Old Franklin Landfill

Macon County, North Carolina

Permit No. 57-01

Water Quality Monitoring Program 2nd Semi-Annual 2007 Report

March 2008

REIC

RESEARCH ENVIRONMENTAL & INDUSTRIAL CONSULTANTS, INC.

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

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

Respectfully submitted,

3-14-08

Michael P. Hofe, PE (NC #028029)
Manager
Environmental Monitoring & Investigative Assessment Department

Table of Contents

		Page No.
1.0	EXECUTIVE SUMMARY	1
2.0	INTRODUCTION	3
3.0	HYDROLOGIC EVALUATION	4
4.0	SAMPLING AND LABORATORY ANALYSIS	6
5.0	STATISTICAL ANALYSIS	7
6.0	CONCLUSIONS	9
7.0	FIGURES	
8.0	TABLES	

APPENDICES

A. Groundwater Flow Rate

B. Field Sample Logs

C. Laboratory Reports and Chain-of-Custody

D. Historical Laboratory Results

E. Statistical Analysis

1.0 EXECUTIVE SUMMARY

REI Consultants, Inc. (REIC) has prepared the 2nd Semi-Annual Water Quality Monitoring Report for 2007 for the Old Franklin Landfill, Permit No. 57-01, a closed municipal solid waste disposal facility located in Macon County, North Carolina. Water quality monitoring at the facility is performed on a semi-annual basis and consists of sampling groundwater monitoring wells in the vicinity of the landfill and residential water supply wells adjacent to the facility. This report has been prepared in accordance with NCAC 13B Section .1632(j).

The 2nd semi-annual monitoring event was performed on October 17, 2007. Groundwater samples were collected from six (6) monitoring wells; in addition, a sample was collected from one (1) water supply well location. All samples were analyzed for North Carolina Appendix I parameters. Volatile organic compounds (VOCs) that were detected above laboratory practical quantitation limits (PQLs) are given in the following table:

Parameter	**Monitoring Well**
Benzene	MW-1, MW-6, MW-7C
Chlorobenzene	MW-1, MW-7C
1,4-Dichlorobenzene	MW-1, MW-3, MW-6, MW-7C, MW-10
cis-1,2-Dichloroethene	MW-1, MW-6, MW-7C
Methylene chloride	MW-6
Tetrachloroethene	MW-1, MW-6
Trichloroethene	MW-1, MW-6
Vinyl chloride	MW-1
Xylenes	MW-6

The following VOCs were detected above North Carolina groundwater standards:

Parameter	Monitoring Well
Benzene	MW-1, MW-6, MW-7C
1,4-Dichlorobenzene	MW-1, MW-3, MW-6, MW-7C, MW-10
Methylene chloride	MW-6
Tetrachloroethene	MW-1, MW-6
Vinyl chloride	MW-1

Statistical analysis of analytical results for metals yielded an elevation of barium in well MW-7. No metals were detected above North Carolina groundwater standards with the exception of barium in well MW-7.

One (1) residential water supply well was sampled, designated as Haire. Two other residential wells, designated as Dowdle and Keener, were not sampled, as power has been disconnected from these well pumps, and both residences use public water. No Appendix I parameters were detected in the Haire well with the exception of copper and zinc. However, concentrations of copper and zinc were well below North Carolina groundwater standards in the sample.

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 both the shallow and bedrock aquifers in the vicinity of the Old Franklin Landfill. Groundwater in the uppermost aquifer appears to be flowing to the west and northwest in the vicinity of the waste area. The average shallow groundwater flow rate in the landfill vicinity has been estimated at 150 feet/year. Groundwater of the bedrock aquifer generally flows from east to west.

2.0 INTRODUCTION

REI Consultants, Inc. (REIC) has prepared the 2nd Semi-Annual Water Quality Monitoring Report for 2007 for the Old Franklin Landfill, Permit No. 57-01, a closed municipal solid waste disposal facility located approximately two miles northeast of the town of Franklin in Macon County, North Carolina. The facility consists of a completed waste area, no longer active, that occupies approximately 14 acres of nearly 30 acres of property. Lake Emory (the Little Tennessee River) is situated to the west and northwest of the site.

The groundwater monitoring well network at the Old Franklin Landfill consists of wells MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-6A, MW-6C, MW-7, MW-7A, MW-7C, MW-8, MW-9, and MW-10 (see Figures 1 and 2, Section 7.0, for locations). Monitoring wells MW-2 and MW-8 are located essentially hydraulically sidegradient of the waste area, and therefore are designated as the background wells for the facility. Monitoring wells MW-1, MW-3, MW-4, MW-5, MW-6, MW-6A, MW-6C, MW-7, MW-7A, MW-7C, MW-9, and MW-10 are monitored as compliance wells. Wells MW-1, MW-3, MW-6, MW-6C, MW-7, MW-7C, and MW-10 are sampled semi-annually; wells MW-2, MW-4, MW-5, MW-6A, MW-7A, MW-8, and MW-9 are sampled biennially. All well samples are analyzed for North Carolina Appendix I parameters.

In addition to the above monitoring wells, a sample is collected from one (1) residential water supply well location adjacent to the landfill property, designated as Haire. The supply well water sample is analyzed semi-annually for Appendix I parameters. Formerly, samples were collected from additional residential wells designated as Dowdle and Keener; however, power to the pumps in these wells has been disconnected, and therefore samples can no longer be obtained. In addition, these wells are no longer used, as both residences are connected to public water.

For the 2nd Semiannual 2007 monitoring event, field sampling was performed on October 17, 2007. Samples were collected from all of the above locations with the exception of well MW-6C and the biennial wells. Well MW-6C could not be sampled due to an obstruction in the well at a depth of approximately 47' below the top of casing (TOC). Biennial wells were sampled during the 1st semi-annual 2007 event, and are scheduled to be sampled again during the 1st semi-annual event of 2009.

3.0 HYDROLOGIC EVALUATION

Static water levels were measured from the TOC prior to purging in all wells during the sampling event. These water level measurements, in conjunction with surveyed TOC elevation data, were used to calculate static groundwater elevations in each well. Groundwater elevation data from the 2nd semi-annual monitoring event was contoured to represent the potentiometric surface of both the shallow and bedrock aquifers in the vicinity of the landfill. Elevation data and, in the case of the shallow aquifer, the influence of topographical features, were utilized to estimate contours. Copies of the resulting potentiometric maps are included in this report (see Section 7.0).

Wells MW-1, MW-2, MW-3, MW-5, MW-6, MW-6A, MW-7, MW-7A, and MW-8 at the facility are screened in the soil/saprolite layer overlying the resident bedrock. Wells MW-4, MW-6C, MW-7C, MW-9, and MW-10 are installed in bedrock.

Generally, groundwater of the shallow aquifer flows from the western end of the waste area to the west and northwest; the direction of flow across the easternmost area of the waste cannot be confirmed due to the lack of a shallow well in that vicinity. For the bedrock aquifer, groundwater flow direction from east to west across the waste is indicated by the available data.

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 in the vicinity of 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 under the site, which was estimated to be 150 ft/year. Groundwater flow rate calculations are included in Appendix A.

4.0 SAMPLING AND LABORATORY ANALYSIS

Monitoring wells at the Old Franklin Landfill were purged and sampled using laboratory decontaminated Teflon® single check valve bailers. Field testing of pH, temperature, conductivity, and turbidity were measured to ensure adequate purging. Samples were collected in pre-cleaned and appropriately preserved containers, transported in iced coolers, and delivered to the laboratory in good condition. All wells were sampled during the 2nd semi-annual sampling event with the exception of well MW-6C and the biennial wells. Several groundwater samples were noted as exhibiting very high turbidity. A summary of field sampling information is given 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. No metals were detected above NC groundwater standards in the monitoring wells with the exception of barium in well MW-7. Volatile organic compounds (VOCs) that were detected above laboratory practical quantitation limits (PQLs) are given in the following table:

Parameter	**Monitoring Well**
Benzene	MW-1, MW-6, MW-7C
Chlorobenzene	MW-1, MW-7C
1,4-Dichlorobenzene	MW-1, MW-3, MW-6, MW-7C, MW-10
cis-1,2-Dichloroethene	MW-1, MW-6, MW-7C
Methylene chloride	MW-6
Tetrachloroethene	MW-1, MW-6
Trichloroethene	MW-1, MW-6
Vinyl chloride	MW-1
Xylenes	MW-6

The following VOCs were detected above North Carolina groundwater standards:

Parameter	Monitoring Well
Benzene	MW-1, MW-6, MW-7C
1,4-Dichlorobenzene	MW-1, MW-3, MW-6, MW-7C, MW-10
Methylene chloride	MW-6
Tetrachloroethene	MW-1, MW-6
Vinyl chloride	MW-1

One (1) residential water supply well was sampled, designated as Haire. The sample was collected from within the residence, and water was allowed to run for several minutes prior to sample collection. No Appendix I parameters were detected in the well with the exception of copper and zinc at concentrations well below the respective North Carolina groundwater standards.

A summary of laboratory results in included in Section 8, Table 2. Laboratory reports and chain-of-custody records are included in Appendix C. Historical laboratory results are given in Appendix D.

5.0 STATISTICAL ANALYSIS

A statistical analysis was conducted for the 2nd semi-annual 2007 sampling event. Monitoring constituents were evaluated under the guidelines of "Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Addendum to Interim Final Guidance" (U.S. EPA Office of Solid Waste, July 1992). Downgradient well constituent concentrations were compared to upper prediction limits derived from historical data pooled from the two background wells, MW-2 and MW-8. Prediction intervals were constructed as follows. For constituents where greater than 50 percent of the data were below PQLs, a non-parametric prediction limit was constructed using the maximum historical background measurement. No parameters exhibited

detection frequencies above PQLs at greater than 50 percent; therefore, parametric prediction limits were not utilized, and no distributional assumptions were made. Organic constituents were designated as significantly elevated when they were quantified at or above PQLs.

A summary of the VOCs detected above PQLs is as follows:

Parameter	**Monitoring Well**
Benzene	MW-1, MW-6, MW-7C
Chlorobenzene	MW-1, MW-7C
1,4-Dichlorobenzene	MW-1, MW-3, MW-6, MW-7C, MW-10
cis-1,2-Dichloroethene	MW-1, MW-6, MW-7C
Methylene chloride	MW-6
Tetrachloroethene	MW-1, MW-6
Trichloroethene	MW-1, MW-6
Vinyl chloride	MW-1
Xylenes	MW-6

Statistical analysis of monitoring well analytical results for metals yielded an elevation of barium in well MW-7. A summary of the statistical analysis is given in Appendix E.

6.0 CONCLUSIONS

- The 2nd semi-annual 2007 water quality monitoring event at the Old Franklin Landfill has been performed in accordance with State and Federal Guidelines.

- The direction of groundwater flow in the uppermost aquifer in the vicinity of the waste area is generally to the west and northwest.

- The average rate of groundwater flow in the vicinity of the landfill in the uppermost aquifer is estimated at 150 feet/year.

- Well MW-6C could not be sampled due to an obstruction in the well.

- VOCs detected in compliance wells at the facility included benzene, chlorobenzene, 1,4-dichlorobenzene, cis-1,2-dichloroethane, methylene chloride, tetrachloroethene, trichloroethene, vinyl chloride, and xylenes.

- The following VOCs were detected above North Carolina groundwater standards: benzene in wells MW-1, MW-6, and MW-7C; 1,4-dichlorobenzene in wells MW-1, MW-3, MW-6, MW-7C, and MW-10; tetrachloroethene in wells MW-1 and MW-6; and vinyl chloride in well MW-1.

- Statistical analysis of monitoring well analytical results for metals yielded an elevation of barium in well MW-7.

- No metals exceeded North Carolina groundwater standards in the monitoring well samples with the exception of barium in well MW-7.

- No Appendix I parameters were detected in the Haire residential water supply well with the exception of copper and zinc at concentrations well below the respective North Carolina groundwater standards.

7.0 Figures

MACON COUNTY
OLD FRANKLIN LANDFILL
WATER QUALITY MONITORING PROGRAM

2ND SEMI-ANNUAL 2007 EVENT
SHALLOW POTENTIOMETRIC CONTOURS

LEGEND

✱	SEMI-ANNUAL MONITORING WELL
✱	BIENNIAL MONITORING WELL (NOT SAMPLED THIS EVENT)
MW-3	MONITORING WELL ID
2078.37	STATIC GROUNDWATER ELEVATION
—2110—	GROUNDWATER POTENTIOMETRIC CONTOURS
—2150—	TOPOGRAPHIC CONTOURS
	APPROXIMATE WASTE LIMITS
	ROAD
	PROPERTY LINE
□	RESIDENTIAL WELL SAMPLE

ALL MEASUREMENTS IN FEET
SCALE: 1' = 200'

N

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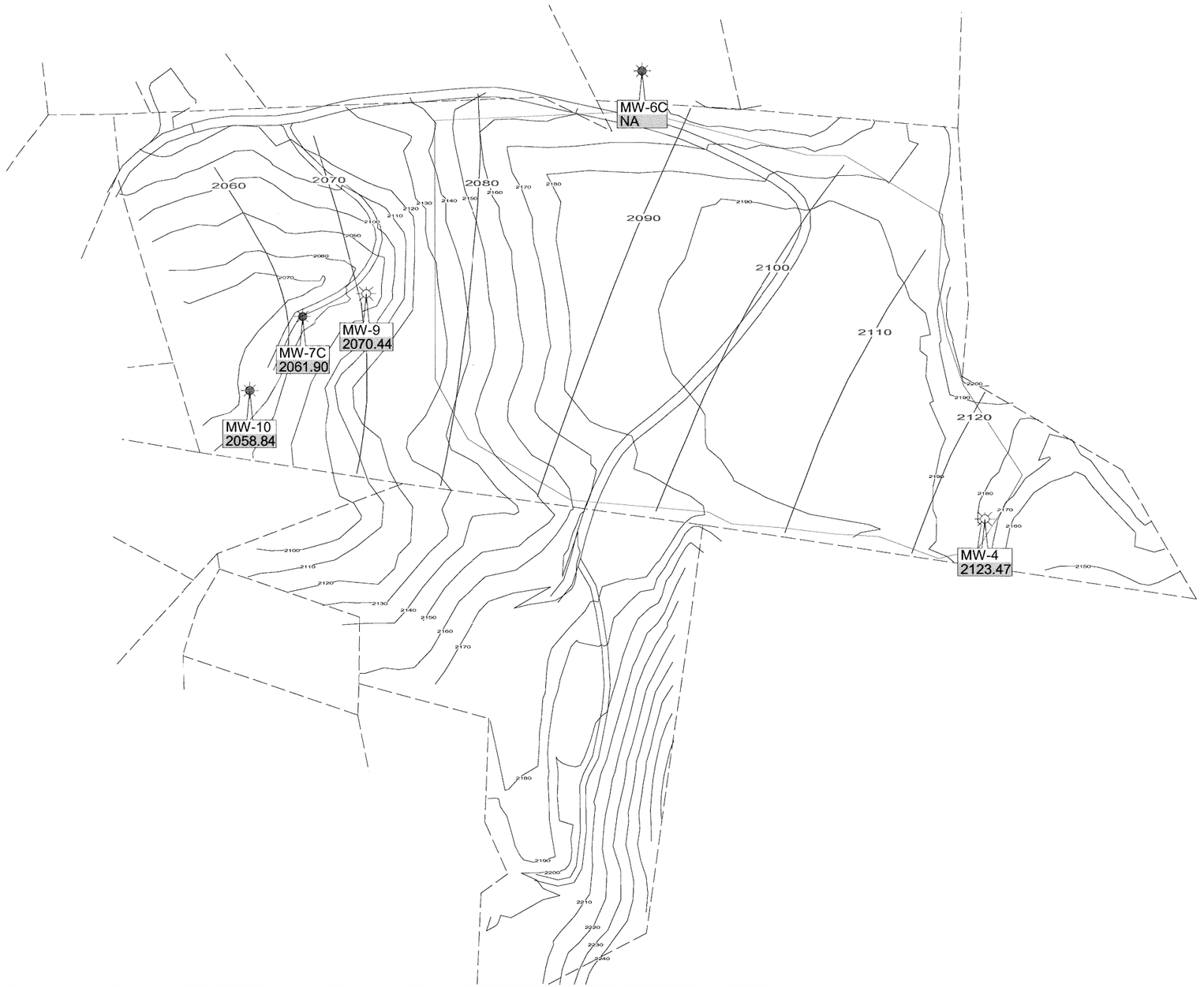
JANUARY 2008



MACON COUNTY
OLD FRANKLIN LANDFILL
WATER QUALITY MONITORING PROGRAM

2ND SEMI-ANNUAL 2007 EVENT
BEDROCK POTENTIOMETRIC CONTOURS

LEGEND

- ✷ SEMI-ANNUAL MONITORING WELL
- ✲ BIENNIAL MONITORING WELL (NOT SAMPLED THIS EVENT)
- MW-10 MONITORING WELL ID
- 2058.84 STATIC GROUNDWATER ELEVATION
- —2100— GROUNDWATER POTENTIOMETRIC CONTOURS
- —2150— TOPOGRAPHIC CONTOURS
- APPROXIMATE WASTE LIMITS
- ROAD
- PROPERTY LINE
- NA NO STATIC WATER LEVEL OR SAMPLE AVAILABLE - WELL OBSTRUCTED

ALL MEASUREMENTS IN FEET
SCALE: 1' = 200'

N

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JANUARY 2008

8.0 Tables

Table 1

Old Franklin Landfill

-Sampling Information-

Permit:
2nd Semi-Annual Monitoring 2007

Sampling Date: 10-17-07
Sampler(s): R Farley/ A McBride/J. Logan
Weather Conditions: Cloudy 65°F

Sampling Log Summaries

Property	Units	MW-1	MW-3	MW-6	MW-6C	MW-7	MW-7C	MW-10	Haire
Sampling Depth	**Feet**	31.73	60.09	41.66	NS	19.86	18.28	18.36	-
Static Depth	**Feet**	31.46	58.73	39.88	NS	19.60	18.20	15.36	-
Well Depth	**Feet**	43.89	63.08	45.52	NS	23.39	54.35	108.10	-
Water Column Height	**Feet**	12.43	4.35	5.64	NS	3.79	36.15	92.74	-
Volume Purged	**Liters**	20	7	11	NS	3	60	150	-
Purging Status	**-----**	Finished	Purged Dry	Finished	NS	Purged Dry	Finished	Finished	-
				Physical Properties					
pH	**SU**	6.28	6.23	5.50	NS	5.88	5.95	6.31	5.53
Temperature	**°C**	16.9	15.7	14.8	NS	16.4	17.4	15.2	16.6
Conductivity	**umhos/cm**	535	307	91.8	NS	464	660	580	63.6
Turbidity	**NTU**	82.5	>200	>200	NS	>200	6.12	4.2	4.05
Appearance	**-----**	Cloudy no odor	Muddy no odor	Cloudy no odor	NS NS	Muddy no odor	Clear no odor	Clear slight odor	Clear no odor
TSS	**mg/L**	123	741	480	NS	244	7	6	2

NS - no sample

Table 2

Old Franklin Landfill

Permit: #57-01

2nd Semi Annual 2007

-Summary of Detections-

				Summary of Detections by Monitoring Well/Sampling Point						
	Parameter	**NC 2L**	**SWSL**	**MW-1**	**MW-3**	**MW-6**	**MW-7**	**MW-7C**	**MW-10**	**Haire**
VOCs	Benzene	**1**	**1**	4.7		3.2		1.3		
	cis-1,2-Dichloroethene	**70**	**5**	14.4		9.2		6.5		
	Chlorobenzene	**50**	**3**	5.6				9.5		
	1,4-Dichlorobenzene	**1.4**	**1**	13.3	1.6	16.9		8.2	4.9	
	Methylene chloride	**4.6**	**1**			11.6				
	Tetrachloroethene	**0.7**	**1**	2.4		1.5				
	Trichloroethene	**2.8**	**1**	2.3		1.1				
	Vinyl Chloride	**0.015**	**1**	1.4						
	Xylenes	**530**	**3**			7.3				
Total Metals	Arsenic	**50**	**10**							
	Barium	**2000**	**100**	273	266	317	6220	422	115	
	Beryllium	**NL**	**1**				1.2			
	Cobalt	**NL**	**10**		16.1	12.7	14.7	11.5		
	Copper	**1000**	**10**				27.0			25.0
	Lead	**15**	**10**				9.5			
	Zinc	**1050**	**10**			11.4	59	62.4		11.5
	TSS			123	741	480	244	7	6	2

Footnotes:

SWSL - Solid Waste Section Limits

NL - constituent does not have a NC 2L Standard

BOLD red indicates that constituent exceeds NC 2L Standard

All constituents reported in ug/L except TSS, reported in mg/L

Only constituents detected above SWSLs are listed.

