Fac/Perm/Co ID #	Initials Trail	Date	Doc ID #
57-03		03/16/90	DIN 8490

Municipal Solid Waste Landfill

Macon County, North Carolina
Permit No. 57-03

Water Quality Monitoring Program 2nd Semi-Annual 2008 Report

March 2009

REIC

RESEARCH ENVIRONMENTAL & INDUSTRIAL CONSULTANTS, INC.

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

225 Industrial Park Rd.
Post Office Box 286
Beaver, WV 25813
800.999.0105
304.255.2500 • 304.255.2572 (fax)
website: www.reiclabs.com

Member:

American Chemical Society

Association of Official Analytical Chemists

Petroleum Marketers Association

Rural Water Association

Mining & Reclamation Association

American Water Works Association

The Solid Waste Association of North America

West Virginia Manufacturers Association

Association of West Virginia Solid Waste Authorities

West Virginia Oil Marketers & Grocers Association

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

Respectfully submitted,

3-16-09

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 & RECOMMENDATIONS	8
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 2008 for the Macon County Municipal Solid Waste (MSW) Landfill, Permit No. 57-03, an active 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 and surface water locations in the vicinity of the landfill. This report has been prepared in accordance with NCAC 13B Section .1632(j).

The 2nd Semi-annual monitoring event was performed on October 14 and 15, 2008. Groundwater samples were collected from eighteen (18) monitoring wells; in addition, samples were collected from four (4) surface water locations. All samples were analyzed for North Carolina Appendix I parameters. Volatile organic compounds (VOCs) were detected above laboratory practical quantitation limits/Solid Waste Section Limits (PQLs/SWSLs) in wells MW-1A, MW-1B, MW-1D, MW-5D, and MW-23; VOCs were not detected in any other samples. A summary of the VOCs detected above PQLs/SWSLs is given in the following table:

Parameter	**Monitoring Well**
Benzene	MW-1A, MW-1B, MW-1D
Chlorobenzene	MW-1A, MW-1B, MW-1D
Chloroethane	MW-1A, MW-1B
1,4-Dichlorobenzene	MW-1A, MW-1B, MW-1D, MW-23
cis-1,2-Dichlorethene	MW-1A
1,1-Dichloroethane	MW-1A, MW-1B, MW-1D, MW-23
Methylene Chloride	MW-5D
Vinyl Chloride	MW-1A, MW-1B
Xylenes	MW-5D

The following VOCs were detected above North Carolina groundwater quality standards: benzene and 1,4-dichlorobenzene in wells MW-1A, MW-1B, and MW-1D; and vinyl chloride in wells MW-1A and MW-1B. Statistical analysis of analytical results for metals yielded the following elevations:

Parameter	**Monitoring Well**
Barium	MW-1D
Beryllium	MW-19, MW-22
Cobalt	MW-1D
Lead	MW-19
Nickel	MW-1D
Vanadium	MW-1D

No metals were detected above North Carolina groundwater standards with the exception of cadmium in well MW-5D; chromium in wells MW-1D and MW-22; and lead in wells MW-1D, MW-19, and MW-22. Note that suspended solids were elevated in wells with metals elevations. In addition, analysis of the samples for dissolved metals yielded no detections, indicating that the above metals elevations are due to naturally occurring material associated with the sediments in the wells.

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 in the vicinity of the MSW Landfill. From this data, groundwater appears to be flowing to the west, northwest, and north in the vicinity of the waste areas. An average groundwater flow rate across the landfill has been estimated at 11 feet/year.

2.0 INTRODUCTION

REI Consultants, Inc. (REIC) has prepared the 2nd Semi-Annual Water Quality Monitoring Report for 2008 for the Macon County MSW Landfill, Permit No. 57-03, an active municipal solid waste disposal facility located approximately a mile and half north of the town of Franklin in Macon County, North Carolina. The facility consists of a completed waste area, no longer active, in the southwest area of the property, and an active cell situated northeast of the closed area. A baling facility and recycling area are located east of the active portion of the landfill. Lake Emory (the Little Tennessee River) is situated to the northwest and north of the site.

The groundwater monitoring well network at the MSW Landfill consists of wells MW-1A, MW-1B, MW-2, MW-3A, MW-5D, MW-10, MW-14, MW-15, MW-17, MW-18, MW-19, MW-19A, MW-20, MW-21, MW-22, and MW-22A (see Figure, Section 7.0, for locations). Monitoring wells MW-10, MW-17, and MW-18 are located hydraulically upgradient of the waste areas, and therefore are designated as the background wells for the facility. Monitoring wells MW-1A, MW-1B, MW-2, MW-3A, MW-5D, MW-14, MW-15, MW-19, MW-19A, MW-20, MW-21, MW-22, and MW-22A are located downgradient of the waste areas, and are monitored as compliance wells. Well MW-5D was installed prior to the 2nd semiannual 2008 event in order to replace well MW-5, which had been dry since 2000. The facility is currently in detection monitoring. However, limited assessment activities were performed in the vicinity of wells MW-1A and MW-1B during the 2nd semiannual 2007 event due to the VOC detections in these wells. Wells MW-1D and MW-23 were installed prior to the 2nd semiannual 2007 monitoring event, and were sampled in that event and again during the 1st and 2nd semiannual 2008 events. These two wells will be sampled for four consecutive events as discussed in the "Report of Limited Groundwater Contamination Assessment," December 2007, by Bunnell-Lammons Engineering, Inc.

In addition to the above monitoring wells, samples are collected from four (4) surface water locations, designated SW-1, SW-2, SW-3, and SW-4. Sample SW-1 is collected from Lake Emory downriver from the effluent of the Town of Franklin Wastewater Treatment Plant, which is located adjacent to the southwest end of the landfill. SW-2 is located approximately 1450 feet downriver of SW-1. Samples SW-3 (upstream) and SW-4 (downstream) are collected from a perennial tributary stream to Lake Emory that runs north along the east side of the landfill facility (see Figure for locations). Surface water samples are analyzed semi-annually for Appendix I parameters. In addition to the groundwater and surface water samples, a sample is collected semi-annually from the MSW Landfill leachate pond; this sample is analyzed for Appendix I parameters and nitrate, sulfate, phosphorus, BOD, and COD.

For the 2nd semi-annual 2008 monitoring event, field sampling was performed on October 14 and 15, 2008. Samples were collected from all of the above locations.

3.0 HYDROLOGIC EVALUATION

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

The majority of the monitoring wells at the facility are screened in the soil/saprolite layer overlying the resident bedrock. Two wells, MW-1A and MW-3A, are reportedly installed in bedrock. The two wells in the pair MW19/MW19-A are both screened in saprolite; MW-19A is screened deeper. In well pair MW-22/MW22-A, well MW-22 is

screened in shallow saprolite and well MW-22A monitors the transition zone at the saprolite/bedrock interface. New wells MW-1D and MW-5D are completed in bedrock, while well MW-23 is screened in the saprolite.

Generally, groundwater flows under the closed portion of the facility to the west and northwest, and under the active area to the northwest and north. Groundwater flows from upland areas toward Lake Emory. The background wells MW-10, MW-17, and MW-18 are situated hydrologically upgradient of the landfill, and all compliance wells are located hydrologically downgradient of the waste areas.

Previous investigators conducted both in-situ aquifer slug tests and laboratory permeability tests in order to estimate typical hydraulic conductivities at the site. Elevation data from the 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 across the site, which was estimated to be 11 ft/year. Groundwater flow rate calculations are included in Appendix A.

4.0 SAMPLING AND LABORATORY ANALYSIS

Monitoring wells at the MSW 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. Several groundwater samples were noted as exhibiting very high turbidity. Field sampling logs are included in Appendix B. A summary of field sample data is included in Section 8.0, Table 1.

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. VOCs were detected in wells MW-1A, MW-1B, MW-1D, MW-5D, and MW-23; benzene, 1,4-dichlorobenzene, and vinyl chloride exceeded North Carolina groundwater standards in wells MW-1A and MW-1B; benzene and 1,4-dichlorobenzene also exceeded groundwater standards in well MW-1D. No VOCs were detected in any other sample. No metals were detected above North Carolina groundwater standards in any sample with the exception of cadmium in well MW-5D, chromium in wells MW-1D and MW-22, and lead in wells MW-1D, MW-19, and MW-22. However, suspended solids were high in samples from each of these wells, which result in elevated metals levels. In addition, higher cadmium, chromium, and lead levels have been observed in background wells at the facility. A summary of laboratory results in included in Section 8.0, Table 2. Laboratory reports and chain-of-custody records are included in Appendix C. Data have been reported to method detection limits (MDLs) as requested by NCDENR. However, note that any values reported below SWSLs flagged with a "J" qualifier, are only estimates, are not quantitative, and should not be used numerically in any way.

5.0 STATISTICAL ANALYSIS

A statistical analysis was conducted for the 2nd semi-annual 2008 sampling event. Monitoring constituents were evaluated under the guidelines of "Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Addendum to Interim Final Guidance" (U.S. EPA Office of Solid Waste, July 1992). Downgradient well constituent concentrations were compared to upper prediction limits derived from historical data pooled from the three upgradient wells. The pooled upgradient data provides a characterization of spatial variability. Prediction intervals were constructed as follows. For constituents where more than 15 but less than 50 percent of the data were below PQLs/SWSLs, parametric prediction intervals modified by Cohen's Adjustment were utilized. Tables from "Statistical Methods for Groundwater Monitoring", (Robert D. Gibbons, 1994) were utilized to calculate parametric limits (see Appendix D). Data utilized for parametric limits was tested for normality using the Shapiro-Wilk test, and logarithmic transformations were used when appropriate. For constituents where 50 percent or more of the data were below PQLs/SWSLs, a non-parametric prediction limit was constructed using the maximum historical background measurement. Organic constituents were designated as significantly elevated when they were quantified at or above PQLs/SWSLs.

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

Parameter	Monitoring Well
Benzene	MW-1A, MW-1B, MW-1D
Chlorobenzene	MW-1A, MW-1B, MW-1D
Choroethane	MW-1A, MW-1B
1,4-Dichlorobenzene	MW-1A, MW-1B, MW-1D, MW-23
1,1-Dichloroethane	MW-1A, MW-1B, MW-1D, MW-23
cis-1,2-Dichloroethene	MW-1A
Methylene Chloride	MW-5D
Vinyl Chloride	MW-1A, MW-1B
Xylenes	MW-5D

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

Parameter	Monitoring Well
Barium	MW-1D
Beryllium	MW-19, MW-22
Cobalt	MW-1D
Lead	MW-19
Nickel	MW-1D
Vanadium	MW-1D

Statistical data is included in Appendix D.

6.0 CONCLUSIONS AND RECOMMENDATIONS

- The 2nd semi-annual 2008 water quality monitoring event at the Macon County MSW Landfill has been performed in accordance with State and Federal Guidelines.

- The direction of groundwater flow in the vicinity of the waste areas is generally to the west, northwest, and north from upland areas toward Lake Emory.

- The average rate of groundwater flow in the vicinity of the landfill is estimated at 11 feet/year.

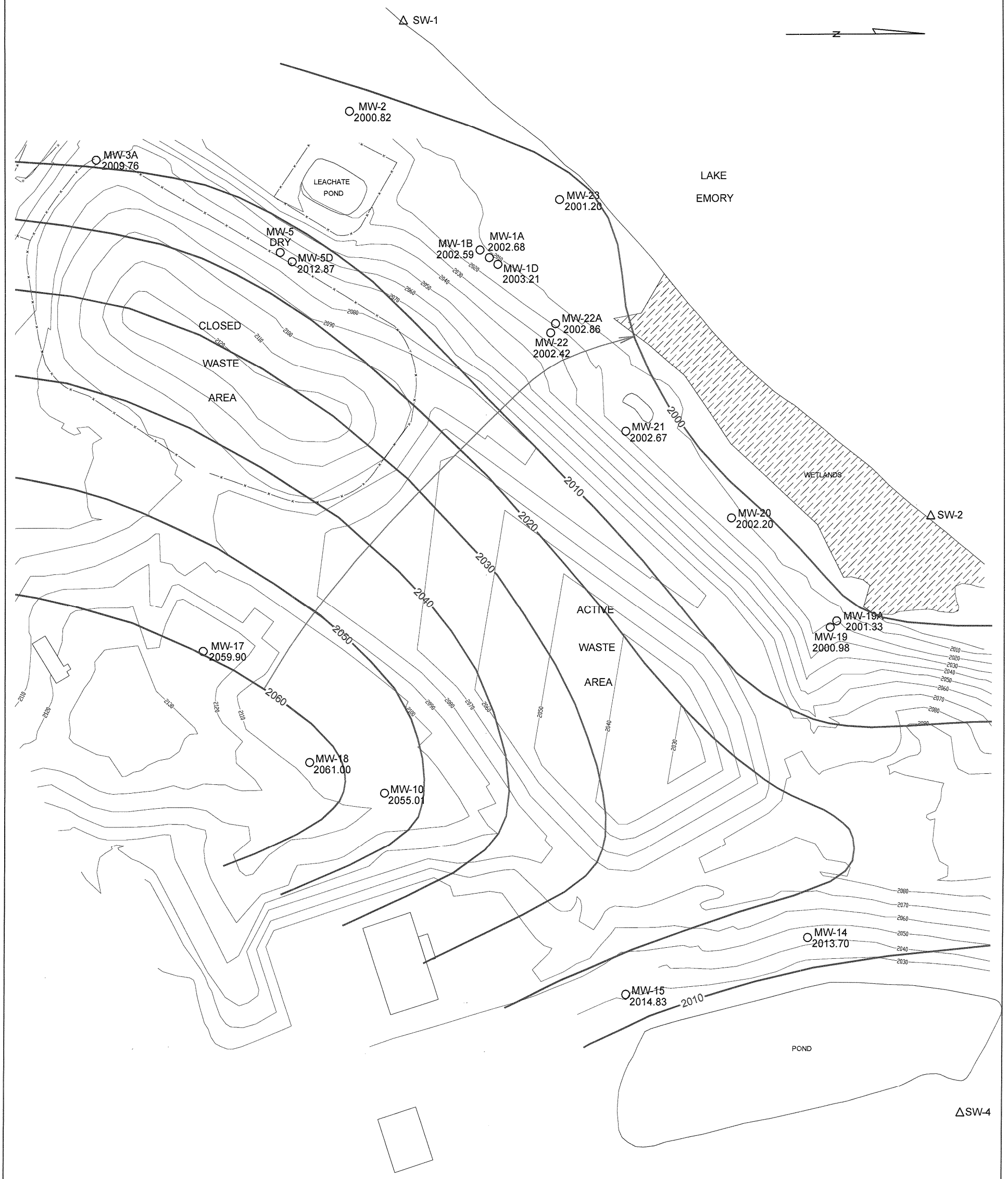
- VOCs were detected in wells MW-1A, MW-1B, MW-1D, MW-5D, and MW-23.

- Benzene, 1,4-dichlorobenzene, and vinyl chloride exceeded North Carolina groundwater standards in wells MW-1A and MW-1B. Benzene and 1,4-dichlorobenzene exceeded the groundwater standard in well MW-1D.

- Various metals were statistically elevated above background. However, suspended solids and dissolved metals analyses indicate that the elevations are due to naturally occurring material associated with sediments in the samples.

- No metals were detected above North Carolina groundwater standards with the exception of cadmium in well MW-5D; chromium in wells MW-1D and MW-22; and lead in wells MW-1D, MW-19, and MW-22. However, concentrations were less than levels observed historically in background wells.

7.0 Figure



POTENTIOMETRIC CONTOURS

MUNICIPAL SOLID WASTE LANDFILL
MACON COUNTY, NORTH CAROLINA
PERMIT NO. 18-03

2ND SEMIANNUAL 2008 MONITORING EVENT DATA

PREPARED BY:
REI CONSULTANTS, INC.
DECEMBER 2008

REI Consultants, Inc.

LEGEND

○	MONITORING WELL LOCATION
△	SURFACE WATER SAMPLING LOCATION
2014.83	GROUNDWATER ELEVATION
———	TOPOGRAPHIC CONTOURS
———	POTENTIOMETRIC CONTOURS
———	GROUNDWATER FLOW PATH

ALL MEASUREMENTS IN FEET

SCALE: 1' = 200'

0 100 200

8.0 Tables

Table 1

MSW Landfill

Permit: 57-03

2nd Semi-Annual Monitoring 2008

-Sampling Information-

Sampling Date: 10/14-15/08
Sampler(s): R Farley/ A McBride/J. Kesterson
Weather Conditions: Sunny 80°F

Sampling Log Summaries

Property	Units	MW-1A	MW-1B	MW-1D	MW-2	MW-3A	MW-5	MW-5D	MW-10	MW-14	MW-15	MW-17	MW-18	MW-19
Sampling Depth	**Feet**	14.30	9.55	53.47	14.26	60.81	NS	63.36	62.62	38.55	15.96	76.93	58.03	20.04
Static Depth	**Feet**	9.57	9.60	10.44	13.96	60.79	NS	62.80	60.07	35.84	14.36	73.40	54.40	20.02
Well Depth	**Feet**	31.10	17.45	63.05	20.15	67.62	NS	69.82	67.60	42.57	17.97	83.30	62.08	25.80
Water Column Height	**Feet**	21.53	7.85	52.61	6.19	6.83	NS	7.02	7.53	6.73	3.61	9.90	7.68	5.78
Volume Purged	**Liters**	35	15	48	11	11	NS	13	6	5	6	18	15	9
Purging Status	**-----**	Finished	Finished	Finished	Finished	Finished	NS	Finished	Purged Dry	Purged Dry	Finished	Finished	Finished	Finished
						Physical Properties								
pH	**SU**	5.37	5.38	6.83	6.08	5.48	NS	5.60	5.53	5.43	4.98	4.86	5.93	5.34
Temperature	**°C**	16.8	17.1	13.6	15.2	16.9	NS		15.2	15.5	17.3	14.7	15	16.8
Conductivity	**umhos/cm**	187.8	165.4	1109	522	28.4	NS	61.30	116.1	13.51	25.7	63	71.1	38.8
Turbidity	**NTU**	26	63.6	>200	11.84	10.82	NS	78.80	44.9	>200	>200	101	127	>200
Appearance	**-----**	Cloudy	Cloudy	Cloudy	Clear	Clear	NS	Cloudy	Cloudy	Cloudy	Cloudy	Cloudy	Cloudy	Cloudy
		no odor	no odor	no odor	no odor	no odor	NS	no odor	no odor	no odor	no odor	no odor	no odor	no odor
TSS	**mg/L**	14	39	469	106	7	NS	83	323	214	239	371	182	722

NS - No sample

Table 1 (cont)

MSW Landfill

-Sampling Information-

Permit: 57-03

2nd Semi-Annual Monitoring 2008

Sampling Date: 10/14-15/08
Sampler(s): R Farley/ A McBride/J. Kesterson
Weather Conditions: Sunny 80°F

Property	Units	MW-19A	MW-20	MW-21	MW-22	MW-22A	MW-23	SW-1	SW-2	SW-3	SW-4
Sampling Depth	**Feet**	38.25	13.45	21.17	18.80	29.85	14.40	-	-	-	-
Static Depth	**Feet**	19.47	13.20	18.23	18.50	15.08	5.88	-	-	-	-
Well Depth	**Feet**	57.09	23.03	26.93	25.10	42.30	30.95	-	-	-	-
Water Column Height	**Feet**	37.62	9.83	8.70	6.60	27.22	25.07	-	-	-	-
Volume Purged	**Liters**	24	15	15	12	29	40	-	-	-	-
Purging Status	**-----**	Purged Dry	Finished	Finished	Finished	Purged Dry	Finished	-	-	-	-
					Physical Properties						
pH	**SU**	6.75	4.81	5.21	5.58	6.54	5.91	6.68	6.88	6.26	6.36
Temperature	**°C**	13.8	17	15.6	15.3	15.3	14.7	16.8	15.6	20.5	18.7
Conductivity	**umhos/cm**	63.9	48.5	43.4	141.5	227	275	74.8	63.8	52.5	61.7
Turbidity	**NTU**	24.9	73.2	35.8	>200	25.6	132	4.59	5.1	9.15	4.86
Appearance	**-----**	Slightly cloudy	Cloudy	Cloudy	Muddy	Cloudy	Cloudy	Clear		Clear	Clear
		no odor	no odor	no odor	no odor	no odor	no odor	no odor		no odor	no odor
TSS	**mg/L**	10	76	33	1420	28	113	7	3	8	4

Table 2

MSW Landfill

Permit: *#57-03*

2nd Semi Annual 2008

-Summary of Detections-

		Summary of Detections by Monitoring Well																						
	Parameter	**NC 2L**	**SWSL**	**MW-1A**	**MW-1B**	**MW-1D**	**MW-2**	**MW-3A**	**MW-5D**	**MW-10**	**MW-14**	**MW-15**	**MW-17**	**MW-18**	**MW-19**	**MW-19A**	**MW-20**	**MW-21**	**MW-22**	**MW-22A**	**MW-23**	**SW-1**	**SW-2**	**SW-3**	**SW-4**
VOCs	Benzene	**1**	1	**1.4**	**1.5**	**1.5**																		
	Chlorobenzene	**50**	3	4.9	3.9	2.3																		
	Chloroethane	**2800**	10	1.8	1.3																			
	1,4-Dichlorobenzene	**1.4**	1	**6.3**	**5.0**	**2.2**															1.1				
	1,1-Dichloroethane	**70**	5	3.8	3.2	3.2															1.7				
	cis-1,2-Dichloroethene	**70**	5	1.1																				
	Methylene Chloride	**4.6**	1						1.7															
	Vinyl chloride	**0.015**	1	**1.8**	**1.6**																			
	Xylenes	**530**	3						6.1															
Metals	Arsenic	**50**	10																					
	Barium	**2000**	100			1720	347		254	369		133	220	237	1170				1020		150				
	Beryllium	**NL**	1			1.3									2.2				2.8						
	Cadmium	**1.75**	1						**2.8**															
	Chromium	**50**	10			**125**			11.9	10.3			13.3	11.1	19.3				**61.4**						
	Cobalt	**NL**	10	21.5	14.7	73.4	46.1						13.1		25.0				59.0						
	Copper	**1000**	10			64.2			12.7				14.7		24.1				54.2						
	Lead	**15**	10			**22.7**									**64.0**				**26.7**						
	Nickel	**100**	50			82.1																			
	Vanadium	**NL**	20			284									31.6				109						
	Zinc	**1050**	10	11.4		216	26.3		19.2	31.5	12.4	23.9	65.4	27.8	139	13.2	10.6		153		21.7				
	TSS			14	39	469	106	7	83	323	214	239	371	182	722	10	76	33	1420	28	113	7	3	8	4

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 laboratory SWSLs are listed.

