Old Highlands Landfill

Permit No. 57-02

Highlands C & D Landfill

Permit No. 57-04

Water Quality Monitoring Program
1st Semi-Annual 2008 Report

October 2008

REIC

RESEARCH ENVIRONMENTAL & INDUSTRIAL CONSULTANTS, INC.

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

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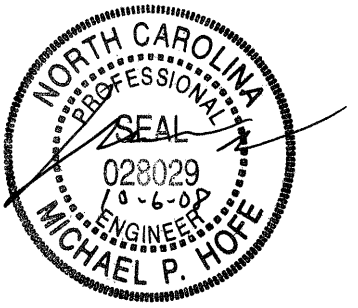
West Virginia Oil Marketers & Grocers Association

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,



10-6-08

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1.0 EXECUTIVE SUMMARY

REI Consultants, Inc. (REIC) has prepared the 1st Semi-Annual Water Quality Monitoring Report for 2008 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 1st semi-annual monitoring event was performed on April 14, 2008. 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 three (3) surface water locations 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 Solid Waste Section Limits (SWSLs) are given in the following table:

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

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

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

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

Parameter	Monitoring Well
Arsenic	MW-5B
Cobalt	MW-7

No metals were detected above North Carolina groundwater standards in the monitoring well samples.

Samples were collected from two surface water locations, designated as Spring A and Spring B. No Appendix I parameters were detected with the exception of cis-1,2-dichloroethane and vinyl chloride in Spring A. Vinyl chloride was detected at a concentration greater than the North Carolina groundwater standard in the Spring A sample.

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 McCall Well, and copper in the Chastain Well. 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 78 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 with the exception of zinc in wells MW-A and MW-B and in WSW-1, all of which were below 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 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 55 feet/year.

2.0 INTRODUCTION

REI Consultants, Inc. (REIC) has prepared the 1st Semi-Annual Water Quality Monitoring Report for 2008 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 1st semi-annual 2008 monitoring event, field sampling was performed on April 14, 2008. 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 1st 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 78 feet/year. The average groundwater flow rate in the vicinity of the C&D landfill is estimated at 55 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 1st 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 SWSLs are given in the following table:

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

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

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

No metals were detected above North Carolina groundwater standards in the monitoring wells.

Samples were collected from three surface water locations, designated as Spring A and Spring B. No Appendix I parameters were detected with the exception of cis-1,2-dichloroethene and vinyl chloride in Spring A. Vinyl chloride was detected above the North Carolina groundwater standard in Spring A. 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 McCall Well, and copper in the Chastain Well. 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 above SWSLs 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 1st semi-annual 2008 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 practical quantitation limits (PQLs)/SWSLs 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/SWSLs, 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/SWSLs.

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 SWSLs in the monitoring wells is as follows:

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

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

Parameter	**Monitoring Well**
Arsenic	MW-5B
Cobalt	MW-7

Statistical analyses are included in Appendix F.

6.0 CONCLUSIONS

- The 1st semi-annual 2008 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 the closed landfill has been estimated at 78 feet/year. The average groundwater flow rate in the vicinity of the C & D landfill has been estimated at 55 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-4A, and MW-5C; 1,4-dichlorobenzene in wells MW-1 and MW-4A; and vinyl chloride in wells MW-1, MW-2, MW-4A, MW-5, MW-5A, MW-5C, and MW-7.

- 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 cobalt in well MW-7. No metals were statistically elevated in any other sample.

- No metals were detected above North Carolina groundwater standards in the monitoring wells .

- Cis-1,2-dichloroethene and vinyl chloride were detected in Spring A. Vinyl chloride exceeded the North Carolina standard.

- Copper and zinc were detected below North Carolina groundwater standards in the McCall Well residential water supply sample. In addition, copper was detected below the North Carolina groundwater standard in the Chastain Well 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
1ST SEMI-ANNUAL 2008 EVENT

LEGEND

- ☼ OLD HIGHLANDS MONITORING WELL LOCATION
- ☼ HIGHLANDS C&D MONITORING WELL LOCATION
- MW-8 MONITORING WELL ID
- 3076.29 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.
JULY 2008

MW-B
2962.63

2960

SW-1

2980

MW-A
2966.57

HIGHLANDS
C&D LANDFILL

WSW-1

3000

3020

3040

3060

3080

MW-4A
3013.68

MW-4
3007.85

OLD HIGHLANDS LANDFILL
APPROXIMATE WASTE LIMITS

MW-8
3076.29

MW-7
2999.69

McCALL WELL

CHASTAIN SPRING

CHASTAIN WELL

MW-6C
2929.22

MW-6A
2940.93

MW-2
2983.67

MW-1
3014.07

Spring A

Spring B

MW-6
2939.09

MW-5C
2955.74

MW-5B
2851.34

MW-5A
2956.14

MW-5
2956.39

STATE ROUTE 28

RICH GAP ROAD

8.0 Tables

Table 1

Old Highlands Landfill

Permit: 57-02

1st Semi-Annual Monitoring 2008

-Sampling Information-

Sampling Date: 4/14/2008
Sampler(s): R Farley/ A McBride/L. Harrison
Weather Conditions: Cloudy 35°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**	38.02	64.36	11.84	5.48	17.35	13.37	192.88	36.72	19.78	8.20	31.22	28.25	39.35	-	-	-	-	-
Static Depth	**Feet**	34.05	61.15	11.70	5.30	13.43	13.22	115.10	13.85	9.51	7.83	18.22	25.21	37.07	-	-	-	-	-
Well Depth	**Feet**	44.70	71.90	25.00	49.95	27.60	27.67	196.55	52.00	23.30	17.68	39.65	37.88	43.10	-	-	-	-	-
Water Column Height	**Feet**	10.65	10.75	13.36	44.65	14.17	14.45	81.45	38.15	13.79	9.85	21.43	12.67	6.03	-	-	-	-	-
Volume Purged	**Liters**	20	20	24.00	78	10	24	62	68	9	17	20	22	11	-	-	-	-	-
Purging Status	**-----**	Finished	Finished	Finished	Finished	Purged Dry		Purged Dry	Finished	Purged Dry	Finished	Purged Dry	Finished	Finished	-	-	-	-	-
Physical Properties																			
pH	**SU**	5.76	5.40	5.50	5.88	5.77	5.85	9.95	6.48	5.55	5.55	6.17	5.83	5.63	5.69	8.74	6.41	5.95	5.30
Temperature	**°C**	12.9	12.3	9.5	11.5	11.2	10.7	11.6	11.7	11.6	10.2	12	12.4	12.5	9.7	12.2	11.2	14.2	12.6
Conductivity	**umhos/cm**	554	212	138	1073	127.0	74.2	641.0	361	28.4	25.6	84.3	1232	28	57.9	24.9	13.1	25.2	17.2
Turbidity	**NTU**	39.4	22.4	56.1	12.54	33.1	19.59	>200	86.8	29.9	>200	4.77	40.7	>200	13.9	2.85	12.76	2.55	1.58
Appearance	**-----**	Cloudy	Cloudy	Cloudy	Clear	Cloudy	Clear	Cloudy	Cloudy	Cloudy	Cloudy	Clear	Cloudy	Cloudy	Clear	Clear	Clear	Clear	Clear
		no odor	slight odor	no odor	slight odor	no odor	no odor	no odor	no odor	no odor	no odor	no odor	strong odor	no odor	no odor	no odor	no odor	no odor	no odor
TSS	**mg/L**	7	29	67	31	10	31	416	144	40	219	5	70	467	7	11	4	3	1

NS - No sample

Table 1 (cont'd)

Highlands C & D Landfill

Permit No. 57-04
1st Semi-Annual Monitoring 2008

-Sampling Information-

Sampling Date: 04-14-08
Sampler(s): R Farley/ A McBride/L. Harrison
Weather Conditions: Cloudy 35°F

Property	Units	MW-A	MW-B	WSW-1	SW-1
Sampling Depth	**Feet**	6.00	6.25	-	-
Static Depth	**Feet**	5.63	6.07	-	-
Well Depth	**Feet**	14.54	20.15	-	-
Water Column Height	**Feet**	13.91	14.08	-	-
Volume Purged	**Liters**	25	25	-	-
Purging Status	**-----**	Finished	Finished	-	-
		Physical Properties			
pH	**SU**	5.08	5.48	5.78	7.33
Temperature	**°C**	10.7	10.1	12.3	7.8
Conductivity	**umhos/cm**	33.9	293	8.2	92.2
Turbidity	**NTU**	12.37	42.7	2.96	2.54
Appearance	**-----**	Clear no odor	Cloudy no odor	Clear no odor	Clear no odor
TSS	**mg/L**	11	37	2	3

NS - No sample

Table 2

Old Highlands Landfill

Permit: #57-02

1st Semi Annual 2008

-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	**3.8**			**2.8**				**1.2**										
	Chlorobenzene	**50**	3	3.6			24.6														
	cis-1,2-Dichloroethene	**70**	5					47.0	8.2	33.5	28.8				**818**		46.6				
	1,4-Dichlorobenzene	**1.4**	1	**4.9**	1.1		**4.0**														
	Ethylbenzene	**550**	1				5.2								33.1						
	Toluene	**1000**	1				8.2								101						
	Vinyl chloride	**0.015**	1	**11.1**	**4.1**		**10.9**	**61.3**	**1.5**		**32.5**				**806**		**10.4**				
	Xylenes	**530**	3				4.2								73.2						
Total Metals	Arsenic	**50**	10							23.4											
	Barium	**2000**	100	149			269								273	123					
	Cobalt	**NL**	10	42.6	11.9		11.2								263						
	Copper	**1000**	10																	316	62.6
	Lead	**15**	10							10.1											
	Zinc	**1050**	10	21.9	20.4			26.7		17.1	15.9				11.7						97.3
	TSS			7	29	67	8	10	31	416	144	40	219	5	70	467	7	11	4	3	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.

Table 2 (cont'd)

Highlands C&D Landfill

Permit: #57-04

1st Semi Annual 2008

-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				
	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	12.2	11.1		17.0
	TSS			11	37	3	2

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)
2301.0	1013.6	
2391.5	997.2	92.0
2531.4	979.3	141.0
2638.4	968.4	107.6
2800.2	945.1	163.5
2863.3	931.3	64.6
3004.5	892.9	146.3
3177.3	831.2	183.5
3280.1	780.5	114.6
3326.8	751.7	54.9
3400.8	699.6	90.5
3479.0	620.0	111.6
3509.2	567.9	60.2
3516.0	533.6	35.0
3531.1	415.7	118.9

Horizontal Distance	1484.1	ft
Vertical Difference	100	ft

Hydraulic gradient, I	0.067 ft/ft
K	2.8E-04 cm/sec
n_{eff}	0.25
$V = KI/n_{eff}$	78 ft/yr

Highlands C&D

Flow Path

X	Y	Distance (ft)
2550.4	1526.9	
2663.7	1570.7	121.5
2786.9	1636.3	139.6
2932.0	1733.7	174.8
3065.2	1835.1	167.4
3196.4	1950.4	174.7
3355.5	2129.3	239.4
3510.5	2310.2	238.2

Horizontal Distance	1255.5	ft
Vertical Difference	60	ft

Hydraulic gradient, I	0.048 ft/ft
K	2.8E-04 cm/sec
n_{eff}	0.25
$V = KI/n_{eff}$	55 ft/yr

Appendix B

Field Sample Logs

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name:	Old Highlands Landfill	**Project :**	1st Semi 2008	**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: 04-14-08 1135 **Weather Conditions:** Cloudy 35°F

Static Depth (Depth to Water)	34.05 (Ft)	**Volume**	6.16 (Liters)
Well Depth	44.70 (Ft)	**3 Volumes**	18.48 (Liters)
Water Column Height	10.65 (Ft)	**Volume Purged**	20 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1140	5.74	547	12.1	3.22	1
1141	5.77	589	13.0	30.2	4
1142	5.77	585	13.3	>200	8
1143	5.78	587	13.5	>200	12
1144	5.78	575	13.4	>200	16
1145	5.76	570	13.4	>200	20
1145		Finished Purging			20

SAMPLING DATA

Date:	04-14-08		**Time:**	1153	
Method:	Teflon Bailer		**Sampling Depth:**	38.02'	
pH:	5.76		**Conductivity:**	554	(umhos/cm)
Temperature:	12.9	(°C)	**Turbidity:**	39.4	(NTU)

Odor and Physical Appearance of Sample: Cloudy - no odor

Comments:

Sampled By: R. Farley/A. McBride/L. Harrison

Sampler's Signature: Allen McBride **Date:** 04-14-08

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name:	Old Highlands Landfill	**Project :**	1st Semi 2008	**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: 04-14-08 1052 **Weather Conditions:** Cloudy 40°F

Static Depth (Depth to Water)	61.15 (Ft)	Volume	6.22 (Liters)
Well Depth	71.90 (Ft)	3 Volumes	18.67 (Liters)
Water Column Height	10.75 (Ft)	Volume Purged	20 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1100	5.00	65.5	12.1	14.16	1
1102	4.97	76.3	13.0	26.2	4
1104	5.21	138.9	13.4	20.4	8
1106	5.29	168.4	13.5	30.4	12
1108	5.40	190.4	13.5	37.7	16
1110	5.47	198.1	13.5	34.2	20
1110		Finished Purging			20

SAMPLING DATA

Date:	04-14-08	**Time:**	1115	
Method:	Teflon Bailer	**Sampling Depth:**	64.36'	
pH:	5.40/Dupe 5.40	**Conductivity:**	212/Dupe 212	**(umhos/cm)**
Temperature:	12.3/Dupe 12.5 (°C)	**Turbidity:**	22.4/Dupe 22.3	**(NTU)**

Odor and Physical Appearance of Sample: Cloudy - slight odor

Comments:

Sampled By: R. Farley/A. McBride/L. Harrison

Sampler's Signature: Allen McBride **Date:** 04-14-08

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name:	Old Highlands Landfill	**Project :**	1st Semi 2008	**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:

PURGING DATA

Date/Time: 04-14-08 0800 **Weather Conditions:** Cloudy 35°F

Static Depth (Depth to Water)	11.70 (Ft)	Volume	7.73 (Liters)
Well Depth	25.00 (Ft)	3 Volumes	23.2 (Liters)
Water Column Height	13.36 (Ft)	Volume Purged	24 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
0808	5.68	138.5	9.6	7.45	1
0809	5.09	83.6	9.5	22.3	4
0810	5.27	75.0	9.5	43.6	8
0812	5.32	78.9	9.5	49.0	12
0814	5.34	73.0	9.5	45.3	16
0815	5.34	71.3	9.5	52.3	20
0816		Finished Purging			24

SAMPLING DATA

Date:	04-14-08	**Time:**	0818	
Method:	Disposable Bailer	**Sampling Depth:**	11.84'	
pH:	5.50	**Conductivity:**	137.5	(umhos/cm)
Temperature:	9.5 (°C)	**Turbidity:**	56.1	(NTU)

Odor and Physical Appearance of Sample: Cloudy - no odor

Comments:

Sampled By: R. Farley/A. McBride/L. Harrison

Sampler's Signature: Allen McBride **Date:** 04-14-08

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name:	Old Highlands Landfill	**Project :** 1st Semi 2008	**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: 04-14-08 0830 **Weather Conditions:** Cloudy 35°F

Static Depth (Depth to Water)	5.30 (Ft)	Volume	25.85 (Liters)
Well Depth	49.95 (Ft)	3 Volumes	77.55 (Liters)
Water Column Height	44.65 (Ft)	Volume Purged	78 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
0833	5.74	728	9.5	>200	1
0835	5.84	742	11.0	29.7	14
0838	5.76	970	12.1	6.42	28
0841	5.83	1058	12.4	2.53	42
0844	5.87	1060	12.3	3.77	56
0847	5.89	1068	12.3	1.16	70
0850		Finished Purging			78

SAMPLING DATA

Date:	04-14-08	**Time:**	0853	
Method:	Teflon Bailer	**Sampling Depth:**	5.48'	
pH:	5.88	**Conductivity:**	1073	(umhos/cm)
Temperature:	11.5 (°C)	**Turbidity:**	12.54	(NTU)

Odor and Physical Appearance of Sample: Clear - slight odor

Comments:

Sampled By: R. Farley/A. McBride/L. Harrison

Sampler's Signature: Allen McBride **Date:** 04-14-08

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name:	Old Highlands Landfill	**Project :**	1st Semi 2008	**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: 04-14-08 1228 **Weather Conditions:** Light Snow 35°F

Static Depth (Depth to Water)	13.43 (Ft)	Volume	8.20 (Liters)
Well Depth	27.60 (Ft)	3 Volumes	24.61 (Liters)
Water Column Height	14.17 (Ft)	Volume Purged	10 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1242	6.36	141.9	11.1	8.93	1
1243	6.24	139.2	11.4	9.26	4
1244	5.96	138.6	11.9	12.60	8
1245		Purged Dry			10

SAMPLING DATA

Date:	04-14-08		**Time:**	1338	
Method:	Teflon Bailer		**Sampling Depth:**	17.35'	
pH:	5.77		**Conductivity:**	127.0	(umhos/cm)
Temperature:	11.2	(°C)	**Turbidity:**	33.1	(NTU)

Odor and Physical Appearance of Sample: Cloudy - no odor

Comments:

Sampled By: R. Farley/A. McBride/L. Harrison

Sampler's Signature: Allen McBride **Date:** 04-14-08

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name:	Old Highlands Landfill	**Project :**	1st Semi 2008	**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: 04-14-08 1237 **Weather Conditions:** Light Snow 35°F

Static Depth (Depth to Water)	13.22 (Ft)	Volume	8.36 (Liters)
Well Depth	27.67 (Ft)	3 Volumes	25.09 (Liters)
Water Column Height	14.45 (Ft)	Volume Purged	24 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1250	5.65	130.1	10.8	2.42	1
1251	5.61	102.2	11.2	>200	4
1252	5.67	91.4	11.2	>200	8
1254	5.62	95.9	11.4	>200	12
1256	5.68	91.5	11.4	>200	16
1257	5.68	96.3	11.5	78.6	20
1259	5.70	96.5	11.4	65.1	24

SAMPLING DATA

Date:	04-14-08		**Time:**	1346	
Method:	Teflon Bailer		**Sampling Depth:**	13.37'	
pH:	5.85		**Conductivity:**	74.2	(umhos/cm)
Temperature:	10.7	(°C)	**Turbidity:**	19.59	(NTU)

Odor and Physical Appearance of Sample: Clear - no odor

Comments:

Sampled By: R. Farley/A. McBride/L. Harrison

Sampler's Signature: Allen McBride **Date:** 04-14-08

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name:	Old Highlands Landfill	**Project :** 1st Semi 2008	**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: 04-14-08 1225 **Weather Conditions:** Light Snow 35°F

Static Depth (Depth to Water)	115.10 (Ft)	Volume	47.15 (Liters)
Well Depth	196.55 (Ft)	3 Volumes	141.47 (Liters)
Water Column Height	81.45 (Ft)	Volume Purged	62 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1238	7.21	287	12.1	15.07	1
1305	6.99	279	11.3	8.50	30
1334	10.50	922	11.6	>200	60
1335		Purged Dry			62

SAMPLING DATA

Date:	04-14-08	**Time:**	1410	
Method:	Teflon Bailer	**Sampling Depth:**	192.88'	
pH:	9.95	**Conductivity:**	641	(umhos/cm)
Temperature:	11.6 (°C)	**Turbidity:**	>200	(NTU)

Odor and Physical Appearance of Sample: Cloudy - no odor

Comments:

Sampled By: R. Farley/A. McBride/L. Harrison

Sampler's Signature: Allen McBride **Date:** 04-14-08

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name:	Old Highlands Landfill	**Project :**	1st Semi 2008	**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: 04-14-08 1219 **Weather Conditions:** Snowy 35°F

Static Depth (Depth to Water)	13.85 (Ft)	Volume	22.08 (Liters)
Well Depth	52.00 (Ft)	3 Volumes	66.26 (Liters)
Water Column Height	38.15 (Ft)	Volume Purged	68 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1305	6.74	319	11.5	>200	1
1309	6.68	428	11.9	75.5	12
1313	6.82	445	12.1	66.0	24
1316	6.86	443	12.0	127	36
1320	6.92	402	11.7	196	48
1325	6.97	366	11.8	>200	60
1327		Finished Purging			68

SAMPLING DATA

Date:	04-14-08	**Time:**	1352	
Method:	Teflon Bailer	**Sampling Depth:**	36.72'	
pH:	6.48	**Conductivity:**	361	(umhos/cm)
Temperature:	11.7 (°C)	**Turbidity:**	86.8	(NTU)

Odor and Physical Appearance of Sample: Cloudy - no odor

Comments:

Sampled By: R. Farley/A. McBride/L. Harrison

Sampler's Signature: Allen McBride **Date:** 04-14-08

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name:	Old Highlands Landfill	**Project :**	1st Semi 2008	**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: 04-14-08 1428 **Weather Conditions:**

Static Depth (Depth to Water)	9.51 (Ft)	Volume	7.98	(Liters)
Well Depth	23.30 (Ft)	3 Volumes	23.95	(Liters)
Water Column Height	13.79 (Ft)	Volume Purged	9	(Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1447	7.25	35.7	11.1	1.56	1
1450	7.11	31.5	11.6	15.09	4
1452	6.91	29.4	11.7	57.8	8
1453		Purged Dry			9

SAMPLING DATA

Date:	04-14-08	**Time:**	1557	
Method:	Teflon Bailer	**Sampling Depth:**	19.78'	
pH:	5.55	**Conductivity:**	28.4	(umhos/cm)
Temperature:	11.6 (°C)	**Turbidity:**	29.9	(NTU)

Odor and Physical Appearance of Sample: Cloudy - no odor

Comments:

Sampled By: R. Farley/A. McBride/L. Harrison

Sampler's Signature: Allen McBride **Date:** 04-14-08

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name:	Old Highlands Landfill	**Project :**	1st Semi 2008	**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: 04-14-08 1420 **Weather Conditions:** Cloudy 35°F

Static Depth (Depth to Water)	7.83 (Ft)	Volume	5.70 (Liters)
Well Depth	17.68 (Ft)	3 Volumes	17.10 (Liters)
Water Column Height	9.85 (Ft)	Volume Purged	17 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1454	6.32	25.8	10.9	8.69	1
1456	6.07	25.6	11.0	107	3
1457	5.86	26.3	11.1	>200	6
1459	5.73	26.7	11.1	>200	9
1500	5.65	26.6	11.2	>200	12
1502	5.55	26.5	11.2	>200	15
1503		Finished Purging			17

SAMPLING DATA

Date:	04-14-08	**Time:**	1550	
Method:	Teflon Bailer	**Sampling Depth:**	8.20'	
pH:	5.55	**Conductivity:**	25.6	(umhos/cm)
Temperature:	10.2 (°C)	**Turbidity:**	>200	(NTU)

Odor and Physical Appearance of Sample: Cloudy - no odor

Comments:

Sampled By: R. Farley/A. McBride/L. Harrison

Sampler's Signature: Allen McBride **Date:** 04-14-08

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name:	Old Highlands Landfill	**Project :**	1st Semi 2008	**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: Hinge broken

PURGING DATA

Date/Time: 04-14-08 1424 **Weather Conditions:** Cloudy 35°F

Static Depth (Depth to Water)	18.22 (Ft)	Volume	12.40 (Liters)
Well Depth	39.65 (Ft)	3 Volumes	37.22 (Liters)
Water Column Height	21.43 (Ft)	Volume Purged	20 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1433	10.00	193	11.1	10.22	1
1436	9.94	182.3	12.4	7.33	6
1440	9.86	175.6	12.6	8.93	12
1443	10.20	225	12.7	58.0	18
1445		Purged Dry			20

SAMPLING DATA

Date:	04-14-08	**Time:**	1607	
Method:	Teflon Bailer	**Sampling Depth:**	31.22'	
pH:	6.17	**Conductivity:**	84.3	(umhos/cm)
Temperature:	12.0 (°C)	**Turbidity:**	4.77	(NTU)

Odor and Physical Appearance of Sample: Clear - no odor

Comments:

Sampled By: R. Farley/A. McBride/L. Harrison

Sampler's Signature: Allen McBride **Date:** 04-14-08

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name:	Old Highlands Landfill	**Project :**	1st Semi 2008	**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: 04-14-08 1613 **Weather Conditions:** Cloudy 30°F

Static Depth (Depth to Water)	25.21 (Ft)	Volume	7.33 (Liters)
Well Depth	37.88 (Ft)	3 Volumes	22.00 (Liters)
Water Column Height	12.67 (Ft)	Volume Purged	22 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1620	5.82	936	11.4	6.16	1
1621	5.80	1024	12.4	15.95	4
1623	5.76	1263	12.7	17.87	8
1624	5.79	1273	12.6	30.6	12
1626	5.79	1261	12.8	28.1	16
1628	5.81	1254	12.9	30.9	20
1629		Finished Purging			22

SAMPLING DATA

Date:	04-14-08	**Time:**	1633	
Method:	Teflon Bailer	**Sampling Depth:**	28.25'	
pH:	5.83	**Conductivity:**	1232	(umhos/cm)
Temperature:	12.4 (°C)	**Turbidity:**	40.7	(NTU)

Odor and Physical Appearance of Sample: Cloudy - strong odor

Comments:

Sampled By: R. Farley/R. McBride/L. Harrison

Sampler's Signature: Allen McBride **Date:** 04-14-08

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name:	Old Highlands Landfill	**Project :**	1st Semi 2008	**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: 04-14-08 1035 **Weather Conditions:** Cloudy 40°F

Static Depth (Depth to Water)	37.07 (Ft)	Volume	3.49 (Liters)
Well Depth	43.10 (Ft)	3 Volumes	10.47 (Liters)
Water Column Height	6.03 (Ft)	Volume Purged	11 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1038	6.01	28.5	11.4	17.02	1
1039	5.80	27.8	12.6	>200	3
1040	5.65	29.0	12.7	>200	5
1041	5.51	27.7	13.0	>200	7
1042	5.49	28.0	12.8	>200	9
1043	5.52	27.9	12.9	>200	11
1043		Finished Purging			11

SAMPLING DATA

Date:	04-14-08	**Time:**	1047	
Method:	Teflon Bailer	**Sampling Depth:**	39.35'	
pH:	5.63	**Conductivity:**	27.9	(umhos/cm)
Temperature:	12.5 (°C)	**Turbidity:**	>200	(NTU)

Odor and Physical Appearance of Sample: Cloudy - no odor

Comments:

Sampled By: R. Farley/A. McBride/L. Harrison

Sampler's Signature: Allen McBride **Date:** 04-14-08

Surface Water Sampling Log

REI Consultants, Inc.