Appendix A

Groundwater Flow Rate

Flow Path

X	Y	Distance (ft)
-1502.2	71.0	
-1475.6	82.2	28.9
-1449.8	91.6	27.5
-1429.2	97.6	21.5
-1412.0	100.2	17.4
-1375.1	105.3	37.3
-1326.2	109.6	49.1
-1277.2	117.4	49.6
-1219.7	125.9	58.1
-1163.9	132.0	56.1
-1127.8	132.0	36.1
-1090.0	128.5	38.0
-1070.3	123.4	20.3
-1011.0	103.6	62.5
-969.8	85.6	45.0
-926.0	62.4	49.6
-908.0	51.2	21.2
-886.5	32.3	28.6
-848.7	-2.0	51.0
-825.5	-33.8	39.4
-793.8	-86.2	61.2
-776.6	-127.4	44.6
-762.9	-168.6	43.4
-751.7	-211.5	44.3
-744.0	-242.4	31.8
-740.5	-261.3	19.2

Horizontal Distance	981.8	ft
Vertical Difference	90	ft

Hydraulic gradient, I	0.092 ft/ft
K	4.8E-04 cm/sec
n_{eff}	0.3
$V = KI/n_{eff}$	152 ft/yr

Appendix B

Field Sample Logs

REI CONSULTANTS GROUNDWATER SAMPLING LOG

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

WELL CONDITION DATA

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

Comments:

PURGING DATA

Date/Time: 10-17-07 1318 **Weather Conditions:** Cloudy 70°F

Static Depth (Depth to Water)	31.46 (Ft)	Volume	7.19 (Liters)
Well Depth	43.89 (Ft)	3 Volumes	21.59 (Liters)
Water Column Height	12.43 (Ft)	Volume Purged	20.00 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1324	6.28	534	17.2	9.20	1
1326	6.29	535	16.6	>200	5
1330	6.29	537	16.4	>200	10
1333	6.27	536	16.6	>200	15
1335	6.29	536	16.6	>200	20
1335		Finished Purging			20

SAMPLING DATA

Date:	10-17-07	**Time:**	1340	
Method:	Teflon Bailer	**Sampling Depth:**	31.73'	
pH:	6.28	**Conductivity:**	535	(umhos/cm)
Temperature:	16.9 (°C)	**Turbidity:**	82.5	(NTU)

Odor and Physical Appearance of Sample: Cloudy - no odor

Comments:

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

Sampler's Signature: Allen McBride **Date:** 10-17-07

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

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name:	Old Franklin Landfill	**Project :**	2nd Semi 2007	**Well #:**	MW-3
Contact Person:	Chris Stahl	**Phone #:**	(828) 349-2100		

WELL CONDITION DATA

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

Comments:

PURGING DATA

Date/Time: 10-17-07 1428 **Weather Conditions:** Cloudy 75°F

Static Depth (Depth to Water)	58.73 (Ft)	Volume	2.51 (Liters)
Well Depth	63.08 (Ft)	3 Volumes	7.55 (Liters)
Water Column Height	4.35 (Ft)	Volume Purged	7 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1434	6.30	371	16.6	38.0	1
1437	6.27	364	15.3	>200	4
1442	6.35	337	15.3	>200	7
1442		Purged Dry			7

SAMPLING DATA

Date:	10-17-07	**Time:**	1459	
Method:	Teflon Bailer	**Sampling Depth:**	60.09'	
pH:	6.23	**Conductivity:**	307	(umhos/cm)
Temperature:	15.7 (°C)	**Turbidity:**	>200	(NTU)

Odor and Physical Appearance of Sample: Muddy - no odor

Comments:

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

Sampler's Signature: Allen McBride **Date:** 10-17-07

REI CONSULTANTS GROUNDWATER SAMPLING LOG

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

WELL CONDITION DATA

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

Comments:

PURGING DATA

Date/Time: 10-17-07 1030 **Weather Conditions:** Cloudy 65°F

Static Depth (Depth to Water)	39.88 (Ft)	Volume	3.26 (Liters)
Well Depth	45.52 (Ft)	3 Volumes	9.79 (Liters)
Water Column Height	5.64 (Ft)	Volume Purged	11 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1055	5.45	95.7	15.1	>200	1
1056	5.46	96.9	14.8	>200	3
1057	5.51	98.7	14.7	>200	5
1058	5.51	98.2	14.7	>200	7
1059	5.51	101.3	14.7	>200	9
1102	5.55	94.2	14.7	>200	11
1102		Finished Purging			11

SAMPLING DATA

Date:	10-17-07	**Time:**	1118		
Method:	Teflon Bailer	**Sampling Depth:**	41.66'		
pH:	5.50	**Conductivity:**	91.8		(umhos/cm)
Temperature:	14.8 (°C)	**Turbidity:**	>200		(NTU)

Odor and Physical Appearance of Sample: Cloudy - no odor

Comments:

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

Sampler's Signature: **Date:** 10-17-07

REI CONSULTANTS GROUNDWATER SAMPLING LOG

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

WELL CONDITION DATA

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

Comments: Well blocked at 46.75'

PURGING DATA

Date/Time: **Weather Conditions:**

Static Depth (Depth to Water)	(Ft)	Volume	(Liters)
Well Depth	(Ft)	3 Volumes	(Liters)
Water Column Height	(Ft)	Volume Purged	(Liters)

EVACUATION/STABILIZATION TEST DATA

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

SAMPLING DATA

Date:		**Time:**	
Method:		**Sampling Depth:**	
pH:		**Conductivity:**	(umhos/cm)
Temperature:	(°C)	**Turbidity:**	(NTU)

Odor and Physical Appearance of Sample:

Comments:

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

Sampler's Signature: Allen McBride **Date:**

REI CONSULTANTS GROUNDWATER SAMPLING LOG

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

WELL CONDITION DATA

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

Comments:

PURGING DATA

Date/Time: 10-17-07 1233 **Weather Conditions:** Cloudy 70°F

Static Depth (Depth to Water)	19.60 (Ft)	Volume	2.19 (Liters)
Well Depth	23.39 (Ft)	3 Volumes	6.58 (Liters)
Water Column Height	3.79 (Ft)	Volume Purged	3 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1238	5.97	362	16.6	>200	1
1239	5.87	380	16.0	>200	3
1239		Purged Dry			3

SAMPLING DATA

Date:	10-17-07	**Time:**	1255	
Method:	Teflon Bailer	**Sampling Depth:**	19.86'	
pH:	5.88	**Conductivity:**	464	(umhos/cm)
Temperature:	16.4 (°C)	**Turbidity:**	>200	(NTU)

Odor and Physical Appearance of Sample: Muddy - no odor

Comments:

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

Sampler's Signature: Allen McBride **Date:** 10-17-07

REI CONSULTANTS GROUNDWATER SAMPLING LOG

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

WELL CONDITION DATA

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

Comments:

PURGING DATA

Date/Time: 10-17-07 1231 **Weather Conditions:** Cloudy 70°F

Static Depth (Depth to Water)	18.20 (Ft)	Volume	20.93 (Liters)
Well Depth	54.35 (Ft)	3 Volumes	62.79 (Liters)
Water Column Height	36.15 (Ft)	Volume Purged	60 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1241	6.44	655	16.3	4.45	1
1243	6.48	664	16.5	4.05	12
1247	6.03	663	16.4	3.30	24
1249	6.01	663	16.4	5.55	36
1252	6.02	665	16.5	1.49	48
1257	6.02	668	16.4	1.31	60
1257		Finished Purging			60

SAMPLING DATA

Date:	10-17-07	**Time:**	1300
Method:	Teflon Bailer	**Sampling Depth:**	18.28'
pH:	5.95/Dupe 5.98	**Conductivity:** 660/Dupe 665	**(umhos/cm)**
Temperature: 17.4/Dupe 17.3 (°C)		**Turbidity:** 6.12/Dupe 6.85	**(NTU)**

Odor and Physical Appearance of Sample: Clear - no odor

Comments:

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

Sampler's Signature: Allen McBride **Date:** 10-17-07

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

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name:	Old Franklin Landfill	**Project :**	2nd Semi 2007	**Well #:**	MW-10
Contact Person:	Chris Stahl	**Phone #:**	(828) 349-2100		

WELL CONDITION DATA

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

Comments:

PURGING DATA

Date/Time: 10-17-07 1136 **Weather Conditions:** Cloudy 65°F

Static Depth (Depth to Water)	15.36 (Ft)	Volume	53.69 (Liters)
Well Depth	108.10 (Ft)	3 Volumes	161.08 (Liters)
Water Column Height	92.74 (Ft)	Volume Purged	150 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1144	6.36	545	15.4	4.04	1
1150	6.30	545	14.5	13.87	30
1156	6.28	557	14.6	5.90	60
1202	6.30	585	14.6	1.86	90
1209	6.32	586	14.6	1.36	120
1214	6.32	580	14.6	0.82	150
1214		Finished Purging			150

SAMPLING DATA

Date:	10-17-07	**Time:**	1222	
Method:	Teflon Bailer	**Sampling Depth:**	18.36'	
pH:	6.31	**Conductivity:**	580	**(umhos/cm)**
Temperature:	15.2 (°C)	**Turbidity:**	4.20	**(NTU)**

Odor and Physical Appearance of Sample: Clear - slight odor

Comments:

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

Sampler's Signature: Allen McBride **Date:** 10-17-07

Surface Water Sampling Log

REI Consultants, Inc.

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

Outlet:	Haire			
Date:	10-17-07	Time:	1125	
pH:	5.53	Conductivity:	63.6	*umhos/cm*
Flow:	NA	Temperature:	16.6	^{o}C
Sampled Odor and Physical Appearance:		Clear - no odor		
Comments:	Turbidity 4.05 NTU			
Outlet:	Dowdle			
Date:	No sample	Time:		
pH:		Conductivity:		*umhos/cm*
Flow:	NA	Temperature:		^{o}C
Sampled Odor and Physical Appearance:				
Comments:	Turbidity NTU			
Outlet:				
Date:		Time:		
pH:		Conductivity:		*umhos/cm*
Flow:	NA	Temperature:		^{o}C
Sampled Odor and Physical Appearance:				
Comments:	Turbidity NTU			

Appendix C

Laboratory Reports and Chain-of-Custody

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

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

February 14, 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 FRANKLIN LANDFILL

Order No.: 0710A69

Dear Mr. Chris Stahl:

REI Consultants, Inc. received 9 sample(s) on 10/18/2007 for the analyses presented in the following report.

Please note two changes you may see on your report.

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

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

Sincerely,

Beth Johnson

Beth Johnson
Project Manager

ACCREDITED IN ACCORDANCE WITH nelac

REIC

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

Case Narrative

WO#: **0710A69**

Date: **2/14/2008**

CLIENT: MACON COUNTY SOLID WASTE MAN

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

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

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

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

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

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

REI Consultants, Inc. Analytical Results

Date: *14-Feb-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A69
Client Sample ID:	MW-1	**Lab ID:**	0710A69-01A
Project:	OLD FRANKLIN LANDFILL	**Collection Date:**	10/17/2007 1:40:00 PM
Site ID:	OLD FRANKLIN L.F/N.C	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DBB**
Antimony	ND	mg/L		0.00040	0.0060	10/19/2007 7:52:17 AM
Arsenic	ND	mg/L		0.00200	0.0100	10/19/2007 7:52:17 AM
Barium	0.273	mg/L		0.00100	0.100	10/19/2007 7:52:17 AM
Beryllium	ND	mg/L		0.00020	0.0010	10/19/2007 7:52:17 AM
Cadmium	ND	mg/L		0.00020	0.0010	10/19/2007 7:52:17 AM
Chromium	J	mg/L	J	0.00100	0.0100	10/19/2007 7:52:17 AM
Cobalt	J	mg/L	J	0.00100	0.0100	10/19/2007 7:52:17 AM
Copper	J	mg/L	J	0.00100	0.0100	10/19/2007 7:52:17 AM
Lead	J	mg/L	J	0.00020	0.0100	10/19/2007 7:52:17 AM
Nickel	J	mg/L	J	0.00200	0.0500	10/19/2007 7:52:17 AM
Selenium	ND	mg/L		0.00300	0.0100	10/19/2007 7:52:17 AM
Silver	J	mg/L	J	0.00100	0.0100	10/19/2007 7:52:17 AM
Thallium	ND	mg/L		0.00020	0.0050	10/19/2007 7:52:17 AM
Vanadium	J	mg/L	J	0.00100	0.0200	10/19/2007 7:52:17 AM
Zinc	J	mg/L	J	0.00300	0.0100	10/19/2007 7:52:17 AM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	100	10/20/2007 3:46:00 AM
Acrylonitrile	ND	µg/L		4.24	200	10/20/2007 3:46:00 AM
Benzene	4.7	µg/L		0.13	1.0	10/20/2007 3:46:00 AM
Bromochloromethane	ND	µg/L		0.35	3.0	10/20/2007 3:46:00 AM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/20/2007 3:46:00 AM
Bromoform	ND	µg/L		0.40	3.0	10/20/2007 3:46:00 AM
Bromomethane	ND	µg/L		0.50	10.0	10/20/2007 3:46:00 AM
2-Butanone	ND	µg/L		4.68	100	10/20/2007 3:46:00 AM
Carbon disulfide	ND	µg/L		1.27	100	10/20/2007 3:46:00 AM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/20/2007 3:46:00 AM
Chlorobenzene	5.6	µg/L		0.18	3.0	10/20/2007 3:46:00 AM
Chloroethane	ND	µg/L		0.94	10.0	10/20/2007 3:46:00 AM
Chloroform	ND	µg/L		0.25	5.0	10/20/2007 3:46:00 AM
Chloromethane	ND	µg/L		0.33	1.0	10/20/2007 3:46:00 AM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/20/2007 3:46:00 AM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	1.0	10/20/2007 3:46:00 AM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/20/2007 3:46:00 AM
Dibromomethane	ND	µg/L		0.29	10.0	10/20/2007 3:46:00 AM
1,2-Dichlorobenzene	J	µg/L	J	0.45	5.0	10/20/2007 3:46:00 AM
1,4-Dichlorobenzene	13.3	µg/L		0.29	1.0	10/20/2007 3:46:00 AM

Key:

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

REI Consultants, Inc. Analytical Results

Date: *14-Feb-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A69
Client Sample ID:	MW-1	**Lab ID:**	0710A69-01A
Project:	OLD FRANKLIN LANDFILL	**Collection Date:**	10/17/2007 1:40:00 PM
Site ID:	OLD FRANKLIN L.F/N.C	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	100	10/20/2007 3:46:00 AM
1,1-Dichloroethane	J	µg/L	J	0.38	5.0	10/20/2007 3:46:00 AM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/20/2007 3:46:00 AM
1,1-Dichloroethene	ND	µg/L		0.33	5.0	10/20/2007 3:46:00 AM
cis-1,2-Dichloroethene	14.4	µg/L		0.23	5.0	10/20/2007 3:46:00 AM
trans-1,2-Dichloroethene	ND	µg/L		0.39	5.0	10/20/2007 3:46:00 AM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/20/2007 3:46:00 AM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/20/2007 3:46:00 AM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/20/2007 3:46:00 AM
Ethylbenzene	ND	µg/L		0.18	1.0	10/20/2007 3:46:00 AM
2-Hexanone	ND	µg/L		4.11	50.0	10/20/2007 3:46:00 AM
Iodomethane	ND	µg/L		3.44	10.0	10/20/2007 3:46:00 AM
Methylene chloride	J	µg/L	J	0.54	1.0	10/20/2007 3:46:00 AM
4-Methyl-2-pentanone	ND	µg/L		4.40	100	10/20/2007 3:46:00 AM
Styrene	ND	µg/L		0.24	1.0	10/20/2007 3:46:00 AM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	5.0	10/20/2007 3:46:00 AM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/20/2007 3:46:00 AM
Tetrachloroethene	2.4	µg/L		0.20	1.0	10/20/2007 3:46:00 AM
Toluene	ND	µg/L		0.17	1.0	10/20/2007 3:46:00 AM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/20/2007 3:46:00 AM
1,1,2-Trichloroethane	ND	µg/L		0.49	5.0	10/20/2007 3:46:00 AM
Trichloroethene	2.3	µg/L		0.30	1.0	10/20/2007 3:46:00 AM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/20/2007 3:46:00 AM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/20/2007 3:46:00 AM
Vinyl acetate	ND	µg/L		4.87	50.0	10/20/2007 3:46:00 AM
Vinyl chloride	1.4	µg/L		0.22	1.0	10/20/2007 3:46:00 AM
o-Xylene	ND	µg/L		0.19	1.0	10/20/2007 3:46:00 AM
m,p-Xylene	ND	µg/L		0.29	2.0	10/20/2007 3:46:00 AM
Surr: 1,2-Dichloroethane-d4	102	%REC			80-120	10/20/2007 3:46:00 AM
Surr: 4-Bromofluorobenzene	113	%REC			86-115	10/20/2007 3:46:00 AM
Surr: Dibromofluoromethane	96.6	%REC			80-120	10/20/2007 3:46:00 AM
Surr: Toluene-d8	118	%REC	S		88-110	10/20/2007 3:46:00 AM

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

REI Consultants, Inc. Analytical Results

Date: *14-Feb-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A69
Client Sample ID:	MW-3	**Lab ID:**	0710A69-02A
Project:	OLD FRANKLIN LANDFILL	**Collection Date:**	10/17/2007 2:59:00 PM
Site ID:	OLD FRANKLIN L.F/N.C	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DBB**
Antimony	ND	mg/L		0.00040	0.0060	10/19/2007 7:58:10 AM
Arsenic	ND	mg/L		0.00200	0.0100	10/19/2007 7:58:10 AM
Barium	0.266	mg/L		0.00100	0.100	10/19/2007 7:58:10 AM
Beryllium	ND	mg/L		0.00020	0.0010	10/19/2007 7:58:10 AM
Cadmium	J	mg/L	J	0.00020	0.0010	10/19/2007 7:58:10 AM
Chromium	J	mg/L	J	0.00100	0.0100	10/19/2007 7:58:10 AM
Cobalt	0.0161	mg/L		0.00100	0.0100	10/19/2007 7:58:10 AM
Copper	J	mg/L	J	0.00100	0.0100	10/19/2007 7:58:10 AM
Lead	J	mg/L	J	0.00020	0.0100	10/19/2007 7:58:10 AM
Nickel	J	mg/L	J	0.00200	0.0500	10/19/2007 7:58:10 AM
Selenium	ND	mg/L		0.00300	0.0100	10/19/2007 7:58:10 AM
Silver	J	mg/L	J	0.00100	0.0100	10/19/2007 7:58:10 AM
Thallium	ND	mg/L		0.00020	0.0050	10/19/2007 7:58:10 AM
Vanadium	J	mg/L	J	0.00100	0.0200	10/19/2007 7:58:10 AM
Zinc	J	mg/L	J	0.00300	0.0100	10/19/2007 7:58:10 AM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	100	10/20/2007 4:19:00 AM
Acrylonitrile	ND	µg/L		4.24	200	10/20/2007 4:19:00 AM
Benzene	J	µg/L	J	0.13	1.0	10/20/2007 4:19:00 AM
Bromochloromethane	ND	µg/L		0.35	3.0	10/20/2007 4:19:00 AM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/20/2007 4:19:00 AM
Bromoform	ND	µg/L		0.40	3.0	10/20/2007 4:19:00 AM
Bromomethane	ND	µg/L		0.50	10.0	10/20/2007 4:19:00 AM
2-Butanone	ND	µg/L		4.68	100	10/20/2007 4:19:00 AM
Carbon disulfide	ND	µg/L		1.27	100	10/20/2007 4:19:00 AM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/20/2007 4:19:00 AM
Chlorobenzene	J	µg/L	J	0.18	3.0	10/20/2007 4:19:00 AM
Chloroethane	ND	µg/L		0.94	10.0	10/20/2007 4:19:00 AM
Chloroform	ND	µg/L		0.25	5.0	10/20/2007 4:19:00 AM
Chloromethane	ND	µg/L		0.33	1.0	10/20/2007 4:19:00 AM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/20/2007 4:19:00 AM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	1.0	10/20/2007 4:19:00 AM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/20/2007 4:19:00 AM
Dibromomethane	ND	µg/L		0.29	10.0	10/20/2007 4:19:00 AM
1,2-Dichlorobenzene	ND	µg/L		0.45	5.0	10/20/2007 4:19:00 AM
1,4-Dichlorobenzene	1.6	µg/L		0.29	1.0	10/20/2007 4:19:00 AM

Key:

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

REI Consultants, Inc. Analytical Results

Date: *14-Feb-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A69
Client Sample ID:	MW-3	**Lab ID:**	0710A69-02A
Project:	OLD FRANKLIN LANDFILL	**Collection Date:**	10/17/2007 2:59:00 PM
Site ID:	OLD FRANKLIN L.F/N.C	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	100	10/20/2007 4:19:00 AM
1,1-Dichloroethane	ND	µg/L		0.38	5.0	10/20/2007 4:19:00 AM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/20/2007 4:19:00 AM
1,1-Dichloroethene	ND	µg/L		0.33	5.0	10/20/2007 4:19:00 AM
cis-1,2-Dichloroethene	J	µg/L	J	0.23	5.0	10/20/2007 4:19:00 AM
trans-1,2-Dichloroethene	ND	µg/L		0.39	5.0	10/20/2007 4:19:00 AM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/20/2007 4:19:00 AM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/20/2007 4:19:00 AM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/20/2007 4:19:00 AM
Ethylbenzene	ND	µg/L		0.18	1.0	10/20/2007 4:19:00 AM
2-Hexanone	ND	µg/L		4.11	50.0	10/20/2007 4:19:00 AM
Iodomethane	ND	µg/L		3.44	10.0	10/20/2007 4:19:00 AM
Methylene chloride	J	µg/L	J	0.54	1.0	10/20/2007 4:19:00 AM
4-Methyl-2-pentanone	ND	µg/L		4.40	100	10/20/2007 4:19:00 AM
Styrene	ND	µg/L		0.24	1.0	10/20/2007 4:19:00 AM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	5.0	10/20/2007 4:19:00 AM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/20/2007 4:19:00 AM
Tetrachloroethene	ND	µg/L		0.20	1.0	10/20/2007 4:19:00 AM
Toluene	ND	µg/L		0.17	1.0	10/20/2007 4:19:00 AM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/20/2007 4:19:00 AM
1,1,2-Trichloroethane	ND	µg/L		0.49	5.0	10/20/2007 4:19:00 AM
Trichloroethene	ND	µg/L		0.30	1.0	10/20/2007 4:19:00 AM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/20/2007 4:19:00 AM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/20/2007 4:19:00 AM
Vinyl acetate	ND	µg/L		4.87	50.0	10/20/2007 4:19:00 AM
Vinyl chloride	ND	µg/L		0.22	1.0	10/20/2007 4:19:00 AM
o-Xylene	ND	µg/L		0.19	1.0	10/20/2007 4:19:00 AM
m,p-Xylene	ND	µg/L		0.29	2.0	10/20/2007 4:19:00 AM
Surr: 1,2-Dichloroethane-d4	101	%REC			80-120	10/20/2007 4:19:00 AM
Surr: 4-Bromofluorobenzene	115	%REC			86-115	10/20/2007 4:19:00 AM
Surr: Dibromofluoromethane	95.8	%REC			80-120	10/20/2007 4:19:00 AM
Surr: Toluene-d8	117	%REC	S		88-110	10/20/2007 4:19:00 AM

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

REI Consultants, Inc. Analytical Results

Date: *14-Feb-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A69
Client Sample ID:	MW-6	**Lab ID:**	0710A69-03A
Project:	OLD FRANKLIN LANDFILL	**Collection Date:**	10/17/2007 11:18:00 AM
Site ID:	OLD FRANKLIN L.F/N.C	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DBB**
Antimony	ND	mg/L		0.00040	0.0060	10/19/2007 8:04:01 AM
Arsenic	ND	mg/L		0.00200	0.0100	10/19/2007 8:04:01 AM
Barium	0.317	mg/L		0.00100	0.100	10/19/2007 8:04:01 AM
Beryllium	ND	mg/L		0.00020	0.0010	10/19/2007 8:04:01 AM
Cadmium	J	mg/L	J	0.00020	0.0010	10/19/2007 8:04:01 AM
Chromium	ND	mg/L		0.00100	0.0100	10/19/2007 8:04:01 AM
Cobalt	0.0127	mg/L		0.00100	0.0100	10/19/2007 8:04:01 AM
Copper	J	mg/L	J	0.00100	0.0100	10/19/2007 8:04:01 AM
Lead	J	mg/L	J	0.00020	0.0100	10/19/2007 8:04:01 AM
Nickel	J	mg/L	J	0.00200	0.0500	10/19/2007 8:04:01 AM
Selenium	ND	mg/L		0.00300	0.0100	10/19/2007 8:04:01 AM
Silver	J	mg/L	J	0.00100	0.0100	10/19/2007 8:04:01 AM
Thallium	ND	mg/L		0.00020	0.0050	10/19/2007 8:04:01 AM
Vanadium	J	mg/L	J	0.00100	0.0200	10/19/2007 8:04:01 AM
Zinc	0.0114	mg/L		0.00300	0.0100	10/19/2007 8:04:01 AM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	100	10/20/2007 9:15:00 AM
Acrylonitrile	ND	µg/L		4.24	200	10/20/2007 9:15:00 AM
Benzene	3.2	µg/L		0.13	1.0	10/20/2007 9:15:00 AM
Bromochloromethane	ND	µg/L		0.35	3.0	10/20/2007 9:15:00 AM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/20/2007 9:15:00 AM
Bromoform	ND	µg/L		0.40	3.0	10/20/2007 9:15:00 AM
Bromomethane	ND	µg/L		0.50	10.0	10/20/2007 9:15:00 AM
2-Butanone	ND	µg/L		4.68	100	10/20/2007 9:15:00 AM
Carbon disulfide	ND	µg/L		1.27	100	10/20/2007 9:15:00 AM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/20/2007 9:15:00 AM
Chlorobenzene	J	µg/L	J	0.18	3.0	10/20/2007 9:15:00 AM
Chloroethane	ND	µg/L		0.94	10.0	10/20/2007 9:15:00 AM
Chloroform	ND	µg/L		0.25	5.0	10/20/2007 9:15:00 AM
Chloromethane	ND	µg/L		0.33	1.0	10/20/2007 9:15:00 AM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/20/2007 9:15:00 AM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	1.0	10/20/2007 9:15:00 AM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/20/2007 9:15:00 AM
Dibromomethane	ND	µg/L		0.29	10.0	10/20/2007 9:15:00 AM
1,2-Dichlorobenzene	ND	µg/L		0.45	5.0	10/20/2007 9:15:00 AM
1,4-Dichlorobenzene	16.9	µg/L		0.29	1.0	10/20/2007 9:15:00 AM

Key:

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

REI Consultants, Inc. Analytical Results

Date: *14-Feb-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A69
Client Sample ID:	MW-6	**Lab ID:**	0710A69-03A
Project:	OLD FRANKLIN LANDFILL	**Collection Date:**	10/17/2007 11:18:00 AM
Site ID:	OLD FRANKLIN L.F/N.C	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	100	10/20/2007 9:15:00 AM
1,1-Dichloroethane	J	µg/L	J	0.38	5.0	10/20/2007 9:15:00 AM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/20/2007 9:15:00 AM
1,1-Dichloroethene	ND	µg/L		0.33	5.0	10/20/2007 9:15:00 AM
cis-1,2-Dichloroethene	9.2	µg/L		0.23	5.0	10/20/2007 9:15:00 AM
trans-1,2-Dichloroethene	ND	µg/L		0.39	5.0	10/20/2007 9:15:00 AM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/20/2007 9:15:00 AM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/20/2007 9:15:00 AM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/20/2007 9:15:00 AM
Ethylbenzene	ND	µg/L		0.18	1.0	10/20/2007 9:15:00 AM
2-Hexanone	ND	µg/L		4.11	50.0	10/20/2007 9:15:00 AM
Iodomethane	ND	µg/L		3.44	10.0	10/20/2007 9:15:00 AM
Methylene chloride	11.6	µg/L		0.54	1.0	10/20/2007 9:15:00 AM
4-Methyl-2-pentanone	ND	µg/L		4.40	100	10/20/2007 9:15:00 AM
Styrene	ND	µg/L		0.24	1.0	10/20/2007 9:15:00 AM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	5.0	10/20/2007 9:15:00 AM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/20/2007 9:15:00 AM
Tetrachloroethene	1.5	µg/L		0.20	1.0	10/20/2007 9:15:00 AM
Toluene	ND	µg/L		0.17	1.0	10/20/2007 9:15:00 AM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/20/2007 9:15:00 AM
1,1,2-Trichloroethane	ND	µg/L		0.49	5.0	10/20/2007 9:15:00 AM
Trichloroethene	1.1	µg/L		0.30	1.0	10/20/2007 9:15:00 AM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/20/2007 9:15:00 AM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/20/2007 9:15:00 AM
Vinyl acetate	ND	µg/L		4.87	50.0	10/20/2007 9:15:00 AM
Vinyl chloride	ND	µg/L		0.22	1.0	10/20/2007 9:15:00 AM
o-Xylene	7.3	µg/L		0.19	1.0	10/20/2007 9:15:00 AM
m,p-Xylene	ND	µg/L		0.29	2.0	10/20/2007 9:15:00 AM
Surr: 1,2-Dichloroethane-d4	95.6	%REC			80-120	10/20/2007 9:15:00 AM
Surr: 4-Bromofluorobenzene	111	%REC			86-115	10/20/2007 9:15:00 AM
Surr: Dibromofluoromethane	94.1	%REC			80-120	10/20/2007 9:15:00 AM
Surr: Toluene-d8	122	%REC	S		88-110	10/20/2007 9:15:00 AM

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

REI Consultants, Inc. Analytical Results

Date: *14-Feb-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A69
Client Sample ID:	MW-7	**Lab ID:**	0710A69-04A
Project:	OLD FRANKLIN LANDFILL	**Collection Date:**	10/17/2007 12:55:00 PM
Site ID:	OLD FRANKLIN L.F/N.C	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DBB**
Antimony	ND	mg/L		0.00020	0.0010	10/19/2007 8:09:54 AM
Arsenic	J	mg/L	J	0.00100	0.0100	10/19/2007 8:09:54 AM
Barium	6.22	mg/L		0.00100	0.0100	10/19/2007 8:09:54 AM
Beryllium	0.0012	mg/L		0.00020	0.0010	10/19/2007 8:09:54 AM
Cadmium	J	mg/L	J	0.00020	0.0010	10/19/2007 8:09:54 AM
Chromium	J	mg/L	J	0.00100	0.0050	10/19/2007 8:09:54 AM
Cobalt	0.0147	mg/L		0.00100	0.0050	10/19/2007 8:09:54 AM
Copper	0.0270	mg/L		0.00100	0.0050	10/19/2007 8:09:54 AM
Lead	0.0095	mg/L		0.00020	0.0010	10/19/2007 8:09:54 AM
Nickel	J	mg/L	J	0.00200	0.0100	10/19/2007 8:09:54 AM
Selenium	J	mg/L	J	0.00200	0.0100	10/19/2007 8:09:54 AM
Silver	J	mg/L	J	0.00020	0.0050	10/19/2007 8:09:54 AM
Thallium	J	mg/L	J	0.00020	0.0010	10/19/2007 8:09:54 AM
Vanadium	J	mg/L	J	0.00100	0.0100	10/19/2007 8:09:54 AM
Zinc	0.0593	mg/L		0.00300	0.0100	10/19/2007 8:09:54 AM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	100	10/22/2007 11:16:00 AM
Acrylonitrile	ND	µg/L		4.24	200	10/22/2007 11:16:00 AM
Benzene	ND	µg/L		0.13	1.0	10/22/2007 11:16:00 AM
Bromochloromethane	ND	µg/L		0.35	3.0	10/22/2007 11:16:00 AM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/22/2007 11:16:00 AM
Bromoform	ND	µg/L		0.40	3.0	10/22/2007 11:16:00 AM
Bromomethane	ND	µg/L		0.50	10.0	10/22/2007 11:16:00 AM
2-Butanone	ND	µg/L		4.68	100	10/22/2007 11:16:00 AM
Carbon disulfide	ND	µg/L		1.27	100	10/22/2007 11:16:00 AM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/22/2007 11:16:00 AM
Chlorobenzene	J	µg/L	J	0.18	3.0	10/22/2007 11:16:00 AM
Chloroethane	ND	µg/L		0.94	10.0	10/22/2007 11:16:00 AM
Chloroform	ND	µg/L		0.25	5.0	10/22/2007 11:16:00 AM
Chloromethane	ND	µg/L		0.33	1.0	10/22/2007 11:16:00 AM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/22/2007 11:16:00 AM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	1.0	10/22/2007 11:16:00 AM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/22/2007 11:16:00 AM
Dibromomethane	ND	µg/L		0.29	10.0	10/22/2007 11:16:00 AM
1,2-Dichlorobenzene	ND	µg/L		0.45	5.0	10/22/2007 11:16:00 AM
1,4-Dichlorobenzene	J	µg/L	J	0.29	1.0	10/22/2007 11:16:00 AM

Key:

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

REI Consultants, Inc. Analytical Results

Date: *14-Feb-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A69
Client Sample ID:	MW-7	**Lab ID:**	0710A69-04A
Project:	OLD FRANKLIN LANDFILL	**Collection Date:**	10/17/2007 12:55:00 PM
Site ID:	OLD FRANKLIN L.F/N.C	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	100	10/22/2007 11:16:00 AM
1,1-Dichloroethane	ND	µg/L		0.38	5.0	10/22/2007 11:16:00 AM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/22/2007 11:16:00 AM
1,1-Dichloroethene	ND	µg/L		0.33	5.0	10/22/2007 11:16:00 AM
cis-1,2-Dichloroethene	J	µg/L	J	0.23	5.0	10/22/2007 11:16:00 AM
trans-1,2-Dichloroethene	ND	µg/L		0.39	5.0	10/22/2007 11:16:00 AM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/22/2007 11:16:00 AM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/22/2007 11:16:00 AM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/22/2007 11:16:00 AM
Ethylbenzene	ND	µg/L		0.18	1.0	10/22/2007 11:16:00 AM
2-Hexanone	ND	µg/L		4.11	50.0	10/22/2007 11:16:00 AM
Iodomethane	ND	µg/L		3.44	10.0	10/22/2007 11:16:00 AM
Methylene chloride	J	µg/L	J	0.54	1.0	10/22/2007 11:16:00 AM
4-Methyl-2-pentanone	ND	µg/L		4.40	100	10/22/2007 11:16:00 AM
Styrene	ND	µg/L		0.24	1.0	10/22/2007 11:16:00 AM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	5.0	10/22/2007 11:16:00 AM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/22/2007 11:16:00 AM
Tetrachloroethene	ND	µg/L		0.20	1.0	10/22/2007 11:16:00 AM
Toluene	ND	µg/L		0.17	1.0	10/22/2007 11:16:00 AM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/22/2007 11:16:00 AM
1,1,2-Trichloroethane	ND	µg/L		0.49	5.0	10/22/2007 11:16:00 AM
Trichloroethene	ND	µg/L		0.30	1.0	10/22/2007 11:16:00 AM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/22/2007 11:16:00 AM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/22/2007 11:16:00 AM
Vinyl acetate	ND	µg/L		4.87	50.0	10/22/2007 11:16:00 AM
Vinyl chloride	ND	µg/L		0.22	1.0	10/22/2007 11:16:00 AM
o-Xylene	ND	µg/L		0.19	1.0	10/22/2007 11:16:00 AM
m,p-Xylene	ND	µg/L		0.29	2.0	10/22/2007 11:16:00 AM
Surr: 1,2-Dichloroethane-d4	90.6	%REC			80-120	10/22/2007 11:16:00 AM
Surr: 4-Bromofluorobenzene	107	%REC			86-115	10/22/2007 11:16:00 AM
Surr: Dibromofluoromethane	94.5	%REC			80-120	10/22/2007 11:16:00 AM
Surr: Toluene-d8	105	%REC			88-110	10/22/2007 11:16:00 AM

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

REI Consultants, Inc. Analytical Results

Date: *14-Feb-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A69
Client Sample ID:	MW-7C	**Lab ID:**	0710A69-05A
Project:	OLD FRANKLIN LANDFILL	**Collection Date:**	10/17/2007 1:00:00 PM
Site ID:	OLD FRANKLIN L.F/N.C	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DBB**
Antimony	ND	mg/L		0.00040	0.0060	10/19/2007 8:15:47 AM
Arsenic	J	mg/L	J	0.00200	0.0100	10/19/2007 8:15:47 AM
Barium	0.422	mg/L		0.00100	0.100	10/19/2007 8:15:47 AM
Beryllium	ND	mg/L		0.00020	0.0010	10/19/2007 8:15:47 AM
Cadmium	J	mg/L	J	0.00020	0.0010	10/19/2007 8:15:47 AM
Chromium	ND	mg/L		0.00100	0.0100	10/19/2007 8:15:47 AM
Cobalt	0.0115	mg/L		0.00100	0.0100	10/19/2007 8:15:47 AM
Copper	J	mg/L	J	0.00100	0.0100	10/19/2007 8:15:47 AM
Lead	ND	mg/L		0.00020	0.0100	10/19/2007 8:15:47 AM
Nickel	J	mg/L	J	0.00200	0.0500	10/19/2007 8:15:47 AM
Selenium	ND	mg/L		0.00300	0.0100	10/19/2007 8:15:47 AM
Silver	J	mg/L	J	0.00100	0.0100	10/19/2007 8:15:47 AM
Thallium	ND	mg/L		0.00020	0.0050	10/19/2007 8:15:47 AM
Vanadium	ND	mg/L		0.00100	0.0200	10/19/2007 8:15:47 AM
Zinc	0.0624	mg/L		0.00300	0.0100	10/19/2007 8:15:47 AM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	100	10/20/2007 10:20:00 AM
Acrylonitrile	ND	µg/L		4.24	200	10/20/2007 10:20:00 AM
Benzene	1.3	µg/L		0.13	1.0	10/20/2007 10:20:00 AM
Bromochloromethane	ND	µg/L		0.35	3.0	10/20/2007 10:20:00 AM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/20/2007 10:20:00 AM
Bromoform	ND	µg/L		0.40	3.0	10/20/2007 10:20:00 AM
Bromomethane	ND	µg/L		0.50	10.0	10/20/2007 10:20:00 AM
2-Butanone	ND	µg/L		4.68	100	10/20/2007 10:20:00 AM
Carbon disulfide	ND	µg/L		1.27	100	10/20/2007 10:20:00 AM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/20/2007 10:20:00 AM
Chlorobenzene	9.5	µg/L		0.18	3.0	10/20/2007 10:20:00 AM
Chloroethane	ND	µg/L		0.94	10.0	10/20/2007 10:20:00 AM
Chloroform	ND	µg/L		0.25	5.0	10/20/2007 10:20:00 AM
Chloromethane	ND	µg/L		0.33	1.0	10/20/2007 10:20:00 AM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/20/2007 10:20:00 AM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	1.0	10/20/2007 10:20:00 AM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/20/2007 10:20:00 AM
Dibromomethane	ND	µg/L		0.29	10.0	10/20/2007 10:20:00 AM
1,2-Dichlorobenzene	J	µg/L	J	0.45	5.0	10/20/2007 10:20:00 AM
1,4-Dichlorobenzene	8.2	µg/L		0.29	1.0	10/20/2007 10:20:00 AM

Key:

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

REI Consultants, Inc. Analytical Results

Date: *14-Feb-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A69
Client Sample ID:	MW-7C	**Lab ID:**	0710A69-05A
Project:	OLD FRANKLIN LANDFILL	**Collection Date:**	10/17/2007 1:00:00 PM
Site ID:	OLD FRANKLIN L.F/N.C	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	100	10/20/2007 10:20:00 AM
1,1-Dichloroethane	J	µg/L	J	0.38	5.0	10/20/2007 10:20:00 AM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/20/2007 10:20:00 AM
1,1-Dichloroethene	ND	µg/L		0.33	5.0	10/20/2007 10:20:00 AM
cis-1,2-Dichloroethene	6.5	µg/L		0.23	5.0	10/20/2007 10:20:00 AM
trans-1,2-Dichloroethene	ND	µg/L		0.39	5.0	10/20/2007 10:20:00 AM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/20/2007 10:20:00 AM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/20/2007 10:20:00 AM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/20/2007 10:20:00 AM
Ethylbenzene	ND	µg/L		0.18	1.0	10/20/2007 10:20:00 AM
2-Hexanone	ND	µg/L		4.11	50.0	10/20/2007 10:20:00 AM
Iodomethane	ND	µg/L		3.44	10.0	10/20/2007 10:20:00 AM
Methylene chloride	J	µg/L	J	0.54	1.0	10/20/2007 10:20:00 AM
4-Methyl-2-pentanone	ND	µg/L		4.40	100	10/20/2007 10:20:00 AM
Styrene	ND	µg/L		0.24	1.0	10/20/2007 10:20:00 AM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	5.0	10/20/2007 10:20:00 AM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/20/2007 10:20:00 AM
Tetrachloroethene	ND	µg/L		0.20	1.0	10/20/2007 10:20:00 AM
Toluene	ND	µg/L		0.17	1.0	10/20/2007 10:20:00 AM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/20/2007 10:20:00 AM
1,1,2-Trichloroethane	ND	µg/L		0.49	5.0	10/20/2007 10:20:00 AM
Trichloroethene	ND	µg/L		0.30	1.0	10/20/2007 10:20:00 AM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/20/2007 10:20:00 AM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/20/2007 10:20:00 AM
Vinyl acetate	ND	µg/L		4.87	50.0	10/20/2007 10:20:00 AM
Vinyl chloride	J	µg/L	J	0.22	1.0	10/20/2007 10:20:00 AM
o-Xylene	ND	µg/L		0.19	1.0	10/20/2007 10:20:00 AM
m,p-Xylene	ND	µg/L		0.29	2.0	10/20/2007 10:20:00 AM
Surr: 1,2-Dichloroethane-d4	88.6	%REC			80-120	10/20/2007 10:20:00 AM
Surr: 4-Bromofluorobenzene	119	%REC	S		86-115	10/20/2007 10:20:00 AM
Surr: Dibromofluoromethane	86.1	%REC			80-120	10/20/2007 10:20:00 AM
Surr: Toluene-d8	107	%REC			88-110	10/20/2007 10:20:00 AM

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

REI Consultants, Inc. Analytical Results

Date: *14-Feb-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A69
Client Sample ID:	MW-10	**Lab ID:**	0710A69-06A
Project:	OLD FRANKLIN LANDFILL	**Collection Date:**	10/17/2007 12:22:00 PM
Site ID:	OLD FRANKLIN L.F/N.C	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DBB**
Antimony	ND	mg/L		0.00040	0.0060	10/19/2007 8:21:40 AM
Arsenic	ND	mg/L		0.00200	0.0100	10/19/2007 8:21:40 AM
Barium	0.115	mg/L		0.00100	0.100	10/19/2007 8:21:40 AM
Beryllium	ND	mg/L		0.00020	0.0010	10/19/2007 8:21:40 AM
Cadmium	ND	mg/L		0.00020	0.0010	10/19/2007 8:21:40 AM
Chromium	ND	mg/L		0.00100	0.0100	10/19/2007 8:21:40 AM
Cobalt	J	mg/L	J	0.00100	0.0100	10/19/2007 8:21:40 AM
Copper	ND	mg/L		0.00100	0.0100	10/19/2007 8:21:40 AM
Lead	ND	mg/L		0.00020	0.0100	10/19/2007 8:21:40 AM
Nickel	J	mg/L	J	0.00200	0.0500	10/19/2007 8:21:40 AM
Selenium	ND	mg/L		0.00300	0.0100	10/19/2007 8:21:40 AM
Silver	J	mg/L	J	0.00100	0.0100	10/19/2007 8:21:40 AM
Thallium	ND	mg/L		0.00020	0.0050	10/19/2007 8:21:40 AM
Vanadium	ND	mg/L		0.00100	0.0200	10/19/2007 8:21:40 AM
Zinc	J	mg/L	J	0.00300	0.0100	10/19/2007 8:21:40 AM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	100	10/20/2007 10:53:00 AM
Acrylonitrile	ND	µg/L		4.24	200	10/20/2007 10:53:00 AM
Benzene	J	µg/L	J	0.13	1.0	10/20/2007 10:53:00 AM
Bromochloromethane	ND	µg/L		0.35	3.0	10/20/2007 10:53:00 AM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/20/2007 10:53:00 AM
Bromoform	ND	µg/L		0.40	3.0	10/20/2007 10:53:00 AM
Bromomethane	ND	µg/L		0.50	10.0	10/20/2007 10:53:00 AM
2-Butanone	ND	µg/L		4.68	100	10/20/2007 10:53:00 AM
Carbon disulfide	ND	µg/L		1.27	100	10/20/2007 10:53:00 AM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/20/2007 10:53:00 AM
Chlorobenzene	J	µg/L	J	0.18	3.0	10/20/2007 10:53:00 AM
Chloroethane	ND	µg/L		0.94	10.0	10/20/2007 10:53:00 AM
Chloroform	ND	µg/L		0.25	5.0	10/20/2007 10:53:00 AM
Chloromethane	ND	µg/L		0.33	1.0	10/20/2007 10:53:00 AM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/20/2007 10:53:00 AM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	1.0	10/20/2007 10:53:00 AM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/20/2007 10:53:00 AM
Dibromomethane	ND	µg/L		0.29	10.0	10/20/2007 10:53:00 AM
1,2-Dichlorobenzene	ND	µg/L		0.45	5.0	10/20/2007 10:53:00 AM
1,4-Dichlorobenzene	4.9	µg/L		0.29	1.0	10/20/2007 10:53:00 AM

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

REI Consultants, Inc. Analytical Results

Date: *14-Feb-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A69
Client Sample ID:	MW-10	**Lab ID:**	0710A69-06A
Project:	OLD FRANKLIN LANDFILL	**Collection Date:**	10/17/2007 12:22:00 PM
Site ID:	OLD FRANKLIN L.F/N.C	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	100	10/20/2007 10:53:00 AM
1,1-Dichloroethane	ND	µg/L		0.38	5.0	10/20/2007 10:53:00 AM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/20/2007 10:53:00 AM
1,1-Dichloroethene	ND	µg/L		0.33	5.0	10/20/2007 10:53:00 AM
cis-1,2-Dichloroethene	J	µg/L	J	0.23	5.0	10/20/2007 10:53:00 AM
trans-1,2-Dichloroethene	ND	µg/L		0.39	5.0	10/20/2007 10:53:00 AM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/20/2007 10:53:00 AM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/20/2007 10:53:00 AM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/20/2007 10:53:00 AM
Ethylbenzene	ND	µg/L		0.18	1.0	10/20/2007 10:53:00 AM
2-Hexanone	ND	µg/L		4.11	50.0	10/20/2007 10:53:00 AM
Iodomethane	ND	µg/L		3.44	10.0	10/20/2007 10:53:00 AM
Methylene chloride	ND	µg/L		0.54	1.0	10/20/2007 10:53:00 AM
4-Methyl-2-pentanone	ND	µg/L		4.40	100	10/20/2007 10:53:00 AM
Styrene	ND	µg/L		0.24	1.0	10/20/2007 10:53:00 AM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	5.0	10/20/2007 10:53:00 AM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/20/2007 10:53:00 AM
Tetrachloroethene	ND	µg/L		0.20	1.0	10/20/2007 10:53:00 AM
Toluene	ND	µg/L		0.17	1.0	10/20/2007 10:53:00 AM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/20/2007 10:53:00 AM
1,1,2-Trichloroethane	ND	µg/L		0.49	5.0	10/20/2007 10:53:00 AM
Trichloroethene	ND	µg/L		0.30	1.0	10/20/2007 10:53:00 AM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/20/2007 10:53:00 AM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/20/2007 10:53:00 AM
Vinyl acetate	ND	µg/L		4.87	50.0	10/20/2007 10:53:00 AM
Vinyl chloride	ND	µg/L		0.22	1.0	10/20/2007 10:53:00 AM
o-Xylene	ND	µg/L		0.19	1.0	10/20/2007 10:53:00 AM
m,p-Xylene	ND	µg/L		0.29	2.0	10/20/2007 10:53:00 AM
Surr: 1,2-Dichloroethane-d4	83.4	%REC			80-120	10/20/2007 10:53:00 AM
Surr: 4-Bromofluorobenzene	116	%REC	S		86-115	10/20/2007 10:53:00 AM
Surr: Dibromofluoromethane	84.9	%REC			80-120	10/20/2007 10:53:00 AM
Surr: Toluene-d8	108	%REC			88-110	10/20/2007 10:53:00 AM

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

REI Consultants, Inc. Analytical Results

Date: *14-Feb-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A69
Client Sample ID:	HAIRE	**Lab ID:**	0710A69-07A
Project:	OLD FRANKLIN LANDFILL	**Collection Date:**	10/17/2007 11:25:00 AM
Site ID:	OLD FRANKLIN L.F/N.C	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DBB**
Antimony	ND	mg/L		0.00040	0.0060	10/19/2007 8:27:33 AM
Arsenic	ND	mg/L		0.00200	0.0100	10/19/2007 8:27:33 AM
Barium	J	mg/L	J	0.00100	0.100	10/19/2007 8:27:33 AM
Beryllium	ND	mg/L		0.00020	0.0010	10/19/2007 8:27:33 AM
Cadmium	ND	mg/L		0.00020	0.0010	10/19/2007 8:27:33 AM
Chromium	J	mg/L	J	0.00100	0.0100	10/19/2007 8:27:33 AM
Cobalt	ND	mg/L		0.00100	0.0100	10/19/2007 8:27:33 AM
Copper	0.0250	mg/L		0.00100	0.0100	10/19/2007 8:27:33 AM
Lead	J	mg/L	J	0.00020	0.0100	10/19/2007 8:27:33 AM
Nickel	ND	mg/L		0.00200	0.0500	10/19/2007 8:27:33 AM
Selenium	ND	mg/L		0.00300	0.0100	10/19/2007 8:27:33 AM
Silver	J	mg/L	J	0.00100	0.0100	10/19/2007 8:27:33 AM
Thallium	ND	mg/L		0.00020	0.0050	10/19/2007 8:27:33 AM
Vanadium	ND	mg/L		0.00100	0.0200	10/19/2007 8:27:33 AM
Zinc	0.0115	mg/L		0.00300	0.0100	10/19/2007 8:27:33 AM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	100	10/20/2007 11:26:00 AM
Acrylonitrile	ND	µg/L		4.24	200	10/20/2007 11:26:00 AM
Benzene	ND	µg/L		0.13	1.0	10/20/2007 11:26:00 AM
Bromochloromethane	ND	µg/L		0.35	3.0	10/20/2007 11:26:00 AM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/20/2007 11:26:00 AM
Bromoform	ND	µg/L		0.40	3.0	10/20/2007 11:26:00 AM
Bromomethane	ND	µg/L		0.50	10.0	10/20/2007 11:26:00 AM
2-Butanone	ND	µg/L		4.68	100	10/20/2007 11:26:00 AM
Carbon disulfide	ND	µg/L		1.27	100	10/20/2007 11:26:00 AM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/20/2007 11:26:00 AM
Chlorobenzene	ND	µg/L		0.18	3.0	10/20/2007 11:26:00 AM
Chloroethane	ND	µg/L		0.94	10.0	10/20/2007 11:26:00 AM
Chloroform	ND	µg/L		0.25	5.0	10/20/2007 11:26:00 AM
Chloromethane	ND	µg/L		0.33	1.0	10/20/2007 11:26:00 AM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/20/2007 11:26:00 AM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	1.0	10/20/2007 11:26:00 AM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/20/2007 11:26:00 AM
Dibromomethane	ND	µg/L		0.29	10.0	10/20/2007 11:26:00 AM
1,2-Dichlorobenzene	ND	µg/L		0.45	5.0	10/20/2007 11:26:00 AM
1,4-Dichlorobenzene	ND	µg/L		0.29	1.0	10/20/2007 11:26:00 AM