Appendix A

Groundwater Flow Rate

Flow Path

X	Y	Distance (ft)
2617.8	-877.8	
2668.9	-794.7	97.6
2706.0	-741.4	65.0
2737.5	-698.8	53.0
2802.6	-618.6	103.3
2866.2	-548.4	94.8
2924.7	-487.8	84.2
2985.5	-426.3	86.5
3069.5	-342.6	118.5
3129.3	-285.0	83.0
3155.6	-261.7	35.1
3184.9	-240.1	36.5
3212.2	-224.0	31.7
3253.1	-207.2	44.2
3293.6	-194.0	42.7
3358.0	-176.1	66.7

Horizontal Distance	1042.7	ft
Vertical Difference	60	ft

Hydraulic gradient, I	0.058 ft/ft
K	4.9E-05 cm/sec
n_{eff}	0.27
$V = KI/n_{eff}$	11 ft/yr

Appendix B

Field Sample Logs

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name:	MSW Landfill	**Project :**	2nd Semi 2008	**Well #:**	MW-1A
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: 10-14-08 1407 **Weather Conditions:** Sunny 80°F

Static Depth (Depth to Water)	9.57 (Ft)	Volume	12.46 (Liters)
Well Depth	31.10 (Ft)	3 Volumes	37.39 (Liters)
Water Column Height	21.53 (Ft)	Volume Purged	35 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1410	5.57	215	18.7	9.41	1
1412	5.50	191.7	16.4	21.1	7
1413	5.40	190.4	15.9	22.2	14
1415	5.36	189.4	15.5	19.65	21
1417	5.39	189.0	15.8	23.7	28
1419	5.39	188.5	15.5	12.44	35
1419		Finished Purging			35

SAMPLING DATA

Date:	10-14-08	**Time:**	10-14-08	
Method:	Teflon Bailer	**Sampling Depth:**	14.30'	
pH:	5.37	**Conductivity:**	187.8	(umhos/cm)
Temperature:	16.8 (°C)	**Turbidity:**	26.0	(NTU)

Odor and Physical Appearance of Sample: Cloudy - no odor

Comments:

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

Sampler's Signature: Allen McBride **Date:** 10-14-08

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name:	MSW Landfill	**Project :**	2nd Semi 2008	**Well #:**	MW-1B
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: 10-14-08 1419 **Weather Conditions:** Sunny 80°F

Static Depth (Depth to Water)	9.60 (Ft)	Volume	4.54 (Liters)
Well Depth	17.45 (Ft)	3 Volumes	13.63 (Liters)
Water Column Height	7.85 (Ft)	Volume Purged	15 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1422	5.38	167.0	18.4	3.01	1
1423	5.34	165.0	17.7	22.2	3
1424	5.39	165.7	17.0	30.3	6
1425	5.37	165.8	16.8	29.6	9
1426	5.36	165.9	16.8	47.1	12
1427	5.32	166.0	16.3	45.2	15
1427		Finished Purging			15

SAMPLING DATA

Date:	10-14-08	**Time:**	1435	
Method:	Teflon Bailer	**Sampling Depth:**	9.55'	
pH:	5.38	**Conductivity:**	165.4	(umhos/cm)
Temperature:	17.1 (°C)	**Turbidity:**	63.6	(NTU)

Odor and Physical Appearance of Sample: Cloudy - no odor

Comments:

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

Sampler's Signature: Allen McBride **Date:** 10-14-08

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name:	MSW Landfill	**Project :**	2nd Semi 2008	**Well #:**	MW-1D
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: 10-14-08 1348 **Weather Conditions:** Sunny 75°F

Static Depth (Depth to Water)	10.44 (Ft)	Volume	30.46 (Liters)
Well Depth	63.05 (Ft)	3 Volumes	91.38 (Liters)
Water Column Height	52.61 (Ft)	Volume Purged	48 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1352	6.92	1252	19.0	19.54	1
1355	6.93	1370	15.9	5.48	16
1358	6.88	1344	15.0	>200	32
1404	6.81	1355	15.5	>200	48
1404		Finished Purging			48

SAMPLING DATA

Date:	10-15-08	**Time:**	0753	
Method:	Teflon Bailer	**Sampling Depth:**	53.47'	
pH:	6.83	**Conductivity:**	1109	(umhos/cm)
Temperature:	13.6 (°C)	**Turbidity:**	>200	(NTU)

Odor and Physical Appearance of Sample: Cloudy - no odor

Comments:

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

Sampler's Signature: Allen McBride **Date:** 10-15-08

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name:	MSW Landfill	**Project :** 2nd Semi 2008	**Well #:** MW-2
Contact Person:	Chris Stahl	**Phone #:** (828) 349-2100	

WELL CONDITION DATA

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

Comments:

PURGING DATA

Date/Time: 10-15-08 0807 **Weather Conditions:** Fog 47°F

Static Depth (Depth to Water)	13.96 (Ft)	Volume	3.58 (Liters)
Well Depth	20.15 (Ft)	3 Volumes	10.75 (Liters)
Water Column Height	6.19 (Ft)	Volume Purged	11 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
0811	6.03	553	14.7	>200	1
0813	5.98	584	15.4	>200	3
0814	6.06	586	15.5	>200	5
0815	6.07	607	15.5	>200	7
0817	6.17	558	15.4	>200	9
0820	6.23	541	15.5	>200	11
0820		Finished Purging			11

SAMPLING DATA

Date:	10-15-08	**Time:**	0842
Method:	Teflon Bailer	**Sampling Depth:**	14.26'
pH:	6.08/Dupe 6.12	**Conductivity:** 522/Dupe 518	(umhos/cm)
Temperature: 15.2/Dupe 15.3 (°C)		**Turbidity:** 11.84/Dupe 10.71	(NTU)

Odor and Physical Appearance of Sample: Clear - no odor

Comments:

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

Sampler's Signature: Allen McBride **Date:** 10-15-08

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name:	MSW Landfill	**Project :**	2nd Semi 2008	**Well #:**	MW-3A
Contact Person:	Chris Stahl	**Phone #:**	(828) 349-2100		

WELL CONDITION DATA

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

Comments:

PURGING DATA

Date/Time: 10-15-08 1116 **Weather Conditions:** Sunny 72°F

Static Depth (Depth to Water)	60.79 (Ft)	Volume	3.95 (Liters)
Well Depth	67.62 (Ft)	3 Volumes	11.86 (Liters)
Water Column Height	6.83 (Ft)	Volume Purged	11 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1119	5.55	27.3	18.1	7.02	1
1120	5.47	28.2	16.5	20.0	3
1121	5.42	28.7	16.2	22.7	5
1122	5.41	29.1	16.0	18.42	7
1123	5.43	28.3	16.0	15.96	9
1124	5.43	28.3	15.9	13.91	11
1124		Finished Purging			

SAMPLING DATA

Date:	10-15-08	**Time:**	1128
Method:	Teflon Bailer	**Sampling Depth:**	60.81'
pH:	5.48/Dupe 5.46	**Conductivity:** 28.4/Dupe 28.5	**(umhos/cm)**
Temperature: 16.9/Dupe 16.9 (°C)		**Turbidity:** 10.82/Dupe 10.66	**(NTU)**

Odor and Physical Appearance of Sample: Clear - no odor

Comments:

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

Sampler's Signature: Allen McBride **Date:** 10-15-08

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name:	MSW Landfill	**Project :**	2nd Semi 2008	**Well #:**	MW-5D
Contact Person:	Chris Stahl	**Phone #:**	(828) 349-2100		

WELL CONDITION DATA

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

Comments:

PURGING DATA

Date/Time: 10-15-08 1053 **Weather Conditions:** Sunny 65°F

Static Depth (Depth to Water)	62.80 (Ft)		Volume	4.06 (Liters)
Well Depth	69.82 (Ft)		3 Volumes	12.19 (Liters)
Water Column Height	7.02 (Ft)		Volume Purged	13 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1056	5.60	63.2	19.9	106	1
1057	5.42	61.4	20.0	>200	3
1059	5.50	63	19.9	>200	6
1101	5.54	65.1	20.0	>200	9
1103	5.50	63.7	20.0	>200	12
1104		Finished Purging			13

SAMPLING DATA

Date:	10-15-08	**Time:**	1106	
Method:	Teflon Bailer	**Sampling Depth:**	63.36'	
pH:	5.60	**Conductivity:**	61.3	(umhos/cm)
Temperature:	(°C)	**Turbidity:**	78.8	(NTU)

Odor and Physical Appearance of Sample: Cloudy - no odor

Comments:

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

Sampler's Signature: Allen McBride **Date:** 10-15-08

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name:	MSW Landfill	**Project :**	2nd Semi 2008	**Well #:**	MW-5
Contact Person:	Chris Stahl	**Phone #:**	(828) 349-2100		

WELL CONDITION DATA

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

Comments:

PURGING DATA

Date/Time: 10-15-08 1056 **Weather Conditions:** Sunny 65°F

Static Depth (Depth to Water)	55.08 (Ft)	Volume	(Liters)
Well Depth	55.20 (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: Did not sample

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

Sampler's Signature: Allen McBride **Date:** 10-15-08

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name:	MSW Landfill	**Project :**	2nd Semi 2008	**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: 10-15-08 1002 **Weather Conditions:** Sunny 60°F

Static Depth (Depth to Water)	60.07 (Ft)	Volume	4.35 (Liters)
Well Depth	67.60 (Ft)	3 Volumes	13.07 (Liters)
Water Column Height	7.53 (Ft)	Volume Purged	6 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1006	5.78	117.6	14.7	>200	1
1008	5.64	122.0	14.4	>200	4
1010		Purged Dry			6

SAMPLING DATA

Date:	10-15-08	**Time:**	1030	
Method:	Teflon Bailer	**Sampling Depth:**	62.62'	
pH:	5.53	**Conductivity:**	116.1	(umhos/cm)
Temperature:	15.2 (°C)	**Turbidity:**	44.9	(NTU)

Odor and Physical Appearance of Sample: Cloudy - no odor

Comments:

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

Sampler's Signature: Allen McBride **Date:** 10-15-08

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name:	MSW Landfill	**Project :**	2nd Semi 2008	**Well #:**	MW-14
Contact Person:	Chris Stahl	**Phone #:**	(828) 349-2100		

WELL CONDITION DATA

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

Comments:

PURGING DATA

Date/Time: 10-15-08 1232 **Weather Conditions:** Sunny 75°F

Static Depth (Depth to Water)	35.84 (Ft)	Volume	3.89 (Liters)
Well Depth	42.57 (Ft)	3 Volumes	11.69 (Liters)
Water Column Height	6.73 (Ft)	Volume Purged	5 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1237	5.35	13.10	16.5	>200	1
1240	5.21	12.14	15.3	>200	3
1242	5.25	12.83	14.9	>200	5
1242		Purged Dry			5

SAMPLING DATA

Date:	10-15-08	**Time:**	1255	
Method:	Teflon Bailer	**Sampling Depth:**	38.55'	
pH:	5.43	**Conductivity:**	13.51	(umhos/cm)
Temperature:	15.5 (°C)	**Turbidity:**	>200	(NTU)

Odor and Physical Appearance of Sample: Cloudy - no odor

Comments:

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

Sampler's Signature: Allen McBride **Date:** 10-15-08

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name:	MSW Landfill	**Project :**	2nd Semi 2008	**Well #:**	MW-15
Contact Person:	Chris Stahl	**Phone #:**	(828) 349-2100		

WELL CONDITION DATA

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

Comments:

PURGING DATA

Date/Time: 10-15-08 1315 **Weather Conditions:** Sunny 82°F

Static Depth (Depth to Water)	14.36 (Ft)	Volume	2.09 (Liters)
Well Depth	17.97 (Ft)	3 Volumes	6.27 (Liters)
Water Column Height	3.61 (Ft)	Volume Purged	6 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1318	5.52	15.04	17.3	39.4	1
1319	5.10	16.36	16.6	>200	2
1320	5.07	16.02	16.1	>200	3
1321	5.02	17.41	15.4	>200	4
1322	4.98	18.46	15.5	>200	5
1323	4.98	18.59	15.4	>200	6
1323		Finished Purging			6

SAMPLING DATA

Date:	10-15-08	**Time:**	1334	
Method:	Teflon Bailer	**Sampling Depth:**	15.96'	
pH:	4.98	**Conductivity:**	25.7	(umhos/cm)
Temperature:	17.3 (°C)	**Turbidity:**	>200	(NTU)

Odor and Physical Appearance of Sample: Cloudy - no odor

Comments:

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

Sampler's Signature: Allen McBride **Date:** 10-15-08

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:	MSW Landfill	**Project :**	2nd Semi 2008	**Well #:**	MW-17
Contact Person:	Chris Stahl	**Phone #:**	(828) 349-2100		

WELL CONDITION DATA

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

Comments:

PURGING DATA

Date/Time: 10-15-08 0904 **Weather Conditions:** Fog 47°F

Static Depth (Depth to Water)	73.40 (Ft)	Volume	5.73 (Liters)
Well Depth	83.30 (Ft)	3 Volumes	17.19 (Liters)
Water Column Height	9.90 (Ft)	Volume Purged	18 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
0909	5.60	69.5	13.8	26.7	1
0910	4.96	64.9	14.3	>200	4
0912	4.90	49.2	14.4	>200	8
0914	4.93	53.2	14.4	>200	12
0916	4.93	55.3	14.5	>200	16
0918		Finished Purging			18

SAMPLING DATA

Date:	10-15-08	**Time:**	0926	
Method:	Teflon Bailer	**Sampling Depth:**	76.93'	
pH:	4.86	**Conductivity:**	63.0	(umhos/cm)
Temperature:	14.7 (°C)	**Turbidity:**	101	(NTU)

Odor and Physical Appearance of Sample: Cloudy - no odor

Comments:

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

Sampler's Signature: Allen McBride **Date:** 10-15-08

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:	MSW Landfill	**Project :**	2nd Semi 2008	**Well #:**	MW-18
Contact Person:	Chris Stahl	**Phone #:**	(828) 349-2100		

WELL CONDITION DATA

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

Comments:

PURGING DATA

Date/Time: 10-15-08 0936 **Weather Conditions:** Fog 58°F

Static Depth (Depth to Water)	54.40 (Ft)	Volume	4.46 (Liters)
Well Depth	62.08 (Ft)	3 Volumes	13.34 (Liters)
Water Column Height	7.68 (Ft)	Volume Purged	15 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
0941	5.99	66.8	14.4	16.57	1
0942	5.96	65.8	14.5	121	3
0944	5.98	63.8	14.6	135	6
0946	5.93	62.3	14.6	>200	9
0948	5.93	67.1	14.6	122	12
0950	5.95	70.9	14.5	105	15
0950		Finished Purging			15

SAMPLING DATA

Date:	10-15-08		**Time:**	0955	
Method:	Teflon Bailer		**Sampling Depth:**	58.03'	
pH:	5.93		**Conductivity:**	71.1	(umhos/cm)
Temperature:	15.0	(°C)	**Turbidity:**	127	(NTU)

Odor and Physical Appearance of Sample: Cloudy - no odor

Comments:

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

Sampler's Signature: Allen McBride **Date:** 10-15-08

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:	MSW Landfill	**Project :**	2nd Semi 2008	**Well #:**	MW-19
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: 10-14-08 1658 **Weather Conditions:** Sunny 80°F

Static Depth (Depth to Water)	20.02 (Ft)	Volume	3.34 (Liters)
Well Depth	25.80 (Ft)	3 Volumes	10.03 (Liters)
Water Column Height	5.78 (Ft)	Volume Purged	9 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1701	5.31	37.5	17.2	10.68	1
1702	5.26	37.9	16.0	>200	3
1703	5.33	38.5	15.3	>200	5
1704	5.30	38.0	15.3	>200	7
1705	5.18	37.4	15.1	>200	9
1705		Finished Purging			9

SAMPLING DATA

Date:	10-14-08	**Time:**	1720
Method:	Teflon Bailer	**Sampling Depth:**	20.04'
pH:	5.34/Dupe 5.29	**Conductivity:** 38.8/Dupe 37.8	(umhos/cm)
Temperature: 16.8/Dupe 16.7 (°C)		**Turbidity:** >200/Dupe >200	(NTU)

Odor and Physical Appearance of Sample: Cloudy - no odor

Comments:

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

Sampler's Signature: Allen McBride **Date:** 10-14-08

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:	MSW Landfill	**Project :**	2nd Semi 2008	**Well #:**	MW-19A
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: 10-14-08 1655 **Weather Conditions:** Sunny 80°F

Static Depth (Depth to Water)	19.47 (Ft)	Volume	21.78 (Liters)
Well Depth	57.09 (Ft)	3 Volumes	65.34 (Liters)
Water Column Height	37.62 (Ft)	Volume Purged	24 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
17.07	6.22	65.1	16.4	12.59	1
1711	6.42	65.7	15.7	13.06	12
1716	6.43	66.0	15.5	186	24
1716		Purged Dry			24

SAMPLING DATA

Date:	10-15-08	**Time:**	0735	
Method:	Teflon Bailer	**Sampling Depth:**	38.25'	
pH:	6.75	**Conductivity:**	63.9	(umhos/cm)
Temperature:	13.8 (°C)	**Turbidity:**	24.9	(NTU)

Odor and Physical Appearance of Sample: Slightly cloudy - no odor

Comments:

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

Sampler's Signature: Allen McBride **Date:** 10-15-08

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name:	MSW Landfill	**Project :**	2nd Semi 2008	**Well #:**	MW-20
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: 10-14-08 1626 **Weather Conditions:** Sunny 80°F

Static Depth (Depth to Water)	13.20 (Ft)	Volume	5.69 (Liters)
Well Depth	23.03 (Ft)	3 Volumes	17.07 (Liters)
Water Column Height	9.83 (Ft)	Volume Purged	15 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1630	4.98	45.8	19.1	14.40	1
1631	4.87	47.8	17.6	67.8	3
1632	4.92	48.1	16.9	119	6
1633	4.91	48.8	16.7	85.0	9
1634	4.89	48.7	16.7	80.1	12
1635	4.86	48.5	16.6	104	15
1635		Finished Purging			15

SAMPLING DATA

Date:	10-14-08	**Time:**	1640	
Method:	Teflon Bailer	**Sampling Depth:**	13.45'	
pH:	4.81	**Conductivity:**	48.5	(umhos/cm)
Temperature:	17.0 (°C)	**Turbidity:**	73.2	(NTU)

Odor and Physical Appearance of Sample: Cloudy - no odor

Comments:

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

Sampler's Signature: Allen McBride **Date:** 10-14-08

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name:	MSW Landfill	**Project :**	2nd Semi 2008	**Well #:**	MW-21
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: 10-14-08 1601 **Weather Conditions:** Sunny 80°F

Static Depth (Depth to Water)	18.23 (Ft)	Volume	5.03 (Liters)
Well Depth	26.93 (Ft)	3 Volumes	15.11 (Liters)
Water Column Height	8.70 (Ft)	Volume Purged	15 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1604	5.69	46.2	16.7	13.72	1
1605	5.44	45.4	16.0	64.4	3
1606	5.33	44.2	15.4	30.4	6
1607	5.36	42.9	15.2	24.5	9
1608	5.31	43.3	14.9	32.2	12
1609	5.34	42.4	14.9	42.2	15
1609		Finished Purging			15

SAMPLING DATA

Date:	10-14-08	**Time:**	1614	
Method:	Teflon Bailer	**Sampling Depth:**	21.17'	
pH:	5.21	**Conductivity:**	43.4	(umhos/cm)
Temperature:	15.6 (°C)	**Turbidity:**	35.8	(NTU)

Odor and Physical Appearance of Sample: Cloudy - no odor

Comments:

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

Sampler's Signature: Allen McBride **Date:** 10-14-08

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name:	MSW Landfill	**Project :**	2nd Semi 2008	**Well #:**	MW-22
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: 10-14-08 1535 **Weather Conditions:** Sunny 80°F

Static Depth (Depth to Water)	18.50 (Ft)	Volume	3.82 (Liters)
Well Depth	25.10 (Ft)	3 Volumes	11.46 (Liters)
Water Column Height	6.60 (Ft)	Volume Purged	12 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1538	6.00	131.5	15.8	120	1
1540	5.68	134.3	15.3	>200	3
1541	5.64	134.8	15.0	>200	5
1542	5.66	137.7	14.8	>200	7
1543	5.62	136.7	14.7	>200	9
1544	5.63	135.5	14.7	>200	11
1544		Finished Purging			12

SAMPLING DATA

Date:	10-14-08	**Time:**	1548	
Method:	Teflon Bailer	**Sampling Depth:**	18.80'	
pH:	5.58	**Conductivity:**	141.5	(umhos/cm)
Temperature:	15.3 (°C)	**Turbidity:**	>200	(NTU)

Odor and Physical Appearance of Sample: Muddy - no odor

Comments:

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

Sampler's Signature: Allen McBride **Date:** 10-14-08

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:	MSW Landfill	**Project :**	2nd Semi 2008	**Well #:**	MW-22A
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: 10-14-08 1517 **Weather Conditions:** Sunny 80°F

Static Depth (Depth to Water)	15.08 (Ft)	Volume	15.76 (Liters)
Well Depth	42.30 (Ft)	3 Volumes	47.28 (Liters)
Water Column Height	27.22 (Ft)	Volume Purged	29 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1521	6.65	416	17.3	39.1	1
1524	7.02	417	15.2	39.2	8
1527	7.16	386	14.8	30.9	16
1530	7.34	259	14.7	40.5	24
1533		Purged Dry			29

SAMPLING DATA

Date:	10-14-08	**Time:**	1553	
Method:	Teflon Bailer	**Sampling Depth:**	29.85'	
pH:	6.54	**Conductivity:**	227	(umhos/cm)
Temperature:	15.3 (°C)	**Turbidity:**	25.6	(NTU)
Odor and Physical Appearance of Sample:		Cloudy - no odor		

Comments:

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

Sampler's Signature: Allen McBride **Date:** 10-14-08

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name:	MSW Landfill	**Project :**	2nd Semi 2008	**Well #:**	MW-23
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: 10-14-08 1442 **Weather Conditions:** Sunny 80°F

Static Depth (Depth to Water)	5.88 (Ft)	Volume	14.51 (Liters)
Well Depth	30.95 (Ft)	3 Volumes	43.54 (Liters)
Water Column Height	25.07 (Ft)	Volume Purged	40 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1446	6.01	276	19.0	17.70	1
1448	6.01	274	16.0	40.0	8
1450	5.92	273	14.5	156	16
1452	5.90	275	14.2	177	24
1454	5.92	274	14.2	119	32
1457	5.92	274	14.3	162	40
1457		Finished Purging			40

SAMPLING DATA

Date:	10-14-08	**Time:**	1502	
Method:	Teflon Bailer	**Sampling Depth:**	14.40'	
pH:	5.91	**Conductivity:**	275	(umhos/cm)
Temperature:	14.7 (°C)	**Turbidity:**	132	(NTU)

Odor and Physical Appearance of Sample: Cloudy - no odor

Comments:

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

Sampler's Signature: Allen McBride **Date:** 10-14-08

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

Surface Water Sampling Log

REI Consultants, Inc.