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

Outlet: Spring A				
Date:	04-14-08	Time:	1020	
pH:	5.69	Conductivity:	57.9	*umhos/cm*
Flow:	NA	Temperature:	9.7	^{o}C
Sampled Odor and Physical Appearance:		Clear - no odor		
Comments:	Turbidity 13.90 NTU			
Outlet: Spring B				
Date:	04-14-08	Time:	1440	
pH:	8.74	Conductivity:	24.9	*umhos/cm*
Flow:	NA	Temperature:	12.2	^{o}C
Sampled Odor and Physical Appearance:		Clear - no odor		
Comments:	Turbidity 2.85 NTU			
Outlet:				
Date:		Time:		
pH:		Conductivity:		*umhos/cm*
Flow:		Temperature:		^{o}C
Sampled Odor and Physical Appearance:				
Comments:				

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:	04-14-08	Time:	1510	
pH:	6.41	Conductivity:	13.10	*umhos/cm*
Flow:	NA	Temperature:	11.2	^{o}C
Sampled Odor and Physical Appearance:	Clear - no odor			
Comments:	Turbidity 12.76 NTU			
Outlet:	Chastain Well			
Date:	04-14-08	Time:	1525	
pH:	5.95	Conductivity:	25.2	*umhos/cm*
Flow:	NA	Temperature:	14.2	^{o}C
Sampled Odor and Physical Appearance:	Clear - no odor			
Comments:	Turbidity 2.55 NTU			
Outlet:	McCall Well			
Date:	04-14-08	Time:	1540	
pH:	5.30/Dupe 5.33	Conductivity:	17.17/Dupe 16.98	*umhos/cm*
Flow:	NA	Temperature:	12.6/Dupe 12.9	^{o}C
Sampled Odor and Physical Appearance:				
Comments:	Turbidity 1.58/Dupe 1.61 NTU			

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name:	Highlands C&D	**Project :**	1st Semi 2008	**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: 04-14-08 0915 **Weather Conditions:** Cloudy 35°F

Static Depth (Depth to Water)	5.63 (Ft)	Volume	8.05 (Liters)
Well Depth	14.54 (Ft)	3 Volumes	24.16 (Liters)
Water Column Height	13.91 (Ft)	Volume Purged	25 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
0923	5.79	34.0	9.6	0.62	1
0925	5.33	34.9	10.9	7.76	5
0927	5.04	34.0	11.2	12.09	10
0929	5.05	33.6	11.3	9.46	15
0931	5.04	34.1	11.3	11.45	20
0933	5.05	34.0	11.3	14.26	25
0933		Finished Purging			25

SAMPLING DATA

Date:	04-14-08	**Time:**	0937	
Method:	Teflon Bailer	**Sampling Depth:**	6.00	
pH:	5.08/Dupe 5.06	**Conductivity:**	33.9/Dupe 33.6	**(umhos/cm)**
Temperature:	10.7/dupe 10.8 (°C)	**Turbidity:**	12.37/Dupe 11.34	**(NTU)**

Odor and Physical Appearance of Sample: Clear - no odor

Comments:

Sampled By: R. Farley/A. McBride/L. Harrison

Sampler's Signature: Allen McBride **Date:** 04-14-08

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name:	Highlands C&D	**Project :**	1st Semi 2008	**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: 04-14-08 0948 **Weather Conditions:** Cloudy 35°F

Static Depth (Depth to Water)	6.07 (Ft)	Volume	8.15 (Liters)
Well Depth	20.15 (Ft)	3 Volumes	24.45 (Liters)
Water Column Height	14.08 (Ft)	Volume Purged	25 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
0955	5.30	306	9.0	2.98	1
0956	5.33	314	9.9	34.9	5
0957	5.44	312	10.2	43.8	10
0959	5.33	307	10.4	31.1	15
1002	5.42	299	10.5	41.1	20
1004	5.43	293	10.4	50.9	25
1004		Finished Purging			25

SAMPLING DATA

Date:	04-14-08	**Time:**	1008	
Method:	Teflon Bailer	**Sampling Depth:**	6.25'	
pH:	5.48	**Conductivity:**	293	(umhos/cm)
Temperature:	10.1 (°C)	**Turbidity:**	42.7	(NTU)

Odor and Physical Appearance of Sample: Cloudy - no odor

Comments:

Sampled By: R. Farley/A. McBride/L. Harrison

Sampler's Signature: Allen McBride **Date:** 04-14-08

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:	04-14-08	Time:	0933	
pH:	5.78	Conductivity:	8.2	*umhos/cm*
Flow:	NA	Temperature:	12.3	*°C*
Sampled Odor and Physical Appearance:		Clear - no odor		
Comments: Purged 5 min before sampling		Turbidity 2.96	NTU	

Outlet:	SW-1			
Date:	04-14-08	Time:	0900	
pH:	7.33	Conductivity:	92.2	*umhos/cm*
Flow:	NA	Temperature:	7.8	*°C*
Sampled Odor and Physical Appearance:		Clear - no odor		
Comments:	Turbidity 2.54	NTU		

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

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...

May 02, 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.: 0804B17

Dear Mr. Chris Stahl:

REI Consultants, Inc. received 21 sample(s) on 4/17/2008 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

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...

Report Narrative

Project Manager:: **Beth Johnson**

WO#: **0804B17**
Date: **5/2/2008**

CLIENT: MACON COUNTY SOLID WASTE MAN
Project: OLD HIGHLANDS LANDFILL

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: *02-May-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0804B17
Client Sample ID:	MW-1	**Lab ID:**	0804B17-01A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	4/14/2008 11:53:00 AM
Site ID:	OLD HIGHLANDS NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DBB**
Antimony	ND	mg/L		NA	0.0060	4/30/2008 8:28:31 AM
Arsenic	ND	mg/L		NA	0.0100	4/30/2008 8:28:31 AM
Barium	0.149	mg/L		NA	0.100	4/30/2008 8:28:31 AM
Beryllium	ND	mg/L		NA	0.0010	4/30/2008 8:28:31 AM
Cadmium	ND	mg/L		NA	0.0010	4/30/2008 8:28:31 AM
Chromium	ND	mg/L		NA	0.0100	4/30/2008 8:28:31 AM
Cobalt	0.0426	mg/L		NA	0.0100	4/30/2008 8:28:31 AM
Copper	ND	mg/L		NA	0.0100	4/30/2008 8:28:31 AM
Lead	ND	mg/L		NA	0.0100	4/30/2008 8:28:31 AM
Nickel	ND	mg/L		NA	0.0500	4/30/2008 8:28:31 AM
Selenium	ND	mg/L		NA	0.0100	4/30/2008 8:28:31 AM
Silver	ND	mg/L		NA	0.0100	4/30/2008 8:28:31 AM
Thallium	ND	mg/L		NA	0.0050	4/30/2008 8:28:31 AM
Vanadium	ND	mg/L		NA	0.0200	4/30/2008 8:28:31 AM
Zinc	0.0219	mg/L		NA	0.0100	4/30/2008 8:28:31 AM

NOTES:
The CCV for Be exceeded REIC control limits indicating a high bias. Since the analyte result was ND, this exceedance does not adversely impact data usability.

VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		NA	100	4/17/2008 11:45:00 AM
Acrylonitrile	ND	µg/L		NA	200	4/17/2008 11:45:00 AM
Benzene	3.8	µg/L		NA	1.0	4/17/2008 11:45:00 AM
Bromochloromethane	ND	µg/L		NA	3.0	4/17/2008 11:45:00 AM
Bromodichloromethane	ND	µg/L		NA	1.0	4/17/2008 11:45:00 AM
Bromoform	ND	µg/L		NA	3.0	4/17/2008 11:45:00 AM
Bromomethane	ND	µg/L		NA	10.0	4/17/2008 11:45:00 AM
2-Butanone	ND	µg/L		NA	100	4/17/2008 11:45:00 AM
Carbon disulfide	ND	µg/L		NA	100	4/17/2008 11:45:00 AM
Carbon tetrachloride	ND	µg/L		NA	1.0	4/17/2008 11:45:00 AM
Chlorobenzene	3.6	µg/L		NA	3.0	4/17/2008 11:45:00 AM
Chloroethane	ND	µg/L		NA	10.0	4/17/2008 11:45:00 AM
Chloroform	ND	µg/L		NA	5.0	4/17/2008 11:45:00 AM
Chloromethane	ND	µg/L		NA	1.0	4/17/2008 11:45:00 AM
Dibromochloromethane	ND	µg/L		NA	1.0	4/17/2008 11:45:00 AM
1,2-Dibromo-3-chloropropane	ND	µg/L		NA	1.0	4/17/2008 11:45:00 AM
1,2-Dibromoethane	ND	µg/L		NA	1.0	4/17/2008 11:45:00 AM
Dibromomethane	ND	µg/L		NA	10.0	4/17/2008 11:45:00 AM

Key:

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

REI Consultants, Inc. Analytical Results

Date: *02-May-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0804B17
Client Sample ID:	MW-1	**Lab ID:**	0804B17-01A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	4/14/2008 11:53:00 AM
Site ID:	OLD HIGHLANDS NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
1,2-Dichlorobenzene	ND	µg/L		NA	5.0	4/17/2008 11:45:00 AM
1,4-Dichlorobenzene	4.9	µg/L		NA	1.0	4/17/2008 11:45:00 AM
trans-1,4-Dichloro-2-butene	ND	µg/L		NA	100	4/17/2008 11:45:00 AM
1,1-Dichloroethane	ND	µg/L		NA	5.0	4/17/2008 11:45:00 AM
1,2-Dichloroethane	ND	µg/L		NA	1.0	4/17/2008 11:45:00 AM
1,1-Dichloroethene	ND	µg/L		NA	5.0	4/17/2008 11:45:00 AM
cis-1,2-Dichloroethene	ND	µg/L		NA	5.0	4/17/2008 11:45:00 AM
trans-1,2-Dichloroethene	ND	µg/L		NA	5.0	4/17/2008 11:45:00 AM
1,2-Dichloropropane	ND	µg/L		NA	1.0	4/17/2008 11:45:00 AM
cis-1,3-Dichloropropene	ND	µg/L		NA	1.0	4/17/2008 11:45:00 AM
trans-1,3-Dichloropropene	ND	µg/L		NA	1.0	4/17/2008 11:45:00 AM
Ethylbenzene	ND	µg/L		NA	1.0	4/17/2008 11:45:00 AM
2-Hexanone	ND	µg/L		NA	50.0	4/17/2008 11:45:00 AM
Iodomethane	ND	µg/L		NA	10.0	4/17/2008 11:45:00 AM
Methylene chloride	ND	µg/L		NA	1.0	4/17/2008 11:45:00 AM
4-Methyl-2-pentanone	ND	µg/L		NA	100	4/17/2008 11:45:00 AM
Styrene	ND	µg/L		NA	1.0	4/17/2008 11:45:00 AM
1,1,1,2-Tetrachloroethane	ND	µg/L		NA	5.0	4/17/2008 11:45:00 AM
1,1,2,2-Tetrachloroethane	ND	µg/L		NA	1.0	4/17/2008 11:45:00 AM
Tetrachloroethene	ND	µg/L		NA	1.0	4/17/2008 11:45:00 AM
Toluene	ND	µg/L		NA	1.0	4/17/2008 11:45:00 AM
1,1,1-Trichloroethane	ND	µg/L		NA	1.0	4/17/2008 11:45:00 AM
1,1,2-Trichloroethane	ND	µg/L		NA	5.0	4/17/2008 11:45:00 AM
Trichloroethene	ND	µg/L		NA	1.0	4/17/2008 11:45:00 AM
Trichlorofluoromethane	ND	µg/L		NA	1.0	4/17/2008 11:45:00 AM
1,2,3-Trichloropropane	ND	µg/L		NA	1.0	4/17/2008 11:45:00 AM
Vinyl acetate	ND	µg/L		NA	50.0	4/17/2008 11:45:00 AM
Vinyl chloride	11.1	µg/L		NA	1.0	4/17/2008 11:45:00 AM
o-Xylene	ND	µg/L		NA	1.0	4/17/2008 11:45:00 AM
m,p-Xylene	ND	µg/L		NA	2.0	4/17/2008 11:45:00 AM
Surr: 1,2-Dichloroethane-d4	118	%REC			80-120	4/17/2008 11:45:00 AM
Surr: 4-Bromofluorobenzene	98.9	%REC			86-115	4/17/2008 11:45:00 AM
Surr: Dibromofluoromethane	107	%REC			80-120	4/17/2008 11:45:00 AM
Surr: Toluene-d8	94.5	%REC			88-110	4/17/2008 11:45:00 AM

Key:

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

REI Consultants, Inc. Analytical Results

Date: *02-May-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0804B17
Client Sample ID:	MW-2	**Lab ID:**	0804B17-02A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	4/14/2008 11:15:00 AM
Site ID:	OLD HIGHLANDS NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DBB**
Antimony	ND	mg/L		NA	0.0060	4/30/2008 8:34:21 AM
Arsenic	ND	mg/L		NA	0.0100	4/30/2008 8:34:21 AM
Barium	ND	mg/L		NA	0.100	4/30/2008 8:34:21 AM
Beryllium	ND	mg/L		NA	0.0010	4/30/2008 8:34:21 AM
Cadmium	ND	mg/L		NA	0.0010	4/30/2008 8:34:21 AM
Chromium	ND	mg/L		NA	0.0100	4/30/2008 8:34:21 AM
Cobalt	0.0119	mg/L		NA	0.0100	4/30/2008 8:34:21 AM
Copper	ND	mg/L		NA	0.0100	4/30/2008 8:34:21 AM
Lead	ND	mg/L		NA	0.0100	4/30/2008 8:34:21 AM
Nickel	ND	mg/L		NA	0.0500	4/30/2008 8:34:21 AM
Selenium	ND	mg/L		NA	0.0100	4/30/2008 8:34:21 AM
Silver	ND	mg/L		NA	0.0100	4/30/2008 8:34:21 AM
Thallium	ND	mg/L		NA	0.0050	4/30/2008 8:34:21 AM
Vanadium	ND	mg/L		NA	0.0200	4/30/2008 8:34:21 AM
Zinc	0.0204	mg/L		NA	0.0100	4/30/2008 8:34:21 AM

NOTES:
The CCV for Be exceeded REIC control limits indicating a high bias. Since the analyte result was ND, this exceedance does not adversely impact data usability.

VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		NA	100	4/17/2008 12:18:00 PM
Acrylonitrile	ND	µg/L		NA	200	4/17/2008 12:18:00 PM
Benzene	ND	µg/L		NA	1.0	4/17/2008 12:18:00 PM
Bromochloromethane	ND	µg/L		NA	3.0	4/17/2008 12:18:00 PM
Bromodichloromethane	ND	µg/L		NA	1.0	4/17/2008 12:18:00 PM
Bromoform	ND	µg/L		NA	3.0	4/17/2008 12:18:00 PM
Bromomethane	ND	µg/L		NA	10.0	4/17/2008 12:18:00 PM
2-Butanone	ND	µg/L		NA	100	4/17/2008 12:18:00 PM
Carbon disulfide	ND	µg/L		NA	100	4/17/2008 12:18:00 PM
Carbon tetrachloride	ND	µg/L		NA	1.0	4/17/2008 12:18:00 PM
Chlorobenzene	ND	µg/L		NA	3.0	4/17/2008 12:18:00 PM
Chloroethane	ND	µg/L		NA	10.0	4/17/2008 12:18:00 PM
Chloroform	ND	µg/L		NA	5.0	4/17/2008 12:18:00 PM
Chloromethane	ND	µg/L		NA	1.0	4/17/2008 12:18:00 PM
Dibromochloromethane	ND	µg/L		NA	1.0	4/17/2008 12:18:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		NA	1.0	4/17/2008 12:18:00 PM
1,2-Dibromoethane	ND	µg/L		NA	1.0	4/17/2008 12:18:00 PM
Dibromomethane	ND	µg/L		NA	10.0	4/17/2008 12:18:00 PM

Key:

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

REI Consultants, Inc. Analytical Results

Date: *02-May-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0804B17
Client Sample ID:	MW-2	**Lab ID:**	0804B17-02A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	4/14/2008 11:15:00 AM
Site ID:	OLD HIGHLANDS NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
1,2-Dichlorobenzene	ND	µg/L		NA	5.0	4/17/2008 12:18:00 PM
1,4-Dichlorobenzene	1.1	µg/L		NA	1.0	4/17/2008 12:18:00 PM
trans-1,4-Dichloro-2-butene	ND	µg/L		NA	100	4/17/2008 12:18:00 PM
1,1-Dichloroethane	ND	µg/L		NA	5.0	4/17/2008 12:18:00 PM
1,2-Dichloroethane	ND	µg/L		NA	1.0	4/17/2008 12:18:00 PM
1,1-Dichloroethene	ND	µg/L		NA	5.0	4/17/2008 12:18:00 PM
cis-1,2-Dichloroethene	ND	µg/L		NA	5.0	4/17/2008 12:18:00 PM
trans-1,2-Dichloroethene	ND	µg/L		NA	5.0	4/17/2008 12:18:00 PM
1,2-Dichloropropane	ND	µg/L		NA	1.0	4/17/2008 12:18:00 PM
cis-1,3-Dichloropropene	ND	µg/L		NA	1.0	4/17/2008 12:18:00 PM
trans-1,3-Dichloropropene	ND	µg/L		NA	1.0	4/17/2008 12:18:00 PM
Ethylbenzene	ND	µg/L		NA	1.0	4/17/2008 12:18:00 PM
2-Hexanone	ND	µg/L		NA	50.0	4/17/2008 12:18:00 PM
Iodomethane	ND	µg/L		NA	10.0	4/17/2008 12:18:00 PM
Methylene chloride	ND	µg/L		NA	1.0	4/17/2008 12:18:00 PM
4-Methyl-2-pentanone	ND	µg/L		NA	100	4/17/2008 12:18:00 PM
Styrene	ND	µg/L		NA	1.0	4/17/2008 12:18:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		NA	5.0	4/17/2008 12:18:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		NA	1.0	4/17/2008 12:18:00 PM
Tetrachloroethene	ND	µg/L		NA	1.0	4/17/2008 12:18:00 PM
Toluene	ND	µg/L		NA	1.0	4/17/2008 12:18:00 PM
1,1,1-Trichloroethane	ND	µg/L		NA	1.0	4/17/2008 12:18:00 PM
1,1,2-Trichloroethane	ND	µg/L		NA	5.0	4/17/2008 12:18:00 PM
Trichloroethene	ND	µg/L		NA	1.0	4/17/2008 12:18:00 PM
Trichlorofluoromethane	ND	µg/L		NA	1.0	4/17/2008 12:18:00 PM
1,2,3-Trichloropropane	ND	µg/L		NA	1.0	4/17/2008 12:18:00 PM
Vinyl acetate	ND	µg/L		NA	50.0	4/17/2008 12:18:00 PM
Vinyl chloride	4.1	µg/L		NA	1.0	4/17/2008 12:18:00 PM
o-Xylene	ND	µg/L		NA	1.0	4/17/2008 12:18:00 PM
m,p-Xylene	ND	µg/L		NA	2.0	4/17/2008 12:18:00 PM
Surr: 1,2-Dichloroethane-d4	116	%REC			80-120	4/17/2008 12:18:00 PM
Surr: 4-Bromofluorobenzene	100	%REC			86-115	4/17/2008 12:18:00 PM
Surr: Dibromofluoromethane	106	%REC			80-120	4/17/2008 12:18:00 PM
Surr: Toluene-d8	94.5	%REC			88-110	4/17/2008 12:18:00 PM

Key:

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

REI Consultants, Inc. Analytical Results

Date: *02-May-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0804B17
Client Sample ID:	MW-4	**Lab ID:**	0804B17-03A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	4/14/2008 8:18:00 AM
Site ID:	OLD HIGHLANDS NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DBB**
Antimony	ND	mg/L		NA	0.0060	4/30/2008 8:40:10 AM
Arsenic	ND	mg/L		NA	0.0100	4/30/2008 8:40:10 AM
Barium	ND	mg/L		NA	0.100	4/30/2008 8:40:10 AM
Beryllium	ND	mg/L		NA	0.0010	4/30/2008 8:40:10 AM
Cadmium	ND	mg/L		NA	0.0010	4/30/2008 8:40:10 AM
Chromium	ND	mg/L		NA	0.0100	4/30/2008 8:40:10 AM
Cobalt	ND	mg/L		NA	0.0100	4/30/2008 8:40:10 AM
Copper	ND	mg/L		NA	0.0100	4/30/2008 8:40:10 AM
Lead	ND	mg/L		NA	0.0100	4/30/2008 8:40:10 AM
Nickel	ND	mg/L		NA	0.0500	4/30/2008 8:40:10 AM
Selenium	ND	mg/L		NA	0.0100	4/30/2008 8:40:10 AM
Silver	ND	mg/L		NA	0.0100	4/30/2008 8:40:10 AM
Thallium	ND	mg/L		NA	0.0050	4/30/2008 8:40:10 AM
Vanadium	ND	mg/L		NA	0.0200	4/30/2008 8:40:10 AM
Zinc	ND	mg/L		NA	0.0100	4/30/2008 8:40:10 AM

NOTES:
The CCV forBe exceeded REIC control limits indicating a high bias. Since the analyte result was ND, this exceedance does not adversely impact data usability.

VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		NA	100	4/17/2008 12:51:00 PM
Acrylonitrile	ND	µg/L		NA	200	4/17/2008 12:51:00 PM
Benzene	ND	µg/L		NA	1.0	4/17/2008 12:51:00 PM
Bromochloromethane	ND	µg/L		NA	3.0	4/17/2008 12:51:00 PM
Bromodichloromethane	ND	µg/L		NA	1.0	4/17/2008 12:51:00 PM
Bromoform	ND	µg/L		NA	3.0	4/17/2008 12:51:00 PM
Bromomethane	ND	µg/L		NA	10.0	4/17/2008 12:51:00 PM
2-Butanone	ND	µg/L		NA	100	4/17/2008 12:51:00 PM
Carbon disulfide	ND	µg/L		NA	100	4/17/2008 12:51:00 PM
Carbon tetrachloride	ND	µg/L		NA	1.0	4/17/2008 12:51:00 PM
Chlorobenzene	ND	µg/L		NA	3.0	4/17/2008 12:51:00 PM
Chloroethane	ND	µg/L		NA	10.0	4/17/2008 12:51:00 PM
Chloroform	ND	µg/L		NA	5.0	4/17/2008 12:51:00 PM
Chloromethane	ND	µg/L		NA	1.0	4/17/2008 12:51:00 PM
Dibromochloromethane	ND	µg/L		NA	1.0	4/17/2008 12:51:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		NA	1.0	4/17/2008 12:51:00 PM
1,2-Dibromoethane	ND	µg/L		NA	1.0	4/17/2008 12:51:00 PM
Dibromomethane	ND	µg/L		NA	10.0	4/17/2008 12:51:00 PM

Key:

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

REI Consultants, Inc. Analytical Results

Date: *02-May-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0804B17
Client Sample ID:	MW-4	**Lab ID:**	0804B17-03A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	4/14/2008 8:18:00 AM
Site ID:	OLD HIGHLANDS NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
1,2-Dichlorobenzene	ND	µg/L		NA	5.0	4/17/2008 12:51:00 PM
1,4-Dichlorobenzene	ND	µg/L		NA	1.0	4/17/2008 12:51:00 PM
trans-1,4-Dichloro-2-butene	ND	µg/L		NA	100	4/17/2008 12:51:00 PM
1,1-Dichloroethane	ND	µg/L		NA	5.0	4/17/2008 12:51:00 PM
1,2-Dichloroethane	ND	µg/L		NA	1.0	4/17/2008 12:51:00 PM
1,1-Dichloroethene	ND	µg/L		NA	5.0	4/17/2008 12:51:00 PM
cis-1,2-Dichloroethene	ND	µg/L		NA	5.0	4/17/2008 12:51:00 PM
trans-1,2-Dichloroethene	ND	µg/L		NA	5.0	4/17/2008 12:51:00 PM
1,2-Dichloropropane	ND	µg/L		NA	1.0	4/17/2008 12:51:00 PM
cis-1,3-Dichloropropene	ND	µg/L		NA	1.0	4/17/2008 12:51:00 PM
trans-1,3-Dichloropropene	ND	µg/L		NA	1.0	4/17/2008 12:51:00 PM
Ethylbenzene	ND	µg/L		NA	1.0	4/17/2008 12:51:00 PM
2-Hexanone	ND	µg/L		NA	50.0	4/17/2008 12:51:00 PM
Iodomethane	ND	µg/L		NA	10.0	4/17/2008 12:51:00 PM
Methylene chloride	ND	µg/L		NA	1.0	4/17/2008 12:51:00 PM
4-Methyl-2-pentanone	ND	µg/L		NA	100	4/17/2008 12:51:00 PM
Styrene	ND	µg/L		NA	1.0	4/17/2008 12:51:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		NA	5.0	4/17/2008 12:51:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		NA	1.0	4/17/2008 12:51:00 PM
Tetrachloroethene	ND	µg/L		NA	1.0	4/17/2008 12:51:00 PM
Toluene	ND	µg/L		NA	1.0	4/17/2008 12:51:00 PM
1,1,1-Trichloroethane	ND	µg/L		NA	1.0	4/17/2008 12:51:00 PM
1,1,2-Trichloroethane	ND	µg/L		NA	5.0	4/17/2008 12:51:00 PM
Trichloroethene	ND	µg/L		NA	1.0	4/17/2008 12:51:00 PM
Trichlorofluoromethane	ND	µg/L		NA	1.0	4/17/2008 12:51:00 PM
1,2,3-Trichloropropane	ND	µg/L		NA	1.0	4/17/2008 12:51:00 PM
Vinyl acetate	ND	µg/L		NA	50.0	4/17/2008 12:51:00 PM
Vinyl chloride	ND	µg/L		NA	1.0	4/17/2008 12:51:00 PM
o-Xylene	ND	µg/L		NA	1.0	4/17/2008 12:51:00 PM
m,p-Xylene	ND	µg/L		NA	2.0	4/17/2008 12:51:00 PM
Surr: 1,2-Dichloroethane-d4	114	%REC			80-120	4/17/2008 12:51:00 PM
Surr: 4-Bromofluorobenzene	97.8	%REC			86-115	4/17/2008 12:51:00 PM
Surr: Dibromofluoromethane	106	%REC			80-120	4/17/2008 12:51:00 PM
Surr: Toluene-d8	94.8	%REC			88-110	4/17/2008 12:51:00 PM

Key:

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

REI Consultants, Inc. Analytical Results

Date: *02-May-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0804B17
Client Sample ID:	MW-4A	**Lab ID:**	0804B17-04A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	4/14/2008 8:53:00 AM
Site ID:	OLD HIGHLANDS NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DBB**
Antimony	ND	mg/L		NA	0.0060	4/30/2008 8:46:01 AM
Arsenic	ND	mg/L		NA	0.0100	4/30/2008 8:46:01 AM
Barium	0.269	mg/L		NA	0.100	4/30/2008 8:46:01 AM
Beryllium	ND	mg/L		NA	0.0010	4/30/2008 8:46:01 AM
Cadmium	ND	mg/L		NA	0.0010	4/30/2008 8:46:01 AM
Chromium	ND	mg/L		NA	0.0100	4/30/2008 8:46:01 AM
Cobalt	0.0112	mg/L		NA	0.0100	4/30/2008 8:46:01 AM
Copper	ND	mg/L		NA	0.0100	4/30/2008 8:46:01 AM
Lead	ND	mg/L		NA	0.0100	4/30/2008 8:46:01 AM
Nickel	ND	mg/L		NA	0.0500	4/30/2008 8:46:01 AM
Selenium	ND	mg/L		NA	0.0100	4/30/2008 8:46:01 AM
Silver	ND	mg/L		NA	0.0100	4/30/2008 8:46:01 AM
Thallium	ND	mg/L		NA	0.0050	4/30/2008 8:46:01 AM
Vanadium	ND	mg/L		NA	0.0200	4/30/2008 8:46:01 AM
Zinc	ND	mg/L		NA	0.0100	4/30/2008 8:46:01 AM

NOTES:
The CCV for Be exceeded REIC control limits indicating a high bias. Since the analyte result was ND, this exceedance does not adversely impact data usability.

VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		NA	100	4/17/2008 1:24:00 PM
Acrylonitrile	ND	µg/L		NA	200	4/17/2008 1:24:00 PM
Benzene	2.8	µg/L		NA	1.0	4/17/2008 1:24:00 PM
Bromochloromethane	ND	µg/L		NA	3.0	4/17/2008 1:24:00 PM
Bromodichloromethane	ND	µg/L		NA	1.0	4/17/2008 1:24:00 PM
Bromoform	ND	µg/L		NA	3.0	4/17/2008 1:24:00 PM
Bromomethane	ND	µg/L		NA	10.0	4/17/2008 1:24:00 PM
2-Butanone	ND	µg/L		NA	100	4/17/2008 1:24:00 PM
Carbon disulfide	ND	µg/L		NA	100	4/17/2008 1:24:00 PM
Carbon tetrachloride	ND	µg/L		NA	1.0	4/17/2008 1:24:00 PM
Chlorobenzene	24.6	µg/L		NA	3.0	4/17/2008 1:24:00 PM
Chloroethane	ND	µg/L		NA	10.0	4/17/2008 1:24:00 PM
Chloroform	ND	µg/L		NA	5.0	4/17/2008 1:24:00 PM
Chloromethane	ND	µg/L		NA	1.0	4/17/2008 1:24:00 PM
Dibromochloromethane	ND	µg/L		NA	1.0	4/17/2008 1:24:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		NA	1.0	4/17/2008 1:24:00 PM
1,2-Dibromoethane	ND	µg/L		NA	1.0	4/17/2008 1:24:00 PM
Dibromomethane	ND	µg/L		NA	10.0	4/17/2008 1:24:00 PM

Key:

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

REI Consultants, Inc. Analytical Results

Date: *02-May-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0804B17
Client Sample ID:	MW-4A	**Lab ID:**	0804B17-04A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	4/14/2008 8:53:00 AM
Site ID:	OLD HIGHLANDS NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
1,2-Dichlorobenzene	ND	µg/L		NA	5.0	4/17/2008 1:24:00 PM
1,4-Dichlorobenzene	4.0	µg/L		NA	1.0	4/17/2008 1:24:00 PM
trans-1,4-Dichloro-2-butene	ND	µg/L		NA	100	4/17/2008 1:24:00 PM
1,1-Dichloroethane	ND	µg/L		NA	5.0	4/17/2008 1:24:00 PM
1,2-Dichloroethane	ND	µg/L		NA	1.0	4/17/2008 1:24:00 PM
1,1-Dichloroethene	ND	µg/L		NA	5.0	4/17/2008 1:24:00 PM
cis-1,2-Dichloroethene	ND	µg/L		NA	5.0	4/17/2008 1:24:00 PM
trans-1,2-Dichloroethene	ND	µg/L		NA	5.0	4/17/2008 1:24:00 PM
1,2-Dichloropropane	ND	µg/L		NA	1.0	4/17/2008 1:24:00 PM
cis-1,3-Dichloropropene	ND	µg/L		NA	1.0	4/17/2008 1:24:00 PM
trans-1,3-Dichloropropene	ND	µg/L		NA	1.0	4/17/2008 1:24:00 PM
Ethylbenzene	5.2	µg/L		NA	1.0	4/17/2008 1:24:00 PM
2-Hexanone	ND	µg/L		NA	50.0	4/17/2008 1:24:00 PM
Iodomethane	ND	µg/L		NA	10.0	4/17/2008 1:24:00 PM
Methylene chloride	ND	µg/L		NA	1.0	4/17/2008 1:24:00 PM
4-Methyl-2-pentanone	ND	µg/L		NA	100	4/17/2008 1:24:00 PM
Styrene	ND	µg/L		NA	1.0	4/17/2008 1:24:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		NA	5.0	4/17/2008 1:24:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		NA	1.0	4/17/2008 1:24:00 PM
Tetrachloroethene	ND	µg/L		NA	1.0	4/17/2008 1:24:00 PM
Toluene	8.2	µg/L		NA	1.0	4/17/2008 1:24:00 PM
1,1,1-Trichloroethane	ND	µg/L		NA	1.0	4/17/2008 1:24:00 PM
1,1,2-Trichloroethane	ND	µg/L		NA	5.0	4/17/2008 1:24:00 PM
Trichloroethene	ND	µg/L		NA	1.0	4/17/2008 1:24:00 PM
Trichlorofluoromethane	ND	µg/L		NA	1.0	4/17/2008 1:24:00 PM
1,2,3-Trichloropropane	ND	µg/L		NA	1.0	4/17/2008 1:24:00 PM
Vinyl acetate	ND	µg/L		NA	50.0	4/17/2008 1:24:00 PM
Vinyl chloride	10.9	µg/L		NA	1.0	4/17/2008 1:24:00 PM
o-Xylene	2.0	µg/L		NA	1.0	4/17/2008 1:24:00 PM
m,p-Xylene	2.2	µg/L		NA	2.0	4/17/2008 1:24:00 PM
Surr: 1,2-Dichloroethane-d4	116	%REC			80-120	4/17/2008 1:24:00 PM
Surr: 4-Bromofluorobenzene	98.0	%REC			86-115	4/17/2008 1:24:00 PM
Surr: Dibromofluoromethane	108	%REC			80-120	4/17/2008 1:24:00 PM
Surr: Toluene-d8	96.3	%REC			88-110	4/17/2008 1:24:00 PM

Key:

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

REI Consultants, Inc. Analytical Results

Date: *02-May-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0804B17
Client Sample ID:	MW-5A	**Lab ID:**	0804B17-05A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	4/14/2008 1:46:00 PM
Site ID:	OLD HIGHLANDS NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DBB**
Antimony	ND	mg/L		NA	0.0060	4/30/2008 8:51:52 AM
Arsenic	ND	mg/L		NA	0.0100	4/30/2008 8:51:52 AM
Barium	ND	mg/L		NA	0.100	4/30/2008 8:51:52 AM
Beryllium	ND	mg/L		NA	0.0010	4/30/2008 8:51:52 AM
Cadmium	ND	mg/L		NA	0.0010	4/30/2008 8:51:52 AM
Chromium	ND	mg/L		NA	0.0100	4/30/2008 8:51:52 AM
Cobalt	ND	mg/L		NA	0.0100	4/30/2008 8:51:52 AM
Copper	ND	mg/L		NA	0.0100	4/30/2008 8:51:52 AM
Lead	ND	mg/L		NA	0.0100	4/30/2008 8:51:52 AM
Nickel	ND	mg/L		NA	0.0500	4/30/2008 8:51:52 AM
Selenium	ND	mg/L		NA	0.0100	4/30/2008 8:51:52 AM
Silver	ND	mg/L		NA	0.0100	4/30/2008 8:51:52 AM
Thallium	ND	mg/L		NA	0.0050	4/30/2008 8:51:52 AM
Vanadium	ND	mg/L		NA	0.0200	4/30/2008 8:51:52 AM
Zinc	ND	mg/L		NA	0.0100	4/30/2008 8:51:52 AM

NOTES:
The CCV for Be exceeded REIC control limits indicating a high bias. Since the analyte result was ND, this exceedance does not adversely impact data usability.

VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		NA	100	4/17/2008 1:57:00 PM
Acrylonitrile	ND	µg/L		NA	200	4/17/2008 1:57:00 PM
Benzene	ND	µg/L		NA	1.0	4/17/2008 1:57:00 PM
Bromochloromethane	ND	µg/L		NA	3.0	4/17/2008 1:57:00 PM
Bromodichloromethane	ND	µg/L		NA	1.0	4/17/2008 1:57:00 PM
Bromoform	ND	µg/L		NA	3.0	4/17/2008 1:57:00 PM
Bromomethane	ND	µg/L		NA	10.0	4/17/2008 1:57:00 PM
2-Butanone	ND	µg/L		NA	100	4/17/2008 1:57:00 PM
Carbon disulfide	ND	µg/L		NA	100	4/17/2008 1:57:00 PM
Carbon tetrachloride	ND	µg/L		NA	1.0	4/17/2008 1:57:00 PM
Chlorobenzene	ND	µg/L		NA	3.0	4/17/2008 1:57:00 PM
Chloroethane	ND	µg/L		NA	10.0	4/17/2008 1:57:00 PM
Chloroform	ND	µg/L		NA	5.0	4/17/2008 1:57:00 PM
Chloromethane	ND	µg/L		NA	1.0	4/17/2008 1:57:00 PM
Dibromochloromethane	ND	µg/L		NA	1.0	4/17/2008 1:57:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		NA	1.0	4/17/2008 1:57:00 PM
1,2-Dibromoethane	ND	µg/L		NA	1.0	4/17/2008 1:57:00 PM
Dibromomethane	ND	µg/L		NA	10.0	4/17/2008 1:57:00 PM

Key:

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

REI Consultants, Inc. Analytical Results

Date: *02-May-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0804B17
Client Sample ID:	MW-5A	**Lab ID:**	0804B17-05A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	4/14/2008 1:46:00 PM
Site ID:	OLD HIGHLANDS NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
1,2-Dichlorobenzene	ND	µg/L		NA	5.0	4/17/2008 1:57:00 PM
1,4-Dichlorobenzene	ND	µg/L		NA	1.0	4/17/2008 1:57:00 PM
trans-1,4-Dichloro-2-butene	ND	µg/L		NA	100	4/17/2008 1:57:00 PM
1,1-Dichloroethane	ND	µg/L		NA	5.0	4/17/2008 1:57:00 PM
1,2-Dichloroethane	ND	µg/L		NA	1.0	4/17/2008 1:57:00 PM
1,1-Dichloroethene	ND	µg/L		NA	5.0	4/17/2008 1:57:00 PM
cis-1,2-Dichloroethene	8.2	µg/L		NA	5.0	4/17/2008 1:57:00 PM
trans-1,2-Dichloroethene	ND	µg/L		NA	5.0	4/17/2008 1:57:00 PM
1,2-Dichloropropane	ND	µg/L		NA	1.0	4/17/2008 1:57:00 PM
cis-1,3-Dichloropropene	ND	µg/L		NA	1.0	4/17/2008 1:57:00 PM
trans-1,3-Dichloropropene	ND	µg/L		NA	1.0	4/17/2008 1:57:00 PM
Ethylbenzene	ND	µg/L		NA	1.0	4/17/2008 1:57:00 PM
2-Hexanone	ND	µg/L		NA	50.0	4/17/2008 1:57:00 PM
Iodomethane	ND	µg/L		NA	10.0	4/17/2008 1:57:00 PM
Methylene chloride	ND	µg/L		NA	1.0	4/17/2008 1:57:00 PM
4-Methyl-2-pentanone	ND	µg/L		NA	100	4/17/2008 1:57:00 PM
Styrene	ND	µg/L		NA	1.0	4/17/2008 1:57:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		NA	5.0	4/17/2008 1:57:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		NA	1.0	4/17/2008 1:57:00 PM
Tetrachloroethene	ND	µg/L		NA	1.0	4/17/2008 1:57:00 PM
Toluene	ND	µg/L		NA	1.0	4/17/2008 1:57:00 PM
1,1,1-Trichloroethane	ND	µg/L		NA	1.0	4/17/2008 1:57:00 PM
1,1,2-Trichloroethane	ND	µg/L		NA	5.0	4/17/2008 1:57:00 PM
Trichloroethene	ND	µg/L		NA	1.0	4/17/2008 1:57:00 PM
Trichlorofluoromethane	ND	µg/L		NA	1.0	4/17/2008 1:57:00 PM
1,2,3-Trichloropropane	ND	µg/L		NA	1.0	4/17/2008 1:57:00 PM
Vinyl acetate	ND	µg/L		NA	50.0	4/17/2008 1:57:00 PM
Vinyl chloride	1.5	µg/L		NA	1.0	4/17/2008 1:57:00 PM
o-Xylene	ND	µg/L		NA	1.0	4/17/2008 1:57:00 PM
m,p-Xylene	ND	µg/L		NA	2.0	4/17/2008 1:57:00 PM
Surr: 1,2-Dichloroethane-d4	120	%REC	S		80-120	4/17/2008 1:57:00 PM
Surr: 4-Bromofluorobenzene	101	%REC			86-115	4/17/2008 1:57:00 PM
Surr: Dibromofluoromethane	109	%REC			80-120	4/17/2008 1:57:00 PM
Surr: Toluene-d8	94.0	%REC			88-110	4/17/2008 1:57:00 PM

Key:

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

REI Consultants, Inc. Analytical Results

Date: *02-May-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0804B17
Client Sample ID:	MW-5	**Lab ID:**	0804B17-06A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	4/4/2008 1:38:00 PM
Site ID:	OLD HIGHLANDS NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DBB**
Antimony	ND	mg/L		NA	0.0060	4/30/2008 8:57:43 AM
Arsenic	ND	mg/L		NA	0.0100	4/30/2008 8:57:43 AM
Barium	ND	mg/L		NA	0.100	4/30/2008 8:57:43 AM
Beryllium	ND	mg/L		NA	0.0010	4/30/2008 8:57:43 AM
Cadmium	ND	mg/L		NA	0.0010	4/30/2008 8:57:43 AM
Chromium	ND	mg/L		NA	0.0100	4/30/2008 8:57:43 AM
Cobalt	ND	mg/L		NA	0.0100	4/30/2008 8:57:43 AM
Copper	ND	mg/L		NA	0.0100	4/30/2008 8:57:43 AM
Lead	ND	mg/L		NA	0.0100	4/30/2008 8:57:43 AM
Nickel	ND	mg/L		NA	0.0500	4/30/2008 8:57:43 AM
Selenium	ND	mg/L		NA	0.0100	4/30/2008 8:57:43 AM
Silver	ND	mg/L		NA	0.0100	4/30/2008 8:57:43 AM
Thallium	ND	mg/L		NA	0.0050	4/30/2008 8:57:43 AM
Vanadium	ND	mg/L		NA	0.0200	4/30/2008 8:57:43 AM
Zinc	0.0267	mg/L		NA	0.0100	4/30/2008 8:57:43 AM

NOTES:
The CCV for Be exceeded REIC control limits indicating a high bias. Since the analyte result was ND, this exceedance does not adversely impact data usability.

VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		NA	100	4/17/2008 2:30:00 PM
Acrylonitrile	ND	µg/L		NA	200	4/17/2008 2:30:00 PM
Benzene	ND	µg/L		NA	1.0	4/17/2008 2:30:00 PM
Bromochloromethane	ND	µg/L		NA	3.0	4/17/2008 2:30:00 PM
Bromodichloromethane	ND	µg/L		NA	1.0	4/17/2008 2:30:00 PM
Bromoform	ND	µg/L		NA	3.0	4/17/2008 2:30:00 PM
Bromomethane	ND	µg/L		NA	10.0	4/17/2008 2:30:00 PM
2-Butanone	ND	µg/L		NA	100	4/17/2008 2:30:00 PM
Carbon disulfide	ND	µg/L		NA	100	4/17/2008 2:30:00 PM
Carbon tetrachloride	ND	µg/L		NA	1.0	4/17/2008 2:30:00 PM
Chlorobenzene	ND	µg/L		NA	3.0	4/17/2008 2:30:00 PM
Chloroethane	ND	µg/L		NA	10.0	4/17/2008 2:30:00 PM
Chloroform	ND	µg/L		NA	5.0	4/17/2008 2:30:00 PM
Chloromethane	ND	µg/L		NA	1.0	4/17/2008 2:30:00 PM
Dibromochloromethane	ND	µg/L		NA	1.0	4/17/2008 2:30:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		NA	1.0	4/17/2008 2:30:00 PM
1,2-Dibromoethane	ND	µg/L		NA	1.0	4/17/2008 2:30:00 PM
Dibromomethane	ND	µg/L		NA	10.0	4/17/2008 2:30:00 PM

Key:

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

REI Consultants, Inc. Analytical Results

Date: *02-May-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0804B17
Client Sample ID:	MW-5	**Lab ID:**	0804B17-06A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	4/4/2008 1:38:00 PM
Site ID:	OLD HIGHLANDS NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
1,2-Dichlorobenzene	ND	µg/L		NA	5.0	4/17/2008 2:30:00 PM
1,4-Dichlorobenzene	ND	µg/L		NA	1.0	4/17/2008 2:30:00 PM
trans-1,4-Dichloro-2-butene	ND	µg/L		NA	100	4/17/2008 2:30:00 PM
1,1-Dichloroethane	ND	µg/L		NA	5.0	4/17/2008 2:30:00 PM
1,2-Dichloroethane	ND	µg/L		NA	1.0	4/17/2008 2:30:00 PM
1,1-Dichloroethene	ND	µg/L		NA	5.0	4/17/2008 2:30:00 PM
cis-1,2-Dichloroethene	47.0	µg/L		NA	25.0	4/21/2008 11:44:00 AM
trans-1,2-Dichloroethene	ND	µg/L		NA	5.0	4/17/2008 2:30:00 PM
1,2-Dichloropropane	ND	µg/L		NA	1.0	4/17/2008 2:30:00 PM
cis-1,3-Dichloropropene	ND	µg/L		NA	1.0	4/17/2008 2:30:00 PM
trans-1,3-Dichloropropene	ND	µg/L		NA	1.0	4/17/2008 2:30:00 PM
Ethylbenzene	ND	µg/L		NA	1.0	4/17/2008 2:30:00 PM
2-Hexanone	ND	µg/L		NA	50.0	4/17/2008 2:30:00 PM
Iodomethane	ND	µg/L		NA	10.0	4/17/2008 2:30:00 PM
Methylene chloride	ND	µg/L		NA	1.0	4/17/2008 2:30:00 PM
4-Methyl-2-pentanone	ND	µg/L		NA	100	4/17/2008 2:30:00 PM
Styrene	ND	µg/L		NA	1.0	4/17/2008 2:30:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		NA	5.0	4/17/2008 2:30:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		NA	1.0	4/17/2008 2:30:00 PM
Tetrachloroethene	ND	µg/L		NA	1.0	4/17/2008 2:30:00 PM
Toluene	ND	µg/L		NA	1.0	4/17/2008 2:30:00 PM
1,1,1-Trichloroethane	ND	µg/L		NA	1.0	4/17/2008 2:30:00 PM
1,1,2-Trichloroethane	ND	µg/L		NA	5.0	4/17/2008 2:30:00 PM
Trichloroethene	ND	µg/L		NA	1.0	4/17/2008 2:30:00 PM
Trichlorofluoromethane	ND	µg/L		NA	1.0	4/17/2008 2:30:00 PM
1,2,3-Trichloropropane	ND	µg/L		NA	1.0	4/17/2008 2:30:00 PM
Vinyl acetate	ND	µg/L		NA	50.0	4/17/2008 2:30:00 PM
Vinyl chloride	61.3	µg/L		NA	5.0	4/21/2008 11:44:00 AM
o-Xylene	ND	µg/L		NA	1.0	4/17/2008 2:30:00 PM
m,p-Xylene	ND	µg/L		NA	2.0	4/17/2008 2:30:00 PM
Surr: 1,2-Dichloroethane-d4	120	%REC			80-120	4/17/2008 2:30:00 PM
Surr: 4-Bromofluorobenzene	101	%REC			86-115	4/17/2008 2:30:00 PM
Surr: Dibromofluoromethane	108	%REC			80-120	4/17/2008 2:30:00 PM
Surr: Toluene-d8	94.5	%REC			88-110	4/17/2008 2:30:00 PM

Key:

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

REI Consultants, Inc. Analytical Results

Date: *02-May-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0804B17
Client Sample ID:	MW-5B	**Lab ID:**	0804B17-07A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	4/14/2008 2:10:00 PM
Site ID:	OLD HIGHLANDS NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DBB**
Antimony	ND	mg/L		NA	0.0060	4/30/2008 9:03:35 AM
Arsenic	0.0234	mg/L		NA	0.0100	4/30/2008 9:03:35 AM
Barium	ND	mg/L		NA	0.100	4/30/2008 9:03:35 AM
Beryllium	ND	mg/L		NA	0.0010	4/30/2008 9:03:35 AM
Cadmium	ND	mg/L		NA	0.0010	4/30/2008 9:03:35 AM
Chromium	ND	mg/L		NA	0.0100	4/30/2008 9:03:35 AM
Cobalt	ND	mg/L		NA	0.0100	4/30/2008 9:03:35 AM
Copper	ND	mg/L		NA	0.0100	4/30/2008 9:03:35 AM
Lead	0.0101	mg/L		NA	0.0100	4/30/2008 9:03:35 AM
Nickel	ND	mg/L		NA	0.0500	4/30/2008 9:03:35 AM
Selenium	ND	mg/L		NA	0.0100	4/30/2008 9:03:35 AM
Silver	ND	mg/L		NA	0.0100	4/30/2008 9:03:35 AM
Thallium	ND	mg/L		NA	0.0050	4/30/2008 9:03:35 AM
Vanadium	ND	mg/L		NA	0.0200	4/30/2008 9:03:35 AM
Zinc	0.0171	mg/L		NA	0.0100	4/30/2008 9:03:35 AM

NOTES:
The CCV for Be exceeded REIC control limits indicating a high bias. Since the analyte result was ND, this exceedance does not adversely impact data usability.

VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		NA	100	4/17/2008 3:03:00 PM
Acrylonitrile	ND	µg/L		NA	200	4/17/2008 3:03:00 PM
Benzene	ND	µg/L		NA	1.0	4/17/2008 3:03:00 PM
Bromochloromethane	ND	µg/L		NA	3.0	4/17/2008 3:03:00 PM
Bromodichloromethane	ND	µg/L		NA	1.0	4/17/2008 3:03:00 PM
Bromoform	ND	µg/L		NA	3.0	4/17/2008 3:03:00 PM
Bromomethane	ND	µg/L		NA	10.0	4/17/2008 3:03:00 PM
2-Butanone	ND	µg/L		NA	100	4/17/2008 3:03:00 PM
Carbon disulfide	ND	µg/L		NA	100	4/17/2008 3:03:00 PM
Carbon tetrachloride	ND	µg/L		NA	1.0	4/17/2008 3:03:00 PM
Chlorobenzene	ND	µg/L		NA	3.0	4/17/2008 3:03:00 PM
Chloroethane	ND	µg/L		NA	10.0	4/17/2008 3:03:00 PM
Chloroform	ND	µg/L		NA	5.0	4/17/2008 3:03:00 PM
Chloromethane	ND	µg/L		NA	1.0	4/17/2008 3:03:00 PM
Dibromochloromethane	ND	µg/L		NA	1.0	4/17/2008 3:03:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		NA	1.0	4/17/2008 3:03:00 PM
1,2-Dibromoethane	ND	µg/L		NA	1.0	4/17/2008 3:03:00 PM
Dibromomethane	ND	µg/L		NA	10.0	4/17/2008 3:03:00 PM

Key:

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

REI Consultants, Inc. Analytical Results

Date: *02-May-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0804B17
Client Sample ID:	MW-5B	**Lab ID:**	0804B17-07A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	4/14/2008 2:10:00 PM
Site ID:	OLD HIGHLANDS NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
1,2-Dichlorobenzene	ND	µg/L		NA	5.0	4/17/2008 3:03:00 PM
1,4-Dichlorobenzene	ND	µg/L		NA	1.0	4/17/2008 3:03:00 PM
trans-1,4-Dichloro-2-butene	ND	µg/L		NA	100	4/17/2008 3:03:00 PM
1,1-Dichloroethane	ND	µg/L		NA	5.0	4/17/2008 3:03:00 PM
1,2-Dichloroethane	ND	µg/L		NA	1.0	4/17/2008 3:03:00 PM
1,1-Dichloroethene	ND	µg/L		NA	5.0	4/17/2008 3:03:00 PM
cis-1,2-Dichloroethene	33.5	µg/L		NA	25.0	4/21/2008 12:17:00 PM
trans-1,2-Dichloroethene	ND	µg/L		NA	5.0	4/17/2008 3:03:00 PM
1,2-Dichloropropane	ND	µg/L		NA	1.0	4/17/2008 3:03:00 PM
cis-1,3-Dichloropropene	ND	µg/L		NA	1.0	4/17/2008 3:03:00 PM
trans-1,3-Dichloropropene	ND	µg/L		NA	1.0	4/17/2008 3:03:00 PM
Ethylbenzene	ND	µg/L		NA	1.0	4/17/2008 3:03:00 PM
2-Hexanone	ND	µg/L		NA	50.0	4/17/2008 3:03:00 PM
Iodomethane	ND	µg/L		NA	10.0	4/17/2008 3:03:00 PM
Methylene chloride	ND	µg/L		NA	1.0	4/17/2008 3:03:00 PM
4-Methyl-2-pentanone	ND	µg/L		NA	100	4/17/2008 3:03:00 PM
Styrene	ND	µg/L		NA	1.0	4/17/2008 3:03:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		NA	5.0	4/17/2008 3:03:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		NA	1.0	4/17/2008 3:03:00 PM
Tetrachloroethene	ND	µg/L		NA	1.0	4/17/2008 3:03:00 PM
Toluene	ND	µg/L		NA	1.0	4/17/2008 3:03:00 PM
1,1,1-Trichloroethane	ND	µg/L		NA	1.0	4/17/2008 3:03:00 PM
1,1,2-Trichloroethane	ND	µg/L		NA	5.0	4/17/2008 3:03:00 PM
Trichloroethene	ND	µg/L		NA	1.0	4/17/2008 3:03:00 PM
Trichlorofluoromethane	ND	µg/L		NA	1.0	4/17/2008 3:03:00 PM
1,2,3-Trichloropropane	ND	µg/L		NA	1.0	4/17/2008 3:03:00 PM
Vinyl acetate	ND	µg/L		NA	50.0	4/17/2008 3:03:00 PM
Vinyl chloride	ND	µg/L		NA	1.0	4/17/2008 3:03:00 PM
o-Xylene	ND	µg/L		NA	1.0	4/17/2008 3:03:00 PM
m,p-Xylene	ND	µg/L		NA	2.0	4/17/2008 3:03:00 PM
Surr: 1,2-Dichloroethane-d4	114	%REC			80-120	4/17/2008 3:03:00 PM
Surr: 4-Bromofluorobenzene	99.0	%REC			86-115	4/17/2008 3:03:00 PM
Surr: Dibromofluoromethane	106	%REC			80-120	4/17/2008 3:03:00 PM
Surr: Toluene-d8	96.1	%REC			88-110	4/17/2008 3:03:00 PM

Key:

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

REI Consultants, Inc. Analytical Results

Date: *02-May-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0804B17
Client Sample ID:	MW-5C	**Lab ID:**	0804B17-08A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	4/14/2008 1:52:00 PM
Site ID:	OLD HIGHLANDS NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DBB**
Antimony	ND	mg/L		NA	0.0060	4/30/2008 9:26:57 AM
Arsenic	ND	mg/L		NA	0.0100	4/30/2008 9:26:57 AM
Barium	ND	mg/L		NA	0.100	4/30/2008 9:26:57 AM
Beryllium	ND	mg/L		NA	0.0010	4/30/2008 9:26:57 AM
Cadmium	ND	mg/L		NA	0.0010	4/30/2008 9:26:57 AM
Chromium	ND	mg/L		NA	0.0100	4/30/2008 9:26:57 AM
Cobalt	ND	mg/L		NA	0.0100	4/30/2008 9:26:57 AM
Copper	ND	mg/L		NA	0.0100	4/30/2008 9:26:57 AM
Lead	ND	mg/L		NA	0.0100	4/30/2008 9:26:57 AM
Nickel	ND	mg/L		NA	0.0500	4/30/2008 9:26:57 AM
Selenium	ND	mg/L		NA	0.0100	4/30/2008 9:26:57 AM
Silver	ND	mg/L		NA	0.0100	4/30/2008 9:26:57 AM
Thallium	ND	mg/L		NA	0.0050	4/30/2008 9:26:57 AM
Vanadium	ND	mg/L		NA	0.0200	4/30/2008 9:26:57 AM
Zinc	0.0159	mg/L		NA	0.0100	4/30/2008 9:26:57 AM

NOTES:
The CCV for Be exceeded REIC control limits indicating a high bias. Since the analyte result was ND, this exceedance does not adversely impact data usability.

VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		NA	100	4/17/2008 3:37:00 PM
Acrylonitrile	ND	µg/L		NA	200	4/17/2008 3:37:00 PM
Benzene	1.2	µg/L		NA	1.0	4/17/2008 3:37:00 PM
Bromochloromethane	ND	µg/L		NA	3.0	4/17/2008 3:37:00 PM
Bromodichloromethane	ND	µg/L		NA	1.0	4/17/2008 3:37:00 PM
Bromoform	ND	µg/L		NA	3.0	4/17/2008 3:37:00 PM
Bromomethane	ND	µg/L		NA	10.0	4/17/2008 3:37:00 PM
2-Butanone	ND	µg/L		NA	100	4/17/2008 3:37:00 PM
Carbon disulfide	ND	µg/L		NA	100	4/17/2008 3:37:00 PM
Carbon tetrachloride	ND	µg/L		NA	1.0	4/17/2008 3:37:00 PM
Chlorobenzene	ND	µg/L		NA	3.0	4/17/2008 3:37:00 PM
Chloroethane	ND	µg/L		NA	10.0	4/17/2008 3:37:00 PM
Chloroform	ND	µg/L		NA	5.0	4/17/2008 3:37:00 PM
Chloromethane	ND	µg/L		NA	1.0	4/17/2008 3:37:00 PM
Dibromochloromethane	ND	µg/L		NA	1.0	4/17/2008 3:37:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		NA	1.0	4/17/2008 3:37:00 PM
1,2-Dibromoethane	ND	µg/L		NA	1.0	4/17/2008 3:37:00 PM
Dibromomethane	ND	µg/L		NA	10.0	4/17/2008 3:37:00 PM

Key:

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

REI Consultants, Inc. Analytical Results

Date: *02-May-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0804B17
Client Sample ID:	MW-5C	**Lab ID:**	0804B17-08A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	4/14/2008 1:52:00 PM
Site ID:	OLD HIGHLANDS NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
1,2-Dichlorobenzene	ND	µg/L		NA	5.0	4/17/2008 3:37:00 PM
1,4-Dichlorobenzene	ND	µg/L		NA	1.0	4/17/2008 3:37:00 PM
trans-1,4-Dichloro-2-butene	ND	µg/L		NA	100	4/17/2008 3:37:00 PM
1,1-Dichloroethane	ND	µg/L		NA	5.0	4/17/2008 3:37:00 PM
1,2-Dichloroethane	ND	µg/L		NA	1.0	4/17/2008 3:37:00 PM
1,1-Dichloroethene	ND	µg/L		NA	5.0	4/17/2008 3:37:00 PM
cis-1,2-Dichloroethene	28.8	µg/L		NA	25.0	4/21/2008 12:51:00 PM
trans-1,2-Dichloroethene	ND	µg/L		NA	5.0	4/17/2008 3:37:00 PM
1,2-Dichloropropane	ND	µg/L		NA	1.0	4/17/2008 3:37:00 PM
cis-1,3-Dichloropropene	ND	µg/L		NA	1.0	4/17/2008 3:37:00 PM
trans-1,3-Dichloropropene	ND	µg/L		NA	1.0	4/17/2008 3:37:00 PM
Ethylbenzene	ND	µg/L		NA	1.0	4/17/2008 3:37:00 PM
2-Hexanone	ND	µg/L		NA	50.0	4/17/2008 3:37:00 PM
Iodomethane	ND	µg/L		NA	10.0	4/17/2008 3:37:00 PM
Methylene chloride	ND	µg/L		NA	1.0	4/17/2008 3:37:00 PM
4-Methyl-2-pentanone	ND	µg/L		NA	100	4/17/2008 3:37:00 PM
Styrene	ND	µg/L		NA	1.0	4/17/2008 3:37:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		NA	5.0	4/17/2008 3:37:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		NA	1.0	4/17/2008 3:37:00 PM
Tetrachloroethene	ND	µg/L		NA	1.0	4/17/2008 3:37:00 PM
Toluene	ND	µg/L		NA	1.0	4/17/2008 3:37:00 PM
1,1,1-Trichloroethane	ND	µg/L		NA	1.0	4/17/2008 3:37:00 PM
1,1,2-Trichloroethane	ND	µg/L		NA	5.0	4/17/2008 3:37:00 PM
Trichloroethene	ND	µg/L		NA	1.0	4/17/2008 3:37:00 PM
Trichlorofluoromethane	ND	µg/L		NA	1.0	4/17/2008 3:37:00 PM
1,2,3-Trichloropropane	ND	µg/L		NA	1.0	4/17/2008 3:37:00 PM
Vinyl acetate	ND	µg/L		NA	50.0	4/17/2008 3:37:00 PM
Vinyl chloride	32.5	µg/L		NA	5.0	4/21/2008 12:51:00 PM
o-Xylene	ND	µg/L		NA	1.0	4/17/2008 3:37:00 PM
m,p-Xylene	ND	µg/L		NA	2.0	4/17/2008 3:37:00 PM
Surr: 1,2-Dichloroethane-d4	118	%REC			80-120	4/17/2008 3:37:00 PM
Surr: 4-Bromofluorobenzene	99.5	%REC			86-115	4/17/2008 3:37:00 PM
Surr: Dibromofluoromethane	109	%REC			80-120	4/17/2008 3:37:00 PM
Surr: Toluene-d8	96.1	%REC			88-110	4/17/2008 3:37:00 PM

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

REI Consultants, Inc. Analytical Results

Date: *02-May-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0804B17
Client Sample ID:	MW-6	**Lab ID:**	0804B17-09A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	4/14/2008 3:57:00 PM
Site ID:	OLD HIGHLANDS NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DBB**
Antimony	ND	mg/L		NA	0.0060	4/30/2008 9:32:47 AM
Arsenic	ND	mg/L		NA	0.0100	4/30/2008 9:32:47 AM
Barium	ND	mg/L		NA	0.100	4/30/2008 9:32:47 AM
Beryllium	ND	mg/L		NA	0.0010	4/30/2008 9:32:47 AM
Cadmium	ND	mg/L		NA	0.0010	4/30/2008 9:32:47 AM
Chromium	ND	mg/L		NA	0.0100	4/30/2008 9:32:47 AM
Cobalt	ND	mg/L		NA	0.0100	4/30/2008 9:32:47 AM
Copper	ND	mg/L		NA	0.0100	4/30/2008 9:32:47 AM
Lead	ND	mg/L		NA	0.0100	4/30/2008 9:32:47 AM
Nickel	ND	mg/L		NA	0.0500	4/30/2008 9:32:47 AM
Selenium	ND	mg/L		NA	0.0100	4/30/2008 9:32:47 AM
Silver	ND	mg/L		NA	0.0100	4/30/2008 9:32:47 AM
Thallium	ND	mg/L		NA	0.0050	4/30/2008 9:32:47 AM
Vanadium	ND	mg/L		NA	0.0200	4/30/2008 9:32:47 AM
Zinc	ND	mg/L		NA	0.0100	4/30/2008 9:32:47 AM

NOTES:
The CCV for BE exceeded REIC control limits indicating a high bias. Since the analyte result was ND, this exceedance does not adversely impac data usability.

VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		NA	100	4/18/2008 2:15:00 AM
Acrylonitrile	ND	µg/L		NA	200	4/18/2008 2:15:00 AM
Benzene	ND	µg/L		NA	1.0	4/18/2008 2:15:00 AM
Bromochloromethane	ND	µg/L		NA	3.0	4/18/2008 2:15:00 AM
Bromodichloromethane	ND	µg/L		NA	1.0	4/18/2008 2:15:00 AM
Bromoform	ND	µg/L		NA	3.0	4/18/2008 2:15:00 AM
Bromomethane	ND	µg/L		NA	10.0	4/18/2008 2:15:00 AM
2-Butanone	ND	µg/L		NA	100	4/18/2008 2:15:00 AM
Carbon disulfide	ND	µg/L		NA	100	4/18/2008 2:15:00 AM
Carbon tetrachloride	ND	µg/L		NA	1.0	4/18/2008 2:15:00 AM
Chlorobenzene	ND	µg/L		NA	3.0	4/18/2008 2:15:00 AM
Chloroethane	ND	µg/L		NA	10.0	4/18/2008 2:15:00 AM
Chloroform	ND	µg/L		NA	5.0	4/18/2008 2:15:00 AM
Chloromethane	ND	µg/L		NA	1.0	4/18/2008 2:15:00 AM
Dibromochloromethane	ND	µg/L		NA	1.0	4/18/2008 2:15:00 AM
1,2-Dibromo-3-chloropropane	ND	µg/L		NA	1.0	4/18/2008 2:15:00 AM
1,2-Dibromoethane	ND	µg/L		NA	1.0	4/18/2008 2:15:00 AM
Dibromomethane	ND	µg/L		NA	10.0	4/18/2008 2:15:00 AM

Key:

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

REI Consultants, Inc. Analytical Results

Date: *02-May-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0804B17
Client Sample ID:	MW-6	**Lab ID:**	0804B17-09A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	4/14/2008 3:57:00 PM
Site ID:	OLD HIGHLANDS NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
1,2-Dichlorobenzene	ND	µg/L		NA	5.0	4/18/2008 2:15:00 AM
1,4-Dichlorobenzene	ND	µg/L		NA	1.0	4/18/2008 2:15:00 AM
trans-1,4-Dichloro-2-butene	ND	µg/L		NA	100	4/18/2008 2:15:00 AM
1,1-Dichloroethane	ND	µg/L		NA	5.0	4/18/2008 2:15:00 AM
1,2-Dichloroethane	ND	µg/L		NA	1.0	4/18/2008 2:15:00 AM
1,1-Dichloroethene	ND	µg/L		NA	5.0	4/18/2008 2:15:00 AM
cis-1,2-Dichloroethene	ND	µg/L		NA	5.0	4/18/2008 2:15:00 AM
trans-1,2-Dichloroethene	ND	µg/L		NA	5.0	4/18/2008 2:15:00 AM
1,2-Dichloropropane	ND	µg/L		NA	1.0	4/18/2008 2:15:00 AM
cis-1,3-Dichloropropene	ND	µg/L		NA	1.0	4/18/2008 2:15:00 AM
trans-1,3-Dichloropropene	ND	µg/L		NA	1.0	4/18/2008 2:15:00 AM
Ethylbenzene	ND	µg/L		NA	1.0	4/18/2008 2:15:00 AM
2-Hexanone	ND	µg/L		NA	50.0	4/18/2008 2:15:00 AM
Iodomethane	ND	µg/L		NA	10.0	4/18/2008 2:15:00 AM
Methylene chloride	ND	µg/L		NA	1.0	4/18/2008 2:15:00 AM
4-Methyl-2-pentanone	ND	µg/L		NA	100	4/18/2008 2:15:00 AM
Styrene	ND	µg/L		NA	1.0	4/18/2008 2:15:00 AM
1,1,1,2-Tetrachloroethane	ND	µg/L		NA	5.0	4/18/2008 2:15:00 AM
1,1,2,2-Tetrachloroethane	ND	µg/L		NA	1.0	4/18/2008 2:15:00 AM
Tetrachloroethene	ND	µg/L		NA	1.0	4/18/2008 2:15:00 AM
Toluene	ND	µg/L		NA	1.0	4/18/2008 2:15:00 AM
1,1,1-Trichloroethane	ND	µg/L		NA	1.0	4/18/2008 2:15:00 AM
1,1,2-Trichloroethane	ND	µg/L		NA	5.0	4/18/2008 2:15:00 AM
Trichloroethene	ND	µg/L		NA	1.0	4/18/2008 2:15:00 AM
Trichlorofluoromethane	ND	µg/L		NA	1.0	4/18/2008 2:15:00 AM
1,2,3-Trichloropropane	ND	µg/L		NA	1.0	4/18/2008 2:15:00 AM
Vinyl acetate	ND	µg/L		NA	50.0	4/18/2008 2:15:00 AM
Vinyl chloride	ND	µg/L		NA	1.0	4/18/2008 2:15:00 AM
o-Xylene	ND	µg/L		NA	1.0	4/18/2008 2:15:00 AM
m,p-Xylene	ND	µg/L		NA	2.0	4/18/2008 2:15:00 AM
Surr: 1,2-Dichloroethane-d4	122	%REC	S		80-120	4/18/2008 2:15:00 AM
Surr: 4-Bromofluorobenzene	99.9	%REC			86-115	4/18/2008 2:15:00 AM
Surr: Dibromofluoromethane	110	%REC			80-120	4/18/2008 2:15:00 AM
Surr: Toluene-d8	96.6	%REC			88-110	4/18/2008 2:15:00 AM

Key:

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

REI Consultants, Inc. Analytical Results

Date: *02-May-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0804B17
Client Sample ID:	MW-6A	**Lab ID:**	0804B17-10A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	4/14/2008 3:50:00 PM
Site ID:	OLD HIGHLANDS NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DBB**
Antimony	ND	mg/L		NA	0.0060	4/30/2008 9:38:36 AM
Arsenic	ND	mg/L		NA	0.0100	4/30/2008 9:38:36 AM
Barium	ND	mg/L		NA	0.100	4/30/2008 9:38:36 AM
Beryllium	ND	mg/L		NA	0.0010	4/30/2008 9:38:36 AM
Cadmium	ND	mg/L		NA	0.0010	4/30/2008 9:38:36 AM
Chromium	ND	mg/L		NA	0.0100	4/30/2008 9:38:36 AM
Cobalt	ND	mg/L		NA	0.0100	4/30/2008 9:38:36 AM
Copper	ND	mg/L		NA	0.0100	4/30/2008 9:38:36 AM
Lead	ND	mg/L		NA	0.0100	4/30/2008 9:38:36 AM
Nickel	ND	mg/L		NA	0.0500	4/30/2008 9:38:36 AM
Selenium	ND	mg/L		NA	0.0100	4/30/2008 9:38:36 AM
Silver	ND	mg/L		NA	0.0100	4/30/2008 9:38:36 AM
Thallium	ND	mg/L		NA	0.0050	4/30/2008 9:38:36 AM
Vanadium	ND	mg/L		NA	0.0200	4/30/2008 9:38:36 AM
Zinc	ND	mg/L		NA	0.0100	4/30/2008 9:38:36 AM

NOTES:
The CCV for Be exceeded REIC control limits indicating a high bias. Since the analyte result was ND, this exceedance does not adversely impact data usability.

VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		NA	100	4/17/2008 9:18:00 PM
Acrylonitrile	ND	µg/L		NA	200	4/17/2008 9:18:00 PM
Benzene	ND	µg/L		NA	1.0	4/17/2008 9:18:00 PM
Bromochloromethane	ND	µg/L		NA	3.0	4/17/2008 9:18:00 PM
Bromodichloromethane	ND	µg/L		NA	1.0	4/17/2008 9:18:00 PM
Bromoform	ND	µg/L		NA	3.0	4/17/2008 9:18:00 PM
Bromomethane	ND	µg/L		NA	10.0	4/17/2008 9:18:00 PM
2-Butanone	ND	µg/L		NA	100	4/17/2008 9:18:00 PM
Carbon disulfide	ND	µg/L		NA	100	4/17/2008 9:18:00 PM
Carbon tetrachloride	ND	µg/L		NA	1.0	4/17/2008 9:18:00 PM
Chlorobenzene	ND	µg/L		NA	3.0	4/17/2008 9:18:00 PM
Chloroethane	ND	µg/L		NA	10.0	4/17/2008 9:18:00 PM
Chloroform	ND	µg/L		NA	5.0	4/17/2008 9:18:00 PM
Chloromethane	ND	µg/L		NA	1.0	4/17/2008 9:18:00 PM
Dibromochloromethane	ND	µg/L		NA	1.0	4/17/2008 9:18:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		NA	1.0	4/17/2008 9:18:00 PM
1,2-Dibromoethane	ND	µg/L		NA	1.0	4/17/2008 9:18:00 PM
Dibromomethane	ND	µg/L		NA	10.0	4/17/2008 9:18:00 PM

Key:

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

REI Consultants, Inc. Analytical Results

Date: *02-May-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0804B17
Client Sample ID:	MW-6A	**Lab ID:**	0804B17-10A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	4/14/2008 3:50:00 PM
Site ID:	OLD HIGHLANDS NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
1,2-Dichlorobenzene	ND	µg/L		NA	5.0	4/17/2008 9:18:00 PM
1,4-Dichlorobenzene	ND	µg/L		NA	1.0	4/17/2008 9:18:00 PM
trans-1,4-Dichloro-2-butene	ND	µg/L		NA	100	4/17/2008 9:18:00 PM
1,1-Dichloroethane	ND	µg/L		NA	5.0	4/17/2008 9:18:00 PM
1,2-Dichloroethane	ND	µg/L		NA	1.0	4/17/2008 9:18:00 PM
1,1-Dichloroethene	ND	µg/L		NA	5.0	4/17/2008 9:18:00 PM
cis-1,2-Dichloroethene	ND	µg/L		NA	5.0	4/17/2008 9:18:00 PM
trans-1,2-Dichloroethene	ND	µg/L		NA	5.0	4/17/2008 9:18:00 PM
1,2-Dichloropropane	ND	µg/L		NA	1.0	4/17/2008 9:18:00 PM
cis-1,3-Dichloropropene	ND	µg/L		NA	1.0	4/17/2008 9:18:00 PM
trans-1,3-Dichloropropene	ND	µg/L		NA	1.0	4/17/2008 9:18:00 PM
Ethylbenzene	ND	µg/L		NA	1.0	4/17/2008 9:18:00 PM
2-Hexanone	ND	µg/L		NA	50.0	4/17/2008 9:18:00 PM
Iodomethane	ND	µg/L		NA	10.0	4/17/2008 9:18:00 PM
Methylene chloride	ND	µg/L		NA	1.0	4/17/2008 9:18:00 PM
4-Methyl-2-pentanone	ND	µg/L		NA	100	4/17/2008 9:18:00 PM
Styrene	ND	µg/L		NA	1.0	4/17/2008 9:18:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		NA	5.0	4/17/2008 9:18:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		NA	1.0	4/17/2008 9:18:00 PM
Tetrachloroethene	ND	µg/L		NA	1.0	4/17/2008 9:18:00 PM
Toluene	ND	µg/L		NA	1.0	4/17/2008 9:18:00 PM
1,1,1-Trichloroethane	ND	µg/L		NA	1.0	4/17/2008 9:18:00 PM
1,1,2-Trichloroethane	ND	µg/L		NA	5.0	4/17/2008 9:18:00 PM
Trichloroethene	ND	µg/L		NA	1.0	4/17/2008 9:18:00 PM
Trichlorofluoromethane	ND	µg/L		NA	1.0	4/17/2008 9:18:00 PM
1,2,3-Trichloropropane	ND	µg/L		NA	1.0	4/17/2008 9:18:00 PM
Vinyl acetate	ND	µg/L		NA	50.0	4/17/2008 9:18:00 PM
Vinyl chloride	ND	µg/L		NA	1.0	4/17/2008 9:18:00 PM
o-Xylene	ND	µg/L		NA	1.0	4/17/2008 9:18:00 PM
m,p-Xylene	ND	µg/L		NA	2.0	4/17/2008 9:18:00 PM
Surr: 1,2-Dichloroethane-d4	121	%REC	S		80-120	4/17/2008 9:18:00 PM
Surr: 4-Bromofluorobenzene	98.4	%REC			86-115	4/17/2008 9:18:00 PM
Surr: Dibromofluoromethane	110	%REC			80-120	4/17/2008 9:18:00 PM
Surr: Toluene-d8	94.0	%REC			88-110	4/17/2008 9:18:00 PM

Key:

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

REI Consultants, Inc. Analytical Results

Date: *02-May-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0804B17
Client Sample ID:	MW-6C	**Lab ID:**	0804B17-11A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	4/14/2008 4:07:00 PM
Site ID:	OLD HIGHLANDS NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DBB**
Antimony	ND	mg/L		NA	0.0060	4/30/2008 9:44:25 AM
Arsenic	ND	mg/L		NA	0.0100	4/30/2008 9:44:25 AM
Barium	ND	mg/L		NA	0.100	4/30/2008 9:44:25 AM
Beryllium	ND	mg/L		NA	0.0010	4/30/2008 9:44:25 AM
Cadmium	ND	mg/L		NA	0.0010	4/30/2008 9:44:25 AM
Chromium	ND	mg/L		NA	0.0100	4/30/2008 9:44:25 AM
Cobalt	ND	mg/L		NA	0.0100	4/30/2008 9:44:25 AM
Copper	ND	mg/L		NA	0.0100	4/30/2008 9:44:25 AM
Lead	ND	mg/L		NA	0.0100	4/30/2008 9:44:25 AM
Nickel	ND	mg/L		NA	0.0500	4/30/2008 9:44:25 AM
Selenium	ND	mg/L		NA	0.0100	4/30/2008 9:44:25 AM
Silver	ND	mg/L		NA	0.0100	4/30/2008 9:44:25 AM
Thallium	ND	mg/L		NA	0.0050	4/30/2008 9:44:25 AM
Vanadium	ND	mg/L		NA	0.0200	4/30/2008 9:44:25 AM
Zinc	ND	mg/L		NA	0.0100	4/30/2008 9:44:25 AM

NOTES:
The CCV for Be exceeded REIC control limits indicating a high bias. Since the analyte result was ND, this exceedance does not adversely impact data usability.

VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		NA	100	4/17/2008 9:51:00 PM
Acrylonitrile	ND	µg/L		NA	200	4/17/2008 9:51:00 PM
Benzene	ND	µg/L		NA	1.0	4/17/2008 9:51:00 PM
Bromochloromethane	ND	µg/L		NA	3.0	4/17/2008 9:51:00 PM
Bromodichloromethane	ND	µg/L		NA	1.0	4/17/2008 9:51:00 PM
Bromoform	ND	µg/L		NA	3.0	4/17/2008 9:51:00 PM
Bromomethane	ND	µg/L		NA	10.0	4/17/2008 9:51:00 PM
2-Butanone	ND	µg/L		NA	100	4/17/2008 9:51:00 PM
Carbon disulfide	ND	µg/L		NA	100	4/17/2008 9:51:00 PM
Carbon tetrachloride	ND	µg/L		NA	1.0	4/17/2008 9:51:00 PM
Chlorobenzene	ND	µg/L		NA	3.0	4/17/2008 9:51:00 PM
Chloroethane	ND	µg/L		NA	10.0	4/17/2008 9:51:00 PM
Chloroform	ND	µg/L		NA	5.0	4/17/2008 9:51:00 PM
Chloromethane	ND	µg/L		NA	1.0	4/17/2008 9:51:00 PM
Dibromochloromethane	ND	µg/L		NA	1.0	4/17/2008 9:51:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		NA	1.0	4/17/2008 9:51:00 PM
1,2-Dibromoethane	ND	µg/L		NA	1.0	4/17/2008 9:51:00 PM
Dibromomethane	ND	µg/L		NA	10.0	4/17/2008 9:51:00 PM

Key:

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

REI Consultants, Inc. Analytical Results

Date: *02-May-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0804B17
Client Sample ID:	MW-6C	**Lab ID:**	0804B17-11A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	4/14/2008 4:07:00 PM
Site ID:	OLD HIGHLANDS NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
1,2-Dichlorobenzene	ND	µg/L		NA	5.0	4/17/2008 9:51:00 PM
1,4-Dichlorobenzene	ND	µg/L		NA	1.0	4/17/2008 9:51:00 PM
trans-1,4-Dichloro-2-butene	ND	µg/L		NA	100	4/17/2008 9:51:00 PM
1,1-Dichloroethane	ND	µg/L		NA	5.0	4/17/2008 9:51:00 PM
1,2-Dichloroethane	ND	µg/L		NA	1.0	4/17/2008 9:51:00 PM
1,1-Dichloroethene	ND	µg/L		NA	5.0	4/17/2008 9:51:00 PM
cis-1,2-Dichloroethene	ND	µg/L		NA	5.0	4/17/2008 9:51:00 PM
trans-1,2-Dichloroethene	ND	µg/L		NA	5.0	4/17/2008 9:51:00 PM
1,2-Dichloropropane	ND	µg/L		NA	1.0	4/17/2008 9:51:00 PM
cis-1,3-Dichloropropene	ND	µg/L		NA	1.0	4/17/2008 9:51:00 PM
trans-1,3-Dichloropropene	ND	µg/L		NA	1.0	4/17/2008 9:51:00 PM
Ethylbenzene	ND	µg/L		NA	1.0	4/17/2008 9:51:00 PM
2-Hexanone	ND	µg/L		NA	50.0	4/17/2008 9:51:00 PM
Iodomethane	ND	µg/L		NA	10.0	4/17/2008 9:51:00 PM
Methylene chloride	ND	µg/L		NA	1.0	4/17/2008 9:51:00 PM
4-Methyl-2-pentanone	ND	µg/L		NA	100	4/17/2008 9:51:00 PM
Styrene	ND	µg/L		NA	1.0	4/17/2008 9:51:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		NA	5.0	4/17/2008 9:51:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		NA	1.0	4/17/2008 9:51:00 PM
Tetrachloroethene	ND	µg/L		NA	1.0	4/17/2008 9:51:00 PM
Toluene	ND	µg/L		NA	1.0	4/17/2008 9:51:00 PM
1,1,1-Trichloroethane	ND	µg/L		NA	1.0	4/17/2008 9:51:00 PM
1,1,2-Trichloroethane	ND	µg/L		NA	5.0	4/17/2008 9:51:00 PM
Trichloroethene	ND	µg/L		NA	1.0	4/17/2008 9:51:00 PM
Trichlorofluoromethane	ND	µg/L		NA	1.0	4/17/2008 9:51:00 PM
1,2,3-Trichloropropane	ND	µg/L		NA	1.0	4/17/2008 9:51:00 PM
Vinyl acetate	ND	µg/L		NA	50.0	4/17/2008 9:51:00 PM
Vinyl chloride	ND	µg/L		NA	1.0	4/17/2008 9:51:00 PM
o-Xylene	ND	µg/L		NA	1.0	4/17/2008 9:51:00 PM
m,p-Xylene	ND	µg/L		NA	2.0	4/17/2008 9:51:00 PM
Surr: 1,2-Dichloroethane-d4	121	%REC	S		80-120	4/17/2008 9:51:00 PM
Surr: 4-Bromofluorobenzene	99.4	%REC			86-115	4/17/2008 9:51:00 PM
Surr: Dibromofluoromethane	111	%REC			80-120	4/17/2008 9:51:00 PM
Surr: Toluene-d8	94.0	%REC			88-110	4/17/2008 9:51:00 PM

Key:

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

REI Consultants, Inc. Analytical Results

Date: *02-May-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0804B17
Client Sample ID:	MW-7	**Lab ID:**	0804B17-12A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	4/14/2008 4:33:00 PM
Site ID:	OLD HIGHLANDS NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DBB**
Antimony	ND	mg/L		NA	0.0060	4/30/2008 9:50:16 AM
Arsenic	ND	mg/L		NA	0.0100	4/30/2008 9:50:16 AM
Barium	0.273	mg/L		NA	0.100	4/30/2008 9:50:16 AM
Beryllium	ND	mg/L		NA	0.0010	4/30/2008 9:50:16 AM
Cadmium	ND	mg/L		NA	0.0010	4/30/2008 9:50:16 AM
Chromium	ND	mg/L		NA	0.0100	4/30/2008 9:50:16 AM
Cobalt	0.263	mg/L		NA	0.0100	4/30/2008 9:50:16 AM
Copper	ND	mg/L		NA	0.0100	4/30/2008 9:50:16 AM
Lead	ND	mg/L		NA	0.0100	4/30/2008 9:50:16 AM
Nickel	ND	mg/L		NA	0.0500	4/30/2008 9:50:16 AM
Selenium	ND	mg/L		NA	0.0100	4/30/2008 9:50:16 AM
Silver	ND	mg/L		NA	0.0100	4/30/2008 9:50:16 AM
Thallium	ND	mg/L		NA	0.0050	4/30/2008 9:50:16 AM
Vanadium	ND	mg/L		NA	0.0200	4/30/2008 9:50:16 AM
Zinc	0.0117	mg/L		NA	0.0100	4/30/2008 9:50:16 AM

NOTES:
The CCV for Be exceeded REIC control limits indicating a high bias. Since the analyte result was ND, this exceedance does not adversely impact data usability.

VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		NA	1,000	4/21/2008 11:10:00 AM
Acrylonitrile	ND	µg/L		NA	2,000	4/21/2008 11:10:00 AM
Benzene	ND	µg/L		NA	10.0	4/21/2008 11:10:00 AM
Bromochloromethane	ND	µg/L		NA	30.0	4/21/2008 11:10:00 AM
Bromodichloromethane	ND	µg/L		NA	10.0	4/21/2008 11:10:00 AM
Bromoform	ND	µg/L		NA	30.0	4/21/2008 11:10:00 AM
Bromomethane	ND	µg/L		NA	100	4/21/2008 11:10:00 AM
2-Butanone	ND	µg/L		NA	1,000	4/21/2008 11:10:00 AM
Carbon disulfide	ND	µg/L		NA	1,000	4/21/2008 11:10:00 AM
Carbon tetrachloride	ND	µg/L		NA	10.0	4/21/2008 11:10:00 AM
Chlorobenzene	ND	µg/L		NA	30.0	4/21/2008 11:10:00 AM
Chloroethane	ND	µg/L		NA	100	4/21/2008 11:10:00 AM
Chloroform	ND	µg/L		NA	50.0	4/21/2008 11:10:00 AM
Chloromethane	ND	µg/L		NA	10.0	4/21/2008 11:10:00 AM
Dibromochloromethane	ND	µg/L		NA	10.0	4/21/2008 11:10:00 AM
1,2-Dibromo-3-chloropropane	ND	µg/L		NA	10.0	4/21/2008 11:10:00 AM
1,2-Dibromoethane	ND	µg/L		NA	10.0	4/21/2008 11:10:00 AM
Dibromomethane	ND	µg/L		NA	100	4/21/2008 11:10:00 AM

Key:

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

REI Consultants, Inc. Analytical Results

Date: *02-May-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0804B17
Client Sample ID:	MW-7	**Lab ID:**	0804B17-12A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	4/14/2008 4:33:00 PM
Site ID:	OLD HIGHLANDS NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
1,2-Dichlorobenzene	ND	µg/L		NA	50.0	4/21/2008 11:10:00 AM
1,4-Dichlorobenzene	ND	µg/L		NA	10.0	4/21/2008 11:10:00 AM
trans-1,4-Dichloro-2-butene	ND	µg/L		NA	1,000	4/21/2008 11:10:00 AM
1,1-Dichloroethane	ND	µg/L		NA	50.0	4/21/2008 11:10:00 AM
1,2-Dichloroethane	ND	µg/L		NA	10.0	4/21/2008 11:10:00 AM
1,1-Dichloroethene	ND	µg/L		NA	50.0	4/21/2008 11:10:00 AM
cis-1,2-Dichloroethene	818	µg/L		NA	500	4/18/2008 2:49:00 AM
trans-1,2-Dichloroethene	ND	µg/L		NA	50.0	4/21/2008 11:10:00 AM
1,2-Dichloropropane	ND	µg/L		NA	10.0	4/21/2008 11:10:00 AM
cis-1,3-Dichloropropene	ND	µg/L		NA	10.0	4/21/2008 11:10:00 AM
trans-1,3-Dichloropropene	ND	µg/L		NA	10.0	4/21/2008 11:10:00 AM
Ethylbenzene	33.1	µg/L		NA	10.0	4/21/2008 11:10:00 AM
2-Hexanone	ND	µg/L		NA	500	4/21/2008 11:10:00 AM
Iodomethane	ND	µg/L		NA	100	4/21/2008 11:10:00 AM
Methylene chloride	ND	µg/L		NA	10.0	4/21/2008 11:10:00 AM
4-Methyl-2-pentanone	ND	µg/L		NA	1,000	4/21/2008 11:10:00 AM
Styrene	ND	µg/L		NA	10.0	4/21/2008 11:10:00 AM
1,1,1,2-Tetrachloroethane	ND	µg/L		NA	50.0	4/21/2008 11:10:00 AM
1,1,2,2-Tetrachloroethane	ND	µg/L		NA	10.0	4/21/2008 11:10:00 AM
Tetrachloroethene	ND	µg/L		NA	10.0	4/21/2008 11:10:00 AM
Toluene	101	µg/L		NA	100	4/18/2008 2:49:00 AM
1,1,1-Trichloroethane	ND	µg/L		NA	10.0	4/21/2008 11:10:00 AM
1,1,2-Trichloroethane	ND	µg/L		NA	50.0	4/21/2008 11:10:00 AM
Trichloroethene	ND	µg/L		NA	10.0	4/21/2008 11:10:00 AM
Trichlorofluoromethane	ND	µg/L		NA	10.0	4/21/2008 11:10:00 AM
1,2,3-Trichloropropane	ND	µg/L		NA	10.0	4/21/2008 11:10:00 AM
Vinyl acetate	ND	µg/L		NA	500	4/21/2008 11:10:00 AM
Vinyl chloride	806	µg/L		NA	100	4/18/2008 2:49:00 AM
o-Xylene	23.5	µg/L		NA	10.0	4/21/2008 11:10:00 AM
m,p-Xylene	49.7	µg/L		NA	20.0	4/21/2008 11:10:00 AM
Surr: 1,2-Dichloroethane-d4	103	%REC			80-120	4/21/2008 11:10:00 AM
Surr: 4-Bromofluorobenzene	102	%REC			86-115	4/21/2008 11:10:00 AM
Surr: Dibromofluoromethane	101	%REC			80-120	4/21/2008 11:10:00 AM
Surr: Toluene-d8	100	%REC			88-110	4/21/2008 11:10:00 AM

Key:

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

REI Consultants, Inc. Analytical Results

Date: *02-May-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0804B17
Client Sample ID:	MW-8	**Lab ID:**	0804B17-13A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	4/14/2008 10:47:00 AM
Site ID:	OLD HIGHLANDS NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DBB**
Antimony	ND	mg/L		NA	0.0060	4/30/2008 9:56:06 AM
Arsenic	ND	mg/L		NA	0.0100	4/30/2008 9:56:06 AM
Barium	0.123	mg/L		NA	0.100	4/30/2008 9:56:06 AM
Beryllium	ND	mg/L		NA	0.0010	4/30/2008 9:56:06 AM
Cadmium	ND	mg/L		NA	0.0010	4/30/2008 9:56:06 AM
Chromium	ND	mg/L		NA	0.0100	4/30/2008 9:56:06 AM
Cobalt	ND	mg/L		NA	0.0100	4/30/2008 9:56:06 AM
Copper	ND	mg/L		NA	0.0100	4/30/2008 9:56:06 AM
Lead	ND	mg/L		NA	0.0100	4/30/2008 9:56:06 AM
Nickel	ND	mg/L		NA	0.0500	4/30/2008 9:56:06 AM
Selenium	ND	mg/L		NA	0.0100	4/30/2008 9:56:06 AM
Silver	ND	mg/L		NA	0.0100	4/30/2008 9:56:06 AM
Thallium	ND	mg/L		NA	0.0050	4/30/2008 9:56:06 AM
Vanadium	ND	mg/L		NA	0.0200	4/30/2008 9:56:06 AM
Zinc	ND	mg/L		NA	0.0100	4/30/2008 9:56:06 AM

NOTES:
The CCV for Be exceeded REIC control limits indicating a high bias. Since the analyte result was ND, this exceedance does not adversely impact data usability.

VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		NA	100	4/17/2008 10:24:00 PM
Acrylonitrile	ND	µg/L		NA	200	4/17/2008 10:24:00 PM
Benzene	ND	µg/L		NA	1.0	4/17/2008 10:24:00 PM
Bromochloromethane	ND	µg/L		NA	3.0	4/17/2008 10:24:00 PM
Bromodichloromethane	ND	µg/L		NA	1.0	4/17/2008 10:24:00 PM
Bromoform	ND	µg/L		NA	3.0	4/17/2008 10:24:00 PM
Bromomethane	ND	µg/L		NA	10.0	4/17/2008 10:24:00 PM
2-Butanone	ND	µg/L		NA	100	4/17/2008 10:24:00 PM
Carbon disulfide	ND	µg/L		NA	100	4/17/2008 10:24:00 PM
Carbon tetrachloride	ND	µg/L		NA	1.0	4/17/2008 10:24:00 PM
Chlorobenzene	ND	µg/L		NA	3.0	4/17/2008 10:24:00 PM
Chloroethane	ND	µg/L		NA	10.0	4/17/2008 10:24:00 PM
Chloroform	ND	µg/L		NA	5.0	4/17/2008 10:24:00 PM
Chloromethane	ND	µg/L		NA	1.0	4/17/2008 10:24:00 PM
Dibromochloromethane	ND	µg/L		NA	1.0	4/17/2008 10:24:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		NA	1.0	4/17/2008 10:24:00 PM
1,2-Dibromoethane	ND	µg/L		NA	1.0	4/17/2008 10:24:00 PM
Dibromomethane	ND	µg/L		NA	10.0	4/17/2008 10:24:00 PM

Key:

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

REI Consultants, Inc. Analytical Results

Date: *02-May-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0804B17
Client Sample ID:	MW-8	**Lab ID:**	0804B17-13A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	4/14/2008 10:47:00 AM
Site ID:	OLD HIGHLANDS NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
1,2-Dichlorobenzene	ND	µg/L		NA	5.0	4/17/2008 10:24:00 PM
1,4-Dichlorobenzene	ND	µg/L		NA	1.0	4/17/2008 10:24:00 PM
trans-1,4-Dichloro-2-butene	ND	µg/L		NA	100	4/17/2008 10:24:00 PM
1,1-Dichloroethane	ND	µg/L		NA	5.0	4/17/2008 10:24:00 PM
1,2-Dichloroethane	ND	µg/L		NA	1.0	4/17/2008 10:24:00 PM
1,1-Dichloroethene	ND	µg/L		NA	5.0	4/17/2008 10:24:00 PM
cis-1,2-Dichloroethene	ND	µg/L		NA	5.0	4/17/2008 10:24:00 PM
trans-1,2-Dichloroethene	ND	µg/L		NA	5.0	4/17/2008 10:24:00 PM
1,2-Dichloropropane	ND	µg/L		NA	1.0	4/17/2008 10:24:00 PM
cis-1,3-Dichloropropene	ND	µg/L		NA	1.0	4/17/2008 10:24:00 PM
trans-1,3-Dichloropropene	ND	µg/L		NA	1.0	4/17/2008 10:24:00 PM
Ethylbenzene	ND	µg/L		NA	1.0	4/17/2008 10:24:00 PM
2-Hexanone	ND	µg/L		NA	50.0	4/17/2008 10:24:00 PM
Iodomethane	ND	µg/L		NA	10.0	4/17/2008 10:24:00 PM
Methylene chloride	ND	µg/L		NA	1.0	4/17/2008 10:24:00 PM
4-Methyl-2-pentanone	ND	µg/L		NA	100	4/17/2008 10:24:00 PM
Styrene	ND	µg/L		NA	1.0	4/17/2008 10:24:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		NA	5.0	4/17/2008 10:24:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		NA	1.0	4/17/2008 10:24:00 PM
Tetrachloroethene	ND	µg/L		NA	1.0	4/17/2008 10:24:00 PM
Toluene	ND	µg/L		NA	1.0	4/17/2008 10:24:00 PM
1,1,1-Trichloroethane	ND	µg/L		NA	1.0	4/17/2008 10:24:00 PM
1,1,2-Trichloroethane	ND	µg/L		NA	5.0	4/17/2008 10:24:00 PM
Trichloroethene	ND	µg/L		NA	1.0	4/17/2008 10:24:00 PM
Trichlorofluoromethane	ND	µg/L		NA	1.0	4/17/2008 10:24:00 PM
1,2,3-Trichloropropane	ND	µg/L		NA	1.0	4/17/2008 10:24:00 PM
Vinyl acetate	ND	µg/L		NA	50.0	4/17/2008 10:24:00 PM
Vinyl chloride	ND	µg/L		NA	1.0	4/17/2008 10:24:00 PM
o-Xylene	ND	µg/L		NA	1.0	4/17/2008 10:24:00 PM
m,p-Xylene	ND	µg/L		NA	2.0	4/17/2008 10:24:00 PM
Surr: 1,2-Dichloroethane-d4	118	%REC			80-120	4/17/2008 10:24:00 PM
Surr: 4-Bromofluorobenzene	99.0	%REC			86-115	4/17/2008 10:24:00 PM
Surr: Dibromofluoromethane	109	%REC			80-120	4/17/2008 10:24:00 PM
Surr: Toluene-d8	96.5	%REC			88-110	4/17/2008 10:24:00 PM

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

REI Consultants, Inc. Analytical Results

Date: *02-May-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0804B17
Client Sample ID:	SPRING A	**Lab ID:**	0804B17-14A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	4/14/2008 10:20:00 AM
Site ID:	OLD HIGHLANDS NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DBB**
Antimony	ND	mg/L		NA	0.0060	4/30/2008 10:01:57 AM
Arsenic	ND	mg/L		NA	0.0100	4/30/2008 10:01:57 AM
Barium	ND	mg/L		NA	0.100	4/30/2008 10:01:57 AM
Beryllium	ND	mg/L		NA	0.0010	4/30/2008 10:01:57 AM
Cadmium	ND	mg/L		NA	0.0010	4/30/2008 10:01:57 AM
Chromium	ND	mg/L		NA	0.0100	4/30/2008 10:01:57 AM
Cobalt	ND	mg/L		NA	0.0100	4/30/2008 10:01:57 AM
Copper	ND	mg/L		NA	0.0100	4/30/2008 10:01:57 AM
Lead	ND	mg/L		NA	0.0100	4/30/2008 10:01:57 AM
Nickel	ND	mg/L		NA	0.0500	4/30/2008 10:01:57 AM
Selenium	ND	mg/L		NA	0.0100	4/30/2008 10:01:57 AM
Silver	ND	mg/L		NA	0.0100	4/30/2008 10:01:57 AM
Thallium	ND	mg/L		NA	0.0050	4/30/2008 10:01:57 AM
Vanadium	ND	mg/L		NA	0.0200	4/30/2008 10:01:57 AM
Zinc	ND	mg/L		NA	0.0100	4/30/2008 10:01:57 AM

NOTES:
The CCV for Be exceeded REIC control limits indicating a high bias. Since the analyte result was ND, this exceedance does not adversely impact data usability.

VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		NA	100	4/17/2008 10:57:00 PM
Acrylonitrile	ND	µg/L		NA	200	4/17/2008 10:57:00 PM
Benzene	ND	µg/L		NA	1.0	4/17/2008 10:57:00 PM
Bromochloromethane	ND	µg/L		NA	3.0	4/17/2008 10:57:00 PM
Bromodichloromethane	ND	µg/L		NA	1.0	4/17/2008 10:57:00 PM
Bromoform	ND	µg/L		NA	3.0	4/17/2008 10:57:00 PM
Bromomethane	ND	µg/L		NA	10.0	4/17/2008 10:57:00 PM
2-Butanone	ND	µg/L		NA	100	4/17/2008 10:57:00 PM
Carbon disulfide	ND	µg/L		NA	100	4/17/2008 10:57:00 PM
Carbon tetrachloride	ND	µg/L		NA	1.0	4/17/2008 10:57:00 PM
Chlorobenzene	ND	µg/L		NA	3.0	4/17/2008 10:57:00 PM
Chloroethane	ND	µg/L		NA	10.0	4/17/2008 10:57:00 PM
Chloroform	ND	µg/L		NA	5.0	4/17/2008 10:57:00 PM
Chloromethane	ND	µg/L		NA	1.0	4/17/2008 10:57:00 PM
Dibromochloromethane	ND	µg/L		NA	1.0	4/17/2008 10:57:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		NA	1.0	4/17/2008 10:57:00 PM
1,2-Dibromoethane	ND	µg/L		NA	1.0	4/17/2008 10:57:00 PM
Dibromomethane	ND	µg/L		NA	10.0	4/17/2008 10:57:00 PM

Key:

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

REI Consultants, Inc. Analytical Results

Date: *02-May-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0804B17
Client Sample ID:	SPRING A	**Lab ID:**	0804B17-14A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	4/14/2008 10:20:00 AM
Site ID:	OLD HIGHLANDS NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
1,2-Dichlorobenzene	ND	µg/L		NA	5.0	4/17/2008 10:57:00 PM
1,4-Dichlorobenzene	ND	µg/L		NA	1.0	4/17/2008 10:57:00 PM
trans-1,4-Dichloro-2-butene	ND	µg/L		NA	100	4/17/2008 10:57:00 PM
1,1-Dichloroethane	ND	µg/L		NA	5.0	4/17/2008 10:57:00 PM
1,2-Dichloroethane	ND	µg/L		NA	1.0	4/17/2008 10:57:00 PM
1,1-Dichloroethene	ND	µg/L		NA	5.0	4/17/2008 10:57:00 PM
cis-1,2-Dichloroethene	46.6	µg/L		NA	25.0	4/21/2008 1:25:00 PM
trans-1,2-Dichloroethene	ND	µg/L		NA	5.0	4/17/2008 10:57:00 PM
1,2-Dichloropropane	ND	µg/L		NA	1.0	4/17/2008 10:57:00 PM
cis-1,3-Dichloropropene	ND	µg/L		NA	1.0	4/17/2008 10:57:00 PM
trans-1,3-Dichloropropene	ND	µg/L		NA	1.0	4/17/2008 10:57:00 PM
Ethylbenzene	ND	µg/L		NA	1.0	4/17/2008 10:57:00 PM
2-Hexanone	ND	µg/L		NA	50.0	4/17/2008 10:57:00 PM
Iodomethane	ND	µg/L		NA	10.0	4/17/2008 10:57:00 PM
Methylene chloride	ND	µg/L		NA	1.0	4/17/2008 10:57:00 PM
4-Methyl-2-pentanone	ND	µg/L		NA	100	4/17/2008 10:57:00 PM
Styrene	ND	µg/L		NA	1.0	4/17/2008 10:57:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		NA	5.0	4/17/2008 10:57:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		NA	1.0	4/17/2008 10:57:00 PM
Tetrachloroethene	ND	µg/L		NA	1.0	4/17/2008 10:57:00 PM
Toluene	ND	µg/L		NA	1.0	4/17/2008 10:57:00 PM
1,1,1-Trichloroethane	ND	µg/L		NA	1.0	4/17/2008 10:57:00 PM
1,1,2-Trichloroethane	ND	µg/L		NA	5.0	4/17/2008 10:57:00 PM
Trichloroethene	ND	µg/L		NA	1.0	4/17/2008 10:57:00 PM
Trichlorofluoromethane	ND	µg/L		NA	1.0	4/17/2008 10:57:00 PM
1,2,3-Trichloropropane	ND	µg/L		NA	1.0	4/17/2008 10:57:00 PM
Vinyl acetate	ND	µg/L		NA	50.0	4/17/2008 10:57:00 PM
Vinyl chloride	10.4	µg/L		NA	1.0	4/17/2008 10:57:00 PM
o-Xylene	ND	µg/L		NA	1.0	4/17/2008 10:57:00 PM
m,p-Xylene	ND	µg/L		NA	2.0	4/17/2008 10:57:00 PM
Surr: 1,2-Dichloroethane-d4	119	%REC			80-120	4/17/2008 10:57:00 PM
Surr: 4-Bromofluorobenzene	99.2	%REC			86-115	4/17/2008 10:57:00 PM
Surr: Dibromofluoromethane	108	%REC			80-120	4/17/2008 10:57:00 PM
Surr: Toluene-d8	95.5	%REC			88-110	4/17/2008 10:57:00 PM

Key:

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

REI Consultants, Inc. Analytical Results

Date: *02-May-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0804B17
Client Sample ID:	SPRING B	**Lab ID:**	0804B17-15A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	4/14/2008 2:40:00 PM
Site ID:	OLD HIGHLANDS NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DBB**
Antimony	ND	mg/L		NA	0.0060	4/30/2008 10:07:49 AM
Arsenic	ND	mg/L		NA	0.0100	4/30/2008 10:07:49 AM
Barium	ND	mg/L		NA	0.100	4/30/2008 10:07:49 AM
Beryllium	ND	mg/L		NA	0.0010	4/30/2008 10:07:49 AM
Cadmium	ND	mg/L		NA	0.0010	4/30/2008 10:07:49 AM
Chromium	ND	mg/L		NA	0.0100	4/30/2008 10:07:49 AM
Cobalt	ND	mg/L		NA	0.0100	4/30/2008 10:07:49 AM
Copper	ND	mg/L		NA	0.0100	4/30/2008 10:07:49 AM
Lead	ND	mg/L		NA	0.0100	4/30/2008 10:07:49 AM
Nickel	ND	mg/L		NA	0.0500	4/30/2008 10:07:49 AM
Selenium	ND	mg/L		NA	0.0100	4/30/2008 10:07:49 AM
Silver	ND	mg/L		NA	0.0100	4/30/2008 10:07:49 AM
Thallium	ND	mg/L		NA	0.0050	4/30/2008 10:07:49 AM
Vanadium	ND	mg/L		NA	0.0200	4/30/2008 10:07:49 AM
Zinc	ND	mg/L		NA	0.0100	4/30/2008 10:07:49 AM

NOTES:
The CCV for Be exceeded REIC control limits indicating a high bias. Since the analyte result was ND, this exceedance does not adversely impact data usability.

VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		NA	100	4/17/2008 11:30:00 PM
Acrylonitrile	ND	µg/L		NA	200	4/17/2008 11:30:00 PM
Benzene	ND	µg/L		NA	1.0	4/17/2008 11:30:00 PM
Bromochloromethane	ND	µg/L		NA	3.0	4/17/2008 11:30:00 PM
Bromodichloromethane	ND	µg/L		NA	1.0	4/17/2008 11:30:00 PM
Bromoform	ND	µg/L		NA	3.0	4/17/2008 11:30:00 PM
Bromomethane	ND	µg/L		NA	10.0	4/17/2008 11:30:00 PM
2-Butanone	ND	µg/L		NA	100	4/17/2008 11:30:00 PM
Carbon disulfide	ND	µg/L		NA	100	4/17/2008 11:30:00 PM
Carbon tetrachloride	ND	µg/L		NA	1.0	4/17/2008 11:30:00 PM
Chlorobenzene	ND	µg/L		NA	3.0	4/17/2008 11:30:00 PM
Chloroethane	ND	µg/L		NA	10.0	4/17/2008 11:30:00 PM
Chloroform	ND	µg/L		NA	5.0	4/17/2008 11:30:00 PM
Chloromethane	ND	µg/L		NA	1.0	4/17/2008 11:30:00 PM
Dibromochloromethane	ND	µg/L		NA	1.0	4/17/2008 11:30:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		NA	1.0	4/17/2008 11:30:00 PM
1,2-Dibromoethane	ND	µg/L		NA	1.0	4/17/2008 11:30:00 PM
Dibromomethane	ND	µg/L		NA	10.0	4/17/2008 11:30:00 PM

Key:

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

REI Consultants, Inc. Analytical Results

Date: *02-May-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0804B17
Client Sample ID:	SPRING B	**Lab ID:**	0804B17-15A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	4/14/2008 2:40:00 PM
Site ID:	OLD HIGHLANDS NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
1,2-Dichlorobenzene	ND	µg/L		NA	5.0	4/17/2008 11:30:00 PM
1,4-Dichlorobenzene	ND	µg/L		NA	1.0	4/17/2008 11:30:00 PM
trans-1,4-Dichloro-2-butene	ND	µg/L		NA	100	4/17/2008 11:30:00 PM
1,1-Dichloroethane	ND	µg/L		NA	5.0	4/17/2008 11:30:00 PM
1,2-Dichloroethane	ND	µg/L		NA	1.0	4/17/2008 11:30:00 PM
1,1-Dichloroethene	ND	µg/L		NA	5.0	4/17/2008 11:30:00 PM
cis-1,2-Dichloroethene	ND	µg/L		NA	5.0	4/17/2008 11:30:00 PM
trans-1,2-Dichloroethene	ND	µg/L		NA	5.0	4/17/2008 11:30:00 PM
1,2-Dichloropropane	ND	µg/L		NA	1.0	4/17/2008 11:30:00 PM
cis-1,3-Dichloropropene	ND	µg/L		NA	1.0	4/17/2008 11:30:00 PM
trans-1,3-Dichloropropene	ND	µg/L		NA	1.0	4/17/2008 11:30:00 PM
Ethylbenzene	ND	µg/L		NA	1.0	4/17/2008 11:30:00 PM
2-Hexanone	ND	µg/L		NA	50.0	4/17/2008 11:30:00 PM
Iodomethane	ND	µg/L		NA	10.0	4/17/2008 11:30:00 PM
Methylene chloride	ND	µg/L		NA	1.0	4/17/2008 11:30:00 PM
4-Methyl-2-pentanone	ND	µg/L		NA	100	4/17/2008 11:30:00 PM
Styrene	ND	µg/L		NA	1.0	4/17/2008 11:30:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		NA	5.0	4/17/2008 11:30:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		NA	1.0	4/17/2008 11:30:00 PM
Tetrachloroethene	ND	µg/L		NA	1.0	4/17/2008 11:30:00 PM
Toluene	ND	µg/L		NA	1.0	4/17/2008 11:30:00 PM
1,1,1-Trichloroethane	ND	µg/L		NA	1.0	4/17/2008 11:30:00 PM
1,1,2-Trichloroethane	ND	µg/L		NA	5.0	4/17/2008 11:30:00 PM
Trichloroethene	ND	µg/L		NA	1.0	4/17/2008 11:30:00 PM
Trichlorofluoromethane	ND	µg/L		NA	1.0	4/17/2008 11:30:00 PM
1,2,3-Trichloropropane	ND	µg/L		NA	1.0	4/17/2008 11:30:00 PM
Vinyl acetate	ND	µg/L		NA	50.0	4/17/2008 11:30:00 PM
Vinyl chloride	ND	µg/L		NA	1.0	4/17/2008 11:30:00 PM
o-Xylene	ND	µg/L		NA	1.0	4/17/2008 11:30:00 PM
m,p-Xylene	ND	µg/L		NA	2.0	4/17/2008 11:30:00 PM
Surr: 1,2-Dichloroethane-d4	122	%REC	S		80-120	4/17/2008 11:30:00 PM
Surr: 4-Bromofluorobenzene	99.8	%REC			86-115	4/17/2008 11:30:00 PM
Surr: Dibromofluoromethane	111	%REC			80-120	4/17/2008 11:30:00 PM
Surr: Toluene-d8	94.9	%REC			88-110	4/17/2008 11:30:00 PM

Key:

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

REI Consultants, Inc. Analytical Results

Date: *02-May-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0804B17
Client Sample ID:	CHASTAIN SPRING	**Lab ID:**	0804B17-16A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	4/14/2008 3:10:00 PM
Site ID:	OLD HIGHLANDS NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DBB**
Antimony	ND	mg/L		NA	0.0060	4/30/2008 10:13:41 AM
Arsenic	ND	mg/L		NA	0.0100	4/30/2008 10:13:41 AM
Barium	ND	mg/L		NA	0.100	4/30/2008 10:13:41 AM
Beryllium	ND	mg/L		NA	0.0010	4/30/2008 10:13:41 AM
Cadmium	ND	mg/L		NA	0.0010	4/30/2008 10:13:41 AM
Chromium	ND	mg/L		NA	0.0100	4/30/2008 10:13:41 AM
Cobalt	ND	mg/L		NA	0.0100	4/30/2008 10:13:41 AM
Copper	ND	mg/L		NA	0.0100	4/30/2008 10:13:41 AM
Lead	ND	mg/L		NA	0.0100	4/30/2008 10:13:41 AM
Nickel	ND	mg/L		NA	0.0500	4/30/2008 10:13:41 AM
Selenium	ND	mg/L		NA	0.0100	4/30/2008 10:13:41 AM
Silver	ND	mg/L		NA	0.0100	4/30/2008 10:13:41 AM
Thallium	ND	mg/L		NA	0.0050	4/30/2008 10:13:41 AM
Vanadium	ND	mg/L		NA	0.0200	4/30/2008 10:13:41 AM
Zinc	ND	mg/L		NA	0.0100	4/30/2008 10:13:41 AM

NOTES:
The CCV for Be exceeded REIC control limits indicating a high bias. Since the analyte result was ND, this exceedance does not adversely impact data usability.

VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		NA	100	4/18/2008 12:03:00 AM
Acrylonitrile	ND	µg/L		NA	200	4/18/2008 12:03:00 AM
Benzene	ND	µg/L		NA	1.0	4/18/2008 12:03:00 AM
Bromochloromethane	ND	µg/L		NA	3.0	4/18/2008 12:03:00 AM
Bromodichloromethane	ND	µg/L		NA	1.0	4/18/2008 12:03:00 AM
Bromoform	ND	µg/L		NA	3.0	4/18/2008 12:03:00 AM
Bromomethane	ND	µg/L		NA	10.0	4/18/2008 12:03:00 AM
2-Butanone	ND	µg/L		NA	100	4/18/2008 12:03:00 AM
Carbon disulfide	ND	µg/L		NA	100	4/18/2008 12:03:00 AM
Carbon tetrachloride	ND	µg/L		NA	1.0	4/18/2008 12:03:00 AM
Chlorobenzene	ND	µg/L		NA	3.0	4/18/2008 12:03:00 AM
Chloroethane	ND	µg/L		NA	10.0	4/18/2008 12:03:00 AM
Chloroform	ND	µg/L		NA	5.0	4/18/2008 12:03:00 AM
Chloromethane	ND	µg/L		NA	1.0	4/18/2008 12:03:00 AM
Dibromochloromethane	ND	µg/L		NA	1.0	4/18/2008 12:03:00 AM
1,2-Dibromo-3-chloropropane	ND	µg/L		NA	1.0	4/18/2008 12:03:00 AM
1,2-Dibromoethane	ND	µg/L		NA	1.0	4/18/2008 12:03:00 AM
Dibromomethane	ND	µg/L		NA	10.0	4/18/2008 12:03:00 AM

Key:

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

REI Consultants, Inc. Analytical Results

Date: *02-May-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0804B17
Client Sample ID:	CHASTAIN SPRING	**Lab ID:**	0804B17-16A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	4/14/2008 3:10:00 PM
Site ID:	OLD HIGHLANDS NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
1,2-Dichlorobenzene	ND	µg/L		NA	5.0	4/18/2008 12:03:00 AM
1,4-Dichlorobenzene	ND	µg/L		NA	1.0	4/18/2008 12:03:00 AM
trans-1,4-Dichloro-2-butene	ND	µg/L		NA	100	4/18/2008 12:03:00 AM
1,1-Dichloroethane	ND	µg/L		NA	5.0	4/18/2008 12:03:00 AM
1,2-Dichloroethane	ND	µg/L		NA	1.0	4/18/2008 12:03:00 AM
1,1-Dichloroethene	ND	µg/L		NA	5.0	4/18/2008 12:03:00 AM
cis-1,2-Dichloroethene	ND	µg/L		NA	5.0	4/18/2008 12:03:00 AM
trans-1,2-Dichloroethene	ND	µg/L		NA	5.0	4/18/2008 12:03:00 AM
1,2-Dichloropropane	ND	µg/L		NA	1.0	4/18/2008 12:03:00 AM
cis-1,3-Dichloropropene	ND	µg/L		NA	1.0	4/18/2008 12:03:00 AM
trans-1,3-Dichloropropene	ND	µg/L		NA	1.0	4/18/2008 12:03:00 AM
Ethylbenzene	ND	µg/L		NA	1.0	4/18/2008 12:03:00 AM
2-Hexanone	ND	µg/L		NA	50.0	4/18/2008 12:03:00 AM
Iodomethane	ND	µg/L		NA	10.0	4/18/2008 12:03:00 AM
Methylene chloride	ND	µg/L		NA	1.0	4/18/2008 12:03:00 AM
4-Methyl-2-pentanone	ND	µg/L		NA	100	4/18/2008 12:03:00 AM
Styrene	ND	µg/L		NA	1.0	4/18/2008 12:03:00 AM
1,1,1,2-Tetrachloroethane	ND	µg/L		NA	5.0	4/18/2008 12:03:00 AM
1,1,2,2-Tetrachloroethane	ND	µg/L		NA	1.0	4/18/2008 12:03:00 AM
Tetrachloroethene	ND	µg/L		NA	1.0	4/18/2008 12:03:00 AM
Toluene	ND	µg/L		NA	1.0	4/18/2008 12:03:00 AM
1,1,1-Trichloroethane	ND	µg/L		NA	1.0	4/18/2008 12:03:00 AM
1,1,2-Trichloroethane	ND	µg/L		NA	5.0	4/18/2008 12:03:00 AM
Trichloroethene	ND	µg/L		NA	1.0	4/18/2008 12:03:00 AM
Trichlorofluoromethane	ND	µg/L		NA	1.0	4/18/2008 12:03:00 AM
1,2,3-Trichloropropane	ND	µg/L		NA	1.0	4/18/2008 12:03:00 AM
Vinyl acetate	ND	µg/L		NA	50.0	4/18/2008 12:03:00 AM
Vinyl chloride	ND	µg/L		NA	1.0	4/18/2008 12:03:00 AM
o-Xylene	ND	µg/L		NA	1.0	4/18/2008 12:03:00 AM
m,p-Xylene	ND	µg/L		NA	2.0	4/18/2008 12:03:00 AM
Surr: 1,2-Dichloroethane-d4	123	%REC	S		80-120	4/18/2008 12:03:00 AM
Surr: 4-Bromofluorobenzene	98.9	%REC			86-115	4/18/2008 12:03:00 AM
Surr: Dibromofluoromethane	110	%REC			80-120	4/18/2008 12:03:00 AM
Surr: Toluene-d8	94.3	%REC			88-110	4/18/2008 12:03:00 AM

Key:

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

REI Consultants, Inc. Analytical Results

Date: *02-May-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0804B17
Client Sample ID:	CHASTAIN WELL	**Lab ID:**	0804B17-17A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	4/14/2008 3:25:00 PM
Site ID:	OLD HIGHLANDS NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DBB**
Antimony	ND	mg/L		NA	0.0060	4/30/2008 10:19:33 AM
Arsenic	ND	mg/L		NA	0.0100	4/30/2008 10:19:33 AM
Barium	ND	mg/L		NA	0.100	4/30/2008 10:19:33 AM
Beryllium	ND	mg/L		NA	0.0010	4/30/2008 10:19:33 AM
Cadmium	ND	mg/L		NA	0.0010	4/30/2008 10:19:33 AM
Chromium	ND	mg/L		NA	0.0100	4/30/2008 10:19:33 AM
Cobalt	ND	mg/L		NA	0.0100	4/30/2008 10:19:33 AM
Copper	0.316	mg/L		NA	0.0100	4/30/2008 10:19:33 AM
Lead	ND	mg/L		NA	0.0100	4/30/2008 10:19:33 AM
Nickel	ND	mg/L		NA	0.0500	4/30/2008 10:19:33 AM
Selenium	ND	mg/L		NA	0.0100	4/30/2008 10:19:33 AM
Silver	ND	mg/L		NA	0.0100	4/30/2008 10:19:33 AM
Thallium	ND	mg/L		NA	0.0050	4/30/2008 10:19:33 AM
Vanadium	ND	mg/L		NA	0.0200	4/30/2008 10:19:33 AM
Zinc	ND	mg/L		NA	0.0100	4/30/2008 10:19:33 AM

NOTES:
The CCV for Be exceeded REIC control limits indicating a high bias. Since the analyte result was ND, this exceedance does not adversely impact data usability.

VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		NA	100	4/18/2008 12:36:00 AM
Acrylonitrile	ND	µg/L		NA	200	4/18/2008 12:36:00 AM
Benzene	ND	µg/L		NA	1.0	4/18/2008 12:36:00 AM
Bromochloromethane	ND	µg/L		NA	3.0	4/18/2008 12:36:00 AM
Bromodichloromethane	ND	µg/L		NA	1.0	4/18/2008 12:36:00 AM
Bromoform	ND	µg/L		NA	3.0	4/18/2008 12:36:00 AM
Bromomethane	ND	µg/L		NA	10.0	4/18/2008 12:36:00 AM
2-Butanone	ND	µg/L		NA	100	4/18/2008 12:36:00 AM
Carbon disulfide	ND	µg/L		NA	100	4/18/2008 12:36:00 AM
Carbon tetrachloride	ND	µg/L		NA	1.0	4/18/2008 12:36:00 AM
Chlorobenzene	ND	µg/L		NA	3.0	4/18/2008 12:36:00 AM
Chloroethane	ND	µg/L		NA	10.0	4/18/2008 12:36:00 AM
Chloroform	ND	µg/L		NA	5.0	4/18/2008 12:36:00 AM
Chloromethane	ND	µg/L		NA	1.0	4/18/2008 12:36:00 AM
Dibromochloromethane	ND	µg/L		NA	1.0	4/18/2008 12:36:00 AM
1,2-Dibromo-3-chloropropane	ND	µg/L		NA	1.0	4/18/2008 12:36:00 AM
1,2-Dibromoethane	ND	µg/L		NA	1.0	4/18/2008 12:36:00 AM
Dibromomethane	ND	µg/L		NA	10.0	4/18/2008 12:36:00 AM

Key:

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

REI Consultants, Inc. Analytical Results

Date: *02-May-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0804B17
Client Sample ID:	CHASTAIN WELL	**Lab ID:**	0804B17-17A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	4/14/2008 3:25:00 PM
Site ID:	OLD HIGHLANDS NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
1,2-Dichlorobenzene	ND	µg/L		NA	5.0	4/18/2008 12:36:00 AM
1,4-Dichlorobenzene	ND	µg/L		NA	1.0	4/18/2008 12:36:00 AM
trans-1,4-Dichloro-2-butene	ND	µg/L		NA	100	4/18/2008 12:36:00 AM
1,1-Dichloroethane	ND	µg/L		NA	5.0	4/18/2008 12:36:00 AM
1,2-Dichloroethane	ND	µg/L		NA	1.0	4/18/2008 12:36:00 AM
1,1-Dichloroethene	ND	µg/L		NA	5.0	4/18/2008 12:36:00 AM
cis-1,2-Dichloroethene	ND	µg/L		NA	5.0	4/18/2008 12:36:00 AM
trans-1,2-Dichloroethene	ND	µg/L		NA	5.0	4/18/2008 12:36:00 AM
1,2-Dichloropropane	ND	µg/L		NA	1.0	4/18/2008 12:36:00 AM
cis-1,3-Dichloropropene	ND	µg/L		NA	1.0	4/18/2008 12:36:00 AM
trans-1,3-Dichloropropene	ND	µg/L		NA	1.0	4/18/2008 12:36:00 AM
Ethylbenzene	ND	µg/L		NA	1.0	4/18/2008 12:36:00 AM
2-Hexanone	ND	µg/L		NA	50.0	4/18/2008 12:36:00 AM
Iodomethane	ND	µg/L		NA	10.0	4/18/2008 12:36:00 AM
Methylene chloride	ND	µg/L		NA	1.0	4/18/2008 12:36:00 AM
4-Methyl-2-pentanone	ND	µg/L		NA	100	4/18/2008 12:36:00 AM
Styrene	ND	µg/L		NA	1.0	4/18/2008 12:36:00 AM
1,1,1,2-Tetrachloroethane	ND	µg/L		NA	5.0	4/18/2008 12:36:00 AM
1,1,2,2-Tetrachloroethane	ND	µg/L		NA	1.0	4/18/2008 12:36:00 AM
Tetrachloroethene	ND	µg/L		NA	1.0	4/18/2008 12:36:00 AM
Toluene	ND	µg/L		NA	1.0	4/18/2008 12:36:00 AM
1,1,1-Trichloroethane	ND	µg/L		NA	1.0	4/18/2008 12:36:00 AM
1,1,2-Trichloroethane	ND	µg/L		NA	5.0	4/18/2008 12:36:00 AM
Trichloroethene	ND	µg/L		NA	1.0	4/18/2008 12:36:00 AM
Trichlorofluoromethane	ND	µg/L		NA	1.0	4/18/2008 12:36:00 AM
1,2,3-Trichloropropane	ND	µg/L		NA	1.0	4/18/2008 12:36:00 AM
Vinyl acetate	ND	µg/L		NA	50.0	4/18/2008 12:36:00 AM
Vinyl chloride	ND	µg/L		NA	1.0	4/18/2008 12:36:00 AM
o-Xylene	ND	µg/L		NA	1.0	4/18/2008 12:36:00 AM
m,p-Xylene	ND	µg/L		NA	2.0	4/18/2008 12:36:00 AM
Surr: 1,2-Dichloroethane-d4	123	%REC	S		80-120	4/18/2008 12:36:00 AM
Surr: 4-Bromofluorobenzene	97.7	%REC			86-115	4/18/2008 12:36:00 AM
Surr: Dibromofluoromethane	110	%REC			80-120	4/18/2008 12:36:00 AM
Surr: Toluene-d8	93.3	%REC			88-110	4/18/2008 12:36:00 AM

Key:

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

REI Consultants, Inc. Analytical Results

Date: *02-May-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0804B17
Client Sample ID:	MCCALL WELL	**Lab ID:**	0804B17-18A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	4/14/2008 3:40:00 PM
Site ID:	OLD HIGHLANDS NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DBB**
Antimony	ND	mg/L		NA	0.0060	4/30/2008 10:42:54 AM
Arsenic	ND	mg/L		NA	0.0100	4/30/2008 10:42:54 AM
Barium	ND	mg/L		NA	0.100	4/30/2008 10:42:54 AM
Beryllium	ND	mg/L		NA	0.0010	4/30/2008 10:42:54 AM
Cadmium	ND	mg/L		NA	0.0010	4/30/2008 10:42:54 AM
Chromium	ND	mg/L		NA	0.0100	4/30/2008 10:42:54 AM
Cobalt	ND	mg/L		NA	0.0100	4/30/2008 10:42:54 AM
Copper	0.0626	mg/L		NA	0.0100	4/30/2008 10:42:54 AM
Lead	ND	mg/L		NA	0.0100	4/30/2008 10:42:54 AM
Nickel	ND	mg/L		NA	0.0500	4/30/2008 10:42:54 AM
Selenium	ND	mg/L		NA	0.0100	4/30/2008 10:42:54 AM
Silver	ND	mg/L		NA	0.0100	4/30/2008 10:42:54 AM
Thallium	ND	mg/L		NA	0.0050	4/30/2008 10:42:54 AM
Vanadium	ND	mg/L		NA	0.0200	4/30/2008 10:42:54 AM
Zinc	0.0973	mg/L		NA	0.0100	4/30/2008 10:42:54 AM

NOTES:
The CCV for Be exceeded REIC control limits indicating a high bias. Since the analyte result was ND, this exceedance does not adversely impact data usability.

VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		NA	100	4/18/2008 1:09:00 AM
Acrylonitrile	ND	µg/L		NA	200	4/18/2008 1:09:00 AM
Benzene	ND	µg/L		NA	1.0	4/18/2008 1:09:00 AM
Bromochloromethane	ND	µg/L		NA	3.0	4/18/2008 1:09:00 AM
Bromodichloromethane	ND	µg/L		NA	1.0	4/18/2008 1:09:00 AM
Bromoform	ND	µg/L		NA	3.0	4/18/2008 1:09:00 AM
Bromomethane	ND	µg/L		NA	10.0	4/18/2008 1:09:00 AM
2-Butanone	ND	µg/L		NA	100	4/18/2008 1:09:00 AM
Carbon disulfide	ND	µg/L		NA	100	4/18/2008 1:09:00 AM
Carbon tetrachloride	ND	µg/L		NA	1.0	4/18/2008 1:09:00 AM
Chlorobenzene	ND	µg/L		NA	3.0	4/18/2008 1:09:00 AM
Chloroethane	ND	µg/L		NA	10.0	4/18/2008 1:09:00 AM
Chloroform	ND	µg/L		NA	5.0	4/18/2008 1:09:00 AM
Chloromethane	ND	µg/L		NA	1.0	4/18/2008 1:09:00 AM
Dibromochloromethane	ND	µg/L		NA	1.0	4/18/2008 1:09:00 AM
1,2-Dibromo-3-chloropropane	ND	µg/L		NA	1.0	4/18/2008 1:09:00 AM
1,2-Dibromoethane	ND	µg/L		NA	1.0	4/18/2008 1:09:00 AM
Dibromomethane	ND	µg/L		NA	10.0	4/18/2008 1:09:00 AM

Key:

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

REI Consultants, Inc. Analytical Results

Date: *02-May-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0804B17
Client Sample ID:	MCCALL WELL	**Lab ID:**	0804B17-18A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	4/14/2008 3:40:00 PM
Site ID:	OLD HIGHLANDS NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
1,2-Dichlorobenzene	ND	µg/L		NA	5.0	4/18/2008 1:09:00 AM
1,4-Dichlorobenzene	ND	µg/L		NA	1.0	4/18/2008 1:09:00 AM
trans-1,4-Dichloro-2-butene	ND	µg/L		NA	100	4/18/2008 1:09:00 AM
1,1-Dichloroethane	ND	µg/L		NA	5.0	4/18/2008 1:09:00 AM
1,2-Dichloroethane	ND	µg/L		NA	1.0	4/18/2008 1:09:00 AM
1,1-Dichloroethene	ND	µg/L		NA	5.0	4/18/2008 1:09:00 AM
cis-1,2-Dichloroethene	ND	µg/L		NA	5.0	4/18/2008 1:09:00 AM
trans-1,2-Dichloroethene	ND	µg/L		NA	5.0	4/18/2008 1:09:00 AM
1,2-Dichloropropane	ND	µg/L		NA	1.0	4/18/2008 1:09:00 AM
cis-1,3-Dichloropropene	ND	µg/L		NA	1.0	4/18/2008 1:09:00 AM
trans-1,3-Dichloropropene	ND	µg/L		NA	1.0	4/18/2008 1:09:00 AM
Ethylbenzene	ND	µg/L		NA	1.0	4/18/2008 1:09:00 AM
2-Hexanone	ND	µg/L		NA	50.0	4/18/2008 1:09:00 AM
Iodomethane	ND	µg/L		NA	10.0	4/18/2008 1:09:00 AM
Methylene chloride	ND	µg/L		NA	1.0	4/18/2008 1:09:00 AM
4-Methyl-2-pentanone	ND	µg/L		NA	100	4/18/2008 1:09:00 AM
Styrene	ND	µg/L		NA	1.0	4/18/2008 1:09:00 AM
1,1,1,2-Tetrachloroethane	ND	µg/L		NA	5.0	4/18/2008 1:09:00 AM
1,1,2,2-Tetrachloroethane	ND	µg/L		NA	1.0	4/18/2008 1:09:00 AM
Tetrachloroethene	ND	µg/L		NA	1.0	4/18/2008 1:09:00 AM
Toluene	ND	µg/L		NA	1.0	4/18/2008 1:09:00 AM
1,1,1-Trichloroethane	ND	µg/L		NA	1.0	4/18/2008 1:09:00 AM
1,1,2-Trichloroethane	ND	µg/L		NA	5.0	4/18/2008 1:09:00 AM
Trichloroethene	ND	µg/L		NA	1.0	4/18/2008 1:09:00 AM
Trichlorofluoromethane	ND	µg/L		NA	1.0	4/18/2008 1:09:00 AM
1,2,3-Trichloropropane	ND	µg/L		NA	1.0	4/18/2008 1:09:00 AM
Vinyl acetate	ND	µg/L		NA	50.0	4/18/2008 1:09:00 AM
Vinyl chloride	ND	µg/L		NA	1.0	4/18/2008 1:09:00 AM
o-Xylene	ND	µg/L		NA	1.0	4/18/2008 1:09:00 AM
m,p-Xylene	ND	µg/L		NA	2.0	4/18/2008 1:09:00 AM
Surr: 1,2-Dichloroethane-d4	125	%REC	S		80-120	4/18/2008 1:09:00 AM
Surr: 4-Bromofluorobenzene	100	%REC			86-115	4/18/2008 1:09:00 AM
Surr: Dibromofluoromethane	112	%REC			80-120	4/18/2008 1:09:00 AM
Surr: Toluene-d8	93.9	%REC			88-110	4/18/2008 1:09:00 AM

Key:

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

REI Consultants, Inc. Analytical Results

Date: *02-May-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0804B17
Client Sample ID:	MCCALL WELL DUP	**Lab ID:**	0804B17-19A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	4/14/2008 3:40:00 PM
Site ID:	OLD HIGHLANDS NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DBB**
Antimony	ND	mg/L		NA	0.0060	4/30/2008 10:48:43 AM
Arsenic	ND	mg/L		NA	0.0100	4/30/2008 10:48:43 AM
Barium	ND	mg/L		NA	0.100	4/30/2008 10:48:43 AM
Beryllium	ND	mg/L		NA	0.0010	4/30/2008 10:48:43 AM
Cadmium	ND	mg/L		NA	0.0010	4/30/2008 10:48:43 AM
Chromium	ND	mg/L		NA	0.0100	4/30/2008 10:48:43 AM
Cobalt	ND	mg/L		NA	0.0100	4/30/2008 10:48:43 AM
Copper	0.0363	mg/L		NA	0.0100	4/30/2008 10:48:43 AM
Lead	ND	mg/L		NA	0.0100	4/30/2008 10:48:43 AM
Nickel	ND	mg/L		NA	0.0500	4/30/2008 10:48:43 AM
Selenium	ND	mg/L		NA	0.0100	4/30/2008 10:48:43 AM
Silver	ND	mg/L		NA	0.0100	4/30/2008 10:48:43 AM
Thallium	ND	mg/L		NA	0.0050	4/30/2008 10:48:43 AM
Vanadium	ND	mg/L		NA	0.0200	4/30/2008 10:48:43 AM
Zinc	0.0680	mg/L		NA	0.0100	4/30/2008 10:48:43 AM

NOTES:

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

The CCV for Be exceeded REIC control limits indicating a high bias. Since the analyte result was ND, this exceedance does not adversely impact data usability.

VOLATILE ORGANIC COMPOUNDS			SW8260B			Analyst: **AS**
Acetone	ND	µg/L		NA	100	4/18/2008 1:42:00 AM
Acrylonitrile	ND	µg/L		NA	200	4/18/2008 1:42:00 AM
Benzene	ND	µg/L		NA	1.0	4/18/2008 1:42:00 AM
Bromochloromethane	ND	µg/L		NA	3.0	4/18/2008 1:42:00 AM
Bromodichloromethane	ND	µg/L		NA	1.0	4/18/2008 1:42:00 AM
Bromoform	ND	µg/L		NA	3.0	4/18/2008 1:42:00 AM
Bromomethane	ND	µg/L		NA	10.0	4/18/2008 1:42:00 AM
2-Butanone	ND	µg/L		NA	100	4/18/2008 1:42:00 AM
Carbon disulfide	ND	µg/L		NA	100	4/18/2008 1:42:00 AM
Carbon tetrachloride	ND	µg/L		NA	1.0	4/18/2008 1:42:00 AM
Chlorobenzene	ND	µg/L		NA	3.0	4/18/2008 1:42:00 AM
Chloroethane	ND	µg/L		NA	10.0	4/18/2008 1:42:00 AM
Chloroform	ND	µg/L		NA	5.0	4/18/2008 1:42:00 AM
Chloromethane	ND	µg/L		NA	1.0	4/18/2008 1:42:00 AM
Dibromochloromethane	ND	µg/L		NA	1.0	4/18/2008 1:42:00 AM
1,2-Dibromo-3-chloropropane	ND	µg/L		NA	1.0	4/18/2008 1:42:00 AM
1,2-Dibromoethane	ND	µg/L		NA	1.0	4/18/2008 1:42:00 AM

Key:

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

REI Consultants, Inc. Analytical Results

Date: *02-May-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0804B17
Client Sample ID:	MCCALL WELL DUP	**Lab ID:**	0804B17-19A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	4/14/2008 3:40:00 PM
Site ID:	OLD HIGHLANDS NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Dibromomethane	ND	µg/L		NA	10.0	4/18/2008 1:42:00 AM
1,2-Dichlorobenzene	ND	µg/L		NA	5.0	4/18/2008 1:42:00 AM
1,4-Dichlorobenzene	ND	µg/L		NA	1.0	4/18/2008 1:42:00 AM
trans-1,4-Dichloro-2-butene	ND	µg/L		NA	100	4/18/2008 1:42:00 AM
1,1-Dichloroethane	ND	µg/L		NA	5.0	4/18/2008 1:42:00 AM
1,2-Dichloroethane	ND	µg/L		NA	1.0	4/18/2008 1:42:00 AM
1,1-Dichloroethene	ND	µg/L		NA	5.0	4/18/2008 1:42:00 AM
cis-1,2-Dichloroethene	ND	µg/L		NA	5.0	4/18/2008 1:42:00 AM
trans-1,2-Dichloroethene	ND	µg/L		NA	5.0	4/18/2008 1:42:00 AM
1,2-Dichloropropane	ND	µg/L		NA	1.0	4/18/2008 1:42:00 AM
cis-1,3-Dichloropropene	ND	µg/L		NA	1.0	4/18/2008 1:42:00 AM
trans-1,3-Dichloropropene	ND	µg/L		NA	1.0	4/18/2008 1:42:00 AM
Ethylbenzene	ND	µg/L		NA	1.0	4/18/2008 1:42:00 AM
2-Hexanone	ND	µg/L		NA	50.0	4/18/2008 1:42:00 AM
Iodomethane	ND	µg/L		NA	10.0	4/18/2008 1:42:00 AM
Methylene chloride	ND	µg/L		NA	1.0	4/18/2008 1:42:00 AM
4-Methyl-2-pentanone	ND	µg/L		NA	100	4/18/2008 1:42:00 AM
Styrene	ND	µg/L		NA	1.0	4/18/2008 1:42:00 AM
1,1,1,2-Tetrachloroethane	ND	µg/L		NA	5.0	4/18/2008 1:42:00 AM
1,1,2,2-Tetrachloroethane	ND	µg/L		NA	1.0	4/18/2008 1:42:00 AM
Tetrachloroethene	ND	µg/L		NA	1.0	4/18/2008 1:42:00 AM
Toluene	ND	µg/L		NA	1.0	4/18/2008 1:42:00 AM
1,1,1-Trichloroethane	ND	µg/L		NA	1.0	4/18/2008 1:42:00 AM
1,1,2-Trichloroethane	ND	µg/L		NA	5.0	4/18/2008 1:42:00 AM
Trichloroethene	ND	µg/L		NA	1.0	4/18/2008 1:42:00 AM
Trichlorofluoromethane	ND	µg/L		NA	1.0	4/18/2008 1:42:00 AM
1,2,3-Trichloropropane	ND	µg/L		NA	1.0	4/18/2008 1:42:00 AM
Vinyl acetate	ND	µg/L		NA	50.0	4/18/2008 1:42:00 AM
Vinyl chloride	ND	µg/L		NA	1.0	4/18/2008 1:42:00 AM
o-Xylene	ND	µg/L		NA	1.0	4/18/2008 1:42:00 AM
m,p-Xylene	ND	µg/L		NA	2.0	4/18/2008 1:42:00 AM
Surr: 1,2-Dichloroethane-d4	126	%REC	S		80-120	4/18/2008 1:42:00 AM
Surr: 4-Bromofluorobenzene	98.3	%REC			86-115	4/18/2008 1:42:00 AM
Surr: Dibromofluoromethane	112	%REC			80-120	4/18/2008 1:42:00 AM
Surr: Toluene-d8	94.1	%REC			88-110	4/18/2008 1:42:00 AM

Key:

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

REI Consultants, Inc. Analytical Results

Date: *02-May-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0804B17
Client Sample ID:	MW-2 DUP	**Lab ID:**	0804B17-20A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	4/14/2008 11:15:00 AM
Site ID:	OLD HIGHLANDS NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DBB**
Antimony	ND	mg/L		NA	0.0060	4/30/2008 11:06:14 AM
Arsenic	ND	mg/L		NA	0.0100	4/30/2008 11:06:14 AM
Barium	ND	mg/L		NA	0.100	4/30/2008 11:06:14 AM
Beryllium	ND	mg/L		NA	0.0010	4/30/2008 11:06:14 AM
Cadmium	ND	mg/L		NA	0.0010	4/30/2008 11:06:14 AM
Chromium	ND	mg/L		NA	0.0100	4/30/2008 11:06:14 AM
Cobalt	0.0140	mg/L		NA	0.0100	4/30/2008 11:06:14 AM
Copper	ND	mg/L		NA	0.0100	4/30/2008 11:06:14 AM
Lead	ND	mg/L		NA	0.0100	4/30/2008 11:06:14 AM
Nickel	ND	mg/L		NA	0.0500	4/30/2008 11:06:14 AM
Selenium	ND	mg/L		NA	0.0100	4/30/2008 11:06:14 AM
Silver	ND	mg/L		NA	0.0100	4/30/2008 11:06:14 AM
Thallium	ND	mg/L		NA	0.0050	4/30/2008 11:06:14 AM
Vanadium	ND	mg/L		NA	0.0200	4/30/2008 11:06:14 AM
Zinc	0.0151	mg/L		NA	0.0100	4/30/2008 11:06:14 AM

NOTES:

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

The CCV for Be exceeded REIC control limits indicating a high bias. Since the analyte result was ND, this exceedance does not adversely impact data usability.

VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		NA	100	4/18/2008 8:51:00 AM
Acrylonitrile	ND	µg/L		NA	200	4/18/2008 8:51:00 AM
Benzene	ND	µg/L		NA	1.0	4/18/2008 8:51:00 AM
Bromochloromethane	ND	µg/L		NA	3.0	4/18/2008 8:51:00 AM
Bromodichloromethane	ND	µg/L		NA	1.0	4/18/2008 8:51:00 AM
Bromoform	ND	µg/L		NA	3.0	4/18/2008 8:51:00 AM
Bromomethane	ND	µg/L		NA	10.0	4/18/2008 8:51:00 AM
2-Butanone	ND	µg/L		NA	100	4/18/2008 8:51:00 AM
Carbon disulfide	ND	µg/L		NA	100	4/18/2008 8:51:00 AM
Carbon tetrachloride	ND	µg/L		NA	1.0	4/18/2008 8:51:00 AM
Chlorobenzene	ND	µg/L		NA	3.0	4/18/2008 8:51:00 AM
Chloroethane	ND	µg/L		NA	10.0	4/18/2008 8:51:00 AM
Chloroform	ND	µg/L		NA	5.0	4/18/2008 8:51:00 AM
Chloromethane	ND	µg/L		NA	1.0	4/18/2008 8:51:00 AM
Dibromochloromethane	ND	µg/L		NA	1.0	4/18/2008 8:51:00 AM
1,2-Dibromo-3-chloropropane	ND	µg/L		NA	1.0	4/18/2008 8:51:00 AM
1,2-Dibromoethane	ND	µg/L		NA	1.0	4/18/2008 8:51:00 AM

Key:

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

REI Consultants, Inc. Analytical Results

Date: *02-May-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0804B17
Client Sample ID:	MW-2 DUP	**Lab ID:**	0804B17-20A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	4/14/2008 11:15:00 AM
Site ID:	OLD HIGHLANDS NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Dibromomethane	ND	µg/L		NA	10.0	4/18/2008 8:51:00 AM
1,2-Dichlorobenzene	ND	µg/L		NA	5.0	4/18/2008 8:51:00 AM
1,4-Dichlorobenzene	ND	µg/L		NA	1.0	4/18/2008 8:51:00 AM
trans-1,4-Dichloro-2-butene	ND	µg/L		NA	100	4/18/2008 8:51:00 AM
1,1-Dichloroethane	ND	µg/L		NA	5.0	4/18/2008 8:51:00 AM
1,2-Dichloroethane	ND	µg/L		NA	1.0	4/18/2008 8:51:00 AM
1,1-Dichloroethene	ND	µg/L		NA	5.0	4/18/2008 8:51:00 AM
cis-1,2-Dichloroethene	ND	µg/L		NA	5.0	4/18/2008 8:51:00 AM
trans-1,2-Dichloroethene	ND	µg/L		NA	5.0	4/18/2008 8:51:00 AM
1,2-Dichloropropane	ND	µg/L		NA	1.0	4/18/2008 8:51:00 AM
cis-1,3-Dichloropropene	ND	µg/L		NA	1.0	4/18/2008 8:51:00 AM
trans-1,3-Dichloropropene	ND	µg/L		NA	1.0	4/18/2008 8:51:00 AM
Ethylbenzene	ND	µg/L		NA	1.0	4/18/2008 8:51:00 AM
2-Hexanone	ND	µg/L		NA	50.0	4/18/2008 8:51:00 AM
Iodomethane	ND	µg/L		NA	10.0	4/18/2008 8:51:00 AM
Methylene chloride	ND	µg/L		NA	1.0	4/18/2008 8:51:00 AM
4-Methyl-2-pentanone	ND	µg/L		NA	100	4/18/2008 8:51:00 AM
Styrene	ND	µg/L		NA	1.0	4/18/2008 8:51:00 AM
1,1,1,2-Tetrachloroethane	ND	µg/L		NA	5.0	4/18/2008 8:51:00 AM
1,1,2,2-Tetrachloroethane	ND	µg/L		NA	1.0	4/18/2008 8:51:00 AM
Tetrachloroethene	ND	µg/L		NA	1.0	4/18/2008 8:51:00 AM
Toluene	ND	µg/L		NA	1.0	4/18/2008 8:51:00 AM
1,1,1-Trichloroethane	ND	µg/L		NA	1.0	4/18/2008 8:51:00 AM
1,1,2-Trichloroethane	ND	µg/L		NA	5.0	4/18/2008 8:51:00 AM
Trichloroethene	ND	µg/L		NA	1.0	4/18/2008 8:51:00 AM
Trichlorofluoromethane	ND	µg/L		NA	1.0	4/18/2008 8:51:00 AM
1,2,3-Trichloropropane	ND	µg/L		NA	1.0	4/18/2008 8:51:00 AM
Vinyl acetate	ND	µg/L		NA	50.0	4/18/2008 8:51:00 AM
Vinyl chloride	4.0	µg/L		NA	1.0	4/18/2008 8:51:00 AM
o-Xylene	ND	µg/L		NA	1.0	4/18/2008 8:51:00 AM
m,p-Xylene	ND	µg/L		NA	2.0	4/18/2008 8:51:00 AM
Surr: 1,2-Dichloroethane-d4	120	%REC			80-120	4/18/2008 8:51:00 AM
Surr: 4-Bromofluorobenzene	101	%REC			86-115	4/18/2008 8:51:00 AM
Surr: Dibromofluoromethane	111	%REC			80-120	4/18/2008 8:51:00 AM
Surr: Toluene-d8	94.9	%REC			88-110	4/18/2008 8:51:00 AM

Key:

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

REI Consultants, Inc. Analytical Results

Date: *02-May-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0804B17
Client Sample ID:	TRIP BLANK #4	**Lab ID:**	0804B17-21A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	4/14/2008
Site ID:	OLD HIGHLANDS NC	**Matrix:**	LIQUID

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		NA	100	4/23/2008 5:36:00 PM
Acrylonitrile	ND	µg/L		NA	200	4/23/2008 5:36:00 PM
Benzene	ND	µg/L		NA	1.0	4/23/2008 5:36:00 PM
Bromochloromethane	ND	µg/L		NA	3.0	4/23/2008 5:36:00 PM
Bromodichloromethane	ND	µg/L		NA	1.0	4/23/2008 5:36:00 PM
Bromoform	ND	µg/L		NA	3.0	4/23/2008 5:36:00 PM
Bromomethane	ND	µg/L		NA	10.0	4/23/2008 5:36:00 PM
2-Butanone	ND	µg/L		NA	100	4/23/2008 5:36:00 PM
Carbon disulfide	ND	µg/L		NA	100	4/23/2008 5:36:00 PM
Carbon tetrachloride	ND	µg/L		NA	1.0	4/23/2008 5:36:00 PM
Chlorobenzene	ND	µg/L		NA	3.0	4/23/2008 5:36:00 PM
Chloroethane	ND	µg/L		NA	10.0	4/23/2008 5:36:00 PM
Chloroform	ND	µg/L		NA	5.0	4/23/2008 5:36:00 PM
Chloromethane	ND	µg/L		NA	1.0	4/23/2008 5:36:00 PM
Dibromochloromethane	ND	µg/L		NA	1.0	4/23/2008 5:36:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		NA	1.0	4/23/2008 5:36:00 PM
1,2-Dibromoethane	ND	µg/L		NA	1.0	4/23/2008 5:36:00 PM
Dibromomethane	ND	µg/L		NA	10.0	4/23/2008 5:36:00 PM
1,2-Dichlorobenzene	ND	µg/L		NA	5.0	4/23/2008 5:36:00 PM
1,4-Dichlorobenzene	ND	µg/L		NA	1.0	4/23/2008 5:36:00 PM
trans-1,4-Dichloro-2-butene	ND	µg/L		NA	100	4/23/2008 5:36:00 PM
1,1-Dichloroethane	ND	µg/L		NA	5.0	4/23/2008 5:36:00 PM
1,2-Dichloroethane	ND	µg/L		NA	1.0	4/23/2008 5:36:00 PM
1,1-Dichloroethene	ND	µg/L		NA	5.0	4/23/2008 5:36:00 PM
cis-1,2-Dichloroethene	ND	µg/L		NA	5.0	4/23/2008 5:36:00 PM
trans-1,2-Dichloroethene	ND	µg/L		NA	5.0	4/23/2008 5:36:00 PM
1,2-Dichloropropane	ND	µg/L		NA	1.0	4/23/2008 5:36:00 PM
cis-1,3-Dichloropropene	ND	µg/L		NA	1.0	4/23/2008 5:36:00 PM
trans-1,3-Dichloropropene	ND	µg/L		NA	1.0	4/23/2008 5:36:00 PM
Ethylbenzene	ND	µg/L		NA	1.0	4/23/2008 5:36:00 PM
2-Hexanone	ND	µg/L		NA	50.0	4/23/2008 5:36:00 PM
Iodomethane	ND	µg/L		NA	10.0	4/23/2008 5:36:00 PM
Methylene chloride	ND	µg/L		NA	1.0	4/23/2008 5:36:00 PM
4-Methyl-2-pentanone	ND	µg/L		NA	100	4/23/2008 5:36:00 PM
Styrene	ND	µg/L		NA	1.0	4/23/2008 5:36:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		NA	5.0	4/23/2008 5:36:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		NA	1.0	4/23/2008 5:36:00 PM

Key:

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

REI Consultants, Inc. Analytical Results

Date: *02-May-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0804B17
Client Sample ID:	TRIP BLANK #4	**Lab ID:**	0804B17-21A
Project:	OLD HIGHLANDS LANDFILL	**Collection Date:**	4/14/2008
Site ID:	OLD HIGHLANDS NC	**Matrix:**	LIQUID

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Tetrachloroethene	ND	µg/L		NA	1.0	4/23/2008 5:36:00 PM
Toluene	ND	µg/L		NA	1.0	4/23/2008 5:36:00 PM
1,1,1-Trichloroethane	ND	µg/L		NA	1.0	4/23/2008 5:36:00 PM
1,1,2-Trichloroethane	ND	µg/L		NA	5.0	4/23/2008 5:36:00 PM
Trichloroethene	ND	µg/L		NA	1.0	4/23/2008 5:36:00 PM
Trichlorofluoromethane	ND	µg/L		NA	1.0	4/23/2008 5:36:00 PM
1,2,3-Trichloropropane	ND	µg/L		NA	1.0	4/23/2008 5:36:00 PM
Vinyl acetate	ND	µg/L		NA	50.0	4/23/2008 5:36:00 PM
Vinyl chloride	ND	µg/L		NA	1.0	4/23/2008 5:36:00 PM
o-Xylene	ND	µg/L		NA	1.0	4/23/2008 5:36:00 PM
m,p-Xylene	ND	µg/L		NA	2.0	4/23/2008 5:36:00 PM
Surr: 1,2-Dichloroethane-d4	120	%REC			80-120	4/23/2008 5:36:00 PM
Surr: 4-Bromofluorobenzene	98.4	%REC			86-115	4/23/2008 5:36:00 PM
Surr: Dibromofluoromethane	110	%REC			80-120	4/23/2008 5:36:00 PM
Surr: Toluene-d8	91.5	%REC			88-110	4/23/2008 5:36:00 PM

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

CHAIN OF CUSTODY RECORD NO. 239859

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 ~~Hiha~~ 4L Highlands N.C.
PROJECT ID: Old Highland Landfill
SAMPLER: Farley / McBride / Harrison

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 →

SAMPLE ID	NO. & TYPE OF CONTAINERS	SAMPLING DATE / TIME	MATRIX	SAMPLE COMP / GRAB	ANALYSIS REQUESTED & METHOD: N.C. Appendix I	ANALYSIS REQUESTED & METHOD: TSS	COMMENTS
MW-1	6	4-14-08 1153	H2O	Grab			Analyze Dis Metals
MW-2		1115					for Any Total Metal
MW-4		0818					Detections
MW-4A		0853					
MW-5A		1346					
MW-5		1338					
MW-5B		1410					
MW-5C		1352					
MW-6		1557					
MW-6A		1550					

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
A Farley	4-17-08 0900		4-17-08 800				
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Temperature Upon Arrival			
				2.5 °C	☐ FAX Results	☐ Email Results	

CHAIN OF CUSTODY RECORD NO. 239862

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 ~~Landf~~ N.C.
PROJECT ID: Old Highlands Landfill
SAMPLER: Farley / McBride / Harrison

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	COMMENTS
MW-6C	6	4-14-08 1607	H2O	Grab	Analyze Dis Metals
MW-7		1633			For Any Total Metal
MW-8		1047			Detections
Spring A		1020			
Spring B		1440			
Chastain Spring		1510			
Chastain Well		1525			
McCall Well		1540			
McCall Well Dup	18	1540			
MW-2 Dup	18	1115			

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
R Farley	4.17.08 0400		4-17-08 8190				
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Temperature Upon Arrival 2-5 °C	☐ FAX Results	☐ Email Results	

CHAIN OF CUSTODY RECORD NO. 239861

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 / Harrison

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 →

SAMPLE ID	NO. & TYPE OF CONTAINERS	SAMPLING DATE / TIME	MATRIX	SAMPLE COMP / GRAB	ANALYSIS REQUESTED & METHOD: N.C. Appendix I VOCs	COMMENTS
Trip Blank #4	2-VOA					

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
R Farley	4/20/08 0900		4-17-08 800				
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Temperature Upon Arrival 2.5 °C	☐ FAX Results	☐ Email Results	

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...

May 02, 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.: 0804B21

Dear Mr. Chris Stahl:

REI Consultants, Inc. received 6 sample(s) on 4/17/2008 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

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...

Report Narrative

Project Manager:: **Beth Johnson** Beth Johnson

WO#: **0804B21**
Date: **5/2/2008**

CLIENT: MACON COUNTY SOLID WASTE MAN
Project: HIGHLANDS C+D

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: *02-May-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0804B21
Client Sample ID:	MW-A	**Lab ID:**	0804B21-01A
Project:	HIGHLANDS C+D	**Collection Date:**	4/14/2008 9:37:00 AM
Site ID:	HIGHLAND 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	4/30/2008 5:27:21 PM
Arsenic	ND	mg/L		0.00200	0.0100	4/30/2008 5:27:21 PM
Barium	0.0125	mg/L	J	0.00100	0.100	4/30/2008 5:27:21 PM
Beryllium	ND	mg/L		0.00020	0.0010	4/30/2008 5:27:21 PM
Cadmium	ND	mg/L		0.00020	0.0010	4/30/2008 5:27:21 PM
Chromium	ND	mg/L		0.00100	0.0100	4/30/2008 5:27:21 PM
Cobalt	ND	mg/L		0.00100	0.0100	4/30/2008 5:27:21 PM
Copper	0.0018	mg/L	J	0.00100	0.0100	4/30/2008 5:27:21 PM
Lead	0.0003	mg/L	J	0.00020	0.0100	4/30/2008 5:27:21 PM
Nickel	ND	mg/L		0.00200	0.0500	4/30/2008 5:27:21 PM
Selenium	ND	mg/L		0.00300	0.0100	4/30/2008 5:27:21 PM
Silver	ND	mg/L		0.00100	0.0100	4/30/2008 5:27:21 PM
Thallium	ND	mg/L		0.00020	0.0050	4/30/2008 5:27:21 PM
Vanadium	0.0011	mg/L	J	0.00100	0.0200	4/30/2008 5:27:21 PM
Zinc	0.0122	mg/L		0.00300	0.0100	4/30/2008 5:27:21 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	100	4/17/2008 12:14:00 PM
Acrylonitrile	ND	µg/L		4.24	200	4/17/2008 12:14:00 PM
Benzene	ND	µg/L		0.13	1.0	4/17/2008 12:14:00 PM
Bromochloromethane	ND	µg/L		0.35	3.0	4/17/2008 12:14:00 PM
Bromodichloromethane	ND	µg/L		0.16	1.0	4/17/2008 12:14:00 PM
Bromoform	ND	µg/L		0.40	3.0	4/17/2008 12:14:00 PM
Bromomethane	ND	µg/L		0.50	10.0	4/17/2008 12:14:00 PM
2-Butanone	ND	µg/L		4.68	100	4/17/2008 12:14:00 PM
Carbon disulfide	ND	µg/L		1.27	100	4/17/2008 12:14:00 PM
Carbon tetrachloride	ND	µg/L		0.25	1.0	4/17/2008 12:14:00 PM
Chlorobenzene	ND	µg/L		0.18	3.0	4/17/2008 12:14:00 PM
Chloroethane	ND	µg/L		0.94	10.0	4/17/2008 12:14:00 PM
Chloroform	ND	µg/L		0.25	5.0	4/17/2008 12:14:00 PM
Chloromethane	ND	µg/L		0.33	1.0	4/17/2008 12:14:00 PM
Dibromochloromethane	ND	µg/L		0.42	1.0	4/17/2008 12:14:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	1.0	4/17/2008 12:14:00 PM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	4/17/2008 12:14:00 PM
Dibromomethane	ND	µg/L		0.29	10.0	4/17/2008 12:14:00 PM
1,2-Dichlorobenzene	ND	µg/L		0.45	5.0	4/17/2008 12:14:00 PM
1,4-Dichlorobenzene	ND	µg/L		0.29	1.0	4/17/2008 12:14:00 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: *02-May-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0804B21
Client Sample ID:	MW-A	**Lab ID:**	0804B21-01A
Project:	HIGHLANDS C+D	**Collection Date:**	4/14/2008 9:37:00 AM
Site ID:	HIGHLAND 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	4/17/2008 12:14:00 PM
1,1-Dichloroethane	ND	µg/L		0.38	5.0	4/17/2008 12:14:00 PM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	4/17/2008 12:14:00 PM
1,1-Dichloroethene	ND	µg/L		0.33	5.0	4/17/2008 12:14:00 PM
cis-1,2-Dichloroethene	ND	µg/L		0.23	5.0	4/17/2008 12:14:00 PM
trans-1,2-Dichloroethene	ND	µg/L		0.39	5.0	4/17/2008 12:14:00 PM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	4/17/2008 12:14:00 PM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	4/17/2008 12:14:00 PM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	4/17/2008 12:14:00 PM
Ethylbenzene	ND	µg/L		0.18	1.0	4/17/2008 12:14:00 PM
2-Hexanone	ND	µg/L		4.11	50.0	4/17/2008 12:14:00 PM
Iodomethane	ND	µg/L		3.44	10.0	4/17/2008 12:14:00 PM
Methylene chloride	ND	µg/L		0.54	1.0	4/17/2008 12:14:00 PM
4-Methyl-2-pentanone	ND	µg/L		4.40	100	4/17/2008 12:14:00 PM
Styrene	ND	µg/L		0.24	1.0	4/17/2008 12:14:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	5.0	4/17/2008 12:14:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	4/17/2008 12:14:00 PM
Tetrachloroethene	ND	µg/L		0.20	1.0	4/17/2008 12:14:00 PM
Toluene	ND	µg/L		0.17	1.0	4/17/2008 12:14:00 PM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	4/17/2008 12:14:00 PM
1,1,2-Trichloroethane	ND	µg/L		0.49	5.0	4/17/2008 12:14:00 PM
Trichloroethene	ND	µg/L		0.30	1.0	4/17/2008 12:14:00 PM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	4/17/2008 12:14:00 PM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	4/17/2008 12:14:00 PM
Vinyl acetate	ND	µg/L		4.87	50.0	4/17/2008 12:14:00 PM
Vinyl chloride	ND	µg/L		0.22	1.0	4/17/2008 12:14:00 PM
o-Xylene	ND	µg/L		0.19	1.0	4/17/2008 12:14:00 PM
m,p-Xylene	ND	µg/L		0.29	2.0	4/17/2008 12:14:00 PM
Surr: 1,2-Dichloroethane-d4	106	%REC			80-120	4/17/2008 12:14:00 PM
Surr: 4-Bromofluorobenzene	97.2	%REC			86-115	4/17/2008 12:14:00 PM
Surr: Dibromofluoromethane	113	%REC			80-120	4/17/2008 12:14:00 PM
Surr: Toluene-d8	99.3	%REC			88-110	4/17/2008 12:14:00 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: *02-May-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0804B21
Client Sample ID:	MW-B	**Lab ID:**	0804B21-02A
Project:	HIGHLANDS C+D	**Collection Date:**	4/14/2008 10:08:00 AM
Site ID:	HIGHLAND 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	4/30/2008 6:02:34 PM
Arsenic	ND	mg/L		0.00200	0.0100	4/30/2008 6:02:34 PM
Barium	0.0225	mg/L	J	0.00100	0.100	4/30/2008 6:02:34 PM
Beryllium	ND	mg/L		0.00020	0.0010	4/30/2008 6:02:34 PM
Cadmium	0.0003	mg/L	J	0.00020	0.0010	4/30/2008 6:02:34 PM
Chromium	0.0026	mg/L	J	0.00100	0.0100	4/30/2008 6:02:34 PM
Cobalt	0.0026	mg/L	J	0.00100	0.0100	4/30/2008 6:02:34 PM
Copper	0.0024	mg/L	J	0.00100	0.0100	4/30/2008 6:02:34 PM
Lead	0.0006	mg/L	J	0.00020	0.0100	4/30/2008 6:02:34 PM
Nickel	ND	mg/L		0.00200	0.0500	4/30/2008 6:02:34 PM
Selenium	ND	mg/L		0.00300	0.0100	4/30/2008 6:02:34 PM
Silver	ND	mg/L		0.00100	0.0100	4/30/2008 6:02:34 PM
Thallium	ND	mg/L		0.00020	0.0050	4/30/2008 6:02:34 PM
Vanadium	0.0012	mg/L	J	0.00100	0.0200	4/30/2008 6:02:34 PM
Zinc	0.0111	mg/L		0.00300	0.0100	4/30/2008 6:02:34 PM

NOTES:
The CCV for Be exceeded REIC control limits indicating a high bias. Since the analyte result was ND, this exceedance does not adversely impact data usability.

VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	100	4/17/2008 12:46:00 PM
Acrylonitrile	ND	µg/L		4.24	200	4/17/2008 12:46:00 PM
Benzene	ND	µg/L		0.13	1.0	4/17/2008 12:46:00 PM
Bromochloromethane	ND	µg/L		0.35	3.0	4/17/2008 12:46:00 PM
Bromodichloromethane	ND	µg/L		0.16	1.0	4/17/2008 12:46:00 PM
Bromoform	ND	µg/L		0.40	3.0	4/17/2008 12:46:00 PM
Bromomethane	ND	µg/L		0.50	10.0	4/17/2008 12:46:00 PM
2-Butanone	ND	µg/L		4.68	100	4/17/2008 12:46:00 PM
Carbon disulfide	ND	µg/L		1.27	100	4/17/2008 12:46:00 PM
Carbon tetrachloride	ND	µg/L		0.25	1.0	4/17/2008 12:46:00 PM
Chlorobenzene	ND	µg/L		0.18	3.0	4/17/2008 12:46:00 PM
Chloroethane	ND	µg/L		0.94	10.0	4/17/2008 12:46:00 PM
Chloroform	ND	µg/L		0.25	5.0	4/17/2008 12:46:00 PM
Chloromethane	ND	µg/L		0.33	1.0	4/17/2008 12:46:00 PM
Dibromochloromethane	ND	µg/L		0.42	1.0	4/17/2008 12:46:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	1.0	4/17/2008 12:46:00 PM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	4/17/2008 12:46:00 PM
Dibromomethane	ND	µg/L		0.29	10.0	4/17/2008 12:46:00 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: *02-May-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0804B21
Client Sample ID:	MW-B	**Lab ID:**	0804B21-02A
Project:	HIGHLANDS C+D	**Collection Date:**	4/14/2008 10:08:00 AM
Site ID:	HIGHLAND N.C.	**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	4/17/2008 12:46:00 PM
1,4-Dichlorobenzene	ND	µg/L		0.29	1.0	4/17/2008 12:46:00 PM
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	100	4/17/2008 12:46:00 PM
1,1-Dichloroethane	ND	µg/L		0.38	5.0	4/17/2008 12:46:00 PM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	4/17/2008 12:46:00 PM
1,1-Dichloroethene	ND	µg/L		0.33	5.0	4/17/2008 12:46:00 PM
cis-1,2-Dichloroethene	0.2	µg/L	J	0.23	5.0	4/17/2008 12:46:00 PM
trans-1,2-Dichloroethene	ND	µg/L		0.39	5.0	4/17/2008 12:46:00 PM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	4/17/2008 12:46:00 PM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	4/17/2008 12:46:00 PM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	4/17/2008 12:46:00 PM
Ethylbenzene	ND	µg/L		0.18	1.0	4/17/2008 12:46:00 PM
2-Hexanone	ND	µg/L		4.11	50.0	4/17/2008 12:46:00 PM
Iodomethane	ND	µg/L		3.44	10.0	4/17/2008 12:46:00 PM
Methylene chloride	0.6	µg/L	J	0.54	1.0	4/17/2008 12:46:00 PM
4-Methyl-2-pentanone	ND	µg/L		4.40	100	4/17/2008 12:46:00 PM
Styrene	ND	µg/L		0.24	1.0	4/17/2008 12:46:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	5.0	4/17/2008 12:46:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	4/17/2008 12:46:00 PM
Tetrachloroethene	ND	µg/L		0.20	1.0	4/17/2008 12:46:00 PM
Toluene	ND	µg/L		0.17	1.0	4/17/2008 12:46:00 PM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	4/17/2008 12:46:00 PM
1,1,2-Trichloroethane	ND	µg/L		0.49	5.0	4/17/2008 12:46:00 PM
Trichloroethene	ND	µg/L		0.30	1.0	4/17/2008 12:46:00 PM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	4/17/2008 12:46:00 PM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	4/17/2008 12:46:00 PM
Vinyl acetate	ND	µg/L		4.87	50.0	4/17/2008 12:46:00 PM
Vinyl chloride	ND	µg/L		0.22	1.0	4/17/2008 12:46:00 PM
o-Xylene	ND	µg/L		0.19	1.0	4/17/2008 12:46:00 PM
m,p-Xylene	ND	µg/L		0.29	2.0	4/17/2008 12:46:00 PM
Surr: 1,2-Dichloroethane-d4	107	%REC			80-120	4/17/2008 12:46:00 PM
Surr: 4-Bromofluorobenzene	93.7	%REC			86-115	4/17/2008 12:46:00 PM
Surr: Dibromofluoromethane	113	%REC			80-120	4/17/2008 12:46:00 PM
Surr: Toluene-d8	101	%REC			88-110	4/17/2008 12:46:00 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: *02-May-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0804B21
Client Sample ID:	SW-1	**Lab ID:**	0804B21-03A
Project:	HIGHLANDS C+D	**Collection Date:**	4/14/2008 9:00:00 AM
Site ID:	HIGHLAND 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	4/30/2008 6:08:26 PM
Arsenic	ND	mg/L		0.00200	0.0100	4/30/2008 6:08:26 PM
Barium	0.0056	mg/L	J	0.00100	0.100	4/30/2008 6:08:26 PM
Beryllium	ND	mg/L		0.00020	0.0010	4/30/2008 6:08:26 PM
Cadmium	ND	mg/L		0.00020	0.0010	4/30/2008 6:08:26 PM
Chromium	0.0014	mg/L	J	0.00100	0.0100	4/30/2008 6:08:26 PM
Cobalt	ND	mg/L		0.00100	0.0100	4/30/2008 6:08:26 PM
Copper	0.0010	mg/L	J	0.00100	0.0100	4/30/2008 6:08:26 PM
Lead	ND	mg/L		0.00020	0.0100	4/30/2008 6:08:26 PM
Nickel	ND	mg/L		0.00200	0.0500	4/30/2008 6:08:26 PM
Selenium	ND	mg/L		0.00300	0.0100	4/30/2008 6:08:26 PM
Silver	ND	mg/L		0.00100	0.0100	4/30/2008 6:08:26 PM
Thallium	ND	mg/L		0.00020	0.0050	4/30/2008 6:08:26 PM
Vanadium	ND	mg/L		0.00100	0.0200	4/30/2008 6:08:26 PM
Zinc	0.0085	mg/L	J	0.00300	0.0100	4/30/2008 6:08:26 PM

NOTES:
The CCV for Be exceeded REIC control limits indicating a high bias. Since the analyte result was ND, this exceedance does not adversely impact data usability.

VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	20.0	4/17/2008 1:19:00 PM
Acrylonitrile	ND	µg/L		4.24	10.0	4/17/2008 1:19:00 PM
Benzene	ND	µg/L		0.13	1.0	4/17/2008 1:19:00 PM
Bromochloromethane	ND	µg/L		0.35	1.0	4/17/2008 1:19:00 PM
Bromodichloromethane	ND	µg/L		0.16	1.0	4/17/2008 1:19:00 PM
Bromoform	ND	µg/L		0.40	1.0	4/17/2008 1:19:00 PM
Bromomethane	ND	µg/L		0.50	1.0	4/17/2008 1:19:00 PM
2-Butanone	ND	µg/L		4.68	10.0	4/17/2008 1:19:00 PM
Carbon disulfide	ND	µg/L		1.27	5.0	4/17/2008 1:19:00 PM
Carbon tetrachloride	ND	µg/L		0.25	1.0	4/17/2008 1:19:00 PM
Chlorobenzene	ND	µg/L		0.18	1.0	4/17/2008 1:19:00 PM
Chloroethane	ND	µg/L		0.94	1.0	4/17/2008 1:19:00 PM
Chloroform	ND	µg/L		0.25	1.0	4/17/2008 1:19:00 PM
Chloromethane	ND	µg/L		0.33	1.0	4/17/2008 1:19:00 PM
Dibromochloromethane	ND	µg/L		0.42	1.0	4/17/2008 1:19:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	6.0	4/17/2008 1:19:00 PM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	4/17/2008 1:19:00 PM
Dibromomethane	ND	µg/L		0.29	1.0	4/17/2008 1:19:00 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: *02-May-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0804B21
Client Sample ID:	SW-1	**Lab ID:**	0804B21-03A
Project:	HIGHLANDS C+D	**Collection Date:**	4/14/2008 9:00:00 AM
Site ID:	HIGHLAND N.C.	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
1,2-Dichlorobenzene	ND	µg/L		0.45	1.0	4/17/2008 1:19:00 PM
1,4-Dichlorobenzene	ND	µg/L		0.29	1.0	4/17/2008 1:19:00 PM
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	10.0	4/17/2008 1:19:00 PM
1,1-Dichloroethane	ND	µg/L		0.38	1.0	4/17/2008 1:19:00 PM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	4/17/2008 1:19:00 PM
1,1-Dichloroethene	ND	µg/L		0.33	1.0	4/17/2008 1:19:00 PM
cis-1,2-Dichloroethene	ND	µg/L		0.23	1.0	4/17/2008 1:19:00 PM
trans-1,2-Dichloroethene	ND	µg/L		0.39	1.0	4/17/2008 1:19:00 PM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	4/17/2008 1:19:00 PM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	4/17/2008 1:19:00 PM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	4/17/2008 1:19:00 PM
Ethylbenzene	ND	µg/L		0.18	1.0	4/17/2008 1:19:00 PM
2-Hexanone	ND	µg/L		4.11	10.0	4/17/2008 1:19:00 PM
Iodomethane	ND	µg/L		3.44	10.0	4/17/2008 1:19:00 PM
Methylene chloride	ND	µg/L		0.54	1.0	4/17/2008 1:19:00 PM
4-Methyl-2-pentanone	ND	µg/L		4.40	10.0	4/17/2008 1:19:00 PM
Styrene	ND	µg/L		0.24	1.0	4/17/2008 1:19:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	1.0	4/17/2008 1:19:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	4/17/2008 1:19:00 PM
Tetrachloroethene	ND	µg/L		0.20	1.0	4/17/2008 1:19:00 PM
Toluene	ND	µg/L		0.17	1.0	4/17/2008 1:19:00 PM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	4/17/2008 1:19:00 PM
1,1,2-Trichloroethane	ND	µg/L		0.49	1.0	4/17/2008 1:19:00 PM
Trichloroethene	ND	µg/L		0.30	1.0	4/17/2008 1:19:00 PM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	4/17/2008 1:19:00 PM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	4/17/2008 1:19:00 PM
Vinyl acetate	ND	µg/L		4.87	10.0	4/17/2008 1:19:00 PM
Vinyl chloride	ND	µg/L		0.22	1.0	4/17/2008 1:19:00 PM
o-Xylene	ND	µg/L		0.19	1.0	4/17/2008 1:19:00 PM
m,p-Xylene	ND	µg/L		0.29	2.0	4/17/2008 1:19:00 PM
Surr: 1,2-Dichloroethane-d4	107	%REC			80-120	4/17/2008 1:19:00 PM
Surr: 4-Bromofluorobenzene	96.8	%REC			86-115	4/17/2008 1:19:00 PM
Surr: Dibromofluoromethane	114	%REC			80-120	4/17/2008 1:19:00 PM
Surr: Toluene-d8	99.7	%REC			88-110	4/17/2008 1:19:00 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: *02-May-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0804B21
Client Sample ID:	WSW-1	**Lab ID:**	0804B21-04A
Project:	HIGHLANDS C+D	**Collection Date:**	4/14/2008 9:33:00 AM
Site ID:	HIGHLAND 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	4/30/2008 6:14:18 PM
Arsenic	ND	mg/L		0.00200	0.0100	4/30/2008 6:14:18 PM
Barium	0.0108	mg/L	J	0.00100	0.100	4/30/2008 6:14:18 PM
Beryllium	ND	mg/L		0.00020	0.0010	4/30/2008 6:14:18 PM
Cadmium	ND	mg/L		0.00020	0.0010	4/30/2008 6:14:18 PM
Chromium	ND	mg/L		0.00100	0.0100	4/30/2008 6:14:18 PM
Cobalt	ND	mg/L		0.00100	0.0100	4/30/2008 6:14:18 PM
Copper	0.0013	mg/L	J	0.00100	0.0100	4/30/2008 6:14:18 PM
Lead	ND	mg/L		0.00020	0.0100	4/30/2008 6:14:18 PM
Nickel	ND	mg/L		0.00200	0.0500	4/30/2008 6:14:18 PM
Selenium	ND	mg/L		0.00300	0.0100	4/30/2008 6:14:18 PM
Silver	ND	mg/L		0.00100	0.0100	4/30/2008 6:14:18 PM
Thallium	ND	mg/L		0.00020	0.0050	4/30/2008 6:14:18 PM
Vanadium	ND	mg/L		0.00100	0.0200	4/30/2008 6:14:18 PM
Zinc	0.0170	mg/L		0.00300	0.0100	4/30/2008 6:14:18 PM

NOTES:
The CCV for Be exceeded REIC control limits indicating a high bias. Since the analyte result was ND, this exceedance does not adversely impact data usability.

VOLATILE ORGANIC COMPOUNDS			SW8260B			Analyst: **AS**
Acetone	ND	µg/L		4.88	20.0	4/17/2008 1:52:00 PM
Acrylonitrile	ND	µg/L		4.24	10.0	4/17/2008 1:52:00 PM
Benzene	ND	µg/L		0.13	1.0	4/17/2008 1:52:00 PM
Bromochloromethane	ND	µg/L		0.35	1.0	4/17/2008 1:52:00 PM
Bromodichloromethane	ND	µg/L		0.16	1.0	4/17/2008 1:52:00 PM
Bromoform	ND	µg/L		0.40	1.0	4/17/2008 1:52:00 PM
Bromomethane	ND	µg/L		0.50	1.0	4/17/2008 1:52:00 PM
2-Butanone	ND	µg/L		4.68	10.0	4/17/2008 1:52:00 PM
Carbon disulfide	ND	µg/L		1.27	5.0	4/17/2008 1:52:00 PM
Carbon tetrachloride	ND	µg/L		0.25	1.0	4/17/2008 1:52:00 PM
Chlorobenzene	ND	µg/L		0.18	1.0	4/17/2008 1:52:00 PM
Chloroethane	ND	µg/L		0.94	1.0	4/17/2008 1:52:00 PM
Chloroform	ND	µg/L		0.25	1.0	4/17/2008 1:52:00 PM
Chloromethane	ND	µg/L		0.33	1.0	4/17/2008 1:52:00 PM
Dibromochloromethane	ND	µg/L		0.42	1.0	4/17/2008 1:52:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	6.0	4/17/2008 1:52:00 PM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	4/17/2008 1:52:00 PM
Dibromomethane	ND	µg/L		0.29	1.0	4/17/2008 1:52:00 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: *02-May-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0804B21
Client Sample ID:	WSW-1	**Lab ID:**	0804B21-04A
Project:	HIGHLANDS C+D	**Collection Date:**	4/14/2008 9:33:00 AM
Site ID:	HIGHLAND N.C.	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
1,2-Dichlorobenzene	ND	µg/L		0.45	1.0	4/17/2008 1:52:00 PM
1,4-Dichlorobenzene	ND	µg/L		0.29	1.0	4/17/2008 1:52:00 PM
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	10.0	4/17/2008 1:52:00 PM
1,1-Dichloroethane	ND	µg/L		0.38	1.0	4/17/2008 1:52:00 PM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	4/17/2008 1:52:00 PM
1,1-Dichloroethene	ND	µg/L		0.33	1.0	4/17/2008 1:52:00 PM
cis-1,2-Dichloroethene	ND	µg/L		0.23	1.0	4/17/2008 1:52:00 PM
trans-1,2-Dichloroethene	ND	µg/L		0.39	1.0	4/17/2008 1:52:00 PM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	4/17/2008 1:52:00 PM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	4/17/2008 1:52:00 PM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	4/17/2008 1:52:00 PM
Ethylbenzene	ND	µg/L		0.18	1.0	4/17/2008 1:52:00 PM
2-Hexanone	ND	µg/L		4.11	10.0	4/17/2008 1:52:00 PM
Iodomethane	ND	µg/L		3.44	10.0	4/17/2008 1:52:00 PM
Methylene chloride	ND	µg/L		0.54	1.0	4/17/2008 1:52:00 PM
4-Methyl-2-pentanone	ND	µg/L		4.40	10.0	4/17/2008 1:52:00 PM
Styrene	ND	µg/L		0.24	1.0	4/17/2008 1:52:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	1.0	4/17/2008 1:52:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	4/17/2008 1:52:00 PM
Tetrachloroethene	ND	µg/L		0.20	1.0	4/17/2008 1:52:00 PM
Toluene	ND	µg/L		0.17	1.0	4/17/2008 1:52:00 PM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	4/17/2008 1:52:00 PM
1,1,2-Trichloroethane	ND	µg/L		0.49	1.0	4/17/2008 1:52:00 PM
Trichloroethene	ND	µg/L		0.30	1.0	4/17/2008 1:52:00 PM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	4/17/2008 1:52:00 PM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	4/17/2008 1:52:00 PM
Vinyl acetate	ND	µg/L		4.87	10.0	4/17/2008 1:52:00 PM
Vinyl chloride	ND	µg/L		0.22	1.0	4/17/2008 1:52:00 PM
o-Xylene	ND	µg/L		0.19	1.0	4/17/2008 1:52:00 PM
m,p-Xylene	ND	µg/L		0.29	2.0	4/17/2008 1:52:00 PM
Surr: 1,2-Dichloroethane-d4	108	%REC			80-120	4/17/2008 1:52:00 PM
Surr: 4-Bromofluorobenzene	96.7	%REC			86-115	4/17/2008 1:52:00 PM
Surr: Dibromofluoromethane	114	%REC			80-120	4/17/2008 1:52:00 PM
Surr: Toluene-d8	99.3	%REC			88-110	4/17/2008 1:52:00 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: *02-May-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0804B21
Client Sample ID:	MW-A DUP	**Lab ID:**	0804B21-05A
Project:	HIGHLANDS C+D	**Collection Date:**	4/14/2008 9:37:00 AM
Site ID:	HIGHLAND 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	4/30/2008 6:20:10 PM
Arsenic	ND	mg/L		0.00200	0.0100	4/30/2008 6:20:10 PM
Barium	0.0111	mg/L	J	0.00100	0.100	4/30/2008 6:20:10 PM
Beryllium	ND	mg/L		0.00020	0.0010	4/30/2008 6:20:10 PM
Cadmium	ND	mg/L		0.00020	0.0010	4/30/2008 6:20:10 PM
Chromium	ND	mg/L		0.00100	0.0100	4/30/2008 6:20:10 PM
Cobalt	ND	mg/L		0.00100	0.0100	4/30/2008 6:20:10 PM
Copper	0.0019	mg/L	J	0.00100	0.0100	4/30/2008 6:20:10 PM
Lead	0.0003	mg/L	J	0.00020	0.0100	4/30/2008 6:20:10 PM
Nickel	ND	mg/L		0.00200	0.0500	4/30/2008 6:20:10 PM
Selenium	ND	mg/L		0.00300	0.0100	4/30/2008 6:20:10 PM
Silver	ND	mg/L		0.00100	0.0100	4/30/2008 6:20:10 PM
Thallium	ND	mg/L		0.00020	0.0050	4/30/2008 6:20:10 PM
Vanadium	ND	mg/L		0.00100	0.0200	4/30/2008 6:20:10 PM
Zinc	0.0125	mg/L		0.00300	0.0100	4/30/2008 6:20:10 PM

NOTES:
The CCV for Be exceeded REIC control limits indicating a high bias. Since the analyte result was ND, this exceedance does not adversely impact data usability.

VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	20.0	4/17/2008 2:24:00 PM
Acrylonitrile	ND	µg/L		4.24	10.0	4/17/2008 2:24:00 PM
Benzene	ND	µg/L		0.13	1.0	4/17/2008 2:24:00 PM
Bromochloromethane	ND	µg/L		0.35	1.0	4/17/2008 2:24:00 PM
Bromodichloromethane	ND	µg/L		0.16	1.0	4/17/2008 2:24:00 PM
Bromoform	ND	µg/L		0.40	1.0	4/17/2008 2:24:00 PM
Bromomethane	ND	µg/L		0.50	1.0	4/17/2008 2:24:00 PM
2-Butanone	ND	µg/L		4.68	10.0	4/17/2008 2:24:00 PM
Carbon disulfide	ND	µg/L		1.27	5.0	4/17/2008 2:24:00 PM
Carbon tetrachloride	ND	µg/L		0.25	1.0	4/17/2008 2:24:00 PM
Chlorobenzene	ND	µg/L		0.18	1.0	4/17/2008 2:24:00 PM
Chloroethane	ND	µg/L		0.94	1.0	4/17/2008 2:24:00 PM
Chloroform	ND	µg/L		0.25	1.0	4/17/2008 2:24:00 PM
Chloromethane	ND	µg/L		0.33	1.0	4/17/2008 2:24:00 PM
Dibromochloromethane	ND	µg/L		0.42	1.0	4/17/2008 2:24:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	6.0	4/17/2008 2:24:00 PM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	4/17/2008 2:24:00 PM
Dibromomethane	ND	µg/L		0.29	1.0	4/17/2008 2:24:00 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: *02-May-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0804B21
Client Sample ID:	MW-A DUP	**Lab ID:**	0804B21-05A
Project:	HIGHLANDS C+D	**Collection Date:**	4/14/2008 9:37:00 AM
Site ID:	HIGHLAND N.C.	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
1,2-Dichlorobenzene	ND	µg/L		0.45	1.0	4/17/2008 2:24:00 PM
1,4-Dichlorobenzene	ND	µg/L		0.29	1.0	4/17/2008 2:24:00 PM
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	10.0	4/17/2008 2:24:00 PM
1,1-Dichloroethane	ND	µg/L		0.38	1.0	4/17/2008 2:24:00 PM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	4/17/2008 2:24:00 PM
1,1-Dichloroethene	ND	µg/L		0.33	1.0	4/17/2008 2:24:00 PM
cis-1,2-Dichloroethene	ND	µg/L		0.23	1.0	4/17/2008 2:24:00 PM
trans-1,2-Dichloroethene	ND	µg/L		0.39	1.0	4/17/2008 2:24:00 PM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	4/17/2008 2:24:00 PM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	4/17/2008 2:24:00 PM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	4/17/2008 2:24:00 PM
Ethylbenzene	ND	µg/L		0.18	1.0	4/17/2008 2:24:00 PM
2-Hexanone	ND	µg/L		4.11	10.0	4/17/2008 2:24:00 PM
Iodomethane	ND	µg/L		3.44	10.0	4/17/2008 2:24:00 PM
Methylene chloride	ND	µg/L		0.54	1.0	4/17/2008 2:24:00 PM
4-Methyl-2-pentanone	ND	µg/L		4.40	10.0	4/17/2008 2:24:00 PM
Styrene	ND	µg/L		0.24	1.0	4/17/2008 2:24:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	1.0	4/17/2008 2:24:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	4/17/2008 2:24:00 PM
Tetrachloroethene	ND	µg/L		0.20	1.0	4/17/2008 2:24:00 PM
Toluene	ND	µg/L		0.17	1.0	4/17/2008 2:24:00 PM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	4/17/2008 2:24:00 PM
1,1,2-Trichloroethane	ND	µg/L		0.49	1.0	4/17/2008 2:24:00 PM
Trichloroethene	ND	µg/L		0.30	1.0	4/17/2008 2:24:00 PM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	4/17/2008 2:24:00 PM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	4/17/2008 2:24:00 PM
Vinyl acetate	ND	µg/L		4.87	10.0	4/17/2008 2:24:00 PM
Vinyl chloride	ND	µg/L		0.22	1.0	4/17/2008 2:24:00 PM
o-Xylene	ND	µg/L		0.19	1.0	4/17/2008 2:24:00 PM
m,p-Xylene	ND	µg/L		0.29	2.0	4/17/2008 2:24:00 PM
Surr: 1,2-Dichloroethane-d4	106	%REC			80-120	4/17/2008 2:24:00 PM
Surr: 4-Bromofluorobenzene	94.6	%REC			86-115	4/17/2008 2:24:00 PM
Surr: Dibromofluoromethane	113	%REC			80-120	4/17/2008 2:24:00 PM
Surr: Toluene-d8	101	%REC			88-110	4/17/2008 2:24:00 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: *02-May-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0804B21
Client Sample ID:	TRIP BLANK	**Lab ID:**	0804B21-06A
Project:	HIGHLANDS C+D	**Collection Date:**	
Site ID:	HIGHLAND 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	4/23/2008 6:42:00 PM
Acrylonitrile	ND	µg/L		4.24	200	4/23/2008 6:42:00 PM
Benzene	ND	µg/L		0.13	1.0	4/23/2008 6:42:00 PM
Bromochloromethane	ND	µg/L		0.35	3.0	4/23/2008 6:42:00 PM
Bromodichloromethane	ND	µg/L		0.16	1.0	4/23/2008 6:42:00 PM
Bromoform	ND	µg/L		0.40	3.0	4/23/2008 6:42:00 PM
Bromomethane	ND	µg/L		0.50	10.0	4/23/2008 6:42:00 PM
2-Butanone	ND	µg/L		4.68	100	4/23/2008 6:42:00 PM
Carbon disulfide	ND	µg/L		1.27	100	4/23/2008 6:42:00 PM
Carbon tetrachloride	ND	µg/L		0.25	1.0	4/23/2008 6:42:00 PM
Chlorobenzene	ND	µg/L		0.18	3.0	4/23/2008 6:42:00 PM
Chloroethane	ND	µg/L		0.94	10.0	4/23/2008 6:42:00 PM
Chloroform	ND	µg/L		0.25	5.0	4/23/2008 6:42:00 PM
Chloromethane	ND	µg/L		0.33	1.0	4/23/2008 6:42:00 PM
Dibromochloromethane	ND	µg/L		0.42	1.0	4/23/2008 6:42:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	1.0	4/23/2008 6:42:00 PM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	4/23/2008 6:42:00 PM
Dibromomethane	ND	µg/L		0.29	10.0	4/23/2008 6:42:00 PM
1,2-Dichlorobenzene	ND	µg/L		0.45	5.0	4/23/2008 6:42:00 PM
1,4-Dichlorobenzene	ND	µg/L		0.29	1.0	4/23/2008 6:42:00 PM
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	100	4/23/2008 6:42:00 PM
1,1-Dichloroethane	ND	µg/L		0.38	5.0	4/23/2008 6:42:00 PM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	4/23/2008 6:42:00 PM
1,1-Dichloroethene	ND	µg/L		0.33	5.0	4/23/2008 6:42:00 PM
cis-1,2-Dichloroethene	ND	µg/L		0.23	5.0	4/23/2008 6:42:00 PM
trans-1,2-Dichloroethene	ND	µg/L		0.39	5.0	4/23/2008 6:42:00 PM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	4/23/2008 6:42:00 PM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	4/23/2008 6:42:00 PM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	4/23/2008 6:42:00 PM
Ethylbenzene	ND	µg/L		0.18	1.0	4/23/2008 6:42:00 PM
2-Hexanone	ND	µg/L		4.11	50.0	4/23/2008 6:42:00 PM
Iodomethane	ND	µg/L		3.44	10.0	4/23/2008 6:42:00 PM
Methylene chloride	ND	µg/L		0.54	1.0	4/23/2008 6:42:00 PM
4-Methyl-2-pentanone	ND	µg/L		4.40	100	4/23/2008 6:42:00 PM
Styrene	ND	µg/L		0.24	1.0	4/23/2008 6:42:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	5.0	4/23/2008 6:42:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	4/23/2008 6:42:00 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: *02-May-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0804B21
Client Sample ID:	TRIP BLANK	**Lab ID:**	0804B21-06A
Project:	HIGHLANDS C+D	**Collection Date:**	
Site ID:	HIGHLAND 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	4/23/2008 6:42:00 PM
Toluene	ND	µg/L		0.17	1.0	4/23/2008 6:42:00 PM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	4/23/2008 6:42:00 PM
1,1,2-Trichloroethane	ND	µg/L		0.49	5.0	4/23/2008 6:42:00 PM
Trichloroethene	ND	µg/L		0.30	1.0	4/23/2008 6:42:00 PM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	4/23/2008 6:42:00 PM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	4/23/2008 6:42:00 PM
Vinyl acetate	ND	µg/L		4.87	50.0	4/23/2008 6:42:00 PM
Vinyl chloride	ND	µg/L		0.22	1.0	4/23/2008 6:42:00 PM
o-Xylene	ND	µg/L		0.19	1.0	4/23/2008 6:42:00 PM
m,p-Xylene	ND	µg/L		0.29	2.0	4/23/2008 6:42:00 PM
Surr: 1,2-Dichloroethane-d4	123	%REC	S		80-120	4/23/2008 6:42:00 PM
Surr: 4-Bromofluorobenzene	98.5	%REC			86-115	4/23/2008 6:42:00 PM
Surr: Dibromofluoromethane	114	%REC			80-120	4/23/2008 6:42:00 PM
Surr: Toluene-d8	92.6	%REC			88-110	4/23/2008 6:42:00 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

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

CHAIN OF CUSTODY RECORD

NO. 222935

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 C+D
SAMPLER: Farley / McBride / Harrison

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 Apendix I	TSS	N.C Appendix I VOC's	COMMENTS
MW-A	6	4-14-08 0937	H2O	Grab	X	X		Analyze Dis Metals
MW-B	↓	1008	↓	↓	↓	↓		For Any Total Metal
AM ~~SW1-1~~ SW-1	↓	0900	↓	↓	↓	↓		Detections
WSW-1	↓	0933	↓	↓	↓	↓		
MW-A Dup	18	0937	↓	↓	↓	↓		
Trip Blank #1	2-VOA						X	

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
R Farley	4-12-08 0800	[signature]	4-17-08 08:00				

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Temperature Upon Arrival °C	FAX Results	Email Results
				2.5	☐	☐

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	Apr-08
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**	**3.8**
	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**	*	*	3.6
	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**	**4.9**
	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**	**11.1**
	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	149
	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	42.6
	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	21.9

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	Apr-08
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
	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**	**4.1**
	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	11.9
	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	20.4

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-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	Apr-08
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).
7. Only compounds detected above laboratory PQL or SWSL are listed.

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	Apr-08
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**	**2.8**
	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	24.6
	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**	**4.0**
	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	5.2
	Toluene	1000	5.4	2.2	2.4	1.3	*	*	*	18	6.8	12	10.8	*	9.9	*	*	**1**	2.7	1.0	8.2
	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**	**10.9**
	Xylenes total	530	*	7.8	11	*	4.2	*	3.7	21.9	5.4	5.1	5.7	*	*	*	*	**3**	*	1.7	4.2
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	269
	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	11.2
	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	Apr-08
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	47
	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**	**61.3**
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	26.7

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).
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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	Apr-08
VOCs	1,4-Dichlorobenzene	1.4	*	*	*	*	*	*	*	1.1	*	*	*	*	*	*	*	*	*	*	*	**1**	*	*	*
	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	8.2
	trans 1,2-Dichloroethene	100	154	55	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**5**	*	*	*
	Vinyl Chloride	0.015	**32**	**12**	*	**56**	**11.3**	**12.3**	*	**14**	*	*	**9.6**	**2**	**16**	*	*	*	*	**1.5**	**14.8**	**1**	**3.7**	**11**	**1.5**
Metals	Barium	2000	334	*	32	20	17	50	24	100	20	28	24	49	230	10	*	*	*	*	*	**100**	*	*	*
	Beryllium	NL	*	*	*	*	*	*	*	*	*	*	*	*	5	*	*	*	*	*	*	**1**	*	*	*
	Cadmium	1.75	**6**	**5**	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**1**	*	*	*
	Chromium	50	*	*	*	*	*	*	*	19	*	2.2	*	*	38	16	*	*	*	*	*	**10**	*	*	*
	Cobalt	NL	19	*	*	*	*	*	*	15	*	*	*	*	45	*	*	*	*	*	*	**10**	*	*	*
	Copper	1000	*	*	*	*	*	*	*	*	*	*	*	*	57	*	*	*	*	*	*	**10**	*	*	*
	Lead	15	11	*	*	*	4	6	*	11	*	*	*	5.2	**45**	*	*	*	*	*	*	**10**	*	*	*
	Nickel	100	*	*	*	*	*	*	*	19	*	*	*	*	37	5	*	*	*	*	*	**50**	*	*	*
	Selenium	50	*	*	*	*	*	*	*	*	*	*	*	*	6	*	*	*	*	*	*	**10**	*	*	*
	Vanadium	NL	*	*	*	*	*	*	*	17	*	*	*	*	44	*	*	*	*	*	*	**20**	*	*	*
	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	Apr-08
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	33.5
	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	23.4
	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**	*	*	10.1
	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	17.1

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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	Apr-08
VOCs	Benzene	1	*	**1.5**	*	**1.2**	**2.8**	**1.7**	*	*	*	*	**1.4**	**1.1**	*	**1.9**	**1**	1.6	**1.5**	**1.2**
	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	28.8
	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**	**32.5**
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	15.9

Notes:

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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-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	Apr-08
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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4. Bold indicates that constituent exceeds NC 2L Standard.
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

	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	Apr-08
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	*

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-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	Apr-08
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	*

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-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	Apr-08
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**	*	*	**818**
	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	33.1
	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	101
	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**	*	**806**
	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	73.2
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	273
	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	263
	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	11.7

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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	Apr-08
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	123
	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	*

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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	Apr-08
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	46.6
	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	**10.4**
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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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	Apr-08
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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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	Apr-08
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	*

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

	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	Apr-08
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	316
	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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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

	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	Apr-08
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	62.6
	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	97.3

Notes:

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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

Hicks Well		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	Apr-08
VOCs	Acetone	700	*	47	*	*	*	*	*	*	*	*	*	*	NS	NS	NS	NS	NS	NS	NS	NS	**100**	NS	NS
Metals	Barium	2000	*	*	11	11	14	*	*	15	13	14	17	16	NS	NS	NS	NS	NS	NS	NS	NS	**100**	NS	NS
	Lead	15	*	*	*	*	*	*	*	*	*	13	*	*	NS	NS	NS	NS	NS	NS	NS	NS	**10**	NS	NS
	Nickel	100	*	34	47	*	*	*	*	*	*	*	*	*	NS	NS	NS	NS	NS	NS	NS	NS	**50**	NS	NS
	Zinc	1050	*	29	28	*	22	*	*	61	*	*	*	13	NS	NS	NS	NS	NS	NS	NS	NS	**10**	NS	NS

Notes:

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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
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	Apr-08
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	12.2

Notes:

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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
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	Apr-08
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	11.1

Notes:

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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
Highlands C and D Landfill
Highlands, North Carolina

	SW-1	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	Apr-08
Metals	Barium	2000	16	13	38	16	17	19	14	100	8	11	*	*	*	*	*	**100**	*	*
	Chromium	50	*	*	13	*	*	*	*	7.6	*	*	*	*	*	*	*	**10**	*	*
	Cobalt	N/A	*	*	13	*	12	*	*	*	*	*	*	*	*	*	*	**10**	*	*
	Copper	1000	*	*	*	*	*	*	*	6.6	*	*	*	*	*	*	*	**10**	*	*
	Lead	15	*	*	*	*	*	*	*	8.6	*	*	*	*	*	*	*	**10**	*	*
	Nickel	100	*	*	27	*	*	*	*	5.5	*	*	*	*	*	*	*	**50**	*	*
	Selenium	50	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**10**	*	*
	Vanadium	NL	*	*	*	*	*	*	*	7.9	*	*	*	*	*	*	*	**20**	*	*
	Zinc	1050	*	*	11	*	*	23	46	19	*	*	*	*	*	*	*	**10**	*	*

Notes:

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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
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	Apr-08
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	17

Notes:

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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
Apr-08	0.005	0.123	0.0005	0.0005	0.005	0.005	0.005	0.005	0.025	0.005	0.010	0.005
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.	16	16	16	16	16	16	16	16	16	16	16	16
# NDs	16	9	13	15	11	8	14	7	15	16	14	10
% NDs	100%	56%	81%	94%	69%	50%	88%	44%	94%	100%	88%	63%
Method	Nonparametric	Nonparametric	Nonparametric	Nonparametric	Nonparametric	Nonparametric	Nonparametric	Adjustment	Nonparametric	Nonparametric	Nonparametric	Nonparametric
Limit	0.010	1.40	0.013	0.0037	0.073	0.078	0.200	0.069	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		**0.005**		k		**0.0025**		k	
n	10	14	15	n	10	14	15	n	10	14	15
12	1.82	1.94	1.97	12	2.78	2.91	2.94	12	3.08	3.22	3.25
15		1.86		15		2.72		15		2.98	
16	1.72	1.83	1.86	16	2.55	2.66	2.69	16	2.79	2.90	2.93

# const.	alpha	ln(alpha)	K
1	0.05	-2.99573	1.83
10	0.005	-5.29832	2.66
20	0.0025	-5.99146	2.90
37	0.00135	-6.60765	**3.12**

K= 3.12

16 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

Lead
0.005
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	0.4375
gamma	1.3411
lambda	0.9623
Corrected Mean	0.010
Corrected S.D.	0.019
K	3.12
Prediction Limit	0.069