Key:

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

REI Consultants, Inc. Analytical Results

Date: *14-Feb-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A69
Client Sample ID:	HAIRE	**Lab ID:**	0710A69-07A
Project:	OLD FRANKLIN LANDFILL	**Collection Date:**	10/17/2007 11:25:00 AM
Site ID:	OLD FRANKLIN L.F/N.C	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	100	10/20/2007 11:26:00 AM
1,1-Dichloroethane	ND	µg/L		0.38	5.0	10/20/2007 11:26:00 AM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/20/2007 11:26:00 AM
1,1-Dichloroethene	ND	µg/L		0.33	5.0	10/20/2007 11:26:00 AM
cis-1,2-Dichloroethene	ND	µg/L		0.23	5.0	10/20/2007 11:26:00 AM
trans-1,2-Dichloroethene	ND	µg/L		0.39	5.0	10/20/2007 11:26:00 AM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/20/2007 11:26:00 AM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/20/2007 11:26:00 AM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/20/2007 11:26:00 AM
Ethylbenzene	ND	µg/L		0.18	1.0	10/20/2007 11:26:00 AM
2-Hexanone	ND	µg/L		4.11	50.0	10/20/2007 11:26:00 AM
Iodomethane	ND	µg/L		3.44	10.0	10/20/2007 11:26:00 AM
Methylene chloride	J	µg/L	J	0.54	1.0	10/20/2007 11:26:00 AM
4-Methyl-2-pentanone	ND	µg/L		4.40	100	10/20/2007 11:26:00 AM
Styrene	ND	µg/L		0.24	1.0	10/20/2007 11:26:00 AM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	5.0	10/20/2007 11:26:00 AM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/20/2007 11:26:00 AM
Tetrachloroethene	ND	µg/L		0.20	1.0	10/20/2007 11:26:00 AM
Toluene	ND	µg/L		0.17	1.0	10/20/2007 11:26:00 AM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/20/2007 11:26:00 AM
1,1,2-Trichloroethane	ND	µg/L		0.49	5.0	10/20/2007 11:26:00 AM
Trichloroethene	ND	µg/L		0.30	1.0	10/20/2007 11:26:00 AM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/20/2007 11:26:00 AM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/20/2007 11:26:00 AM
Vinyl acetate	ND	µg/L		4.87	50.0	10/20/2007 11:26:00 AM
Vinyl chloride	ND	µg/L		0.22	1.0	10/20/2007 11:26:00 AM
o-Xylene	ND	µg/L		0.19	1.0	10/20/2007 11:26:00 AM
m,p-Xylene	ND	µg/L		0.29	2.0	10/20/2007 11:26:00 AM
Surr: 1,2-Dichloroethane-d4	81.8	%REC			80-120	10/20/2007 11:26:00 AM
Surr: 4-Bromofluorobenzene	120	%REC	S		86-115	10/20/2007 11:26:00 AM
Surr: Dibromofluoromethane	84.2	%REC			80-120	10/20/2007 11:26:00 AM
Surr: Toluene-d8	108	%REC			88-110	10/20/2007 11:26:00 AM

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

REI Consultants, Inc. Analytical Results

Date: *14-Feb-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A69
Client Sample ID:	MW-7C DUP	**Lab ID:**	0710A69-08A
Project:	OLD FRANKLIN LANDFILL	**Collection Date:**	10/17/2007 1:00:00 PM
Site ID:	OLD FRANKLIN L.F/N.C	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DBB**
Antimony	ND	mg/L		0.00040	0.0060	10/19/2007 8:33:27 AM
Arsenic	J	mg/L	J	0.00200	0.0100	10/19/2007 8:33:27 AM
Barium	0.434	mg/L		0.00100	0.100	10/19/2007 8:33:27 AM
Beryllium	ND	mg/L		0.00020	0.0010	10/19/2007 8:33:27 AM
Cadmium	J	mg/L	J	0.00020	0.0010	10/19/2007 8:33:27 AM
Chromium	ND	mg/L		0.00100	0.0100	10/19/2007 8:33:27 AM
Cobalt	0.0115	mg/L		0.00100	0.0100	10/19/2007 8:33:27 AM
Copper	J	mg/L	J	0.00100	0.0100	10/19/2007 8:33:27 AM
Lead	ND	mg/L		0.00020	0.0100	10/19/2007 8:33:27 AM
Nickel	J	mg/L	J	0.00200	0.0500	10/19/2007 8:33:27 AM
Selenium	ND	mg/L		0.00300	0.0100	10/19/2007 8:33:27 AM
Silver	J	mg/L	J	0.00100	0.0100	10/19/2007 8:33:27 AM
Thallium	ND	mg/L		0.00020	0.0050	10/19/2007 8:33:27 AM
Vanadium	ND	mg/L		0.00100	0.0200	10/19/2007 8:33:27 AM
Zinc	0.0709	mg/L		0.00300	0.0100	10/19/2007 8:33:27 AM

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

VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	100	10/20/2007 11:59:00 AM
Acrylonitrile	ND	µg/L		4.24	200	10/20/2007 11:59:00 AM
Benzene	1.2	µg/L		0.13	1.0	10/20/2007 11:59:00 AM
Bromochloromethane	ND	µg/L		0.35	3.0	10/20/2007 11:59:00 AM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/20/2007 11:59:00 AM
Bromoform	ND	µg/L		0.40	3.0	10/20/2007 11:59:00 AM
Bromomethane	ND	µg/L		0.50	10.0	10/20/2007 11:59:00 AM
2-Butanone	ND	µg/L		4.68	100	10/20/2007 11:59:00 AM
Carbon disulfide	ND	µg/L		1.27	100	10/20/2007 11:59:00 AM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/20/2007 11:59:00 AM
Chlorobenzene	9.0	µg/L		0.18	3.0	10/20/2007 11:59:00 AM
Chloroethane	ND	µg/L		0.94	10.0	10/20/2007 11:59:00 AM
Chloroform	ND	µg/L		0.25	5.0	10/20/2007 11:59:00 AM
Chloromethane	ND	µg/L		0.33	1.0	10/20/2007 11:59:00 AM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/20/2007 11:59:00 AM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	1.0	10/20/2007 11:59:00 AM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/20/2007 11:59:00 AM
Dibromomethane	ND	µg/L		0.29	10.0	10/20/2007 11:59:00 AM

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

REI Consultants, Inc. Analytical Results

Date: *14-Feb-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A69
Client Sample ID:	MW-7C DUP	**Lab ID:**	0710A69-08A
Project:	OLD FRANKLIN LANDFILL	**Collection Date:**	10/17/2007 1:00:00 PM
Site ID:	OLD FRANKLIN L.F/N.C	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
1,2-Dichlorobenzene	J	µg/L	J	0.45	5.0	10/20/2007 11:59:00 AM
1,4-Dichlorobenzene	8.1	µg/L		0.29	1.0	10/20/2007 11:59:00 AM
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	100	10/20/2007 11:59:00 AM
1,1-Dichloroethane	J	µg/L	J	0.38	5.0	10/20/2007 11:59:00 AM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/20/2007 11:59:00 AM
1,1-Dichloroethene	ND	µg/L		0.33	5.0	10/20/2007 11:59:00 AM
cis-1,2-Dichloroethene	6.0	µg/L		0.23	5.0	10/20/2007 11:59:00 AM
trans-1,2-Dichloroethene	ND	µg/L		0.39	5.0	10/20/2007 11:59:00 AM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/20/2007 11:59:00 AM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/20/2007 11:59:00 AM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/20/2007 11:59:00 AM
Ethylbenzene	ND	µg/L		0.18	1.0	10/20/2007 11:59:00 AM
2-Hexanone	ND	µg/L		4.11	50.0	10/20/2007 11:59:00 AM
Iodomethane	ND	µg/L		3.44	10.0	10/20/2007 11:59:00 AM
Methylene chloride	J	µg/L	J	0.54	1.0	10/20/2007 11:59:00 AM
4-Methyl-2-pentanone	ND	µg/L		4.40	100	10/20/2007 11:59:00 AM
Styrene	ND	µg/L		0.24	1.0	10/20/2007 11:59:00 AM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	5.0	10/20/2007 11:59:00 AM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/20/2007 11:59:00 AM
Tetrachloroethene	ND	µg/L		0.20	1.0	10/20/2007 11:59:00 AM
Toluene	ND	µg/L		0.17	1.0	10/20/2007 11:59:00 AM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/20/2007 11:59:00 AM
1,1,2-Trichloroethane	ND	µg/L		0.49	5.0	10/20/2007 11:59:00 AM
Trichloroethene	ND	µg/L		0.30	1.0	10/20/2007 11:59:00 AM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/20/2007 11:59:00 AM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/20/2007 11:59:00 AM
Vinyl acetate	ND	µg/L		4.87	50.0	10/20/2007 11:59:00 AM
Vinyl chloride	ND	µg/L		0.22	1.0	10/20/2007 11:59:00 AM
o-Xylene	ND	µg/L		0.19	1.0	10/20/2007 11:59:00 AM
m,p-Xylene	ND	µg/L		0.29	2.0	10/20/2007 11:59:00 AM
Surr: 1,2-Dichloroethane-d4	82.8	%REC			80-120	10/20/2007 11:59:00 AM
Surr: 4-Bromofluorobenzene	123	%REC	S		86-115	10/20/2007 11:59:00 AM
Surr: Dibromofluoromethane	81.6	%REC			80-120	10/20/2007 11:59:00 AM
Surr: Toluene-d8	102	%REC			88-110	10/20/2007 11:59:00 AM

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

REI Consultants, Inc. Analytical Results

Date: *14-Feb-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A69
Client Sample ID:	TRIP BLANK #3	**Lab ID:**	0710A69-09A
Project:	OLD FRANKLIN LANDFILL	**Collection Date:**	10/17/2007
Site ID:	OLD FRANKLIN L.F/N.C	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	100	10/20/2007 12:32:00 PM
Acrylonitrile	ND	µg/L		4.24	200	10/20/2007 12:32:00 PM
Benzene	ND	µg/L		0.13	1.0	10/20/2007 12:32:00 PM
Bromochloromethane	ND	µg/L		0.35	3.0	10/20/2007 12:32:00 PM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/20/2007 12:32:00 PM
Bromoform	ND	µg/L		0.40	3.0	10/20/2007 12:32:00 PM
Bromomethane	ND	µg/L		0.50	10.0	10/20/2007 12:32:00 PM
2-Butanone	ND	µg/L		4.68	100	10/20/2007 12:32:00 PM
Carbon disulfide	ND	µg/L		1.27	100	10/20/2007 12:32:00 PM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/20/2007 12:32:00 PM
Chlorobenzene	ND	µg/L		0.18	3.0	10/20/2007 12:32:00 PM
Chloroethane	ND	µg/L		0.94	10.0	10/20/2007 12:32:00 PM
Chloroform	ND	µg/L		0.25	5.0	10/20/2007 12:32:00 PM
Chloromethane	ND	µg/L		0.33	1.0	10/20/2007 12:32:00 PM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/20/2007 12:32:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	1.0	10/20/2007 12:32:00 PM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/20/2007 12:32:00 PM
Dibromomethane	ND	µg/L		0.29	10.0	10/20/2007 12:32:00 PM
1,2-Dichlorobenzene	ND	µg/L		0.45	5.0	10/20/2007 12:32:00 PM
1,4-Dichlorobenzene	ND	µg/L		0.29	1.0	10/20/2007 12:32:00 PM
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	100	10/20/2007 12:32:00 PM
1,1-Dichloroethane	ND	µg/L		0.38	5.0	10/20/2007 12:32:00 PM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/20/2007 12:32:00 PM
1,1-Dichloroethene	ND	µg/L		0.33	5.0	10/20/2007 12:32:00 PM
cis-1,2-Dichloroethene	ND	µg/L		0.23	5.0	10/20/2007 12:32:00 PM
trans-1,2-Dichloroethene	ND	µg/L		0.39	5.0	10/20/2007 12:32:00 PM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/20/2007 12:32:00 PM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/20/2007 12:32:00 PM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/20/2007 12:32:00 PM
Ethylbenzene	ND	µg/L		0.18	1.0	10/20/2007 12:32:00 PM
2-Hexanone	ND	µg/L		4.11	50.0	10/20/2007 12:32:00 PM
Iodomethane	ND	µg/L		3.44	10.0	10/20/2007 12:32:00 PM
Methylene chloride	ND	µg/L		0.54	1.0	10/20/2007 12:32:00 PM
4-Methyl-2-pentanone	ND	µg/L		4.40	100	10/20/2007 12:32:00 PM
Styrene	ND	µg/L		0.24	1.0	10/20/2007 12:32:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	5.0	10/20/2007 12:32:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/20/2007 12:32:00 PM

Key:

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

REI Consultants, Inc. Analytical Results

Date: *14-Feb-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0710A69
Client Sample ID:	TRIP BLANK #3	**Lab ID:**	0710A69-09A
Project:	OLD FRANKLIN LANDFILL	**Collection Date:**	10/17/2007
Site ID:	OLD FRANKLIN L.F/N.C	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Tetrachloroethene	ND	µg/L		0.20	1.0	10/20/2007 12:32:00 PM
Toluene	ND	µg/L		0.17	1.0	10/20/2007 12:32:00 PM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/20/2007 12:32:00 PM
1,1,2-Trichloroethane	ND	µg/L		0.49	5.0	10/20/2007 12:32:00 PM
Trichloroethene	ND	µg/L		0.30	1.0	10/20/2007 12:32:00 PM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/20/2007 12:32:00 PM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/20/2007 12:32:00 PM
Vinyl acetate	ND	µg/L		4.87	50.0	10/20/2007 12:32:00 PM
Vinyl chloride	ND	µg/L		0.22	1.0	10/20/2007 12:32:00 PM
o-Xylene	ND	µg/L		0.19	1.0	10/20/2007 12:32:00 PM
m,p-Xylene	ND	µg/L		0.29	2.0	10/20/2007 12:32:00 PM
Surr: 1,2-Dichloroethane-d4	83.6	%REC			80-120	10/20/2007 12:32:00 PM
Surr: 4-Bromofluorobenzene	115	%REC			86-115	10/20/2007 12:32:00 PM
Surr: Dibromofluoromethane	84.3	%REC			80-120	10/20/2007 12:32:00 PM
Surr: Toluene-d8	128	%REC	S		88-110	10/20/2007 12:32:00 PM

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

CHAIN OF CUSTODY RECORD NO. 216926

1 of 2

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, NC 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 Franklin L.F / N.C
PROJECT ID: Old Franklin LandFill
SAMPLER: Farley / McBride / Logan

SAMPLE LOG AND ANALYSIS REQUEST

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

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

PRESERVATIVE CODES — NOTE PRESERVATIVES →

SAMPLE ID	NO. & TYPE OF CONTAINERS	SAMPLING DATE / TIME	MATRIX	SAMPLE COMP / GRAB	ANALYSIS REQUESTED & METHOD: N.C Appendix I	TSS	N.C Appendix I Vocs	COMMENTS
MW-1	6	10-17-07 1340	H20	Grab	X	X		Analyze Dis. Metals for any total metal Detections
MW-3		1459						
MW-6		1118						
MW-6C								NO Sample
MW-7		1255						
MW-7C		1300						
MW-10		1222						
Haire		1125						
MW-7C Dup	18	1300						
Trip Blank #3	2-VOA						X	

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
N Farley	10-18-07 1045		10-18-7				
				Temperature Upon Arrival 1.0 °C		☐ FAX Results	☐ Email Results