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

Outlet:	SW-3			
Date:	10-15-08	Time:	1345	
pH:	6.26	Conductivity:	52.5	*umhos/cm*
Flow:	NA	Temperature:	20.5	^{o}C
Sampled Odor and Physical Appearance:	Clear - no odor			
Comments:	Turbidity 9.15 NTU			

Outlet:	SW-1			
Date:	10-15-08	Time:	0835	
pH:	6.68	Conductivity:	74.8	*umhos/cm*
Flow:	NA	Temperature:	16.8	^{o}C
Sampled Odor and Physical Appearance:	Clear - no odor			
Comments:	Turbidity 4.59 NTU			

Outlet:	SW-4			
Date:	10-15-08	Time:	1300	
pH:	6.36	Conductivity:	61.7	*umhos/cm*
Flow:	NA	Temperature:	18.7	^{o}C
Sampled Odor and Physical Appearance:	Clear - no odor			
Comments:	Turbidity 4.86 NTU			

Surface Water Sampling Log

REI Consultants, Inc.

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

Outlet:	SW-2			
Date:	10-15-08	Time:	0800	
pH:	6.88	Conductivity:	63.8	*umhos/cm*
Flow:	NA	Temperature:	15.6	*°C*
Sampled Odor and Physical Appearance:				
Comments:	Turbidity 5.10 NTU			

Outlet:	Leachate			
Date:	10-15-08	Time:	1400	
pH:	8.51	Conductivity:	7180	*umhos/cm*
Flow:	NA	Temperature:	20.7	*°C*
Sampled Odor and Physical Appearance:	Rusty - slight odor			
Comments:	Turbidity 83.0 NTU			

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

Appendix C

Laboratory Reports and Chain-of-Custody

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

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

November 07, 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: MSW LANDFILL

Order No.: 0810C13

Dear Mr. Chris Stahl:

REI Consultants, Inc. received 26 sample(s) on 10/16/2008 for the analyses presented in the following report.

Please note two changes you may see on your report.

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

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

Sincerely,

Beth Johnson

Project Manager

ACCREDITED IN ACCORDANCE WITH nelac

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

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

Report Narrative

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

WO#: **0810C13**
Date: **11/7/2008**

CLIENT: MACON COUNTY SOLID WASTE MAN
Project: MSW LANDFILL

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

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

All sample results are reported on an "as-received" wet weight 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.

If you have any questions please contact the project manager whose name is listed above.

REI Consultants, Inc. Analytical Results

Date: *07-Nov-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C13 **Lab ID** 0810C13-01
Client Sample ID:	MW-1A	**DateReceived:**	10/16/2008
Project:	MSW LANDFILL	**Collection Date:**	10/14/2008 2:30:00 PM
Site ID:	MACON CO NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DL**
Antimony	ND	mg/L		0.00040	0.0060	11/5/2008 3:23:19 PM
Arsenic	ND	mg/L		0.00200	0.0100	11/5/2008 3:23:19 PM
Barium	0.0666	mg/L	J	0.00100	0.100	11/5/2008 3:23:19 PM
Beryllium	ND	mg/L		0.00020	0.0010	11/5/2008 3:23:19 PM
Cadmium	0.0002	mg/L	J	0.00020	0.0010	11/5/2008 3:23:19 PM
Chromium	ND	mg/L		0.00100	0.0100	11/5/2008 3:23:19 PM
Cobalt	0.0215	mg/L		0.00100	0.0100	11/5/2008 3:23:19 PM
Copper	0.0022	mg/L	J	0.00100	0.0100	11/5/2008 3:23:19 PM
Lead	0.0003	mg/L	J	0.00020	0.0100	11/5/2008 3:23:19 PM
Nickel	0.0034	mg/L	J	0.00200	0.0500	11/5/2008 3:23:19 PM
Selenium	ND	mg/L		0.00300	0.0100	11/5/2008 3:23:19 PM
Silver	ND	mg/L		0.00100	0.0100	11/5/2008 3:23:19 PM
Thallium	ND	mg/L		0.00020	0.0050	11/5/2008 3:23:19 PM
Vanadium	0.0013	mg/L	J	0.00100	0.0200	11/5/2008 3:23:19 PM
Zinc	0.0114	mg/L		0.00300	0.0100	11/5/2008 3:23:19 PM

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

VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	20.0	10/17/2008 12:45:00 PM
Acrylonitrile	ND	µg/L		4.24	10.0	10/17/2008 12:45:00 PM
Benzene	1.4	µg/L		0.13	1.0	10/17/2008 12:45:00 PM
Bromochloromethane	ND	µg/L		0.35	1.0	10/17/2008 12:45:00 PM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/17/2008 12:45:00 PM
Bromoform	ND	µg/L		0.40	1.0	10/17/2008 12:45:00 PM
Bromomethane	ND	µg/L		0.50	1.0	10/17/2008 12:45:00 PM
2-Butanone	ND	µg/L		4.68	10.0	10/17/2008 12:45:00 PM
Carbon disulfide	2.2	µg/L	J	1.27	5.0	10/17/2008 12:45:00 PM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/17/2008 12:45:00 PM
Chlorobenzene	4.9	µg/L		0.18	1.0	10/17/2008 12:45:00 PM
Chloroethane	1.8	µg/L		0.94	1.0	10/17/2008 12:45:00 PM
Chloroform	ND	µg/L		0.25	1.0	10/17/2008 12:45:00 PM
Chloromethane	ND	µg/L		0.33	1.0	10/17/2008 12:45:00 PM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/17/2008 12:45:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	6.0	10/17/2008 12:45:00 PM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/17/2008 12:45:00 PM
Dibromomethane	ND	µg/L		0.29	1.0	10/17/2008 12:45:00 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: *07-Nov-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C13 **Lab ID** 0810C13-01
Client Sample ID:	MW-1A	**DateReceived:**	10/16/2008
Project:	MSW LANDFILL	**Collection Date:**	10/14/2008 2:30:00 PM
Site ID:	MACON CO NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
1,2-Dichlorobenzene	ND	µg/L		0.45	1.0	10/17/2008 12:45:00 PM
1,4-Dichlorobenzene	6.3	µg/L		0.29	1.0	10/17/2008 12:45:00 PM
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	10.0	10/17/2008 12:45:00 PM
1,1-Dichloroethane	3.8	µg/L		0.38	1.0	10/17/2008 12:45:00 PM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/17/2008 12:45:00 PM
1,1-Dichloroethene	ND	µg/L		0.33	1.0	10/17/2008 12:45:00 PM
cis-1,2-Dichloroethene	1.1	µg/L		0.23	1.0	10/17/2008 12:45:00 PM
trans-1,2-Dichloroethene	ND	µg/L		0.39	1.0	10/17/2008 12:45:00 PM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/17/2008 12:45:00 PM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/17/2008 12:45:00 PM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/17/2008 12:45:00 PM
Ethylbenzene	ND	µg/L		0.18	1.0	10/17/2008 12:45:00 PM
2-Hexanone	ND	µg/L		4.11	10.0	10/17/2008 12:45:00 PM
Iodomethane	ND	µg/L		3.44	10.0	10/17/2008 12:45:00 PM
Methylene chloride	ND	µg/L		0.54	1.0	10/17/2008 12:45:00 PM
4-Methyl-2-pentanone	ND	µg/L		4.40	10.0	10/17/2008 12:45:00 PM
Styrene	ND	µg/L		0.24	1.0	10/17/2008 12:45:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	1.0	10/17/2008 12:45:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/17/2008 12:45:00 PM
Tetrachloroethene	ND	µg/L		0.20	1.0	10/17/2008 12:45:00 PM
Toluene	ND	µg/L		0.17	1.0	10/17/2008 12:45:00 PM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/17/2008 12:45:00 PM
1,1,2-Trichloroethane	ND	µg/L		0.49	1.0	10/17/2008 12:45:00 PM
Trichloroethene	ND	µg/L		0.30	1.0	10/17/2008 12:45:00 PM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/17/2008 12:45:00 PM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/17/2008 12:45:00 PM
Vinyl acetate	ND	µg/L		4.87	10.0	10/17/2008 12:45:00 PM
Vinyl chloride	1.8	µg/L		0.22	1.0	10/17/2008 12:45:00 PM
o-Xylene	ND	µg/L		0.19	1.0	10/17/2008 12:45:00 PM
m,p-Xylene	ND	µg/L		0.29	2.0	10/17/2008 12:45:00 PM
Surr: 1,2-Dichloroethane-d4	104	%REC			80-120	10/17/2008 12:45:00 PM
Surr: 4-Bromofluorobenzene	99.1	%REC			86-115	10/17/2008 12:45:00 PM
Surr: Dibromofluoromethane	106	%REC			80-120	10/17/2008 12:45:00 PM
Surr: Toluene-d8	98.6	%REC			88-110	10/17/2008 12:45:00 PM
TOTAL SUSPENDED SOLIDS			**SM2540 D**			Analyst: **GV**
Total Suspended Solids	14	mg/L		1.0	1	10/17/2008 10:00:00 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: *07-Nov-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C13 **Lab ID** 0810C13-02
Client Sample ID:	MW-1B	**DateReceived:**	10/16/2008
Project:	MSW LANDFILL	**Collection Date:**	10/14/2008 2:35:00 PM
Site ID:	MACON CO NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DL**
Antimony	ND	mg/L		0.00040	0.0060	11/5/2008 3:51:58 PM
Arsenic	ND	mg/L		0.00200	0.0100	11/5/2008 3:51:58 PM
Barium	0.0809	mg/L	J	0.00100	0.100	11/5/2008 3:51:58 PM
Beryllium	0.0002	mg/L	J	0.00020	0.0010	11/5/2008 3:51:58 PM
Cadmium	0.0005	mg/L	J	0.00020	0.0010	11/5/2008 3:51:58 PM
Chromium	0.0035	mg/L	J	0.00100	0.0100	11/5/2008 3:51:58 PM
Cobalt	0.0147	mg/L		0.00100	0.0100	11/5/2008 3:51:58 PM
Copper	0.0032	mg/L	J	0.00100	0.0100	11/5/2008 3:51:58 PM
Lead	0.0019	mg/L	J	0.00020	0.0100	11/5/2008 3:51:58 PM
Nickel	ND	mg/L		0.00200	0.0500	11/5/2008 3:51:58 PM
Selenium	ND	mg/L		0.00300	0.0100	11/5/2008 3:51:58 PM
Silver	ND	mg/L		0.00100	0.0100	11/5/2008 3:51:58 PM
Thallium	ND	mg/L		0.00020	0.0050	11/5/2008 3:51:58 PM
Vanadium	0.0043	mg/L	J	0.00100	0.0200	11/5/2008 3:51:58 PM
Zinc	0.0088	mg/L	J	0.00300	0.0100	11/5/2008 3:51:58 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	20.0	10/17/2008 1:17:00 PM
Acrylonitrile	ND	µg/L		4.24	10.0	10/17/2008 1:17:00 PM
Benzene	1.5	µg/L		0.13	1.0	10/17/2008 1:17:00 PM
Bromochloromethane	ND	µg/L		0.35	1.0	10/17/2008 1:17:00 PM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/17/2008 1:17:00 PM
Bromoform	ND	µg/L		0.40	1.0	10/17/2008 1:17:00 PM
Bromomethane	ND	µg/L		0.50	1.0	10/17/2008 1:17:00 PM
2-Butanone	ND	µg/L		4.68	10.0	10/17/2008 1:17:00 PM
Carbon disulfide	ND	µg/L		1.27	5.0	10/17/2008 1:17:00 PM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/17/2008 1:17:00 PM
Chlorobenzene	3.9	µg/L		0.18	1.0	10/17/2008 1:17:00 PM
Chloroethane	1.3	µg/L		0.94	1.0	10/17/2008 1:17:00 PM
Chloroform	ND	µg/L		0.25	1.0	10/17/2008 1:17:00 PM
Chloromethane	ND	µg/L		0.33	1.0	10/17/2008 1:17:00 PM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/17/2008 1:17:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	6.0	10/17/2008 1:17:00 PM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/17/2008 1:17:00 PM
Dibromomethane	ND	µg/L		0.29	1.0	10/17/2008 1:17:00 PM
1,2-Dichlorobenzene	ND	µg/L		0.45	1.0	10/17/2008 1:17:00 PM
1,4-Dichlorobenzene	5.0	µg/L		0.29	1.0	10/17/2008 1:17:00 PM

Key:

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

REI Consultants, Inc. Analytical Results

Date: *07-Nov-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C13 **Lab ID** 0810C13-02
Client Sample ID:	MW-1B	**DateReceived:**	10/16/2008
Project:	MSW LANDFILL	**Collection Date:**	10/14/2008 2:35:00 PM
Site ID:	MACON CO NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	10.0	10/17/2008 1:17:00 PM
1,1-Dichloroethane	3.2	µg/L		0.38	1.0	10/17/2008 1:17:00 PM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/17/2008 1:17:00 PM
1,1-Dichloroethene	ND	µg/L		0.33	1.0	10/17/2008 1:17:00 PM
cis-1,2-Dichloroethene	0.8	µg/L	J	0.23	1.0	10/17/2008 1:17:00 PM
trans-1,2-Dichloroethene	ND	µg/L		0.39	1.0	10/17/2008 1:17:00 PM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/17/2008 1:17:00 PM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/17/2008 1:17:00 PM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/17/2008 1:17:00 PM
Ethylbenzene	ND	µg/L		0.18	1.0	10/17/2008 1:17:00 PM
2-Hexanone	ND	µg/L		4.11	10.0	10/17/2008 1:17:00 PM
Iodomethane	ND	µg/L		3.44	10.0	10/17/2008 1:17:00 PM
Methylene chloride	ND	µg/L		0.54	1.0	10/17/2008 1:17:00 PM
4-Methyl-2-pentanone	ND	µg/L		4.40	10.0	10/17/2008 1:17:00 PM
Styrene	ND	µg/L		0.24	1.0	10/17/2008 1:17:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	1.0	10/17/2008 1:17:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/17/2008 1:17:00 PM
Tetrachloroethene	ND	µg/L		0.20	1.0	10/17/2008 1:17:00 PM
Toluene	ND	µg/L		0.17	1.0	10/17/2008 1:17:00 PM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/17/2008 1:17:00 PM
1,1,2-Trichloroethane	ND	µg/L		0.49	1.0	10/17/2008 1:17:00 PM
Trichloroethene	ND	µg/L		0.30	1.0	10/17/2008 1:17:00 PM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/17/2008 1:17:00 PM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/17/2008 1:17:00 PM
Vinyl acetate	ND	µg/L		4.87	10.0	10/17/2008 1:17:00 PM
Vinyl chloride	1.6	µg/L		0.22	1.0	10/17/2008 1:17:00 PM
o-Xylene	ND	µg/L		0.19	1.0	10/17/2008 1:17:00 PM
m,p-Xylene	ND	µg/L		0.29	2.0	10/17/2008 1:17:00 PM
Surr: 1,2-Dichloroethane-d4	105	%REC			80-120	10/17/2008 1:17:00 PM
Surr: 4-Bromofluorobenzene	99.8	%REC			86-115	10/17/2008 1:17:00 PM
Surr: Dibromofluoromethane	105	%REC			80-120	10/17/2008 1:17:00 PM
Surr: Toluene-d8	98.3	%REC			88-110	10/17/2008 1:17:00 PM
TOTAL SUSPENDED SOLIDS			**SM2540 D**			Analyst: **GV**
Total Suspended Solids	39	mg/L		1.0	1	10/17/2008 10:00:00 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: *07-Nov-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C13 **Lab ID** 0810C13-03
Client Sample ID:	MW-1D	**DateReceived:**	10/16/2008
Project:	MSW LANDFILL	**Collection Date:**	10/15/2008 7:53:00 AM
Site ID:	MACON CO NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DL**
Antimony	ND	mg/L		0.00040	0.0060	11/5/2008 3:57:41 PM
Arsenic	0.0031	mg/L	J	0.00200	0.0100	11/5/2008 3:57:41 PM
Barium	1.72	mg/L		0.00100	0.100	11/5/2008 3:57:41 PM
Beryllium	0.0013	mg/L		0.00020	0.0010	11/5/2008 3:57:41 PM
Cadmium	0.0003	mg/L	J	0.00020	0.0010	11/5/2008 3:57:41 PM
Chromium	0.125	mg/L		0.00100	0.0100	11/5/2008 3:57:41 PM
Cobalt	0.0734	mg/L		0.00100	0.0100	11/5/2008 3:57:41 PM
Copper	0.0642	mg/L		0.00100	0.0100	11/5/2008 3:57:41 PM
Lead	0.0227	mg/L		0.00020	0.0100	11/5/2008 3:57:41 PM
Nickel	0.0821	mg/L		0.00200	0.0500	11/5/2008 3:57:41 PM
Selenium	0.0087	mg/L	J	0.00300	0.0100	11/5/2008 3:57:41 PM
Silver	ND	mg/L		0.00100	0.0100	11/5/2008 3:57:41 PM
Thallium	0.0010	mg/L	J	0.00020	0.0050	11/5/2008 3:57:41 PM
Vanadium	0.284	mg/L		0.00100	0.0200	11/5/2008 3:57:41 PM
Zinc	0.216	mg/L		0.00300	0.0100	11/5/2008 3:57:41 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	20.0	10/17/2008 1:50:00 PM
Acrylonitrile	ND	µg/L		4.24	10.0	10/17/2008 1:50:00 PM
Benzene	1.5	µg/L		0.13	1.0	10/17/2008 1:50:00 PM
Bromochloromethane	ND	µg/L		0.35	1.0	10/17/2008 1:50:00 PM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/17/2008 1:50:00 PM
Bromoform	ND	µg/L		0.40	1.0	10/17/2008 1:50:00 PM
Bromomethane	ND	µg/L		0.50	1.0	10/17/2008 1:50:00 PM
2-Butanone	ND	µg/L		4.68	10.0	10/17/2008 1:50:00 PM
Carbon disulfide	1.5	µg/L	J	1.27	5.0	10/17/2008 1:50:00 PM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/17/2008 1:50:00 PM
Chlorobenzene	2.3	µg/L		0.18	1.0	10/17/2008 1:50:00 PM
Chloroethane	ND	µg/L		0.94	1.0	10/17/2008 1:50:00 PM
Chloroform	ND	µg/L		0.25	1.0	10/17/2008 1:50:00 PM
Chloromethane	ND	µg/L		0.33	1.0	10/17/2008 1:50:00 PM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/17/2008 1:50:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	6.0	10/17/2008 1:50:00 PM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/17/2008 1:50:00 PM
Dibromomethane	ND	µg/L		0.29	1.0	10/17/2008 1:50:00 PM
1,2-Dichlorobenzene	ND	µg/L		0.45	1.0	10/17/2008 1:50:00 PM
1,4-Dichlorobenzene	2.2	µg/L		0.29	1.0	10/17/2008 1:50:00 PM

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

REI Consultants, Inc. Analytical Results

Date: *07-Nov-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C13 **Lab ID** 0810C13-03
Client Sample ID:	MW-1D	**DateReceived:**	10/16/2008
Project:	MSW LANDFILL	**Collection Date:**	10/15/2008 7:53:00 AM
Site ID:	MACON CO NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	10.0	10/17/2008 1:50:00 PM
1,1-Dichloroethane	3.2	µg/L		0.38	1.0	10/17/2008 1:50:00 PM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/17/2008 1:50:00 PM
1,1-Dichloroethene	ND	µg/L		0.33	1.0	10/17/2008 1:50:00 PM
cis-1,2-Dichloroethene	0.6	µg/L	J	0.23	1.0	10/17/2008 1:50:00 PM
trans-1,2-Dichloroethene	ND	µg/L		0.39	1.0	10/17/2008 1:50:00 PM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/17/2008 1:50:00 PM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/17/2008 1:50:00 PM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/17/2008 1:50:00 PM
Ethylbenzene	ND	µg/L		0.18	1.0	10/17/2008 1:50:00 PM
2-Hexanone	ND	µg/L		4.11	10.0	10/17/2008 1:50:00 PM
Iodomethane	ND	µg/L		3.44	10.0	10/17/2008 1:50:00 PM
Methylene chloride	ND	µg/L		0.54	1.0	10/17/2008 1:50:00 PM
4-Methyl-2-pentanone	ND	µg/L		4.40	10.0	10/17/2008 1:50:00 PM
Styrene	ND	µg/L		0.24	1.0	10/17/2008 1:50:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	1.0	10/17/2008 1:50:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/17/2008 1:50:00 PM
Tetrachloroethene	ND	µg/L		0.20	1.0	10/17/2008 1:50:00 PM
Toluene	ND	µg/L		0.17	1.0	10/17/2008 1:50:00 PM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/17/2008 1:50:00 PM
1,1,2-Trichloroethane	ND	µg/L		0.49	1.0	10/17/2008 1:50:00 PM
Trichloroethene	ND	µg/L		0.30	1.0	10/17/2008 1:50:00 PM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/17/2008 1:50:00 PM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/17/2008 1:50:00 PM
Vinyl acetate	ND	µg/L		4.87	10.0	10/17/2008 1:50:00 PM
Vinyl chloride	ND	µg/L		0.22	1.0	10/17/2008 1:50:00 PM
o-Xylene	ND	µg/L		0.19	1.0	10/17/2008 1:50:00 PM
m,p-Xylene	ND	µg/L		0.29	2.0	10/17/2008 1:50:00 PM
Surr: 1,2-Dichloroethane-d4	105	%REC			80-120	10/17/2008 1:50:00 PM
Surr: 4-Bromofluorobenzene	103	%REC			86-115	10/17/2008 1:50:00 PM
Surr: Dibromofluoromethane	107	%REC			80-120	10/17/2008 1:50:00 PM
Surr: Toluene-d8	97.7	%REC			88-110	10/17/2008 1:50:00 PM
TOTAL SUSPENDED SOLIDS			**SM2540 D**			Analyst: **GV**
Total Suspended Solids	469	mg/L		1.0	1	10/17/2008 10:00:00 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: *07-Nov-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C13 **Lab ID** 0810C13-04
Client Sample ID:	MW-2	**DateReceived:**	10/16/2008
Project:	MSW LANDFILL	**Collection Date:**	10/15/2008 8:42:00 AM
Site ID:	MACON CO NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DL**
Antimony	ND	mg/L		0.00040	0.0060	11/5/2008 4:03:25 PM
Arsenic	0.0076	mg/L	J	0.00200	0.0100	11/5/2008 4:03:25 PM
Barium	0.347	mg/L		0.00100	0.100	11/5/2008 4:03:25 PM
Beryllium	0.0004	mg/L	J	0.00020	0.0010	11/5/2008 4:03:25 PM
Cadmium	ND	mg/L		0.00020	0.0010	11/5/2008 4:03:25 PM
Chromium	0.0058	mg/L	J	0.00100	0.0100	11/5/2008 4:03:25 PM
Cobalt	0.0461	mg/L		0.00100	0.0100	11/5/2008 4:03:25 PM
Copper	0.0068	mg/L	J	0.00100	0.0100	11/5/2008 4:03:25 PM
Lead	0.0058	mg/L	J	0.00020	0.0100	11/5/2008 4:03:25 PM
Nickel	0.0067	mg/L	J	0.00200	0.0500	11/5/2008 4:03:25 PM
Selenium	ND	mg/L		0.00300	0.0100	11/5/2008 4:03:25 PM
Silver	ND	mg/L		0.00100	0.0100	11/5/2008 4:03:25 PM
Thallium	ND	mg/L		0.00020	0.0050	11/5/2008 4:03:25 PM
Vanadium	0.0126	mg/L	J	0.00100	0.0200	11/5/2008 4:03:25 PM
Zinc	0.0263	mg/L		0.00300	0.0100	11/5/2008 4:03:25 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	20.0	10/17/2008 2:23:00 PM
Acrylonitrile	ND	µg/L		4.24	10.0	10/17/2008 2:23:00 PM
Benzene	0.2	µg/L	J	0.13	1.0	10/17/2008 2:23:00 PM
Bromochloromethane	ND	µg/L		0.35	1.0	10/17/2008 2:23:00 PM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/17/2008 2:23:00 PM
Bromoform	ND	µg/L		0.40	1.0	10/17/2008 2:23:00 PM
Bromomethane	ND	µg/L		0.50	1.0	10/17/2008 2:23:00 PM
2-Butanone	ND	µg/L		4.68	10.0	10/17/2008 2:23:00 PM
Carbon disulfide	ND	µg/L		1.27	5.0	10/17/2008 2:23:00 PM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/17/2008 2:23:00 PM
Chlorobenzene	ND	µg/L		0.18	1.0	10/17/2008 2:23:00 PM
Chloroethane	ND	µg/L		0.94	1.0	10/17/2008 2:23:00 PM
Chloroform	ND	µg/L		0.25	1.0	10/17/2008 2:23:00 PM
Chloromethane	ND	µg/L		0.33	1.0	10/17/2008 2:23:00 PM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/17/2008 2:23:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	6.0	10/17/2008 2:23:00 PM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/17/2008 2:23:00 PM
Dibromomethane	ND	µg/L		0.29	1.0	10/17/2008 2:23:00 PM
1,2-Dichlorobenzene	ND	µg/L		0.45	1.0	10/17/2008 2:23:00 PM
1,4-Dichlorobenzene	ND	µg/L		0.29	1.0	10/17/2008 2:23:00 PM