Appendix D

Historical Laboratory Results

Historical Analytical Results
Old Franklin Landfill
Franklin, North Carolina

	MW-1	NC 2L	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	Apr-02	Apr-03	Oct-03	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Oct-07	SWSL	Apr-07	Oct-07
VOCs	Acetone	700	*	*	*	53	*	*	*	*	*	*	*	*	*	*	*	*	*	*	NS	NS	NS	*	*	*	*	*	100	*	*
	Benzene	1	*	*	*	*	*	*	*	*	*	**3.5**	**4.5**	**4.4**	**5.2**	**4.6**	**4.7**	**4.5**	**4.3**	**4.3**	NS	NS	NS	**3.7**	**3.8**	**3.4**	**3.1**	**4.6**	1	**4.0**	**4.7**
	Carbon Disulfide	700	*	*	*	*	*	*	*	*	*	*	*	*	7	71	*	*	*	*	NS	NS	NS	*	*	*	*	*	100	*	*
	Chlorobenzene	50	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	1	NS	NS	NS	*	*	*	*	*	3	4.8	5.6
	1,1-Dichloroethane	70	*	*	*	*	*	*	*	*	2.4	*	2.9	2.6	3.8	3.2	3.3	2.9	2.6	2.7	NS	NS	NS	*	*	*	*	*	5	*	*
	1,2-Dichloroethane	0.38	*	*	*	*	*	*	*	*	*	*	*	*	*	**1**	**1.1**	*	*	*	NS	NS	NS	*	*	*	*	*	1	*	*
	cis-1,2-Dichloroethene	70	*	7	8.8	*	8	*	*	*	12.5	9.2	13.3	12	15.7	13	13	15	15	17	NS	NS	NS	14.7	15.4	16.2	15.4	15.0	5	14.5	14.4
	1,4-Dichlorobenzene	1.4	*	*	*	*	*	*	6	6	*	6.7	8.1	8.5	9.2	12	9.4	9.7	8.9	10	NS	NS	NS	12.6	**12.2**	**14.1**	**13.9**	**11.9**	1	**12.5**	**13.3**
	Dichlorodifluoromethane	1400	*	*	*	17	*	19	*	7	*	*	*	*	*	*	*	*	*	*	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA
	Methylene Chloride	4.6	*	*	*	**28**	**17**	*	*	*	*	*	*	*	*	*	*	*	*	*	NS	NS	NS	*	*	*	*	*	1	*	*
	Tetrachloroethene (PCE)	0.7	*	*	*	*	*	*	*	*	*	**2.5**	**3**	**2.9**	**3.4**	**3**	**4**	**3.3**	**2.9**	**3.1**	NS	NS	NS	**2.1**	*	*	**2.0**	**2.2**	1.0	**2.0**	**2.4**
	Toluene	1000	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2.9	*	NS	NS	NS	*	*	*	*	*	1	*	*
	Trichloroethene (TCE)	2.8	*	*	*	*	*	*	*	*	*	2	2	*	2.4	2.4	**3**	**2.9**	**3.2**	2.7	NS	NS	NS	2.3	2.3	*	2.0	2.4	**1.0**	2.1	2.3
	Trichlorofluoromethane	2100	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1.7	*	*	*	NS	NS	NS	*	*	*	*	*	1	*	*
	Vinyl Chloride	0.015	*	*	*	*	*	*	*	*	*	*	*	*	*	**2.2**	**1.5**	**1.6**	**2.2**	**1.8**	NS	NS	NS	**1.1**	**1.4**	*	**1.3**	**1.1**	1	*	**1.4**
Metals	Antimony	NL	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3.2	*	*	*	NS	NS	NS	*	*	*	*	*	6	*	*
	Arsenic	50	*	*	*	*	*	*	*	*	*	*	*	*	*	8.1	*	*	*	*	NS	NS	NS	*	*	*	*	*	10	*	*
	Barium	2000	213	252	370	490	229	46	239	153	203	192	192	209	199	240	200	230	250	280	NS	NS	NS	*	*	*	*	*	100	636	273
	Cadmium	1.75	*	*	*	1	*	*	2	*	*	*	*	*	*	*	*	*	*	*	NS	NS	NS	*	*	*	*	*	1	*	*
	Chromium	50	*	*	*	*	*	11	*	*	*	*	*	*	*	8.3	4.2	5.5	*	17	NS	NS	NS	*	*	*	*	*	10	14.9	*
	Copper	1000	*	*	*	*	*	*	12	21	*	*	*	*	*	*	*	*	*	10	NS	NS	NS	*	*	*	*	*	10	17.7	*
	Lead	15	*	*	*	*	*	*	6	4	*	*	*	*	*	*	*	*	*	*	NS	NS	NS	*	*	*	*	*	10	*	*
	Nickel	100	*	*	*	*	*	*	*	22	*	*	*	*	*	*	*	*	*	21	NS	NS	NS	*	*	*	*	*	50	*	*
	Selenium	50	*	*	*	*	*	*	*	*	*	*	*	*	*	10	*	*	*	*	NS	NS	NS	*	*	*	*	*	10	*	*
	Zinc	1050	22	10	11	*	26	46	29	*	41	*	39	*	*	42	30	*	30	33	NS	NS	NS	*	*	*	*	*	10	79	*

Notes:

1. * means 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 Franklin Landfill
Franklin, North Carolina

	MW-2	NC 2L	Jun-94	Oct-94	Mar-95	Nov-95	Apr-96	Oct-96	May-97	Oct-97	Apr-98	Oct-98	Apr-99	Oct-99	May-00	Oct-00	Apr-01	Oct-01	Apr-02	Oct-02	Apr-03	Oct-03	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Oct-06	SWSL	Apr-07	Oct-07
VOCs	Benzene	1	*	*	*	*	*	*	**22**	*	*	*	*	*	*	DRY	*	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	**1**	*	NS
	Carbon Disulfide	700	*	*	*	*	*	*	*	*	*	3.8	*	*	*	DRY	*	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	**100**	*	NS
Metals	Arsenic	50	*	*	*	*	*	*	*	*	*	11	*	*	*	DRY	*	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	**10**	*	NS
	Barium	2000	*	844	632	581	398	892	52	491	57	426	259	**2120**	192	DRY	230	NS	NS	NS	82	NS	NS	NS	*	NS	NS	NS	**100**	189	NS
	Cadmium	1.75	*	*	*	*	*	*	1	*	*	*	*	*	*	DRY	*	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	**1**	*	NS
	Chromium	50	*	*	*	*	*	**106**	*	35	*	**60**	18	**172**	19	DRY	26	NS	NS	NS	7.2	NS	NS	NS	*	NS	NS	NS	**10**	*	NS
	Cobalt	NL	*	*	*	*	*	40	*	*	*	29	*	77	*	DRY	*	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	**10**	*	NS
	Copper	1000	*	*	*	*	*	18	*	45	*	42	*	167	12	DRY	17	NS	NS	NS	7.1	NS	NS	NS	*	NS	NS	NS	**10**	*	NS
	Lead	15	*	*	*	*	*	*	6	9	*	6	*	**28**	5	DRY	**19**	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	**10**	*	NS
	Nickel	100	*	*	*	*	*	*	*	44	*	26	*	66	*	DRY	*	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	**50**	*	NS
	Vanadium	NL	*	*	*	*	*	145	*	*	*	76	24	245	31	DRY	38	NS	NS	NS	11	NS	NS	NS	*	NS	NS	NS	**20**	*	NS
	Zinc	1050	*	16	29	*	31	143	11	106	24	134	80	534	37	DRY	49	NS	NS	NS	23	NS	NS	NS	*	NS	NS	NS	**10**	15.7	NS

Notes:

1. * means 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 Franklin Landfill
Franklin, North Carolina

	MW-3	NC 2L	Jun-94	Oct-94	Mar-95	Nov-95	Apr-96	Oct-96	May-97	Oct-97	Apr-98	Oct-98	May-00	Oct-00	Apr-01	Oct-01	Apr-02	Oct-02	Apr-03	Oct-03	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Oct-06	SWSL	Apr-07	Oct-07
VOCs	Acetone	700	*	*	*	*	12	*	*	*	*	*	*	DRY	*	*	*	*	*	*	*	*	*	*	*	*	**100**	*	*
	Benzene	1	*	*	*	*	*	*	*	*	*	*	*	DRY	**1**	*	*	**1.1**	*	*	*	*	*	*	*	*	**1**	*	*
	Carbon Disulfide	700	*	*	*	*	*	*	*	*	*	*	4.1	DRY	*	*	*	*	*	*	*	*	*	*	*	*	**100**	*	*
	Chlorobenzene	50	*	*	*	*	*	*	*	*	*	*	*	DRY	*	*	*	1	*	*	*	*	*	*	*	*	**3**	*	*
	Chloroethane	2800	*	*	*	*	*	*	*	*	*	*	*	DRY	1.5	*	*	*	*	*	*	*	*	*	*	*	**10**	*	*
	cis-1,2-Dichloroethene	70	*	12	22	30	26	*	*	*	21.8	13.7	8.3	DRY	6.4	5.1	3.8	6.2	*	*	*	*	*	*	*	*	5	*	*
	1,4-Dichlorobenzene	1.4	*	*	7.7	7	*	6	9	*	*	6.0	4.3	DRY	2.9	4.0	3.5	4.8	*	*	*	*	*	*	*	*	1	1.3	**1.6**
	1,2-Dichlorobenzene	24	*	*	*	*	*	*	*	*	*	*	*	DRY	*	*	*	*	*	*	*	*	*	*	*	*	5	*	*
	Vinyl Chloride	0.015	**8**	*	*	*	*	*	*	*	**4**	*	*	DRY	*	*	*	*	*	**5.4**	*	*	*	*	*	*	1	*	*
Metals	Antimony	NL	*	*	*	*	*	*	*	*	*	*	*	DRY	3.7	*	*	*	*	*	*	*	*	*	*	*	6	*	*
	Arsenic	10	*	*	*	*	*	*	*	*	*	*	*	DRY	*	*	*	*	*	6	*	*	*	*	*	*	10	*	*
	Barium	2000	**6700**	1170	1490	1110	1440	1325	249	433	369	**15,000**	921	DRY	660	1200	940	680	390	560	870	621	966	*	1940	**6260**	100	**2580**	266
	Beryllium	NL	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	4.3	1	1.3	*
	Cadmium	1.75	**6**	**10**	1	1	*	**15**	2	**13**	**14.6**	**89**	**95**	DRY	**32**	**30**	**32**	**5.5**	2.8	*	**7.3**	4.6	**6.3**	1.6	**9.3**	**26.2**	**1**	**4.9**	*
	Chromium	50	**507**	*	6	*	*	**181**	*	*	9	**640**	**66**	DRY	36	**61**	38	29	16	34	**64**	16.3	*	*	14.8	**114**	10	20.3	*
	Cobalt	NL	*	*	65	73	67	142	63	46	72	920	46	DRY	*	61	54	44	37	42	44	29.8	43	23.7	64.3	215	10	74.5	16.1
	Copper	1000	436	13	11	11	22	34	13	*	*	690	110	DRY	50	110	65	48	32	48	88	*	*	*	*	*	10	184	*
	Lead	15	**120**	*	*	5	12	*	13	*	4	**80**	**29**	DRY	**17**	**22**	**16**	14	7.5	10	**24**	*	14.7	*	**18.5**	**82.6**	**10**	**26.1**	*
	Nickel	100	*	*	13	*	*	19	12	*	16	**500**	35	DRY	17	47	27	30	16	26	36	*	*	*	*	**116**	50	*	*
	Selenium	50	*	*	*	*	*	*	*	*	*	*	14	DRY	14	*	*	*	7.4	*	*	*	*	*	*	*	10	*	*
	Vanadium	NL	*	*	*	*	*	*	*	*	*	910	64	DRY	37	73	47	27	16	31	71	*	*	*	44	279	20	74.9	*
	Zinc	1050	1290	14	44	19	70	300	51	32	266	**2530**	642	DRY	270	270	220	190	63	88	160	*	*	*	82.6	616	10	103	*

Notes:

1. * means 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 Franklin Landfill
Franklin, North Carolina

	MW-4	NC 2L	Jun-94	Oct-94	Mar-95	Nov-95	Apr-96	Oct-96	May-97	Oct-97	Apr-98	Oct-98	Apr-99	Oct-99	May-00	Oct-00	Apr-01	Oct-01	Apr-02	Oct-02	Apr-03	Oct-03	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Oct-06	SWSL	Apr-07	Oct-07
VOCs	Acetone	700	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	NS	NS	NS	**790**	NS	NS	NS	*	NS	NS	NS	**100**	*	NS
	Benzene	1	*	**9.7**	**7.1**	**8**	**8**	**9**	*	**7**	*	**7.1**	**6.9**	**6.2**	**6.4**	**5.5**	**4.6**	NS	NS	NS	**5.4**	NS	NS	NS	**5.7**	NS	NS	NS	**1**	**3.8**	**NS**
	Carbon Disulfide	700	*	*	*	*	*	*	*	*	*	2.2	*	12.6	7.4	*	*	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	**100**	*	NS
	Chlorobenzene	50	*	*	*	*	*	*	*	*	*	*	*	*	*	2	1.8	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	**3**	*	NS
	Chloroethane	2800	*	16	13	19	15	18	14	*	*	*	9.4	8	8.6	*	8.6	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	**10**	*	NS
	1,1-Dichloroethane	70	*	16	14	22	16	13	12	9	11.1	8.4	8.2	6.2	7.9	7	6.7	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	**5**	*	NS
	cis-1,2-Dichloroethene	70	*	*	*	*	*	*	*	*	28.3	26.9	31.6	28.6	30.6	25	22	NS	NS	NS	21	NS	NS	NS	21.2	NS	NS	NS	**5**	15.9	NS
	1,4-Dichlorobenzene	1.4	*	12	10	11	8	10	15	14	*	14	13.3	13.5	13	16	11	NS	NS	NS	11	NS	NS	NS	**13.3**	NS	NS	NS	**1**	**13.6**	**NS**
	Methylene Chloride	4.6	*	**110**	**110**	**160**	**100**	*	**31**	*	*	*	**24.3**	**11.8**	**9.5**	*	**11**	NS	NS	NS	**9.5**	NS	NS	NS	**5.4**	NS	NS	NS	**1**	1.2	NS
	Tetrachloroethene (PCE)	0.7	*	**7.1**	**5.4**	*	*	*	*	*	*	**2.3**	**2**	*	*	**1.3**	**1.5**	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	**1**	*	NS
	Trichloroethene (TCE)	2.8	*	*	*	*	*	*	*	*	*	*	*	*	*	2.1	2	NS	NS	NS	*	NS	NS	NS	1.7	NS	NS	NS	**1**	1.5	NS
	1,1,1-Trichloroethane	200	*	13	10	9	6	*	*	*	*	*	*	*	*	*	*	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	**1**	*	NS
	Vinyl Chloride	0.015	*	*	*	*	*	*	*	*	*	*	*	*	*	**1.7**	**1.2**	NS	NS	NS	*	NS	NS	NS	**1.8**	NS	NS	NS	**1**	*	NS
	Xylenes total	530	*	15	7.3	6	9	29	28	17		17.6	13	13.9	6.5	5		NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	**3**	1.6	NS
Metals	Antimony	NL	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3.1	NS	NS	NS	5.2	NS	NS	NS	*	NS	NS	NS	**6**	*	NS
	Arsenic	50	*	*	*	*	*	*	*	*	*	*	*	*	*	13	*	NS	NS	NS	5.8	NS	NS	NS	*	NS	NS	NS	**10**	*	NS
	Barium	2000	1140	1280	1160	874	766	871	764	843	695	761	866	894	926	950	980	NS	NS	NS	670	NS	NS	NS	957	NS	NS	NS	**100**	903	NS
	Cadmium	1.75	*	1	*	*	*	*	*	*	*	*	*	*	*	*	*	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	**1**	*	NS
	Chromium	50	28	*	6	*	*	*	13	*	*	29	7	*	*	7.6	*	NS	NS	NS	**66**	NS	NS	NS	*	NS	NS	NS	**10**	*	NS
	Cobalt	NL	*	*	*	*	*	*	*	*	112	215	200	232	255	240	250	NS	NS	NS	33	NS	NS	NS	115	NS	NS	NS	**10**	86.7	NS
	Copper	1000	80	23	30	20	*	14	13		*	19	*	*	*	*	*	NS	NS	NS	180	NS	NS	NS	*	NS	NS	NS	**10**	*	NS
	Lead	15	6	*	*	*	*	*	**77**	*	*	*	*	*	*	*	*	NS	NS	NS	**22**	NS	NS	NS	*	NS	NS	NS	**10**	*	NS
	Nickel	100	*	*	*	*	*	30	29	34	26	43	43	34	39	64	27	NS	NS	NS	35	NS	NS	NS	*	NS	NS	NS	**50**	*	NS
	Selenium	50	*	*	*	*	*	*	*	*	*	*	10	12	19	31	19	NS	NS	NS	6.9	NS	NS	NS	*	NS	NS	NS	**10**	*	NS
	Silver	18	*	*	*	*	*	*	*	*	*	*	*	*	*	8	*	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	**10**	*	NS
	Vanadium	NL	*	*	*	*	*	*	*	*	*	26	*	*	*	*	*	NS	NS	NS	87	NS	NS	NS	*	NS	NS	NS	**20**	*	NS
	Zinc	1050	115	68	67	41	69	66	26	*	93	45	29	32	*	27	19	NS	NS	NS	240	NS	NS	NS	*	NS	NS	NS	**10**	77.8	NS

Notes:

1. * means 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 Franklin Landfill
Franklin, North Carolina