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

REI Consultants, Inc. Analytical Results

Date: *07-Nov-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C13 **Lab ID** 0810C13-04
Client Sample ID:	MW-2	**DateReceived:**	10/16/2008
Project:	MSW LANDFILL	**Collection Date:**	10/15/2008 8:42:00 AM
Site ID:	MACON CO NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	10.0	10/17/2008 2:23:00 PM
1,1-Dichloroethane	ND	µg/L		0.38	1.0	10/17/2008 2:23:00 PM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/17/2008 2:23:00 PM
1,1-Dichloroethene	ND	µg/L		0.33	1.0	10/17/2008 2:23:00 PM
cis-1,2-Dichloroethene	0.4	µg/L	J	0.23	1.0	10/17/2008 2:23:00 PM
trans-1,2-Dichloroethene	ND	µg/L		0.39	1.0	10/17/2008 2:23:00 PM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/17/2008 2:23:00 PM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/17/2008 2:23:00 PM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/17/2008 2:23:00 PM
Ethylbenzene	ND	µg/L		0.18	1.0	10/17/2008 2:23:00 PM
2-Hexanone	ND	µg/L		4.11	10.0	10/17/2008 2:23:00 PM
Iodomethane	ND	µg/L		3.44	10.0	10/17/2008 2:23:00 PM
Methylene chloride	ND	µg/L		0.54	1.0	10/17/2008 2:23:00 PM
4-Methyl-2-pentanone	ND	µg/L		4.40	10.0	10/17/2008 2:23:00 PM
Styrene	ND	µg/L		0.24	1.0	10/17/2008 2:23:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	1.0	10/17/2008 2:23:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/17/2008 2:23:00 PM
Tetrachloroethene	ND	µg/L		0.20	1.0	10/17/2008 2:23:00 PM
Toluene	ND	µg/L		0.17	1.0	10/17/2008 2:23:00 PM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/17/2008 2:23:00 PM
1,1,2-Trichloroethane	ND	µg/L		0.49	1.0	10/17/2008 2:23:00 PM
Trichloroethene	ND	µg/L		0.30	1.0	10/17/2008 2:23:00 PM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/17/2008 2:23:00 PM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/17/2008 2:23:00 PM
Vinyl acetate	ND	µg/L		4.87	10.0	10/17/2008 2:23:00 PM
Vinyl chloride	ND	µg/L		0.22	1.0	10/17/2008 2:23:00 PM
o-Xylene	ND	µg/L		0.19	1.0	10/17/2008 2:23:00 PM
m,p-Xylene	ND	µg/L		0.29	2.0	10/17/2008 2:23:00 PM
Surr: 1,2-Dichloroethane-d4	105	%REC			80-120	10/17/2008 2:23:00 PM
Surr: 4-Bromofluorobenzene	98.7	%REC			86-115	10/17/2008 2:23:00 PM
Surr: Dibromofluoromethane	107	%REC			80-120	10/17/2008 2:23:00 PM
Surr: Toluene-d8	97.6	%REC			88-110	10/17/2008 2:23:00 PM
TOTAL SUSPENDED SOLIDS			**SM2540 D**			Analyst: **GV**
Total Suspended Solids	106	mg/L		1.0	1	10/17/2008 10:00:00 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: *07-Nov-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C13 **Lab ID** 0810C13-05
Client Sample ID:	MW-3A	**DateReceived:**	10/16/2008
Project:	MSW LANDFILL	**Collection Date:**	10/15/2008 11:28:00 AM
Site ID:	MACON CO NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DL**
Antimony	ND	mg/L		0.00040	0.0060	11/5/2008 4:09:09 PM
Arsenic	ND	mg/L		0.00200	0.0100	11/5/2008 4:09:09 PM
Barium	0.0517	mg/L	J	0.00100	0.100	11/5/2008 4:09:09 PM
Beryllium	ND	mg/L		0.00020	0.0010	11/5/2008 4:09:09 PM
Cadmium	ND	mg/L		0.00020	0.0010	11/5/2008 4:09:09 PM
Chromium	0.0010	mg/L	J	0.00100	0.0100	11/5/2008 4:09:09 PM
Cobalt	0.0012	mg/L	J	0.00100	0.0100	11/5/2008 4:09:09 PM
Copper	ND	mg/L		0.00100	0.0100	11/5/2008 4:09:09 PM
Lead	ND	mg/L		0.00020	0.0100	11/5/2008 4:09:09 PM
Nickel	ND	mg/L		0.00200	0.0500	11/5/2008 4:09:09 PM
Selenium	ND	mg/L		0.00300	0.0100	11/5/2008 4:09:09 PM
Silver	ND	mg/L		0.00100	0.0100	11/5/2008 4:09:09 PM
Thallium	ND	mg/L		0.00020	0.0050	11/5/2008 4:09:09 PM
Vanadium	ND	mg/L		0.00100	0.0200	11/5/2008 4:09:09 PM
Zinc	0.0049	mg/L	J	0.00300	0.0100	11/5/2008 4:09:09 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	20.0	10/17/2008 2:56:00 PM
Acrylonitrile	ND	µg/L		4.24	10.0	10/17/2008 2:56:00 PM
Benzene	ND	µg/L		0.13	1.0	10/17/2008 2:56:00 PM
Bromochloromethane	ND	µg/L		0.35	1.0	10/17/2008 2:56:00 PM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/17/2008 2:56:00 PM
Bromoform	ND	µg/L		0.40	1.0	10/17/2008 2:56:00 PM
Bromomethane	ND	µg/L		0.50	1.0	10/17/2008 2:56:00 PM
2-Butanone	ND	µg/L		4.68	10.0	10/17/2008 2:56:00 PM
Carbon disulfide	ND	µg/L		1.27	5.0	10/17/2008 2:56:00 PM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/17/2008 2:56:00 PM
Chlorobenzene	ND	µg/L		0.18	1.0	10/17/2008 2:56:00 PM
Chloroethane	ND	µg/L		0.94	1.0	10/17/2008 2:56:00 PM
Chloroform	ND	µg/L		0.25	1.0	10/17/2008 2:56:00 PM
Chloromethane	ND	µg/L		0.33	1.0	10/17/2008 2:56:00 PM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/17/2008 2:56:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	6.0	10/17/2008 2:56:00 PM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/17/2008 2:56:00 PM
Dibromomethane	ND	µg/L		0.29	1.0	10/17/2008 2:56:00 PM
1,2-Dichlorobenzene	ND	µg/L		0.45	1.0	10/17/2008 2:56:00 PM
1,4-Dichlorobenzene	ND	µg/L		0.29	1.0	10/17/2008 2:56:00 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: *07-Nov-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C13 **Lab ID** 0810C13-05
Client Sample ID:	MW-3A	**DateReceived:**	10/16/2008
Project:	MSW LANDFILL	**Collection Date:**	10/15/2008 11:28:00 AM
Site ID:	MACON CO NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	10.0	10/17/2008 2:56:00 PM
1,1-Dichloroethane	ND	µg/L		0.38	1.0	10/17/2008 2:56:00 PM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/17/2008 2:56:00 PM
1,1-Dichloroethene	ND	µg/L		0.33	1.0	10/17/2008 2:56:00 PM
cis-1,2-Dichloroethene	ND	µg/L		0.23	1.0	10/17/2008 2:56:00 PM
trans-1,2-Dichloroethene	ND	µg/L		0.39	1.0	10/17/2008 2:56:00 PM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/17/2008 2:56:00 PM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/17/2008 2:56:00 PM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/17/2008 2:56:00 PM
Ethylbenzene	ND	µg/L		0.18	1.0	10/17/2008 2:56:00 PM
2-Hexanone	ND	µg/L		4.11	10.0	10/17/2008 2:56:00 PM
Iodomethane	ND	µg/L		3.44	10.0	10/17/2008 2:56:00 PM
Methylene chloride	ND	µg/L		0.54	1.0	10/17/2008 2:56:00 PM
4-Methyl-2-pentanone	ND	µg/L		4.40	10.0	10/17/2008 2:56:00 PM
Styrene	ND	µg/L		0.24	1.0	10/17/2008 2:56:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	1.0	10/17/2008 2:56:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/17/2008 2:56:00 PM
Tetrachloroethene	ND	µg/L		0.20	1.0	10/17/2008 2:56:00 PM
Toluene	ND	µg/L		0.17	1.0	10/17/2008 2:56:00 PM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/17/2008 2:56:00 PM
1,1,2-Trichloroethane	ND	µg/L		0.49	1.0	10/17/2008 2:56:00 PM
Trichloroethene	ND	µg/L		0.30	1.0	10/17/2008 2:56:00 PM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/17/2008 2:56:00 PM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/17/2008 2:56:00 PM
Vinyl acetate	ND	µg/L		4.87	10.0	10/17/2008 2:56:00 PM
Vinyl chloride	ND	µg/L		0.22	1.0	10/17/2008 2:56:00 PM
o-Xylene	ND	µg/L		0.19	1.0	10/17/2008 2:56:00 PM
m,p-Xylene	ND	µg/L		0.29	2.0	10/17/2008 2:56:00 PM
Surr: 1,2-Dichloroethane-d4	105	%REC			80-120	10/17/2008 2:56:00 PM
Surr: 4-Bromofluorobenzene	99.9	%REC			86-115	10/17/2008 2:56:00 PM
Surr: Dibromofluoromethane	106	%REC			80-120	10/17/2008 2:56:00 PM
Surr: Toluene-d8	98.2	%REC			88-110	10/17/2008 2:56:00 PM
TOTAL SUSPENDED SOLIDS			**SM2540 D**			Analyst: **GV**
Total Suspended Solids	7	mg/L		1.0	1	10/17/2008 10:00:00 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: *07-Nov-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C13 **Lab ID** 0810C13-06
Client Sample ID:	MW-5D	**DateReceived:**	10/16/2008
Project:	MSW LANDFILL	**Collection Date:**	10/15/2008 11:06:00 AM
Site ID:	MACON CO NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DL**
Antimony	ND	mg/L		0.00040	0.0060	11/5/2008 4:14:53 PM
Arsenic	ND	mg/L		0.00200	0.0100	11/5/2008 4:14:53 PM
Barium	0.254	mg/L		0.00100	0.100	11/5/2008 4:14:53 PM
Beryllium	0.0002	mg/L	J	0.00020	0.0010	11/5/2008 4:14:53 PM
Cadmium	0.0028	mg/L		0.00020	0.0010	11/5/2008 4:14:53 PM
Chromium	0.0119	mg/L		0.00100	0.0100	11/5/2008 4:14:53 PM
Cobalt	0.0040	mg/L	J	0.00100	0.0100	11/5/2008 4:14:53 PM
Copper	0.0127	mg/L		0.00100	0.0100	11/5/2008 4:14:53 PM
Lead	0.0022	mg/L	J	0.00020	0.0100	11/5/2008 4:14:53 PM
Nickel	0.0041	mg/L	J	0.00200	0.0500	11/5/2008 4:14:53 PM
Selenium	ND	mg/L		0.00300	0.0100	11/5/2008 4:14:53 PM
Silver	0.0010	mg/L	J	0.00100	0.0100	11/5/2008 4:14:53 PM
Thallium	0.0002	mg/L	J	0.00020	0.0050	11/5/2008 4:14:53 PM
Vanadium	0.0143	mg/L	J	0.00100	0.0200	11/5/2008 4:14:53 PM
Zinc	0.0192	mg/L		0.00300	0.0100	11/5/2008 4:14:53 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	20.0	10/17/2008 3:29:00 PM
Acrylonitrile	ND	µg/L		4.24	10.0	10/17/2008 3:29:00 PM
Benzene	0.5	µg/L	J	0.13	1.0	10/17/2008 3:29:00 PM
Bromochloromethane	ND	µg/L		0.35	1.0	10/17/2008 3:29:00 PM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/17/2008 3:29:00 PM
Bromoform	ND	µg/L		0.40	1.0	10/17/2008 3:29:00 PM
Bromomethane	ND	µg/L		0.50	1.0	10/17/2008 3:29:00 PM
2-Butanone	ND	µg/L		4.68	10.0	10/17/2008 3:29:00 PM
Carbon disulfide	ND	µg/L		1.27	5.0	10/17/2008 3:29:00 PM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/17/2008 3:29:00 PM
Chlorobenzene	0.2	µg/L	J	0.18	1.0	10/17/2008 3:29:00 PM
Chloroethane	ND	µg/L		0.94	1.0	10/17/2008 3:29:00 PM
Chloroform	ND	µg/L		0.25	1.0	10/17/2008 3:29:00 PM
Chloromethane	ND	µg/L		0.33	1.0	10/17/2008 3:29:00 PM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/17/2008 3:29:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	6.0	10/17/2008 3:29:00 PM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/17/2008 3:29:00 PM
Dibromomethane	ND	µg/L		0.29	1.0	10/17/2008 3:29:00 PM
1,2-Dichlorobenzene	ND	µg/L		0.45	1.0	10/17/2008 3:29:00 PM
1,4-Dichlorobenzene	ND	µg/L		0.29	1.0	10/17/2008 3:29:00 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: *07-Nov-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C13 **Lab ID** 0810C13-06
Client Sample ID:	MW-5D	**DateReceived:**	10/16/2008
Project:	MSW LANDFILL	**Collection Date:**	10/15/2008 11:06:00 AM
Site ID:	MACON CO NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	10.0	10/17/2008 3:29:00 PM
1,1-Dichloroethane	0.9	µg/L	J	0.38	1.0	10/17/2008 3:29:00 PM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/17/2008 3:29:00 PM
1,1-Dichloroethene	ND	µg/L		0.33	1.0	10/17/2008 3:29:00 PM
cis-1,2-Dichloroethene	0.8	µg/L	J	0.23	1.0	10/17/2008 3:29:00 PM
trans-1,2-Dichloroethene	ND	µg/L		0.39	1.0	10/17/2008 3:29:00 PM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/17/2008 3:29:00 PM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/17/2008 3:29:00 PM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/17/2008 3:29:00 PM
Ethylbenzene	ND	µg/L		0.18	1.0	10/17/2008 3:29:00 PM
2-Hexanone	ND	µg/L		4.11	10.0	10/17/2008 3:29:00 PM
Iodomethane	ND	µg/L		3.44	10.0	10/17/2008 3:29:00 PM
Methylene chloride	1.7	µg/L		0.54	1.0	10/17/2008 3:29:00 PM
4-Methyl-2-pentanone	ND	µg/L		4.40	10.0	10/17/2008 3:29:00 PM
Styrene	ND	µg/L		0.24	1.0	10/17/2008 3:29:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	1.0	10/17/2008 3:29:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/17/2008 3:29:00 PM
Tetrachloroethene	ND	µg/L		0.20	1.0	10/17/2008 3:29:00 PM
Toluene	ND	µg/L		0.17	1.0	10/17/2008 3:29:00 PM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/17/2008 3:29:00 PM
1,1,2-Trichloroethane	ND	µg/L		0.49	1.0	10/17/2008 3:29:00 PM
Trichloroethene	ND	µg/L		0.30	1.0	10/17/2008 3:29:00 PM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/17/2008 3:29:00 PM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/17/2008 3:29:00 PM
Vinyl acetate	ND	µg/L		4.87	10.0	10/17/2008 3:29:00 PM
Vinyl chloride	0.6	µg/L	J	0.22	1.0	10/17/2008 3:29:00 PM
o-Xylene	1.1	µg/L		0.19	1.0	10/17/2008 3:29:00 PM
m,p-Xylene	5.0	µg/L		0.29	2.0	10/17/2008 3:29:00 PM
Surr: 1,2-Dichloroethane-d4	110	%REC			80-120	10/17/2008 3:29:00 PM
Surr: 4-Bromofluorobenzene	98.5	%REC			86-115	10/17/2008 3:29:00 PM
Surr: Dibromofluoromethane	108	%REC			80-120	10/17/2008 3:29:00 PM
Surr: Toluene-d8	95.7	%REC			88-110	10/17/2008 3:29:00 PM
TOTAL SUSPENDED SOLIDS			**SM2540 D**			Analyst: **GV**
Total Suspended Solids	83	mg/L		1.0	1	10/17/2008 10:00:00 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: *07-Nov-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C13 **Lab ID** 0810C13-07
Client Sample ID:	MW-10	**DateReceived:**	10/16/2008
Project:	MSW LANDFILL	**Collection Date:**	10/15/2008 10:30:00 AM
Site ID:	MACON CO NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DL**
Antimony	ND	mg/L		0.00040	0.0060	11/5/2008 4:20:38 PM
Arsenic	ND	mg/L		0.00200	0.0100	11/5/2008 4:20:38 PM
Barium	0.369	mg/L		0.00100	0.100	11/5/2008 4:20:38 PM
Beryllium	0.0002	mg/L	J	0.00020	0.0010	11/5/2008 4:20:38 PM
Cadmium	ND	mg/L		0.00020	0.0010	11/5/2008 4:20:38 PM
Chromium	0.0103	mg/L		0.00100	0.0100	11/5/2008 4:20:38 PM
Cobalt	0.0047	mg/L	J	0.00100	0.0100	11/5/2008 4:20:38 PM
Copper	0.0046	mg/L	J	0.00100	0.0100	11/5/2008 4:20:38 PM
Lead	0.0025	mg/L	J	0.00020	0.0100	11/5/2008 4:20:38 PM
Nickel	0.0042	mg/L	J	0.00200	0.0500	11/5/2008 4:20:38 PM
Selenium	0.0040	mg/L	J	0.00300	0.0100	11/5/2008 4:20:38 PM
Silver	ND	mg/L		0.00100	0.0100	11/5/2008 4:20:38 PM
Thallium	ND	mg/L		0.00020	0.0050	11/5/2008 4:20:38 PM
Vanadium	0.0149	mg/L	J	0.00100	0.0200	11/5/2008 4:20:38 PM
Zinc	0.0315	mg/L		0.00300	0.0100	11/5/2008 4:20:38 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	20.0	10/17/2008 4:02:00 PM
Acrylonitrile	ND	µg/L		4.24	10.0	10/17/2008 4:02:00 PM
Benzene	ND	µg/L		0.13	1.0	10/17/2008 4:02:00 PM
Bromochloromethane	ND	µg/L		0.35	1.0	10/17/2008 4:02:00 PM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/17/2008 4:02:00 PM
Bromoform	ND	µg/L		0.40	1.0	10/17/2008 4:02:00 PM
Bromomethane	ND	µg/L		0.50	1.0	10/17/2008 4:02:00 PM
2-Butanone	ND	µg/L		4.68	10.0	10/17/2008 4:02:00 PM
Carbon disulfide	ND	µg/L		1.27	5.0	10/17/2008 4:02:00 PM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/17/2008 4:02:00 PM
Chlorobenzene	ND	µg/L		0.18	1.0	10/17/2008 4:02:00 PM
Chloroethane	ND	µg/L		0.94	1.0	10/17/2008 4:02:00 PM
Chloroform	ND	µg/L		0.25	1.0	10/17/2008 4:02:00 PM
Chloromethane	ND	µg/L		0.33	1.0	10/17/2008 4:02:00 PM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/17/2008 4:02:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	6.0	10/17/2008 4:02:00 PM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/17/2008 4:02:00 PM
Dibromomethane	ND	µg/L		0.29	1.0	10/17/2008 4:02:00 PM
1,2-Dichlorobenzene	ND	µg/L		0.45	1.0	10/17/2008 4:02:00 PM
1,4-Dichlorobenzene	ND	µg/L		0.29	1.0	10/17/2008 4:02:00 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: *07-Nov-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C13 **Lab ID** 0810C13-07
Client Sample ID:	MW-10	**DateReceived:**	10/16/2008
Project:	MSW LANDFILL	**Collection Date:**	10/15/2008 10:30:00 AM
Site ID:	MACON CO NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	10.0	10/17/2008 4:02:00 PM
1,1-Dichloroethane	ND	µg/L		0.38	1.0	10/17/2008 4:02:00 PM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/17/2008 4:02:00 PM
1,1-Dichloroethene	ND	µg/L		0.33	1.0	10/17/2008 4:02:00 PM
cis-1,2-Dichloroethene	ND	µg/L		0.23	1.0	10/17/2008 4:02:00 PM
trans-1,2-Dichloroethene	ND	µg/L		0.39	1.0	10/17/2008 4:02:00 PM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/17/2008 4:02:00 PM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/17/2008 4:02:00 PM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/17/2008 4:02:00 PM
Ethylbenzene	ND	µg/L		0.18	1.0	10/17/2008 4:02:00 PM
2-Hexanone	ND	µg/L		4.11	10.0	10/17/2008 4:02:00 PM
Iodomethane	ND	µg/L		3.44	10.0	10/17/2008 4:02:00 PM
Methylene chloride	ND	µg/L		0.54	1.0	10/17/2008 4:02:00 PM
4-Methyl-2-pentanone	ND	µg/L		4.40	10.0	10/17/2008 4:02:00 PM
Styrene	ND	µg/L		0.24	1.0	10/17/2008 4:02:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	1.0	10/17/2008 4:02:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/17/2008 4:02:00 PM
Tetrachloroethene	ND	µg/L		0.20	1.0	10/17/2008 4:02:00 PM
Toluene	ND	µg/L		0.17	1.0	10/17/2008 4:02:00 PM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/17/2008 4:02:00 PM
1,1,2-Trichloroethane	ND	µg/L		0.49	1.0	10/17/2008 4:02:00 PM
Trichloroethene	ND	µg/L		0.30	1.0	10/17/2008 4:02:00 PM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/17/2008 4:02:00 PM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/17/2008 4:02:00 PM
Vinyl acetate	ND	µg/L		4.87	10.0	10/17/2008 4:02:00 PM
Vinyl chloride	ND	µg/L		0.22	1.0	10/17/2008 4:02:00 PM
o-Xylene	ND	µg/L		0.19	1.0	10/17/2008 4:02:00 PM
m,p-Xylene	ND	µg/L		0.29	2.0	10/17/2008 4:02:00 PM
Surr: 1,2-Dichloroethane-d4	110	%REC			80-120	10/17/2008 4:02:00 PM
Surr: 4-Bromofluorobenzene	100	%REC			86-115	10/17/2008 4:02:00 PM
Surr: Dibromofluoromethane	109	%REC			80-120	10/17/2008 4:02:00 PM
Surr: Toluene-d8	96.8	%REC			88-110	10/17/2008 4:02:00 PM
TOTAL SUSPENDED SOLIDS			**SM2540 D**			Analyst: **GV**
Total Suspended Solids	323	mg/L		1.0	1	10/17/2008 10:00:00 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: *07-Nov-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C13 **Lab ID** 0810C13-08
Client Sample ID:	MW-14	**DateReceived:**	10/16/2008
Project:	MSW LANDFILL	**Collection Date:**	10/15/2008 12:55:00 PM
Site ID:	MACON CO NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DL**
Antimony	ND	mg/L		0.00040	0.0060	11/5/2008 4:26:23 PM
Arsenic	ND	mg/L		0.00200	0.0100	11/5/2008 4:26:23 PM
Barium	0.0585	mg/L	J	0.00100	0.100	11/5/2008 4:26:23 PM
Beryllium	ND	mg/L		0.00020	0.0010	11/5/2008 4:26:23 PM
Cadmium	ND	mg/L		0.00020	0.0010	11/5/2008 4:26:23 PM
Chromium	0.0018	mg/L	J	0.00100	0.0100	11/5/2008 4:26:23 PM
Cobalt	0.0034	mg/L	J	0.00100	0.0100	11/5/2008 4:26:23 PM
Copper	0.0015	mg/L	J	0.00100	0.0100	11/5/2008 4:26:23 PM
Lead	0.0014	mg/L	J	0.00020	0.0100	11/5/2008 4:26:23 PM
Nickel	ND	mg/L		0.00200	0.0500	11/5/2008 4:26:23 PM
Selenium	ND	mg/L		0.00300	0.0100	11/5/2008 4:26:23 PM
Silver	ND	mg/L		0.00100	0.0100	11/5/2008 4:26:23 PM
Thallium	ND	mg/L		0.00020	0.0050	11/5/2008 4:26:23 PM
Vanadium	0.0020	mg/L	J	0.00100	0.0200	11/5/2008 4:26:23 PM
Zinc	0.0124	mg/L		0.00300	0.0100	11/5/2008 4:26:23 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	20.0	10/17/2008 4:35:00 PM
Acrylonitrile	ND	µg/L		4.24	10.0	10/17/2008 4:35:00 PM
Benzene	ND	µg/L		0.13	1.0	10/17/2008 4:35:00 PM
Bromochloromethane	ND	µg/L		0.35	1.0	10/17/2008 4:35:00 PM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/17/2008 4:35:00 PM
Bromoform	ND	µg/L		0.40	1.0	10/17/2008 4:35:00 PM
Bromomethane	ND	µg/L		0.50	1.0	10/17/2008 4:35:00 PM
2-Butanone	ND	µg/L		4.68	10.0	10/17/2008 4:35:00 PM
Carbon disulfide	ND	µg/L		1.27	5.0	10/17/2008 4:35:00 PM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/17/2008 4:35:00 PM
Chlorobenzene	ND	µg/L		0.18	1.0	10/17/2008 4:35:00 PM
Chloroethane	ND	µg/L		0.94	1.0	10/17/2008 4:35:00 PM
Chloroform	ND	µg/L		0.25	1.0	10/17/2008 4:35:00 PM
Chloromethane	ND	µg/L		0.33	1.0	10/17/2008 4:35:00 PM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/17/2008 4:35:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	6.0	10/17/2008 4:35:00 PM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/17/2008 4:35:00 PM
Dibromomethane	ND	µg/L		0.29	1.0	10/17/2008 4:35:00 PM
1,2-Dichlorobenzene	ND	µg/L		0.45	1.0	10/17/2008 4:35:00 PM
1,4-Dichlorobenzene	ND	µg/L		0.29	1.0	10/17/2008 4:35:00 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: *07-Nov-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C13 **Lab ID** 0810C13-08
Client Sample ID:	MW-14	**DateReceived:**	10/16/2008
Project:	MSW LANDFILL	**Collection Date:**	10/15/2008 12:55:00 PM
Site ID:	MACON CO NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	10.0	10/17/2008 4:35:00 PM
1,1-Dichloroethane	ND	µg/L		0.38	1.0	10/17/2008 4:35:00 PM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/17/2008 4:35:00 PM
1,1-Dichloroethene	ND	µg/L		0.33	1.0	10/17/2008 4:35:00 PM
cis-1,2-Dichloroethene	ND	µg/L		0.23	1.0	10/17/2008 4:35:00 PM
trans-1,2-Dichloroethene	ND	µg/L		0.39	1.0	10/17/2008 4:35:00 PM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/17/2008 4:35:00 PM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/17/2008 4:35:00 PM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/17/2008 4:35:00 PM
Ethylbenzene	ND	µg/L		0.18	1.0	10/17/2008 4:35:00 PM
2-Hexanone	ND	µg/L		4.11	10.0	10/17/2008 4:35:00 PM
Iodomethane	ND	µg/L		3.44	10.0	10/17/2008 4:35:00 PM
Methylene chloride	ND	µg/L		0.54	1.0	10/17/2008 4:35:00 PM
4-Methyl-2-pentanone	ND	µg/L		4.40	10.0	10/17/2008 4:35:00 PM
Styrene	ND	µg/L		0.24	1.0	10/17/2008 4:35:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	1.0	10/17/2008 4:35:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/17/2008 4:35:00 PM
Tetrachloroethene	ND	µg/L		0.20	1.0	10/17/2008 4:35:00 PM
Toluene	ND	µg/L		0.17	1.0	10/17/2008 4:35:00 PM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/17/2008 4:35:00 PM
1,1,2-Trichloroethane	ND	µg/L		0.49	1.0	10/17/2008 4:35:00 PM
Trichloroethene	ND	µg/L		0.30	1.0	10/17/2008 4:35:00 PM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/17/2008 4:35:00 PM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/17/2008 4:35:00 PM
Vinyl acetate	ND	µg/L		4.87	10.0	10/17/2008 4:35:00 PM
Vinyl chloride	ND	µg/L		0.22	1.0	10/17/2008 4:35:00 PM
o-Xylene	ND	µg/L		0.19	1.0	10/17/2008 4:35:00 PM
m,p-Xylene	ND	µg/L		0.29	2.0	10/17/2008 4:35:00 PM
Surr: 1,2-Dichloroethane-d4	111	%REC			80-120	10/17/2008 4:35:00 PM
Surr: 4-Bromofluorobenzene	104	%REC			86-115	10/17/2008 4:35:00 PM
Surr: Dibromofluoromethane	109	%REC			80-120	10/17/2008 4:35:00 PM
Surr: Toluene-d8	97.6	%REC			88-110	10/17/2008 4:35:00 PM
TOTAL SUSPENDED SOLIDS			**SM2540 D**			Analyst: **GV**
Total Suspended Solids	214	mg/L		1.0	1	10/17/2008 10:00:00 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: *07-Nov-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C13 **Lab ID** 0810C13-09
Client Sample ID:	MW-15	**DateReceived:**	10/16/2008
Project:	MSW LANDFILL	**Collection Date:**	10/15/2008 1:34:00 PM
Site ID:	MACON CO NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DL**
Antimony	ND	mg/L		0.00040	0.0060	11/5/2008 4:32:08 PM
Arsenic	ND	mg/L		0.00200	0.0100	11/5/2008 4:32:08 PM
Barium	0.133	mg/L		0.00100	0.100	11/5/2008 4:32:08 PM
Beryllium	0.0003	mg/L	J	0.00020	0.0010	11/5/2008 4:32:08 PM
Cadmium	ND	mg/L		0.00020	0.0010	11/5/2008 4:32:08 PM
Chromium	0.0017	mg/L	J	0.00100	0.0100	11/5/2008 4:32:08 PM
Cobalt	0.0093	mg/L	J	0.00100	0.0100	11/5/2008 4:32:08 PM
Copper	0.0025	mg/L	J	0.00100	0.0100	11/5/2008 4:32:08 PM
Lead	0.0033	mg/L	J	0.00020	0.0100	11/5/2008 4:32:08 PM
Nickel	0.0022	mg/L	J	0.00200	0.0500	11/5/2008 4:32:08 PM
Selenium	ND	mg/L		0.00300	0.0100	11/5/2008 4:32:08 PM
Silver	ND	mg/L		0.00100	0.0100	11/5/2008 4:32:08 PM
Thallium	ND	mg/L		0.00020	0.0050	11/5/2008 4:32:08 PM
Vanadium	0.0042	mg/L	J	0.00100	0.0200	11/5/2008 4:32:08 PM
Zinc	0.0239	mg/L		0.00300	0.0100	11/5/2008 4:32:08 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	20.0	10/17/2008 5:07:00 PM
Acrylonitrile	ND	µg/L		4.24	10.0	10/17/2008 5:07:00 PM
Benzene	ND	µg/L		0.13	1.0	10/17/2008 5:07:00 PM
Bromochloromethane	ND	µg/L		0.35	1.0	10/17/2008 5:07:00 PM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/17/2008 5:07:00 PM
Bromoform	ND	µg/L		0.40	1.0	10/17/2008 5:07:00 PM
Bromomethane	ND	µg/L		0.50	1.0	10/17/2008 5:07:00 PM
2-Butanone	ND	µg/L		4.68	10.0	10/17/2008 5:07:00 PM
Carbon disulfide	ND	µg/L		1.27	5.0	10/17/2008 5:07:00 PM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/17/2008 5:07:00 PM
Chlorobenzene	ND	µg/L		0.18	1.0	10/17/2008 5:07:00 PM
Chloroethane	ND	µg/L		0.94	1.0	10/17/2008 5:07:00 PM
Chloroform	ND	µg/L		0.25	1.0	10/17/2008 5:07:00 PM
Chloromethane	ND	µg/L		0.33	1.0	10/17/2008 5:07:00 PM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/17/2008 5:07:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	6.0	10/17/2008 5:07:00 PM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/17/2008 5:07:00 PM
Dibromomethane	ND	µg/L		0.29	1.0	10/17/2008 5:07:00 PM
1,2-Dichlorobenzene	ND	µg/L		0.45	1.0	10/17/2008 5:07:00 PM
1,4-Dichlorobenzene	ND	µg/L		0.29	1.0	10/17/2008 5:07:00 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: *07-Nov-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C13 **Lab ID** 0810C13-09
Client Sample ID:	MW-15	**DateReceived:**	10/16/2008
Project:	MSW LANDFILL	**Collection Date:**	10/15/2008 1:34:00 PM
Site ID:	MACON CO NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	10.0	10/17/2008 5:07:00 PM
1,1-Dichloroethane	ND	µg/L		0.38	1.0	10/17/2008 5:07:00 PM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/17/2008 5:07:00 PM
1,1-Dichloroethene	ND	µg/L		0.33	1.0	10/17/2008 5:07:00 PM
cis-1,2-Dichloroethene	ND	µg/L		0.23	1.0	10/17/2008 5:07:00 PM
trans-1,2-Dichloroethene	ND	µg/L		0.39	1.0	10/17/2008 5:07:00 PM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/17/2008 5:07:00 PM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/17/2008 5:07:00 PM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/17/2008 5:07:00 PM
Ethylbenzene	ND	µg/L		0.18	1.0	10/17/2008 5:07:00 PM
2-Hexanone	ND	µg/L		4.11	10.0	10/17/2008 5:07:00 PM
Iodomethane	ND	µg/L		3.44	10.0	10/17/2008 5:07:00 PM
Methylene chloride	ND	µg/L		0.54	1.0	10/17/2008 5:07:00 PM
4-Methyl-2-pentanone	ND	µg/L		4.40	10.0	10/17/2008 5:07:00 PM
Styrene	ND	µg/L		0.24	1.0	10/17/2008 5:07:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	1.0	10/17/2008 5:07:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/17/2008 5:07:00 PM
Tetrachloroethene	ND	µg/L		0.20	1.0	10/17/2008 5:07:00 PM
Toluene	ND	µg/L		0.17	1.0	10/17/2008 5:07:00 PM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/17/2008 5:07:00 PM
1,1,2-Trichloroethane	ND	µg/L		0.49	1.0	10/17/2008 5:07:00 PM
Trichloroethene	ND	µg/L		0.30	1.0	10/17/2008 5:07:00 PM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/17/2008 5:07:00 PM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/17/2008 5:07:00 PM
Vinyl acetate	ND	µg/L		4.87	10.0	10/17/2008 5:07:00 PM
Vinyl chloride	ND	µg/L		0.22	1.0	10/17/2008 5:07:00 PM
o-Xylene	ND	µg/L		0.19	1.0	10/17/2008 5:07:00 PM
m,p-Xylene	ND	µg/L		0.29	2.0	10/17/2008 5:07:00 PM
Surr: 1,2-Dichloroethane-d4	113	%REC			80-120	10/17/2008 5:07:00 PM
Surr: 4-Bromofluorobenzene	100	%REC			86-115	10/17/2008 5:07:00 PM
Surr: Dibromofluoromethane	108	%REC			80-120	10/17/2008 5:07:00 PM
Surr: Toluene-d8	96.9	%REC			88-110	10/17/2008 5:07:00 PM
TOTAL SUSPENDED SOLIDS			**SM2540 D**			Analyst: **GV**
Total Suspended Solids	239	mg/L		1.0	1	10/17/2008 10:00:00 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: *07-Nov-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C13 **Lab ID** 0810C13-10
Client Sample ID:	MW-17	**DateReceived:**	10/16/2008
Project:	MSW LANDFILL	**Collection Date:**	10/15/2008 9:26:00 AM
Site ID:	MACON CO NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DL**
Antimony	0.0025	mg/L	J	0.00040	0.0060	11/5/2008 4:37:54 PM
Arsenic	ND	mg/L		0.00200	0.0100	11/5/2008 4:37:54 PM
Barium	0.220	mg/L		0.00100	0.100	11/5/2008 4:37:54 PM
Beryllium	0.0003	mg/L	J	0.00020	0.0010	11/5/2008 4:37:54 PM
Cadmium	ND	mg/L		0.00020	0.0010	11/5/2008 4:37:54 PM
Chromium	0.0133	mg/L		0.00100	0.0100	11/5/2008 4:37:54 PM
Cobalt	0.0131	mg/L		0.00100	0.0100	11/5/2008 4:37:54 PM
Copper	0.0147	mg/L		0.00100	0.0100	11/5/2008 4:37:54 PM
Lead	0.0081	mg/L	J	0.00020	0.0100	11/5/2008 4:37:54 PM
Nickel	0.0066	mg/L	J	0.00200	0.0500	11/5/2008 4:37:54 PM
Selenium	0.0057	mg/L	J	0.00300	0.0100	11/5/2008 4:37:54 PM
Silver	ND	mg/L		0.00100	0.0100	11/5/2008 4:37:54 PM
Thallium	0.0003	mg/L	J	0.00020	0.0050	11/5/2008 4:37:54 PM
Vanadium	0.0177	mg/L	J	0.00100	0.0200	11/5/2008 4:37:54 PM
Zinc	0.0654	mg/L		0.00300	0.0100	11/5/2008 4:37:54 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	20.0	10/17/2008 10:36:00 PM
Acrylonitrile	ND	µg/L		4.24	10.0	10/17/2008 10:36:00 PM
Benzene	ND	µg/L		0.13	1.0	10/17/2008 10:36:00 PM
Bromochloromethane	ND	µg/L		0.35	1.0	10/17/2008 10:36:00 PM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/17/2008 10:36:00 PM
Bromoform	ND	µg/L		0.40	1.0	10/17/2008 10:36:00 PM
Bromomethane	ND	µg/L		0.50	1.0	10/17/2008 10:36:00 PM
2-Butanone	ND	µg/L		4.68	10.0	10/17/2008 10:36:00 PM
Carbon disulfide	ND	µg/L		1.27	5.0	10/17/2008 10:36:00 PM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/17/2008 10:36:00 PM
Chlorobenzene	ND	µg/L		0.18	1.0	10/17/2008 10:36:00 PM
Chloroethane	ND	µg/L		0.94	1.0	10/17/2008 10:36:00 PM
Chloroform	ND	µg/L		0.25	1.0	10/17/2008 10:36:00 PM
Chloromethane	ND	µg/L		0.33	1.0	10/17/2008 10:36:00 PM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/17/2008 10:36:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	6.0	10/17/2008 10:36:00 PM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/17/2008 10:36:00 PM
Dibromomethane	ND	µg/L		0.29	1.0	10/17/2008 10:36:00 PM
1,2-Dichlorobenzene	ND	µg/L		0.45	1.0	10/17/2008 10:36:00 PM
1,4-Dichlorobenzene	ND	µg/L		0.29	1.0	10/17/2008 10:36:00 PM