	MW-5	NC 2L	Jun-94	Oct-94	Mar-95	Nov-95	Apr-96	Oct-96	May-97	Oct-97	Apr-98	Oct-98	Apr-99	Oct-99	May-00	Oct-00	Apr-01	Oct-01	Apr-02	Oct-02	Apr-03	Oct-03	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Oct-06	SWSL	Apr-07	Oct-07
VOCs	Acetone	700	*	*	210	64	12	*	*	*	*	*	*	*	*	*	*	NS	NS	NS	190	NS	NS	NS	*	NS	NS	NS	**100**	*	NS
	Benzene	1	*	**11**	**7**	**12**	**8**	**8**	*	**11**	*	**9.7**	**11.6**	**12.6**	**13.9**	**11**	**7.8**	NS	NS	NS	**13**	NS	NS	NS	**10.4**	NS	NS	NS	**1**	**13.8**	NS
	Carbon Disulfide	700	*	*	*	*	*	*	*	*	*	*	*	3.6	*	*	*	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	**100**	*	NS
	Chloroethane	2800	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1.7	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	**10**	*	NS
	1,1-Dichloroethane	70	*	5.5	*	8	6	*	*	8	5	5.3	5.6	5.2	5.5	4.6	3.8	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	**5**	*	NS
	1,2-Dichloroethane	0.38	*	*	*	*	*	*	*	*	*	*	*	*	**2.1**	**2**	**1.5**	NS	NS	NS	*	NS	NS	NS	**2.1**	NS	NS	NS	**1**	*	NS
	trans-1,2-Dichloroethene	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	**5**	*	NS
	cis-1,2-Dichloroethene	70	*	14	12	21	13	*	*	*	18.1	17.1	20.1	18	19.9	17	12	NS	NS	NS	32	NS	NS	NS	21.5	NS	NS	NS	**5**	21.6	NS
	1,4-Dichlorobenzene	1.4	*	9.6	7.5	11	7	12	9	13	*	16	13.5	12.4	13.4	16	13	NS	NS	NS	29	NS	NS	NS	**22**	NS	NS	NS	**1**	**23.5**	NS
	Dichlorodifluoromethane	1400	*	*	*	18	*	15	*	*	*	*	*	*	*	*	*	NS	NS	NS	*	NS	NS	NS	NA	NS	NS	NS	**NA**	NA	NS
	Methylene Chloride	4.6	*	*	*	**89**	**43**	*	*	**45**	*	**39.5**	**55.5**	**52.1**	**42.2**	**8.2**	**14**	NS	NS	NS	**21**	NS	NS	NS	*	NS	NS	NS	**1**	1.1	NS
	Tetrachloroethene (PCE)	0.7	*	**12**	**5.8**	*	*	*	*	*	*	**5.6**	**5.2**	**5**	**5.3**	**3.8**	**3.9**	NS	NS	NS	**5.4**	NS	NS	NS	*	NS	NS	NS	**1**	**3.2**	NS
	Toluene	1000	*	*	*	*	*	6	*	*	*	*	*	*	*	*	*	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	**1**	*	NS
	Trichloroethene (TCE)	2.8	*	*	*	*	*	*	*	*	*	**3.4**	**3.3**	**3**	**3.4**	**3.1**	2.7	NS	NS	NS	*	NS	NS	NS	2	NS	NS	NS	**1**	**3.6**	NS
	Vinyl Chloride	0.015	*	*	*	*	*	*	*	*	*	*	**2.4**	*	*	**2.1**	*	NS	NS	NS	*	NS	NS	NS	**1.1**	NS	NS	NS	**1**	*	NS
	Xylenes total	530	*	7.3	*	7	5	*	*	*	*	5.2	11	11.3	7.8	7.2	7.2	NS	NS	NS	8.5	NS	NS	NS	*	NS	NS	NS	**3**	2.7	NS
Metals	Antimony	NL	*	*	*	*	*	*	*	30	*	*	*	*	*	*	4.2	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	**6**	*	NS
	Arsenic	50	*	*	*	*	*	*	*	*	*	9	*	7	6	9.8		NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	**10**	*	NS
	Barium	2000	127	621	**4,220**	539	**2,340**	1,780	361	351	358	419	503	**2,820**	1,950	610	1,100	NS	NS	NS	480	NS	NS	NS	1280	NS	NS	NS	**100**	493	NS
	Cadmium	1.75	*	*	*	*	*	*	*	*	*	*	*	*	3	*	**6**	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	**1**	*	NS
	Chromium	50	*	*	7	*	*	**223**	*	*	14	15	13	**199**	**140**	44	**95**	NS	NS	NS	24	NS	NS	NS	10.5	NS	NS	NS	**10**	*	NS
	Cobalt	NL	*	22	97	16	45	122	*	*	*	*	*	102	74	21	45	NS	NS	NS	89	NS	NS	NS	94.3	NS	NS	NS	**10**	35.7	NS
	Copper	1000	*	12	128	*	47	91	30	23	44	33	35	527	369	77	220	NS	NS	NS	120	NS	NS	NS	*	NS	NS	NS	**10**	39.5	NS
	Lead	15	**25**	6	**41**	*	**34**	*	7	9	*	*	6	**72**	**47**	*	**26**	NS	NS	NS	13	NS	NS	NS	**24.4**	NS	NS	NS	**10**	*	NS
	Nickel	100	*	*	*	*	*	12	*	*	*	*		75	54	25	36	NS	NS	NS	23	NS	NS	NS	*	NS	NS	NS	**50**	*	NS
	Selenium	50	*	*	*	*	*	*	*	*	*	*	*	*	*	*	12	NS	NS	NS	16	NS	NS	NS	*	NS	NS	NS	**10**	*	NS
	Vanadium	NL	*	*	*	*	*	313	*	*	*	*	*	194	158	39	110	NS	NS	NS	22	NS	NS	NS	*	NS	NS	NS	**20**	*	NS
	Zinc	1050	36	27	100	18	64	185	159	22	98	88	74	74	536	150	320	NS	NS	NS	110	NS	NS	NS	120	NS	NS	NS	**10**	48.8	NS

Notes:

1. * means 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 Franklin Landfill
Franklin, North Carolina

	MW-6	NC 2L	May-97	Oct-97	Apr-98	Oct-98	Apr-99	Oct-99	May-00	Oct-00	Apr-01	Oct-01	Apr-02	Oct-02	Apr-03	Oct-03	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Oct-06	SWSL	Apr-07	Oct-07
VOCs	Benzene	1	*	*	*	**3.8**	**6.7**	**7.4**	**9.2**	**6.6**	**3.8**	**7.8**	**7**	**6.2**	*	*	*	*	*	*	*	**2.1**	**1**	**2.0**	**3.2**
	Chloroethane	2800	*	*	*	*	*	*	*	*	*	1.3	*	*	*	*	*	*	*	*	*	*	**10**	*	*
	cis-1,2-Dichloroethene	70	*	*	*	7	14.2	14.4	18.5	14	8.5	17	17	14	*	*	*	*	*	*	*	5.4	**5**	6.0	9.2
	1,4-Dichlorobenzene	1.4	*	*	*	7.1	11.5	11.2	13.9	14	10	13	12	11	*	*	*	9.2	5.6	*	*	**12.2**	**1**	**12.7**	**16.9**
	1,1-Dichloroethane	70	*	*	*	*	2.4	2.3	3.9	2.6	2.6	2.8	2.5	2.2	*	*	*	*	*	*	*	*	**5**	*	*
	1,2-Dichloroethane	0.38	*	*	*	*	*	*	*	**1.2**	*	*	*	*	*	*	*	*	*	*	*	*	**1**	*	*
	Methylene Chloride	4.6	*	*	*	*	**19**	**22.9**	**27.5**	**7.8**	**16**	**24**	**25**	**21**	*	*	*	*	*	*	*	**7.2**	**1**	**7.4**	**11.6**
	Tetrachloroethene (PCE)	0.7	*	*	*	**3.1**	**4.1**	**3.7**	**4**	**3.3**	**3.6**	**3.8**	**3.9**	**3**	*	*	*	**1.3**	*	*	*	*	**1**	*	**1.5**
	Trichloroethene (TCE)	2.8	*	*	*	*	*	*	*	2	1.8	2.3	2.1	2.1	*	*	*	*	*	*	*	*	**1**	*	1.1
	Xylenes total	530	*	*	*	4.1	8.6	9.1	5.3	11	4.9	9	9.8	7.4	*	*	*	*	*	*	*	*	**3**	3.7	7.3
Metals	Antimony	NL	*	*	*	*	*	*	*	*	3.5	*	*	*	*	*	*	*	*	*	*	*	**6**	*	*
	Arsenic	50	*	*	*	11	6	9	8	25	*	*	*	*	36	6.1	7.1	*	*	*	*	*	**10**	*	*
	Barium	2000	1379	1282	282	1150	**2780**	**4430**	**4800**	**2200**	**2600**	**3500**	**12000**	**10000**	130	1100	**3400**	1630	1520	709	862	639	**100**	707	317
	Beryllium	NL	*	*	*	*	*	*	*	3.8	*	2.2	5.2	5.1	*	*	*	*	*	*		*	**10**	*	*
	Cadmium	1.75	*	*	*	*	*	2	2	*	**10**	*	*	*	*	*	**21**	*	*	*	*	*	**1**	*	*
	Chromium	50	*	*	*	**54**	**57**	**175**	**94**	**130**	**170**	**190**	**330**	**300**	*	**89**	**200**	**133**	*	*		*	**10**	*	*
	Cobalt	NL	18	23	*	61	120	246	212	100	150	170	440	370	*	44	180	85.6	47.6	12.9	16.6	*	**10**	12.4	12.7
	Copper	1000	14	29	*	121	157	490	262	230	350	440	780	930	4.9	230	550	307	*	*	*	*	**10**	26.1	*
	Lead	15	6	**24**	*	**22**	**48**	**125**	**108**	*	*	**88**	**230**	**250**	*	**34**	**110**	**42**	**23.3**	*	11.8	*	**10**	10.9	*
	Nickel	100	*	*	*	22	37	80	48	96	63	**100**	**190**	**270**	*	58	**100**	57.4	*	*	*	*	**50**	*	*
	Selenium	50	*	11	*	*	6	*	*	19	13	*	*	*	5.5	*	*	*	*	*	*	*	**10**	*	*
	Silver	18	*	*	*	*	*	*	*	2.8	*	*	*	*	*	*	*	*	*	*	*	*	**10**	*	*
	Vanadium	NL	*	*	*	83	84	204	102	150	250	260	460	490	*	120	290	191	*	*	*	*	**20**	*	*
	Zinc	1050	37	25	64	281	308	854	438	380	710	840	1500	1300	12	320	790	403	*	51	*	*	**10**	32.5	11.4

Notes:

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

	MW-6A	NC 2L	Apr-03	Oct-03	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Oct-06	SWSL	Apr-07	Oct-07
VOCs	Acetone	700	12	NS	NS	NS	*	NS	NS	NS	**100**	*	NS
	Benzene	1	**6.3**	NS	NS	NS	**5.6**	NS	NS	NS	**1**	**6.0**	NS
	1,4-Dichlorobenzene	1.4	8.2	NS	NS	NS	**9.5**	NS	NS	NS	**1**	**8.6**	NS
	cis-1,2-Dichloroethene	70	16	NS	NS	NS	17.3	NS	NS	NS	**5**	14.6	NS
	Methylene Chloride	4.6	**11**	NS	NS	NS	**5.2**	NS	NS	NS	**1**	**5.1**	NS
	Tetrachoroethane	0.7	*	NS	NS	NS	*	NS	NS	NS	**1**	**1.6**	NS
	Trichloroethene	2.8	*	NS	NS	NS	1.7	NS	NS	NS	**1**	1.6	NS
Metals	Antimony	NL	36	NS	NS	NS	*	NS	NS	NS	**6**	*	NS
	Barium	2000	280	NS	NS	NS	*	NS	NS	NS	**100**	281	NS
	Chromium	50	6.8	NS	NS	NS	*	NS	NS	NS	**10**	*	NS
	Cobalt	NL	14	NS	NS	NS	14.5	NS	NS	NS	**10**	14.5	NS
	Copper	1000	17	NS	NS	NS	*	NS	NS	NS	**10**	*	NS
	Nickel	100	19	NS	NS	NS	*	NS	NS	NS	**50**	*	NS
	Vanadium	NL	7	NS	NS	NS	*	NS	NS	NS	**20**	*	NS
	Zinc	1050	58	NS	NS	NS	*	NS	NS	NS	**10**	92.5	NS

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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 Franklin Landfill
Franklin, North Carolina

	MW-6C	NC 2L	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
VOC's	Acetone	700	*	12	*	*	*	*	*	*	*	*	*	*	*	*	*	100	*	NS
	Benzene	1	**3.3**	**5.2**	**2.9**	**3.7**	**4**	**3.8**	**4.2**	*	**8.2**	*	**5.5**	**5.8**	**5.6**	**5.1**	**6.5**	**1**	**5.4**	NS
	Carbon Disulfide	700	*	18.6	*	*	*	*	9.9	*	*	*	*	*	*	*	*	100	*	NS
	Chloroethane	2800	*	*	*	1.6	*	*	*	*	*	*	*	*	*	*	*	10	*	NS
	cis-1,2-Dichloroethene	70	8.5	8.3	7.8	9.9	9.4	8.6	10	14	27	15	14.2	16.7	18.4	16.8	15.8	5	15.3	NS
	1,4-Dichlorobenzene	1.4	3.3	4.5	3.3	3.6	4	4.2	3.5	8.4	15	8.5	12.3	**11**	**12.1**	**11.8**	**11.0**	**1**	**11.6**	NS
	1,1-Dichloroethane	70	2	3.5	1.4	2.7	2.2	2.3	2.3	*	*	*	*	*	*	*	*	5.0	*	NS
	Methylene chloride	4.6	**16.6**	**15.8**	**10**	**22**	*	*	*	**10**	**8.1**	*	*	*	*	*	*	1.0	*	NS
	Tetrachloroethene (PCE)	0.7	*	*	**1.8**	**1.8**	**1.6**	*	**1.1**	*	*	*	**2.1**	*	*	**1.3**	**1.5**	**1**	**1.4**	NS
	Trichloroethene (TCE)	2.8	*	*	1.2	1.4	1.4	1.4	1.1	*	*	*	2.0	1.8	*	1.6	2.0	1.0	1.8	NS
	Xylenes total	530	4.8	2.6	*	*	3.4	3.6	3.5	5.4	*	*	*	*	*	*	*	3	3.0	NS
Metals	Antimony	NL	*	*	*	2.2	*	*	*	*	*	*	*	*	*	*	*	6	*	NS
	Arsenic	50	5	*	8.6	6.6	8.4	13	16	*	27	20	16.7	11.1	13.3	13.7	11.7	10	12.9	NS
	Barium	2000	34	30	47	48	61	61	72	11	140	120	*	*	*	*	*	100	171	NS
	Cadmium	1.75	*	*	*	*	*	*	*	*	*	3.3	*	*	*	*	*	1	*	NS
	Chromium	50	19	5	21	11	6.4	*	*	*	*	*	*	*	*	*	*	10	*	NS
	Lead	15	5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	10	*	NS
	Nickel	100	*	*	11	*	*	*	*	*	*	*	*	*	*	*	*	50	*	NS
	Selenium	50	*	6	23	11	*	*	*	*	*	*	*	*	*	*	*	10	*	NS
	Zinc	1050	23	*	41	40	23	14	11	11	*	*	*	*	*	*	*	10	47.7	NS

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 Franklin Landfill
Franklin, North Carolina

	MW-7	NC 2L	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	Oct-03 dup	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Oct-06	SWSL	Apr-07	Oct-07
VOCs	cis-1,2-Dichloroethene	70	*	*	*	5.6	5.9	4.3	4.3	3.3	2.2	4	*	3	*	*	*	*	*	*	*	*	*	**5**	*	*
	1,4-Dichlorobenzene	1.4	*	*	*	4.3	2.8	2	4	2	*	1.9	*	*	*	*	*	*	*	*	*	*	*	**1**	*	*
Metals	Antimony	NL	*	*	*	*	*	*	*	*	2.9	*	*	6.2	*	*	*	*	*	*	*	*	*	**6**	*	*
	Arsenic	50	*	*	*	*	*	9	*	**110**	*	*	*	*	*	*	7.1	*	*	*	*	*	*	**10**	*	*
	Barium	2000	**6,402**	**2,961**	**2,710**	1,100	1,630	**10,200**	1,180	**25,000**	1,900	**12,000**	**2,800**	1,900	380	940	940	960	**2,410**	**3,200**	1,620	1,950	563	**100**	**5,530**	**6,220**
	Beryllium	NL	*	*	*	*	*	*	*	27	3	13	2.4	2	*	*	*	*	2.3	*	*	*	*	**1**	2.0	1.2
	Cadmium	1.75	2	1	*	*	*	4	*	*	**6.4**	**5.3**	*	*	*	*	*	2.7	*	*	*	*	*	**1**	*	*
	Chromium	50	*	5	**69**	10	**68**	**333**	23	**820**	**89**	**530**	**90**	**93**	7.7	**62**	**65**	24	**171**	*	26.1	*	*	**10**	*	*
	Cobalt	NL	19	*	60	*	36	236	*	560	46	370	61	55	*	23	24	18	61.1	49.9	15.9	20.7	*	**10**	54.0	14.7
	Copper	1000	79	23	133	17	108	750	46	**1,600**	200	**1,100**	190	200	16	120	130	55	281	*	*	*	*	**10**	65.3	27
	Lead	15	9	*	6	4	*	*	14	14	*	**92**	14	**19**	*	10	11	9.1	**19.4**	11.4	*	*	*	**10**	11.4	9.5
	Nickel	100	18	*	37	*	37	**137**	11	**550**	56	**300**	53	86	*	43	46	11	78.6	*	*	*	*	**50**	*	*
	Selenuim	50	*	*	*	*	9	*	*	**180**	*	6.9	15	*	*	*	*	*	*	*	*	*	*	**10**	*	*
	Silver	18	*	*	*	*	*	*	*	**18**	*	*	*	*	*	*	*	*	*	*	*	*	*	**10**	*	*
	Vanadium	NL	*	*	108	22	110	311	40	630	200	510	150	160	11	86	92	48	247	*	40.1	*	*	**20**	*	*
	Zinc	1050	112	35	213	34	170	1,050	63	**2,200**	340	1,800	270	240	22	130	150	71	327	55	98	*	*	**10**	113	59.3

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

	MW-7A	NC 2L	Apr-03	Oct-03	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Oct-06	SWSL	Apr-07	Oct-07
VOCs	Benzene	1	*	NS	NS	NS	*	NS	NS	NS	1	**1.3**	**NS**
	Chlorobenzene	50	*	NS	NS	NS	*	NS	NS	NS	3	10.9	**NS**
	cis-1,2-Dichloroethene	70	6.6	NS	NS	NS	5.2	NS	NS	NS	5	8.3	**NS**
	1,4-Dichlorobenzene	1.4	*	NS	NS	NS	6.7	NS	NS	NS	1	**8.1**	**NS**
Metals	Antimony	NL	34	NS	NS	NS	*	NS	NS	NS	6	*	**NS**
	Barium	2000	480	NS	NS	NS	*	NS	NS	NS	100	540	**NS**
	Cadmium	1.75	4.1	NS	NS	NS	1.2	NS	NS	NS	1	1.5	**NS**
	Chromium	50	12	NS	NS	NS	*	NS	NS	NS	10	*	**NS**
	Cobalt	NL	15	NS	NS	NS	*	NS	NS	NS	10	11.9	**NS**
	Copper	1000	19	NS	NS	NS	*	NS	NS	NS	10	*	**NS**
	Lead	15	5	NS	NS	NS	*	NS	NS	NS	10	*	**NS**
	Nickel	100	12	NS	NS	NS	*	NS	NS	NS	50	*	**NS**
	Selenium	50	7.4	NS	NS	NS	*	NS	NS	NS	10	*	**NS**
	Vanadium	NL	18	NS	NS	NS	*	NS	NS	NS	20	*	**NS**
	Zinc	1050	54	NS	NS	NS	*	NS	NS	NS	10	20.2	**NS**