Key:

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

REI Consultants, Inc. Analytical Results

Date: *07-Nov-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C13 **Lab ID** 0810C13-10
Client Sample ID:	MW-17	**DateReceived:**	10/16/2008
Project:	MSW LANDFILL	**Collection Date:**	10/15/2008 9:26:00 AM
Site ID:	MACON CO NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	10.0	10/17/2008 10:36:00 PM
1,1-Dichloroethane	ND	µg/L		0.38	1.0	10/17/2008 10:36:00 PM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/17/2008 10:36:00 PM
1,1-Dichloroethene	ND	µg/L		0.33	1.0	10/17/2008 10:36:00 PM
cis-1,2-Dichloroethene	ND	µg/L		0.23	1.0	10/17/2008 10:36:00 PM
trans-1,2-Dichloroethene	ND	µg/L		0.39	1.0	10/17/2008 10:36:00 PM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/17/2008 10:36:00 PM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/17/2008 10:36:00 PM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/17/2008 10:36:00 PM
Ethylbenzene	ND	µg/L		0.18	1.0	10/17/2008 10:36:00 PM
2-Hexanone	ND	µg/L		4.11	10.0	10/17/2008 10:36:00 PM
Iodomethane	ND	µg/L		3.44	10.0	10/17/2008 10:36:00 PM
Methylene chloride	ND	µg/L		0.54	1.0	10/17/2008 10:36:00 PM
4-Methyl-2-pentanone	ND	µg/L		4.40	10.0	10/17/2008 10:36:00 PM
Styrene	ND	µg/L		0.24	1.0	10/17/2008 10:36:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	1.0	10/17/2008 10:36:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/17/2008 10:36:00 PM
Tetrachloroethene	ND	µg/L		0.20	1.0	10/17/2008 10:36:00 PM
Toluene	ND	µg/L		0.17	1.0	10/17/2008 10:36:00 PM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/17/2008 10:36:00 PM
1,1,2-Trichloroethane	ND	µg/L		0.49	1.0	10/17/2008 10:36:00 PM
Trichloroethene	ND	µg/L		0.30	1.0	10/17/2008 10:36:00 PM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/17/2008 10:36:00 PM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/17/2008 10:36:00 PM
Vinyl acetate	ND	µg/L		4.87	10.0	10/17/2008 10:36:00 PM
Vinyl chloride	ND	µg/L		0.22	1.0	10/17/2008 10:36:00 PM
o-Xylene	ND	µg/L		0.19	1.0	10/17/2008 10:36:00 PM
m,p-Xylene	ND	µg/L		0.29	2.0	10/17/2008 10:36:00 PM
Surr: 1,2-Dichloroethane-d4	107	%REC			80-120	10/17/2008 10:36:00 PM
Surr: 4-Bromofluorobenzene	99.5	%REC			86-115	10/17/2008 10:36:00 PM
Surr: Dibromofluoromethane	108	%REC			80-120	10/17/2008 10:36:00 PM
Surr: Toluene-d8	96.5	%REC			88-110	10/17/2008 10:36:00 PM
TOTAL SUSPENDED SOLIDS			**SM2540 D**			Analyst: **GV**
Total Suspended Solids	371	mg/L		1.0	1	10/17/2008 10:00:00 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: *07-Nov-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C13 **Lab ID** 0810C13-11
Client Sample ID:	MW-18	**DateReceived:**	10/16/2008
Project:	MSW LANDFILL	**Collection Date:**	10/15/2008 9:55:00 AM
Site ID:	MACON CO NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DL**
Antimony	ND	mg/L		0.00040	0.0060	11/5/2008 4:55:06 PM
Arsenic	ND	mg/L		0.00200	0.0100	11/5/2008 4:55:06 PM
Barium	0.237	mg/L		0.00100	0.100	11/5/2008 4:55:06 PM
Beryllium	ND	mg/L		0.00020	0.0010	11/5/2008 4:55:06 PM
Cadmium	ND	mg/L		0.00020	0.0010	11/5/2008 4:55:06 PM
Chromium	0.0111	mg/L		0.00100	0.0100	11/5/2008 4:55:06 PM
Cobalt	0.0036	mg/L	J	0.00100	0.0100	11/5/2008 4:55:06 PM
Copper	0.0065	mg/L	J	0.00100	0.0100	11/5/2008 4:55:06 PM
Lead	0.0029	mg/L	J	0.00020	0.0100	11/5/2008 4:55:06 PM
Nickel	0.0053	mg/L	J	0.00200	0.0500	11/5/2008 4:55:06 PM
Selenium	0.0033	mg/L	J	0.00300	0.0100	11/5/2008 4:55:06 PM
Silver	ND	mg/L		0.00100	0.0100	11/5/2008 4:55:06 PM
Thallium	ND	mg/L		0.00020	0.0050	11/5/2008 4:55:06 PM
Vanadium	0.0118	mg/L	J	0.00100	0.0200	11/5/2008 4:55:06 PM
Zinc	0.0278	mg/L		0.00300	0.0100	11/5/2008 4:55:06 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	20.0	10/17/2008 11:09:00 PM
Acrylonitrile	ND	µg/L		4.24	10.0	10/17/2008 11:09:00 PM
Benzene	ND	µg/L		0.13	1.0	10/17/2008 11:09:00 PM
Bromochloromethane	ND	µg/L		0.35	1.0	10/17/2008 11:09:00 PM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/17/2008 11:09:00 PM
Bromoform	ND	µg/L		0.40	1.0	10/17/2008 11:09:00 PM
Bromomethane	ND	µg/L		0.50	1.0	10/17/2008 11:09:00 PM
2-Butanone	ND	µg/L		4.68	10.0	10/17/2008 11:09:00 PM
Carbon disulfide	ND	µg/L		1.27	5.0	10/17/2008 11:09:00 PM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/17/2008 11:09:00 PM
Chlorobenzene	ND	µg/L		0.18	1.0	10/17/2008 11:09:00 PM
Chloroethane	ND	µg/L		0.94	1.0	10/17/2008 11:09:00 PM
Chloroform	ND	µg/L		0.25	1.0	10/17/2008 11:09:00 PM
Chloromethane	ND	µg/L		0.33	1.0	10/17/2008 11:09:00 PM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/17/2008 11:09:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	6.0	10/17/2008 11:09:00 PM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/17/2008 11:09:00 PM
Dibromomethane	ND	µg/L		0.29	1.0	10/17/2008 11:09:00 PM
1,2-Dichlorobenzene	ND	µg/L		0.45	1.0	10/17/2008 11:09:00 PM
1,4-Dichlorobenzene	ND	µg/L		0.29	1.0	10/17/2008 11:09:00 PM

Key:

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

REI Consultants, Inc. Analytical Results

Date: *07-Nov-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C13 **Lab ID** 0810C13-11
Client Sample ID:	MW-18	**DateReceived:**	10/16/2008
Project:	MSW LANDFILL	**Collection Date:**	10/15/2008 9:55:00 AM
Site ID:	MACON CO NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	10.0	10/17/2008 11:09:00 PM
1,1-Dichloroethane	ND	µg/L		0.38	1.0	10/17/2008 11:09:00 PM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/17/2008 11:09:00 PM
1,1-Dichloroethene	ND	µg/L		0.33	1.0	10/17/2008 11:09:00 PM
cis-1,2-Dichloroethene	ND	µg/L		0.23	1.0	10/17/2008 11:09:00 PM
trans-1,2-Dichloroethene	ND	µg/L		0.39	1.0	10/17/2008 11:09:00 PM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/17/2008 11:09:00 PM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/17/2008 11:09:00 PM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/17/2008 11:09:00 PM
Ethylbenzene	ND	µg/L		0.18	1.0	10/17/2008 11:09:00 PM
2-Hexanone	ND	µg/L		4.11	10.0	10/17/2008 11:09:00 PM
Iodomethane	ND	µg/L		3.44	10.0	10/17/2008 11:09:00 PM
Methylene chloride	ND	µg/L		0.54	1.0	10/17/2008 11:09:00 PM
4-Methyl-2-pentanone	ND	µg/L		4.40	10.0	10/17/2008 11:09:00 PM
Styrene	ND	µg/L		0.24	1.0	10/17/2008 11:09:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	1.0	10/17/2008 11:09:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/17/2008 11:09:00 PM
Tetrachloroethene	ND	µg/L		0.20	1.0	10/17/2008 11:09:00 PM
Toluene	ND	µg/L		0.17	1.0	10/17/2008 11:09:00 PM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/17/2008 11:09:00 PM
1,1,2-Trichloroethane	ND	µg/L		0.49	1.0	10/17/2008 11:09:00 PM
Trichloroethene	ND	µg/L		0.30	1.0	10/17/2008 11:09:00 PM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/17/2008 11:09:00 PM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/17/2008 11:09:00 PM
Vinyl acetate	ND	µg/L		4.87	10.0	10/17/2008 11:09:00 PM
Vinyl chloride	ND	µg/L		0.22	1.0	10/17/2008 11:09:00 PM
o-Xylene	ND	µg/L		0.19	1.0	10/17/2008 11:09:00 PM
m,p-Xylene	ND	µg/L		0.29	2.0	10/17/2008 11:09:00 PM
Surr: 1,2-Dichloroethane-d4	108	%REC			80-120	10/17/2008 11:09:00 PM
Surr: 4-Bromofluorobenzene	99.2	%REC			86-115	10/17/2008 11:09:00 PM
Surr: Dibromofluoromethane	107	%REC			80-120	10/17/2008 11:09:00 PM
Surr: Toluene-d8	96.6	%REC			88-110	10/17/2008 11:09:00 PM
TOTAL SUSPENDED SOLIDS			**SM2540 D**			Analyst: **GV**
Total Suspended Solids	182	mg/L		1.0	1	10/17/2008 10:00:00 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: *07-Nov-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C13 **Lab ID** 0810C13-12
Client Sample ID:	MW-19	**DateReceived:**	10/16/2008
Project:	MSW LANDFILL	**Collection Date:**	10/14/2008 5:20:00 PM
Site ID:	MACON CO NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DL**
Antimony	ND	mg/L		0.00040	0.0060	11/5/2008 5:00:50 PM
Arsenic	ND	mg/L		0.00200	0.0100	11/5/2008 5:00:50 PM
Barium	1.17	mg/L		0.00100	0.100	11/5/2008 5:00:50 PM
Beryllium	0.0022	mg/L		0.00020	0.0010	11/5/2008 5:00:50 PM
Cadmium	0.0005	mg/L	J	0.00020	0.0010	11/5/2008 5:00:50 PM
Chromium	0.0193	mg/L		0.00100	0.0100	11/5/2008 5:00:50 PM
Cobalt	0.0250	mg/L		0.00100	0.0100	11/5/2008 5:00:50 PM
Copper	0.0241	mg/L		0.00100	0.0100	11/5/2008 5:00:50 PM
Lead	0.0640	mg/L		0.00020	0.0100	11/5/2008 5:00:50 PM
Nickel	0.0090	mg/L	J	0.00200	0.0500	11/5/2008 5:00:50 PM
Selenium	0.0066	mg/L	J	0.00300	0.0100	11/5/2008 5:00:50 PM
Silver	0.0011	mg/L	J	0.00100	0.0100	11/5/2008 5:00:50 PM
Thallium	0.0003	mg/L	J	0.00020	0.0050	11/5/2008 5:00:50 PM
Vanadium	0.0316	mg/L		0.00100	0.0200	11/5/2008 5:00:50 PM
Zinc	0.139	mg/L		0.00300	0.0100	11/5/2008 5:00:50 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	20.0	10/17/2008 11:42:00 PM
Acrylonitrile	ND	µg/L		4.24	10.0	10/17/2008 11:42:00 PM
Benzene	ND	µg/L		0.13	1.0	10/17/2008 11:42:00 PM
Bromochloromethane	ND	µg/L		0.35	1.0	10/17/2008 11:42:00 PM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/17/2008 11:42:00 PM
Bromoform	ND	µg/L		0.40	1.0	10/17/2008 11:42:00 PM
Bromomethane	ND	µg/L		0.50	1.0	10/17/2008 11:42:00 PM
2-Butanone	ND	µg/L		4.68	10.0	10/17/2008 11:42:00 PM
Carbon disulfide	ND	µg/L		1.27	5.0	10/17/2008 11:42:00 PM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/17/2008 11:42:00 PM
Chlorobenzene	ND	µg/L		0.18	1.0	10/17/2008 11:42:00 PM
Chloroethane	ND	µg/L		0.94	1.0	10/17/2008 11:42:00 PM
Chloroform	ND	µg/L		0.25	1.0	10/17/2008 11:42:00 PM
Chloromethane	ND	µg/L		0.33	1.0	10/17/2008 11:42:00 PM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/17/2008 11:42:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	6.0	10/17/2008 11:42:00 PM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/17/2008 11:42:00 PM
Dibromomethane	ND	µg/L		0.29	1.0	10/17/2008 11:42:00 PM
1,2-Dichlorobenzene	ND	µg/L		0.45	1.0	10/17/2008 11:42:00 PM
1,4-Dichlorobenzene	ND	µg/L		0.29	1.0	10/17/2008 11:42:00 PM

Key:

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

REI Consultants, Inc. Analytical Results

Date: *07-Nov-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C13 **Lab ID** 0810C13-12
Client Sample ID:	MW-19	**DateReceived:**	10/16/2008
Project:	MSW LANDFILL	**Collection Date:**	10/14/2008 5:20:00 PM
Site ID:	MACON CO NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	10.0	10/17/2008 11:42:00 PM
1,1-Dichloroethane	ND	µg/L		0.38	1.0	10/17/2008 11:42:00 PM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/17/2008 11:42:00 PM
1,1-Dichloroethene	ND	µg/L		0.33	1.0	10/17/2008 11:42:00 PM
cis-1,2-Dichloroethene	ND	µg/L		0.23	1.0	10/17/2008 11:42:00 PM
trans-1,2-Dichloroethene	ND	µg/L		0.39	1.0	10/17/2008 11:42:00 PM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/17/2008 11:42:00 PM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/17/2008 11:42:00 PM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/17/2008 11:42:00 PM
Ethylbenzene	ND	µg/L		0.18	1.0	10/17/2008 11:42:00 PM
2-Hexanone	ND	µg/L		4.11	10.0	10/17/2008 11:42:00 PM
Iodomethane	ND	µg/L		3.44	10.0	10/17/2008 11:42:00 PM
Methylene chloride	ND	µg/L		0.54	1.0	10/17/2008 11:42:00 PM
4-Methyl-2-pentanone	ND	µg/L		4.40	10.0	10/17/2008 11:42:00 PM
Styrene	ND	µg/L		0.24	1.0	10/17/2008 11:42:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	1.0	10/17/2008 11:42:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/17/2008 11:42:00 PM
Tetrachloroethene	ND	µg/L		0.20	1.0	10/17/2008 11:42:00 PM
Toluene	ND	µg/L		0.17	1.0	10/17/2008 11:42:00 PM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/17/2008 11:42:00 PM
1,1,2-Trichloroethane	ND	µg/L		0.49	1.0	10/17/2008 11:42:00 PM
Trichloroethene	ND	µg/L		0.30	1.0	10/17/2008 11:42:00 PM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/17/2008 11:42:00 PM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/17/2008 11:42:00 PM
Vinyl acetate	ND	µg/L		4.87	10.0	10/17/2008 11:42:00 PM
Vinyl chloride	ND	µg/L		0.22	1.0	10/17/2008 11:42:00 PM
o-Xylene	ND	µg/L		0.19	1.0	10/17/2008 11:42:00 PM
m,p-Xylene	ND	µg/L		0.29	2.0	10/17/2008 11:42:00 PM
Surr: 1,2-Dichloroethane-d4	112	%REC			80-120	10/17/2008 11:42:00 PM
Surr: 4-Bromofluorobenzene	101	%REC			86-115	10/17/2008 11:42:00 PM
Surr: Dibromofluoromethane	107	%REC			80-120	10/17/2008 11:42:00 PM
Surr: Toluene-d8	96.0	%REC			88-110	10/17/2008 11:42:00 PM
TOTAL SUSPENDED SOLIDS			**SM2540 D**			Analyst: **GV**
Total Suspended Solids	722	mg/L		1.0	1	10/17/2008 10:00:00 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: *07-Nov-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C13 **Lab ID** 0810C13-13
Client Sample ID:	MW-19A	**DateReceived:**	10/16/2008
Project:	MSW LANDFILL	**Collection Date:**	10/15/2008 7:35:00 AM
Site ID:	MACON CO NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DL**
Antimony	ND	mg/L		0.00040	0.0060	11/5/2008 5:06:34 PM
Arsenic	0.0023	mg/L	J	0.00200	0.0100	11/5/2008 5:06:34 PM
Barium	0.0549	mg/L	J	0.00100	0.100	11/5/2008 5:06:34 PM
Beryllium	ND	mg/L		0.00020	0.0010	11/5/2008 5:06:34 PM
Cadmium	ND	mg/L		0.00020	0.0010	11/5/2008 5:06:34 PM
Chromium	0.0010	mg/L	J	0.00100	0.0100	11/5/2008 5:06:34 PM
Cobalt	ND	mg/L		0.00100	0.0100	11/5/2008 5:06:34 PM
Copper	0.0019	mg/L	J	0.00100	0.0100	11/5/2008 5:06:34 PM
Lead	ND	mg/L		0.00020	0.0100	11/5/2008 5:06:34 PM
Nickel	ND	mg/L		0.00200	0.0500	11/5/2008 5:06:34 PM
Selenium	ND	mg/L		0.00300	0.0100	11/5/2008 5:06:34 PM
Silver	ND	mg/L		0.00100	0.0100	11/5/2008 5:06:34 PM
Thallium	ND	mg/L		0.00020	0.0050	11/5/2008 5:06:34 PM
Vanadium	ND	mg/L		0.00100	0.0200	11/5/2008 5:06:34 PM
Zinc	0.0132	mg/L		0.00300	0.0100	11/5/2008 5:06:34 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	20.0	10/18/2008 12:14:00 AM
Acrylonitrile	ND	µg/L		4.24	10.0	10/18/2008 12:14:00 AM
Benzene	ND	µg/L		0.13	1.0	10/18/2008 12:14:00 AM
Bromochloromethane	ND	µg/L		0.35	1.0	10/18/2008 12:14:00 AM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/18/2008 12:14:00 AM
Bromoform	ND	µg/L		0.40	1.0	10/18/2008 12:14:00 AM
Bromomethane	ND	µg/L		0.50	1.0	10/18/2008 12:14:00 AM
2-Butanone	ND	µg/L		4.68	10.0	10/18/2008 12:14:00 AM
Carbon disulfide	ND	µg/L		1.27	5.0	10/18/2008 12:14:00 AM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/18/2008 12:14:00 AM
Chlorobenzene	ND	µg/L		0.18	1.0	10/18/2008 12:14:00 AM
Chloroethane	ND	µg/L		0.94	1.0	10/18/2008 12:14:00 AM
Chloroform	ND	µg/L		0.25	1.0	10/18/2008 12:14:00 AM
Chloromethane	ND	µg/L		0.33	1.0	10/18/2008 12:14:00 AM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/18/2008 12:14:00 AM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	6.0	10/18/2008 12:14:00 AM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/18/2008 12:14:00 AM
Dibromomethane	ND	µg/L		0.29	1.0	10/18/2008 12:14:00 AM
1,2-Dichlorobenzene	ND	µg/L		0.45	1.0	10/18/2008 12:14:00 AM
1,4-Dichlorobenzene	ND	µg/L		0.29	1.0	10/18/2008 12:14:00 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: *07-Nov-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C13 **Lab ID** 0810C13-13
Client Sample ID:	MW-19A	**DateReceived:**	10/16/2008
Project:	MSW LANDFILL	**Collection Date:**	10/15/2008 7:35:00 AM
Site ID:	MACON CO NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	10.0	10/18/2008 12:14:00 AM
1,1-Dichloroethane	ND	µg/L		0.38	1.0	10/18/2008 12:14:00 AM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/18/2008 12:14:00 AM
1,1-Dichloroethene	ND	µg/L		0.33	1.0	10/18/2008 12:14:00 AM
cis-1,2-Dichloroethene	ND	µg/L		0.23	1.0	10/18/2008 12:14:00 AM
trans-1,2-Dichloroethene	ND	µg/L		0.39	1.0	10/18/2008 12:14:00 AM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/18/2008 12:14:00 AM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/18/2008 12:14:00 AM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/18/2008 12:14:00 AM
Ethylbenzene	ND	µg/L		0.18	1.0	10/18/2008 12:14:00 AM
2-Hexanone	ND	µg/L		4.11	10.0	10/18/2008 12:14:00 AM
Iodomethane	ND	µg/L		3.44	10.0	10/18/2008 12:14:00 AM
Methylene chloride	ND	µg/L		0.54	1.0	10/18/2008 12:14:00 AM
4-Methyl-2-pentanone	ND	µg/L		4.40	10.0	10/18/2008 12:14:00 AM
Styrene	ND	µg/L		0.24	1.0	10/18/2008 12:14:00 AM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	1.0	10/18/2008 12:14:00 AM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/18/2008 12:14:00 AM
Tetrachloroethene	ND	µg/L		0.20	1.0	10/18/2008 12:14:00 AM
Toluene	ND	µg/L		0.17	1.0	10/18/2008 12:14:00 AM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/18/2008 12:14:00 AM
1,1,2-Trichloroethane	ND	µg/L		0.49	1.0	10/18/2008 12:14:00 AM
Trichloroethene	ND	µg/L		0.30	1.0	10/18/2008 12:14:00 AM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/18/2008 12:14:00 AM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/18/2008 12:14:00 AM
Vinyl acetate	ND	µg/L		4.87	10.0	10/18/2008 12:14:00 AM
Vinyl chloride	ND	µg/L		0.22	1.0	10/18/2008 12:14:00 AM
o-Xylene	ND	µg/L		0.19	1.0	10/18/2008 12:14:00 AM
m,p-Xylene	ND	µg/L		0.29	2.0	10/18/2008 12:14:00 AM
Surr: 1,2-Dichloroethane-d4	112	%REC			80-120	10/18/2008 12:14:00 AM
Surr: 4-Bromofluorobenzene	102	%REC			86-115	10/18/2008 12:14:00 AM
Surr: Dibromofluoromethane	108	%REC			80-120	10/18/2008 12:14:00 AM
Surr: Toluene-d8	96.0	%REC			88-110	10/18/2008 12:14:00 AM
TOTAL SUSPENDED SOLIDS			**SM2540 D**			Analyst: **GV**
Total Suspended Solids	10	mg/L		1.0	1	10/17/2008 10:00:00 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: *07-Nov-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C13 **Lab ID** 0810C13-14
Client Sample ID:	MW-20	**DateReceived:**	10/16/2008
Project:	MSW LANDFILL	**Collection Date:**	10/14/2008 4:40:00 PM
Site ID:	MACON CO NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DL**
Antimony	ND	mg/L		0.00040	0.0060	11/5/2008 5:12:18 PM
Arsenic	ND	mg/L		0.00200	0.0100	11/5/2008 5:12:18 PM
Barium	0.0622	mg/L	J	0.00100	0.100	11/5/2008 5:12:18 PM
Beryllium	0.0003	mg/L	J	0.00020	0.0010	11/5/2008 5:12:18 PM
Cadmium	ND	mg/L		0.00020	0.0010	11/5/2008 5:12:18 PM
Chromium	0.0017	mg/L	J	0.00100	0.0100	11/5/2008 5:12:18 PM
Cobalt	0.0093	mg/L	J	0.00100	0.0100	11/5/2008 5:12:18 PM
Copper	0.0017	mg/L	J	0.00100	0.0100	11/5/2008 5:12:18 PM
Lead	0.0011	mg/L	J	0.00020	0.0100	11/5/2008 5:12:18 PM
Nickel	ND	mg/L		0.00200	0.0500	11/5/2008 5:12:18 PM
Selenium	ND	mg/L		0.00300	0.0100	11/5/2008 5:12:18 PM
Silver	ND	mg/L		0.00100	0.0100	11/5/2008 5:12:18 PM
Thallium	ND	mg/L		0.00020	0.0050	11/5/2008 5:12:18 PM
Vanadium	0.0035	mg/L	J	0.00100	0.0200	11/5/2008 5:12:18 PM
Zinc	0.0106	mg/L		0.00300	0.0100	11/5/2008 5:12:18 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	20.0	10/18/2008 12:47:00 AM
Acrylonitrile	ND	µg/L		4.24	10.0	10/18/2008 12:47:00 AM
Benzene	ND	µg/L		0.13	1.0	10/18/2008 12:47:00 AM
Bromochloromethane	ND	µg/L		0.35	1.0	10/18/2008 12:47:00 AM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/18/2008 12:47:00 AM
Bromoform	ND	µg/L		0.40	1.0	10/18/2008 12:47:00 AM
Bromomethane	ND	µg/L		0.50	1.0	10/18/2008 12:47:00 AM
2-Butanone	ND	µg/L		4.68	10.0	10/18/2008 12:47:00 AM
Carbon disulfide	ND	µg/L		1.27	5.0	10/18/2008 12:47:00 AM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/18/2008 12:47:00 AM
Chlorobenzene	ND	µg/L		0.18	1.0	10/18/2008 12:47:00 AM
Chloroethane	ND	µg/L		0.94	1.0	10/18/2008 12:47:00 AM
Chloroform	ND	µg/L		0.25	1.0	10/18/2008 12:47:00 AM
Chloromethane	ND	µg/L		0.33	1.0	10/18/2008 12:47:00 AM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/18/2008 12:47:00 AM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	6.0	10/18/2008 12:47:00 AM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/18/2008 12:47:00 AM
Dibromomethane	ND	µg/L		0.29	1.0	10/18/2008 12:47:00 AM
1,2-Dichlorobenzene	ND	µg/L		0.45	1.0	10/18/2008 12:47:00 AM
1,4-Dichlorobenzene	ND	µg/L		0.29	1.0	10/18/2008 12:47:00 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: *07-Nov-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C13 **Lab ID** 0810C13-14
Client Sample ID:	MW-20	**DateReceived:**	10/16/2008
Project:	MSW LANDFILL	**Collection Date:**	10/14/2008 4:40:00 PM
Site ID:	MACON CO NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	10.0	10/18/2008 12:47:00 AM
1,1-Dichloroethane	ND	µg/L		0.38	1.0	10/18/2008 12:47:00 AM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/18/2008 12:47:00 AM
1,1-Dichloroethene	ND	µg/L		0.33	1.0	10/18/2008 12:47:00 AM
cis-1,2-Dichloroethene	ND	µg/L		0.23	1.0	10/18/2008 12:47:00 AM
trans-1,2-Dichloroethene	ND	µg/L		0.39	1.0	10/18/2008 12:47:00 AM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/18/2008 12:47:00 AM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/18/2008 12:47:00 AM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/18/2008 12:47:00 AM
Ethylbenzene	ND	µg/L		0.18	1.0	10/18/2008 12:47:00 AM
2-Hexanone	ND	µg/L		4.11	10.0	10/18/2008 12:47:00 AM
Iodomethane	ND	µg/L		3.44	10.0	10/18/2008 12:47:00 AM
Methylene chloride	ND	µg/L		0.54	1.0	10/18/2008 12:47:00 AM
4-Methyl-2-pentanone	ND	µg/L		4.40	10.0	10/18/2008 12:47:00 AM
Styrene	ND	µg/L		0.24	1.0	10/18/2008 12:47:00 AM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	1.0	10/18/2008 12:47:00 AM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/18/2008 12:47:00 AM
Tetrachloroethene	ND	µg/L		0.20	1.0	10/18/2008 12:47:00 AM
Toluene	ND	µg/L		0.17	1.0	10/18/2008 12:47:00 AM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/18/2008 12:47:00 AM
1,1,2-Trichloroethane	ND	µg/L		0.49	1.0	10/18/2008 12:47:00 AM
Trichloroethene	ND	µg/L		0.30	1.0	10/18/2008 12:47:00 AM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/18/2008 12:47:00 AM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/18/2008 12:47:00 AM
Vinyl acetate	ND	µg/L		4.87	10.0	10/18/2008 12:47:00 AM
Vinyl chloride	ND	µg/L		0.22	1.0	10/18/2008 12:47:00 AM
o-Xylene	ND	µg/L		0.19	1.0	10/18/2008 12:47:00 AM
m,p-Xylene	ND	µg/L		0.29	2.0	10/18/2008 12:47:00 AM
Surr: 1,2-Dichloroethane-d4	115	%REC			80-120	10/18/2008 12:47:00 AM
Surr: 4-Bromofluorobenzene	98.7	%REC			86-115	10/18/2008 12:47:00 AM
Surr: Dibromofluoromethane	112	%REC			80-120	10/18/2008 12:47:00 AM
Surr: Toluene-d8	95.5	%REC			88-110	10/18/2008 12:47:00 AM
TOTAL SUSPENDED SOLIDS			**SM2540 D**			Analyst: **GV**
Total Suspended Solids	76	mg/L		1.0	1	10/17/2008 10:00:00 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: *07-Nov-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C13 **Lab ID** 0810C13-15
Client Sample ID:	MW-21	**DateReceived:**	10/16/2008
Project:	MSW LANDFILL	**Collection Date:**	10/14/2008 4:14:00 PM
Site ID:	MACON CO NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DL**
Antimony	ND	mg/L		0.00040	0.0060	11/5/2008 5:18:03 PM
Arsenic	ND	mg/L		0.00200	0.0100	11/5/2008 5:18:03 PM
Barium	0.0244	mg/L	J	0.00100	0.100	11/5/2008 5:18:03 PM
Beryllium	ND	mg/L		0.00020	0.0010	11/5/2008 5:18:03 PM
Cadmium	ND	mg/L		0.00020	0.0010	11/5/2008 5:18:03 PM
Chromium	ND	mg/L		0.00100	0.0100	11/5/2008 5:18:03 PM
Cobalt	0.0051	mg/L	J	0.00100	0.0100	11/5/2008 5:18:03 PM
Copper	ND	mg/L		0.00100	0.0100	11/5/2008 5:18:03 PM
Lead	ND	mg/L		0.00020	0.0100	11/5/2008 5:18:03 PM
Nickel	ND	mg/L		0.00200	0.0500	11/5/2008 5:18:03 PM
Selenium	ND	mg/L		0.00300	0.0100	11/5/2008 5:18:03 PM
Silver	ND	mg/L		0.00100	0.0100	11/5/2008 5:18:03 PM
Thallium	ND	mg/L		0.00020	0.0050	11/5/2008 5:18:03 PM
Vanadium	ND	mg/L		0.00100	0.0200	11/5/2008 5:18:03 PM
Zinc	0.0051	mg/L	J	0.00300	0.0100	11/5/2008 5:18:03 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	20.0	10/18/2008 1:20:00 AM
Acrylonitrile	ND	µg/L		4.24	10.0	10/18/2008 1:20:00 AM
Benzene	ND	µg/L		0.13	1.0	10/18/2008 1:20:00 AM
Bromochloromethane	ND	µg/L		0.35	1.0	10/18/2008 1:20:00 AM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/18/2008 1:20:00 AM
Bromoform	ND	µg/L		0.40	1.0	10/18/2008 1:20:00 AM
Bromomethane	ND	µg/L		0.50	1.0	10/18/2008 1:20:00 AM
2-Butanone	ND	µg/L		4.68	10.0	10/18/2008 1:20:00 AM
Carbon disulfide	ND	µg/L		1.27	5.0	10/18/2008 1:20:00 AM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/18/2008 1:20:00 AM
Chlorobenzene	ND	µg/L		0.18	1.0	10/18/2008 1:20:00 AM
Chloroethane	ND	µg/L		0.94	1.0	10/18/2008 1:20:00 AM
Chloroform	ND	µg/L		0.25	1.0	10/18/2008 1:20:00 AM
Chloromethane	ND	µg/L		0.33	1.0	10/18/2008 1:20:00 AM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/18/2008 1:20:00 AM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	6.0	10/18/2008 1:20:00 AM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/18/2008 1:20:00 AM
Dibromomethane	ND	µg/L		0.29	1.0	10/18/2008 1:20:00 AM
1,2-Dichlorobenzene	ND	µg/L		0.45	1.0	10/18/2008 1:20:00 AM
1,4-Dichlorobenzene	ND	µg/L		0.29	1.0	10/18/2008 1:20:00 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: *07-Nov-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C13 **Lab ID** 0810C13-15
Client Sample ID:	MW-21	**DateReceived:**	10/16/2008
Project:	MSW LANDFILL	**Collection Date:**	10/14/2008 4:14:00 PM
Site ID:	MACON CO NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	10.0	10/18/2008 1:20:00 AM
1,1-Dichloroethane	ND	µg/L		0.38	1.0	10/18/2008 1:20:00 AM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/18/2008 1:20:00 AM
1,1-Dichloroethene	ND	µg/L		0.33	1.0	10/18/2008 1:20:00 AM
cis-1,2-Dichloroethene	ND	µg/L		0.23	1.0	10/18/2008 1:20:00 AM
trans-1,2-Dichloroethene	ND	µg/L		0.39	1.0	10/18/2008 1:20:00 AM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/18/2008 1:20:00 AM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/18/2008 1:20:00 AM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/18/2008 1:20:00 AM
Ethylbenzene	ND	µg/L		0.18	1.0	10/18/2008 1:20:00 AM
2-Hexanone	ND	µg/L		4.11	10.0	10/18/2008 1:20:00 AM
Iodomethane	ND	µg/L		3.44	10.0	10/18/2008 1:20:00 AM
Methylene chloride	ND	µg/L		0.54	1.0	10/18/2008 1:20:00 AM
4-Methyl-2-pentanone	ND	µg/L		4.40	10.0	10/18/2008 1:20:00 AM
Styrene	ND	µg/L		0.24	1.0	10/18/2008 1:20:00 AM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	1.0	10/18/2008 1:20:00 AM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/18/2008 1:20:00 AM
Tetrachloroethene	ND	µg/L		0.20	1.0	10/18/2008 1:20:00 AM
Toluene	ND	µg/L		0.17	1.0	10/18/2008 1:20:00 AM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/18/2008 1:20:00 AM
1,1,2-Trichloroethane	ND	µg/L		0.49	1.0	10/18/2008 1:20:00 AM
Trichloroethene	ND	µg/L		0.30	1.0	10/18/2008 1:20:00 AM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/18/2008 1:20:00 AM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/18/2008 1:20:00 AM
Vinyl acetate	ND	µg/L		4.87	10.0	10/18/2008 1:20:00 AM
Vinyl chloride	ND	µg/L		0.22	1.0	10/18/2008 1:20:00 AM
o-Xylene	ND	µg/L		0.19	1.0	10/18/2008 1:20:00 AM
m,p-Xylene	ND	µg/L		0.29	2.0	10/18/2008 1:20:00 AM
Surr: 1,2-Dichloroethane-d4	114	%REC			80-120	10/18/2008 1:20:00 AM
Surr: 4-Bromofluorobenzene	99.2	%REC			86-115	10/18/2008 1:20:00 AM
Surr: Dibromofluoromethane	109	%REC			80-120	10/18/2008 1:20:00 AM
Surr: Toluene-d8	97.5	%REC			88-110	10/18/2008 1:20:00 AM
TOTAL SUSPENDED SOLIDS			**SM2540 D**			Analyst: **GV**
Total Suspended Solids	33	mg/L		1.0	1	10/17/2008 10:00:00 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:** *07-Nov-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C13 **Lab ID** 0810C13-16
Client Sample ID:	MW-22	**DateReceived:**	10/16/2008
Project:	MSW LANDFILL	**Collection Date:**	10/14/2008 3:48:00 PM
Site ID:	MACON CO NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DL**
Antimony	ND	mg/L		0.00040	0.0060	11/5/2008 5:23:47 PM
Arsenic	ND	mg/L		0.00200	0.0100	11/5/2008 5:23:47 PM
Barium	1.02	mg/L		0.00100	0.100	11/5/2008 5:23:47 PM
Beryllium	0.0028	mg/L		0.00020	0.0010	11/5/2008 5:23:47 PM
Cadmium	0.0004	mg/L	J	0.00020	0.0010	11/5/2008 5:23:47 PM
Chromium	0.0614	mg/L		0.00100	0.0100	11/5/2008 5:23:47 PM
Cobalt	0.0590	mg/L		0.00100	0.0100	11/5/2008 5:23:47 PM
Copper	0.0542	mg/L		0.00100	0.0100	11/5/2008 5:23:47 PM
Lead	0.0267	mg/L		0.00020	0.0100	11/5/2008 5:23:47 PM
Nickel	0.0332	mg/L	J	0.00200	0.0500	11/5/2008 5:23:47 PM
Selenium	0.0081	mg/L	J	0.00300	0.0100	11/5/2008 5:23:47 PM
Silver	ND	mg/L		0.00100	0.0100	11/5/2008 5:23:47 PM
Thallium	0.0006	mg/L	J	0.00020	0.0050	11/5/2008 5:23:47 PM
Vanadium	0.109	mg/L		0.00100	0.0200	11/5/2008 5:23:47 PM
Zinc	0.153	mg/L		0.00300	0.0100	11/5/2008 5:23:47 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	20.0	10/18/2008 1:53:00 AM
Acrylonitrile	ND	µg/L		4.24	10.0	10/18/2008 1:53:00 AM
Benzene	ND	µg/L		0.13	1.0	10/18/2008 1:53:00 AM
Bromochloromethane	ND	µg/L		0.35	1.0	10/18/2008 1:53:00 AM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/18/2008 1:53:00 AM
Bromoform	ND	µg/L		0.40	1.0	10/18/2008 1:53:00 AM
Bromomethane	ND	µg/L		0.50	1.0	10/18/2008 1:53:00 AM
2-Butanone	ND	µg/L		4.68	10.0	10/18/2008 1:53:00 AM