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

	MW-7C	NC 2L	Oct-99	May-00	Oct-00	Apr-01	Oct-01	Apr-02	Oct-02	Apr-03	Oct-03	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Oct-06	SWSL	Apr-07	Oct-07
VOCs	Benzene	1	*	*	*	*	*	*	*	*	*	*	**1.2**	**1.3**	**1.0**	**1.2**	**1.7**	**1**	**1.4**	**1.3**
	Carbon Disulfide	700	90.2	7.1	*	*	*	*	*	*	*	*	*	*	*	*	*	**100**	*	*
	Chlorobenzene	50	*	*	*	*	*	*	*	*	*	*	*	*	*	*	5.7	**3**	7.1	9.5
	cis-1,2-Dichloroethene	70	8.1	5.6	6.4	6.1	6.5	4.8	5.4	8.2	7.1	6.6	5.4	6.6	5.2	6	7.8	**5**	7.1	6.5
	1,4-Dichlorobenzene	1.4	5.7	5.5	4.1	5.1	4.6	4.7	4.5	*	*	6.7	8.1	*	**7.3**	**8.1**	**7.5**	**1**	**7.8**	**8.2**
Metals	Arsenic	50	*	*	8.1	7	*	*	*	*	*	*	*	*	*	*	*	**10**	*	*
	Antimony	NL	*	*	*	*	*	*	*	6.7	*	*	*	*	*	*	*	**6**	*	*
	Barium	2000	416	428	400	140	410	410	410	400	460	460	*	511	573		*	**100**	438	422
	Cadmium	1.75	*	*	*	*	*	*	*	*	*	1.4	*	*	*	*	*	**1**	*	*
	Chromium	50	*	*	2.6	*	*	*	**74**	*	*	*	*	*	*	*	*	**10**	*	*
	Cobalt	NL	*	*	12	*	13	13	13	14	15	16	10.6	13.3	13.8	14.9	*	**10**	13.4	11.5
	Lead	15	*	4	4	*	*	*	*	*	*	*	*	*	*	*	*	**10**	*	*
	Nickel	100	*	*	16	*	*	*	58	*	5.9	*	*	*	*	*	*	**50**	*	*
	Selenium	50	*	*	26	*	*	13	*	7.4	8.4	6.3	*	*	*	*	*	**10**	*	*
	Silver	18	*	*	10	*	*	*	*	*	*	*	*	*	*	*	*	**10**	*	*
	Zinc	1050	28	*	40	*	15	22	27	*	13	*	131	*	*	*	*	**10**	*	62.4

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Historical Analytical Results
Old Franklin Landfill
Franklin, North Carolina

	MW-8	NC 2L	Apr-03	Oct-03	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Oct-06	SWSL	Apr-07	Oct-07
Metals	Arsenic	50	**140**	NS	NS	NS	*	NS	NS	NS	**10**	*	NS
	Barium	2000	**6,100**	NS	NS	NS	*	NS	NS	NS	**100**	224	NS
	Chromium	50	**1,000**	NS	NS	NS	11.3	NS	NS	NS	**10**	13.3	NS
	Cobalt	NL	380	NS	NS	NS	10.6	NS	NS	NS	**10**	16.3	NS
	Copper	1000	**2,400**	NS	NS	NS	*	NS	NS	NS	**10**	30.3	NS
	Lead	15	**150**	NS	NS	NS	*	NS	NS	NS	**10**	13.0	NS
	Nickel	100	**690**	NS	NS	NS	*	NS	NS	NS	**50**	*	NS
	Selenium	50	**62**	NS	NS	NS	*	NS	NS	NS	**10**	*	NS
	Vanadium	NL	1,300	NS	NS	NS	*	NS	NS	NS	**20**	31.7	NS
	Zinc	1050	2,000	NS	NS	NS	*	NS	NS	NS	**10**	60.0	NS

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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 Franklin Landfill
Franklin, North Carolina

MW-9		NC 2L	Apr-03	Oct-03	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Oct-06	SWSL	Apr-07	Oct-07
VOCs	cis-1,2-Dichloroethene	70	5.3	NS	NS	NS	*	NS	NS	NS	**5**	*	NS
	1,4-Dichlorobenzene	1.4	*	NS	NS	NS	*	NS	NS	NS	**1**	**1.9**	NS
	Benzene	1	*	NS	NS	NS	**2.3**	NS	NS	NS	**1**	**2.2**	NS
Metals	Barium	2000	53	NS	NS	NS	*	NS	NS	NS	**100**	*	NS
	Zinc	1050	*	NS	NS	NS	*	NS	NS	NS	**10**	*	NS

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Historical Analytical Results
Old Franklin Landfill
Franklin, North Carolina

	MW-10	NC 2L	Oct-99	May-00	Oct-00	Apr-01	Oct-01	Apr-02	Oct-02	Apr-03	Oct-03	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Oct-06	SWSL	Apr-07	Oct-07
VOCs	Benzene	1	*	*	*	**1.3**	*	**1.3**	**2.9**	*	*	*	**1.1**	**1.2**	**1.1**	**1.0**	**1.3**	**1**	**1.3**	*
	Carbon Disulfide	700	137	51.4	78	*	*	*	2.4	*	*	*	*	*	*	*	*	**100**	*	*
	Chloroethane	2800	*	*	*	1.3	*	*	*	*	*	*	*	*	*	*	*	**10**	*	*
	cis-1,2-Dichloroethene	70	7.8	9.3	8.5	7.8	3.3	4.9	6.2	8	7.8	*	5.3	6.3	6.0	5.7	5.2	**5**	5.5	*
	1,4-Dichlorobenzene	1.4	5.1	5	3.6	3.6	1.6	2.7	2.6	*	*	*	5.3	**5**	*	**5.1**	*	**1**	**5.0**	**4.9**
Metals	Arsenic	50	*	*	12	5.3	*	*	*	*	*	*	*	*	*	*	*	**10**	*	*
	Barium	2000	91	105	110	77	120	120	120	95	100	880	*	*	*	*	*	**100**	111	115
	Cadmium	1.75	*	*	*	*	*	*	*	*	*	3.5	*	*	*	*	*	**1**	*	*
	Chromium	50	*	*	7.5	*	*	*	*	*	*	**61**	*	*	*	*	*	**10**	*	*
	Cobalt	NL	*	*	*	*	*	*	*	*	*	19	*	*	*	*	*	**10**	*	*
	Copper	1000	*	*	*	*	*	*	*	*	*	42	*	*	*	*	*	**10**	*	*
	Lead	15	*	*	*	*	*	*	*	*	*	**17**	*	*	*	*	*	**10**	*	*
	Nickel	100	*	*	15	*	*	*	*	*	*	26	*	*	*	*	*	**50**	*	*
	Selenium	50	*	*	22	*	*	11	*	*	*	*	*	*	*	*	*	**10**	*	*
	Vanadium	NL	*	*	*	*	*	*	*	*	*	110	*	*	*	*	*	**20**	*	*
	Zinc	1050	28	20	45	*	*	20	37	*	*	140	*	*	*	*	*	**10**	26.8	*

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Historical Analytical Results
Old Franklin Landfill
Franklin, North Carolina

	Dowdle	NC 2L	Jun-94	Oct-94	Mar-95	Nov-95	Apr-96	Oct-96	Oct-97	Apr-98	Oct-98	Apr-99	Jun-99	Oct-99	May-00	Oct-00	Apr-01	Oct-01	Apr-02	Oct-02	Apr-03	Oct-03	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Oct-06	SWSL	Apr-07	Oct-07
VOCs	Chloroform	70	NS	NS	NS	NS	NS	NS	**53**	*	*	**23.2**	*	**42.6**	*	*	*	*	*	**1.1**	*	NS	NS	*	*	*	*	NS	5	NS	NS
	Bromodichloromethane	0.56	NS	NS	NS	NS	NS	NS	*	*	*	**3.7**	*	**35**	*	*	*	*	*	*	*	NS	NS	*	*	*	*	NS	1	NS	NS
	1,4-Dichlorobenzene	1.4	NS	NS	NS	NS	NS	NS	*	*	*	*	*	*	*	*	*	*	*	*	*	NS	NS	*	*	*	*	NS	1	NS	NS
	1,2-Dibromo-3-chloropropane (DBCP)	0.025	NS	NS	NS	NS	NS	NS	*	*	*	**0.12**	*	*	*	*	*	*	*	*	*	NS	NS	*	*	*	*	NS	1	NS	NS
	cis-1,2-Dichloroethene	70	NS	NS	NS	NS	NS	NS	*	*	29	*	*	*	*	*	*	1.8	1.8	1.5	*	NS	NS	*	*	*	*	NS	5	NS	NS
Metals	Barium	2,000	NS	NS	NS	NS	NS	NS	*	60	*	12	12	12	64	39	28	2.3	28	27	*	NS	NS	*	*	*	*	NS	100	NS	NS
	Cadmium	1.75	NS	NS	NS	NS	NS	NS	2	*	*	*	*	*	1	*	*	*	*	*	*	NS	NS	*	*	*	*	NS	1	NS	NS
	Chromium	50	NS	NS	NS	NS	NS	NS	5	*	*	*	*	*	*	5.6	*	*	*	*	*	NS	NS	*	*	*	*	NS	10	NS	NS
	Lead	15	NS	NS	NS	NS	NS	NS	*	4	*	*	*	*	4	*	8.9	*	*	*	*	NS	NS	*	**23.4**	12.8	*	NS	10	NS	NS
	Selenium	50	NS	NS	NS	NS	NS	NS	5	*	*	*	*	*	*	23	6	*	12	*	*	NS	NS	*	*	*	*	NS	10	NS	NS
	Zinc	1,050	NS	NS	NS	NS	NS	NS	*	**9460**	**4130**	*	*	*	**4320**	**2500**	**3400**	**5100**	**2100**	**3200**	*	NS	NS	**4060**	**3950**	**4320**	**3220**	NS	10	NS	NS

	Haire	NC 2L	Jun-94	Oct-94	Mar-95	Nov-95	Apr-96	Oct-96	May-97	Oct-97	Apr-98	Oct-98	Apr-99	Oct-99	May-00	Oct-00	Apr-01	Oct-01	Apr-02	Oct-02	Apr-03	Oct-03	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Oct-06	SWSL	Apr-07	Oct-07
VOCs	Chloroform	70	*	**0.4**	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	5	*	*
Metals	Barium	2,000	*	221	*	*	*	107	*	*	37	40	45	60	60	58	53	55	54	60	56	41	50	*	*	*	*	*	100	*	*
	Copper	1,000	*	32	*	*	*	24	*	*	32	31	24	40	51	59	20	25	42	29	15	19	26	*	*	*	*	*	10	49.2	25.0
	Lead	15	*	*	*	*	*	*	5	*	*	*	*	*	4	5.5	*	*	*	*	*	*	*	*	*	*	*	*	10	*	*
	Silver	17.5	*	*	*	*	*	*	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	10	*	*
	Thallium	NL	*	*	*	*	*	*	14	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	5	*	*
	Zinc	1,050	*	*	*	*	*	40	*	*	52	*	*	32	36	32	25	24	44	38	*	22	*	*	*	*	*	67.7	10	30.5	11.5

	Keener	NC 2L	Jun-94	Oct-94	Mar-95	Nov-95	Apr-96	Oct-96	May-97	Oct-97	Apr-98	Oct-98	Apr-99	Oct-99	May-00	Oct-00	Apr-01	Oct-01	Apr-02	Oct-02	Apr-03	Oct-03	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Oct-06	SWSL	Apr-07	Oct-07
VOCs	Bromodichloromethane	0.56	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**2.4**	**3.2**	**2.7**	NS	NS	NS	NS	*	NS	NS	NS	NS	1	NS	NS
	Chloroform	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**18**	**51**	**24**	NS	NS	NS	NS	*	NS	NS	NS	NS	5	NS	NS
	cis-1,2-Dichloroethene	70	*	*	*	*	*	*	*	*	*	4.8	4.2	4.2	7.7	3.3	*	*	*	NS	NS	NS	NS	*	NS	NS	NS	NS	5	NS	NS
	1,4-Dichlorobenzene	1.4	*	*	*	*	*	*	*	*	*	*	*	*	5.7	2.9	*	*	*	NS	NS	NS	NS	*	NS	NS	NS	NS	1	NS	NS
	Tetrachloroethene (PCE)	0.7	*	*	*	*	*	*	*	*	*	*	*	**2.8**	*	*	*	*	*	NS	NS	NS	NS	*	NS	NS	NS	NS	1	NS	NS
Metals	Arsenic	50	*	*	*	*	*	*	*	*	*	*	*	*	*	14	*	*	*	NS	NS	NS	NS	*	NS	NS	NS	NS	10	NS	NS
	Barium	2000	*	*	*	*	*	*	*	*	38	50	35	80	122	83	10	15	11	NS	NS	NS	NS	*	NS	NS	NS	NS	100	NS	NS
	Cadmium	1.75	*	*	*	*	*	*	*	*	*	*	*	*	**5**	*	*	*	*	NS	NS	NS	NS	*	NS	NS	NS	NS	1	NS	NS
	Chromium	50	*	*	*	*	*	*	*	*	*	*	*	*	*	12	*	*	*	NS	NS	NS	NS	*	NS	NS	NS	NS	10	NS	NS
	Lead	15	*	*	*	*	*	*	*	*	*	*	*	*	6	6	*	*	*	NS	NS	NS	NS	*	NS	NS	NS	NS	10	NS	NS
	Nickel	100	*	*	*	*	*	*	*	*	*	*	*	*	*	24	*	*	*	NS	NS	NS	NS	*	NS	NS	NS	NS	10	NS	NS
	Selenium	50	*	*	*	*	*	*	*	*	*	*	*	*	13	35	*	*	*	NS	NS	NS	NS	*	NS	NS	NS	NS	10	NS	NS
	Zinc	1050	*	*	*	*	*	*	*	*	615	611	468	570	788	660	11	14	*	NS	NS	NS	NS	*	NS	NS	NS	NS	10	NS	NS

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Appendix E

Statistical Analysis

		Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead
MW-2	**Jun-94**	0.005	0.250	0.001	0.0005	0.005	0.005	0.100	0.005
MW-2	**Oct-94**	0.005	0.844	0.001	0.0005	0.005	0.005	0.100	0.005
MW-2	**Mar-95**	0.005	0.632	0.001	0.0005	0.005	0.005	0.100	0.005
MW-2	**Nov-95**	0.005	0.581	0.001	0.0005	0.005	0.005	0.100	0.005
MW-2	**Apr-96**	0.005	0.250	0.001	0.0005	0.005	0.005	0.100	0.005
MW-2	**Oct-96**	0.005	0.892	0.001	0.0005	0.106	0.040	0.100	0.005
MW-2	**May-97**	0.005	0.250	0.001	0.001	0.005	0.005	0.100	0.005
MW-2	**Oct-97**	0.005	0.250	0.001	0.0005	0.035	0.005	0.100	0.005
MW-2	**Apr-98**	0.005	0.250	0.001	0.0005	0.005	0.005	0.100	0.005
MW-2	**Oct-98**	0.011	0.250	0.001	0.0005	0.06	0.029	0.100	0.005
MW-2	**Apr-99**	0.005	0.250	0.001	0.0005	0.018	0.005	0.100	0.005
MW-2	**Oct-99**	0.005	2.12	0.001	0.0005	0.172	0.077	0.100	0.028
MW-2	**May-00**	0.005	0.250	0.001	0.0005	0.019	0.005	0.100	0.005
MW-2	**Apr-01**	0.005	0.250	0.001	0.0005	0.026	0.005	0.100	0.019
MW-2	**Apr-03**	0.005	0.250	0.001	0.0005	0.005	0.005	0.100	0.005
MW-8	**Apr-03**	0.140	6.10	0.001	0.0005	1.00	0.380	2.40	0.150
MW-2	**Apr-05**	0.005	0.250	0.001	0.0005	0.005	0.005	0.100	0.005
MW-8	**Apr-05**	0.005	0.250	0.001	0.0005	0.0113	0.0106	0.100	0.005
MW-2	**Apr-07**	0.005	0.189	0.0005	0.0005	0.005	0.005	0.005	0.005
MW-8	**Apr-07**	0.005	0.224	0.0005	0.0005	0.0133	0.0163	0.0303	0.0130
	PQL	0.010	0.500	0.002	0.001	0.010	0.010	0.200	0.010
	SWSL	0.006	0.100	0.001	0.001	0.010	0.010	0.010	0.010
	# Obs.	20	20	20	20	20	20	20	20
	# NDs	18	12	20	19	10	14	18	16
	% NDs	90%	60%	100%	95%	50%	70%	90%	80%
	Method	Nonparametric	Nonparametric	Nonparametric	Nonparametric	Nonparametric	Nonparametric	Nonparametric	Nonparametric
	Limit	0.140	6.100	0.002	0.001	1.00	0.380	2.40	0.150

Arsenic 0.140
Barium 6.10
Beryllium 0.002
Cadmium 0.001
Chromium 1.00
Cobalt 0.380
Copper 2.40
Lead 0.150
Nickel 0.690
Selenium 0.062
Vanadium 1.30
Zinc 2.00

		Nickel	Selenium	Vanadium	Zinc
MW-2	**Jun-94**	0.025	0.010	0.020	0.025
MW-2	**Oct-94**	0.025	0.010	0.020	0.025
MW-2	**Mar-95**	0.025	0.010	0.020	0.025
MW-2	**Nov-95**	0.025	0.010	0.020	0.025
MW-2	**Apr-96**	0.025	0.010	0.020	0.025
MW-2	**Oct-96**	0.025	0.010	0.145	0.143
MW-2	**May-97**	0.025	0.010	0.020	0.025
MW-2	**Oct-97**	0.025	0.010	0.020	0.106
MW-2	**Apr-98**	0.025	0.010	0.020	0.025
MW-2	**Oct-98**	0.025	0.010	0.076	0.134
MW-2	**Apr-99**	0.025	0.010	0.020	0.080
MW-2	**Oct-99**	0.066	0.010	0.245	0.534
MW-2	**May-00**	0.025	0.010	0.020	0.025
MW-2	**Apr-01**	0.025	0.010	0.020	0.025
MW-2	**Apr-03**	0.025	0.010	0.020	0.025
MW-8	**Apr-03**	0.690	0.062	1.30	2.00
MW-2	**Apr-05**	0.025	0.010	0.020	0.025
MW-8	**Apr-05**	0.025	0.010	0.020	0.025
MW-2	**Apr-07**	0.025	0.005	0.010	0.0157
MW-8	**Apr-07**	0.025	0.005	0.0317	0.0600
	PQL	0.050	0.020	0.040	0.050
	SWSL	0.050	0.010	0.020	0.010
	# Obs.	20	20	20	20
	# NDs	18	19	15	12
	% NDs	90%	95%	75%	60%
	Method	Nonparametric	Nonparametric	Nonparametric	Nonparametric
	Limit	0.690	0.062	1.30	2.00