Carbon disulfide	ND	µg/L		1.27	5.0	10/18/2008 1:53:00 AM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/18/2008 1:53:00 AM
Chlorobenzene	ND	µg/L		0.18	1.0	10/18/2008 1:53:00 AM
Chloroethane	ND	µg/L		0.94	1.0	10/18/2008 1:53:00 AM
Chloroform	ND	µg/L		0.25	1.0	10/18/2008 1:53:00 AM
Chloromethane	ND	µg/L		0.33	1.0	10/18/2008 1:53:00 AM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/18/2008 1:53:00 AM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	6.0	10/18/2008 1:53:00 AM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/18/2008 1:53:00 AM
Dibromomethane	ND	µg/L		0.29	1.0	10/18/2008 1:53:00 AM
1,2-Dichlorobenzene	ND	µg/L		0.45	1.0	10/18/2008 1:53:00 AM
1,4-Dichlorobenzene	ND	µg/L		0.29	1.0	10/18/2008 1:53:00 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: *07-Nov-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C13 **Lab ID** 0810C13-16
Client Sample ID:	MW-22	**DateReceived:**	10/16/2008
Project:	MSW LANDFILL	**Collection Date:**	10/14/2008 3:48:00 PM
Site ID:	MACON CO NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	10.0	10/18/2008 1:53:00 AM
1,1-Dichloroethane	0.4	µg/L	J	0.38	1.0	10/18/2008 1:53:00 AM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/18/2008 1:53:00 AM
1,1-Dichloroethene	ND	µg/L		0.33	1.0	10/18/2008 1:53:00 AM
cis-1,2-Dichloroethene	ND	µg/L		0.23	1.0	10/18/2008 1:53:00 AM
trans-1,2-Dichloroethene	ND	µg/L		0.39	1.0	10/18/2008 1:53:00 AM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/18/2008 1:53:00 AM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/18/2008 1:53:00 AM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/18/2008 1:53:00 AM
Ethylbenzene	ND	µg/L		0.18	1.0	10/18/2008 1:53:00 AM
2-Hexanone	ND	µg/L		4.11	10.0	10/18/2008 1:53:00 AM
Iodomethane	ND	µg/L		3.44	10.0	10/18/2008 1:53:00 AM
Methylene chloride	ND	µg/L		0.54	1.0	10/18/2008 1:53:00 AM
4-Methyl-2-pentanone	ND	µg/L		4.40	10.0	10/18/2008 1:53:00 AM
Styrene	ND	µg/L		0.24	1.0	10/18/2008 1:53:00 AM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	1.0	10/18/2008 1:53:00 AM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/18/2008 1:53:00 AM
Tetrachloroethene	ND	µg/L		0.20	1.0	10/18/2008 1:53:00 AM
Toluene	ND	µg/L		0.17	1.0	10/18/2008 1:53:00 AM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/18/2008 1:53:00 AM
1,1,2-Trichloroethane	ND	µg/L		0.49	1.0	10/18/2008 1:53:00 AM
Trichloroethene	ND	µg/L		0.30	1.0	10/18/2008 1:53:00 AM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/18/2008 1:53:00 AM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/18/2008 1:53:00 AM
Vinyl acetate	ND	µg/L		4.87	10.0	10/18/2008 1:53:00 AM
Vinyl chloride	ND	µg/L		0.22	1.0	10/18/2008 1:53:00 AM
o-Xylene	ND	µg/L		0.19	1.0	10/18/2008 1:53:00 AM
m,p-Xylene	ND	µg/L		0.29	2.0	10/18/2008 1:53:00 AM
Surr: 1,2-Dichloroethane-d4	114	%REC			80-120	10/18/2008 1:53:00 AM
Surr: 4-Bromofluorobenzene	101	%REC			86-115	10/18/2008 1:53:00 AM
Surr: Dibromofluoromethane	112	%REC			80-120	10/18/2008 1:53:00 AM
Surr: Toluene-d8	95.7	%REC			88-110	10/18/2008 1:53:00 AM
TOTAL SUSPENDED SOLIDS			**SM2540 D**			Analyst: **GV**
Total Suspended Solids	1,420	mg/L		1.0	1	10/17/2008 10:00:00 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: *07-Nov-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C13 **Lab ID** 0810C13-17
Client Sample ID:	MW-22A	**DateReceived:**	10/16/2008
Project:	MSW LANDFILL	**Collection Date:**	10/14/2008 3:53:00 PM
Site ID:	MACON CO NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DL**
Antimony	ND	mg/L		0.00040	0.0060	11/5/2008 5:29:33 PM
Arsenic	ND	mg/L		0.00200	0.0100	11/5/2008 5:29:33 PM
Barium	0.0184	mg/L	J	0.00100	0.100	11/5/2008 5:29:33 PM
Beryllium	ND	mg/L		0.00020	0.0010	11/5/2008 5:29:33 PM
Cadmium	ND	mg/L		0.00020	0.0010	11/5/2008 5:29:33 PM
Chromium	0.0011	mg/L	J	0.00100	0.0100	11/5/2008 5:29:33 PM
Cobalt	ND	mg/L		0.00100	0.0100	11/5/2008 5:29:33 PM
Copper	ND	mg/L		0.00100	0.0100	11/5/2008 5:29:33 PM
Lead	ND	mg/L		0.00020	0.0100	11/5/2008 5:29:33 PM
Nickel	ND	mg/L		0.00200	0.0500	11/5/2008 5:29:33 PM
Selenium	ND	mg/L		0.00300	0.0100	11/5/2008 5:29:33 PM
Silver	ND	mg/L		0.00100	0.0100	11/5/2008 5:29:33 PM
Thallium	ND	mg/L		0.00020	0.0050	11/5/2008 5:29:33 PM
Vanadium	ND	mg/L		0.00100	0.0200	11/5/2008 5:29:33 PM
Zinc	0.0091	mg/L	J	0.00300	0.0100	11/5/2008 5:29:33 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	20.0	10/18/2008 2:26:00 AM
Acrylonitrile	ND	µg/L		4.24	10.0	10/18/2008 2:26:00 AM
Benzene	ND	µg/L		0.13	1.0	10/18/2008 2:26:00 AM
Bromochloromethane	ND	µg/L		0.35	1.0	10/18/2008 2:26:00 AM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/18/2008 2:26:00 AM
Bromoform	ND	µg/L		0.40	1.0	10/18/2008 2:26:00 AM
Bromomethane	ND	µg/L		0.50	1.0	10/18/2008 2:26:00 AM
2-Butanone	ND	µg/L		4.68	10.0	10/18/2008 2:26:00 AM
Carbon disulfide	4.2	µg/L	J	1.27	5.0	10/18/2008 2:26:00 AM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/18/2008 2:26:00 AM
Chlorobenzene	ND	µg/L		0.18	1.0	10/18/2008 2:26:00 AM
Chloroethane	ND	µg/L		0.94	1.0	10/18/2008 2:26:00 AM
Chloroform	ND	µg/L		0.25	1.0	10/18/2008 2:26:00 AM
Chloromethane	ND	µg/L		0.33	1.0	10/18/2008 2:26:00 AM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/18/2008 2:26:00 AM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	6.0	10/18/2008 2:26:00 AM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/18/2008 2:26:00 AM
Dibromomethane	ND	µg/L		0.29	1.0	10/18/2008 2:26:00 AM
1,2-Dichlorobenzene	ND	µg/L		0.45	1.0	10/18/2008 2:26:00 AM
1,4-Dichlorobenzene	ND	µg/L		0.29	1.0	10/18/2008 2:26:00 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: *07-Nov-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C13 **Lab ID** 0810C13-17
Client Sample ID:	MW-22A	**DateReceived:**	10/16/2008
Project:	MSW LANDFILL	**Collection Date:**	10/14/2008 3:53:00 PM
Site ID:	MACON CO NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	10.0	10/18/2008 2:26:00 AM
1,1-Dichloroethane	ND	µg/L		0.38	1.0	10/18/2008 2:26:00 AM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/18/2008 2:26:00 AM
1,1-Dichloroethene	ND	µg/L		0.33	1.0	10/18/2008 2:26:00 AM
cis-1,2-Dichloroethene	ND	µg/L		0.23	1.0	10/18/2008 2:26:00 AM
trans-1,2-Dichloroethene	ND	µg/L		0.39	1.0	10/18/2008 2:26:00 AM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/18/2008 2:26:00 AM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/18/2008 2:26:00 AM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/18/2008 2:26:00 AM
Ethylbenzene	ND	µg/L		0.18	1.0	10/18/2008 2:26:00 AM
2-Hexanone	ND	µg/L		4.11	10.0	10/18/2008 2:26:00 AM
Iodomethane	ND	µg/L		3.44	10.0	10/18/2008 2:26:00 AM
Methylene chloride	ND	µg/L		0.54	1.0	10/18/2008 2:26:00 AM
4-Methyl-2-pentanone	ND	µg/L		4.40	10.0	10/18/2008 2:26:00 AM
Styrene	ND	µg/L		0.24	1.0	10/18/2008 2:26:00 AM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	1.0	10/18/2008 2:26:00 AM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/18/2008 2:26:00 AM
Tetrachloroethene	ND	µg/L		0.20	1.0	10/18/2008 2:26:00 AM
Toluene	ND	µg/L		0.17	1.0	10/18/2008 2:26:00 AM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/18/2008 2:26:00 AM
1,1,2-Trichloroethane	ND	µg/L		0.49	1.0	10/18/2008 2:26:00 AM
Trichloroethene	ND	µg/L		0.30	1.0	10/18/2008 2:26:00 AM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/18/2008 2:26:00 AM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/18/2008 2:26:00 AM
Vinyl acetate	ND	µg/L		4.87	10.0	10/18/2008 2:26:00 AM
Vinyl chloride	ND	µg/L		0.22	1.0	10/18/2008 2:26:00 AM
o-Xylene	ND	µg/L		0.19	1.0	10/18/2008 2:26:00 AM
m,p-Xylene	ND	µg/L		0.29	2.0	10/18/2008 2:26:00 AM
Surr: 1,2-Dichloroethane-d4	110	%REC			80-120	10/18/2008 2:26:00 AM
Surr: 4-Bromofluorobenzene	103	%REC			86-115	10/18/2008 2:26:00 AM
Surr: Dibromofluoromethane	109	%REC			80-120	10/18/2008 2:26:00 AM
Surr: Toluene-d8	98.2	%REC			88-110	10/18/2008 2:26:00 AM
TOTAL SUSPENDED SOLIDS			**SM2540 D**			Analyst: **GV**
Total Suspended Solids	28	mg/L		1.0	1	10/17/2008 10:00:00 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: *07-Nov-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C13 **Lab ID** 0810C13-18
Client Sample ID:	MW-23	**DateReceived:**	10/16/2008
Project:	MSW LANDFILL	**Collection Date:**	10/14/2008 3:02:00 PM
Site ID:	MACON CO NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DL**
Antimony	ND	mg/L		0.00040	0.0060	11/5/2008 5:35:18 PM
Arsenic	ND	mg/L		0.00200	0.0100	11/5/2008 5:35:18 PM
Barium	0.150	mg/L		0.00100	0.100	11/5/2008 5:35:18 PM
Beryllium	0.0002	mg/L	J	0.00020	0.0010	11/5/2008 5:35:18 PM
Cadmium	ND	mg/L		0.00020	0.0010	11/5/2008 5:35:18 PM
Chromium	0.0057	mg/L	J	0.00100	0.0100	11/5/2008 5:35:18 PM
Cobalt	0.0052	mg/L	J	0.00100	0.0100	11/5/2008 5:35:18 PM
Copper	0.0045	mg/L	J	0.00100	0.0100	11/5/2008 5:35:18 PM
Lead	0.0025	mg/L	J	0.00020	0.0100	11/5/2008 5:35:18 PM
Nickel	0.0043	mg/L	J	0.00200	0.0500	11/5/2008 5:35:18 PM
Selenium	ND	mg/L		0.00300	0.0100	11/5/2008 5:35:18 PM
Silver	ND	mg/L		0.00100	0.0100	11/5/2008 5:35:18 PM
Thallium	ND	mg/L		0.00020	0.0050	11/5/2008 5:35:18 PM
Vanadium	0.0089	mg/L	J	0.00100	0.0200	11/5/2008 5:35:18 PM
Zinc	0.0217	mg/L		0.00300	0.0100	11/5/2008 5:35:18 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	20.0	10/18/2008 2:58:00 AM
Acrylonitrile	ND	µg/L		4.24	10.0	10/18/2008 2:58:00 AM
Benzene	ND	µg/L		0.13	1.0	10/18/2008 2:58:00 AM
Bromochloromethane	ND	µg/L		0.35	1.0	10/18/2008 2:58:00 AM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/18/2008 2:58:00 AM
Bromoform	ND	µg/L		0.40	1.0	10/18/2008 2:58:00 AM
Bromomethane	ND	µg/L		0.50	1.0	10/18/2008 2:58:00 AM
2-Butanone	ND	µg/L		4.68	10.0	10/18/2008 2:58:00 AM
Carbon disulfide	ND	µg/L		1.27	5.0	10/18/2008 2:58:00 AM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/18/2008 2:58:00 AM
Chlorobenzene	0.9	µg/L	J	0.18	1.0	10/18/2008 2:58:00 AM
Chloroethane	ND	µg/L		0.94	1.0	10/18/2008 2:58:00 AM
Chloroform	ND	µg/L		0.25	1.0	10/18/2008 2:58:00 AM
Chloromethane	ND	µg/L		0.33	1.0	10/18/2008 2:58:00 AM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/18/2008 2:58:00 AM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	6.0	10/18/2008 2:58:00 AM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/18/2008 2:58:00 AM
Dibromomethane	ND	µg/L		0.29	1.0	10/18/2008 2:58:00 AM
1,2-Dichlorobenzene	ND	µg/L		0.45	1.0	10/18/2008 2:58:00 AM
1,4-Dichlorobenzene	1.1	µg/L		0.29	1.0	10/18/2008 2:58:00 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: *07-Nov-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C13 **Lab ID** 0810C13-18
Client Sample ID:	MW-23	**DateReceived:**	10/16/2008
Project:	MSW LANDFILL	**Collection Date:**	10/14/2008 3:02:00 PM
Site ID:	MACON CO NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	10.0	10/18/2008 2:58:00 AM
1,1-Dichloroethane	1.7	µg/L		0.38	1.0	10/18/2008 2:58:00 AM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/18/2008 2:58:00 AM
1,1-Dichloroethene	ND	µg/L		0.33	1.0	10/18/2008 2:58:00 AM
cis-1,2-Dichloroethene	0.3	µg/L	J	0.23	1.0	10/18/2008 2:58:00 AM
trans-1,2-Dichloroethene	ND	µg/L		0.39	1.0	10/18/2008 2:58:00 AM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/18/2008 2:58:00 AM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/18/2008 2:58:00 AM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/18/2008 2:58:00 AM
Ethylbenzene	ND	µg/L		0.18	1.0	10/18/2008 2:58:00 AM
2-Hexanone	ND	µg/L		4.11	10.0	10/18/2008 2:58:00 AM
Iodomethane	ND	µg/L		3.44	10.0	10/18/2008 2:58:00 AM
Methylene chloride	ND	µg/L		0.54	1.0	10/18/2008 2:58:00 AM
4-Methyl-2-pentanone	ND	µg/L		4.40	10.0	10/18/2008 2:58:00 AM
Styrene	ND	µg/L		0.24	1.0	10/18/2008 2:58:00 AM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	1.0	10/18/2008 2:58:00 AM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/18/2008 2:58:00 AM
Tetrachloroethene	ND	µg/L		0.20	1.0	10/18/2008 2:58:00 AM
Toluene	ND	µg/L		0.17	1.0	10/18/2008 2:58:00 AM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/18/2008 2:58:00 AM
1,1,2-Trichloroethane	ND	µg/L		0.49	1.0	10/18/2008 2:58:00 AM
Trichloroethene	ND	µg/L		0.30	1.0	10/18/2008 2:58:00 AM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/18/2008 2:58:00 AM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/18/2008 2:58:00 AM
Vinyl acetate	ND	µg/L		4.87	10.0	10/18/2008 2:58:00 AM
Vinyl chloride	ND	µg/L		0.22	1.0	10/18/2008 2:58:00 AM
o-Xylene	ND	µg/L		0.19	1.0	10/18/2008 2:58:00 AM
m,p-Xylene	ND	µg/L		0.29	2.0	10/18/2008 2:58:00 AM
Surr: 1,2-Dichloroethane-d4	115	%REC			80-120	10/18/2008 2:58:00 AM
Surr: 4-Bromofluorobenzene	102	%REC			86-115	10/18/2008 2:58:00 AM
Surr: Dibromofluoromethane	109	%REC			80-120	10/18/2008 2:58:00 AM
Surr: Toluene-d8	96.0	%REC			88-110	10/18/2008 2:58:00 AM
TOTAL SUSPENDED SOLIDS			**SM2540 D**			Analyst: **GV**
Total Suspended Solids	113	mg/L		1.0	1	10/17/2008 10:00:00 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: *07-Nov-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C13 **Lab ID** 0810C13-19
Client Sample ID:	SW-1	**DateReceived:**	10/16/2008
Project:	MSW LANDFILL	**Collection Date:**	10/15/2008 8:35:00 AM
Site ID:	MACON CO NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DL**
Antimony	ND	mg/L		0.00040	0.0060	11/5/2008 5:41:03 PM
Arsenic	ND	mg/L		0.00200	0.0100	11/5/2008 5:41:03 PM
Barium	0.0160	mg/L	J	0.00100	0.100	11/5/2008 5:41:03 PM
Beryllium	ND	mg/L		0.00020	0.0010	11/5/2008 5:41:03 PM
Cadmium	ND	mg/L		0.00020	0.0010	11/5/2008 5:41:03 PM
Chromium	ND	mg/L		0.00100	0.0100	11/5/2008 5:41:03 PM
Cobalt	ND	mg/L		0.00100	0.0100	11/5/2008 5:41:03 PM
Copper	ND	mg/L		0.00100	0.0100	11/5/2008 5:41:03 PM
Lead	ND	mg/L		0.00020	0.0100	11/5/2008 5:41:03 PM
Nickel	ND	mg/L		0.00200	0.0500	11/5/2008 5:41:03 PM
Selenium	ND	mg/L		0.00300	0.0100	11/5/2008 5:41:03 PM
Silver	ND	mg/L		0.00100	0.0100	11/5/2008 5:41:03 PM
Thallium	ND	mg/L		0.00020	0.0050	11/5/2008 5:41:03 PM
Vanadium	0.0010	mg/L	J	0.00100	0.0200	11/5/2008 5:41:03 PM
Zinc	0.0075	mg/L	J	0.00300	0.0100	11/5/2008 5:41:03 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	20.0	10/18/2008 3:31:00 AM
Acrylonitrile	ND	µg/L		4.24	10.0	10/18/2008 3:31:00 AM
Benzene	ND	µg/L		0.13	1.0	10/18/2008 3:31:00 AM
Bromochloromethane	ND	µg/L		0.35	1.0	10/18/2008 3:31:00 AM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/18/2008 3:31:00 AM
Bromoform	ND	µg/L		0.40	1.0	10/18/2008 3:31:00 AM
Bromomethane	ND	µg/L		0.50	1.0	10/18/2008 3:31:00 AM
2-Butanone	ND	µg/L		4.68	10.0	10/18/2008 3:31:00 AM
Carbon disulfide	ND	µg/L		1.27	5.0	10/18/2008 3:31:00 AM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/18/2008 3:31:00 AM
Chlorobenzene	ND	µg/L		0.18	1.0	10/18/2008 3:31:00 AM
Chloroethane	ND	µg/L		0.94	1.0	10/18/2008 3:31:00 AM
Chloroform	ND	µg/L		0.25	1.0	10/18/2008 3:31:00 AM
Chloromethane	ND	µg/L		0.33	1.0	10/18/2008 3:31:00 AM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/18/2008 3:31:00 AM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	6.0	10/18/2008 3:31:00 AM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/18/2008 3:31:00 AM
Dibromomethane	ND	µg/L		0.29	1.0	10/18/2008 3:31:00 AM
1,2-Dichlorobenzene	ND	µg/L		0.45	1.0	10/18/2008 3:31:00 AM
1,4-Dichlorobenzene	ND	µg/L		0.29	1.0	10/18/2008 3:31:00 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: *07-Nov-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C13 **Lab ID** 0810C13-19
Client Sample ID:	SW-1	**DateReceived:**	10/16/2008
Project:	MSW LANDFILL	**Collection Date:**	10/15/2008 8:35:00 AM
Site ID:	MACON CO NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	10.0	10/18/2008 3:31:00 AM
1,1-Dichloroethane	ND	µg/L		0.38	1.0	10/18/2008 3:31:00 AM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/18/2008 3:31:00 AM
1,1-Dichloroethene	ND	µg/L		0.33	1.0	10/18/2008 3:31:00 AM
cis-1,2-Dichloroethene	ND	µg/L		0.23	1.0	10/18/2008 3:31:00 AM
trans-1,2-Dichloroethene	ND	µg/L		0.39	1.0	10/18/2008 3:31:00 AM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/18/2008 3:31:00 AM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/18/2008 3:31:00 AM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/18/2008 3:31:00 AM
Ethylbenzene	ND	µg/L		0.18	1.0	10/18/2008 3:31:00 AM
2-Hexanone	ND	µg/L		4.11	10.0	10/18/2008 3:31:00 AM
Iodomethane	ND	µg/L		3.44	10.0	10/18/2008 3:31:00 AM
Methylene chloride	ND	µg/L		0.54	1.0	10/18/2008 3:31:00 AM
4-Methyl-2-pentanone	ND	µg/L		4.40	10.0	10/18/2008 3:31:00 AM
Styrene	ND	µg/L		0.24	1.0	10/18/2008 3:31:00 AM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	1.0	10/18/2008 3:31:00 AM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/18/2008 3:31:00 AM
Tetrachloroethene	ND	µg/L		0.20	1.0	10/18/2008 3:31:00 AM
Toluene	ND	µg/L		0.17	1.0	10/18/2008 3:31:00 AM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/18/2008 3:31:00 AM
1,1,2-Trichloroethane	ND	µg/L		0.49	1.0	10/18/2008 3:31:00 AM
Trichloroethene	ND	µg/L		0.30	1.0	10/18/2008 3:31:00 AM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/18/2008 3:31:00 AM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/18/2008 3:31:00 AM
Vinyl acetate	ND	µg/L		4.87	10.0	10/18/2008 3:31:00 AM
Vinyl chloride	ND	µg/L		0.22	1.0	10/18/2008 3:31:00 AM
o-Xylene	ND	µg/L		0.19	1.0	10/18/2008 3:31:00 AM
m,p-Xylene	ND	µg/L		0.29	2.0	10/18/2008 3:31:00 AM
Surr: 1,2-Dichloroethane-d4	112	%REC			80-120	10/18/2008 3:31:00 AM
Surr: 4-Bromofluorobenzene	100	%REC			86-115	10/18/2008 3:31:00 AM
Surr: Dibromofluoromethane	109	%REC			80-120	10/18/2008 3:31:00 AM
Surr: Toluene-d8	95.2	%REC			88-110	10/18/2008 3:31:00 AM
TOTAL SUSPENDED SOLIDS			**SM2540 D**			Analyst: **GV**
Total Suspended Solids	7	mg/L		1.0	1	10/17/2008 10:00:00 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: *07-Nov-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C13 **Lab ID** 0810C13-20
Client Sample ID:	SW-2	**DateReceived:**	10/16/2008
Project:	MSW LANDFILL	**Collection Date:**	10/15/2008 8:00:00 AM
Site ID:	MACON CO NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DL**
Antimony	ND	mg/L		0.00040	0.0060	11/5/2008 5:46:49 PM
Arsenic	ND	mg/L		0.00200	0.0100	11/5/2008 5:46:49 PM
Barium	0.0159	mg/L	J	0.00100	0.100	11/5/2008 5:46:49 PM
Beryllium	ND	mg/L		0.00020	0.0010	11/5/2008 5:46:49 PM
Cadmium	ND	mg/L		0.00020	0.0010	11/5/2008 5:46:49 PM
Chromium	ND	mg/L		0.00100	0.0100	11/5/2008 5:46:49 PM
Cobalt	ND	mg/L		0.00100	0.0100	11/5/2008 5:46:49 PM
Copper	ND	mg/L		0.00100	0.0100	11/5/2008 5:46:49 PM
Lead	ND	mg/L		0.00020	0.0100	11/5/2008 5:46:49 PM
Nickel	ND	mg/L		0.00200	0.0500	11/5/2008 5:46:49 PM
Selenium	ND	mg/L		0.00300	0.0100	11/5/2008 5:46:49 PM
Silver	ND	mg/L		0.00100	0.0100	11/5/2008 5:46:49 PM
Thallium	ND	mg/L		0.00020	0.0050	11/5/2008 5:46:49 PM
Vanadium	ND	mg/L		0.00100	0.0200	11/5/2008 5:46:49 PM
Zinc	0.0034	mg/L	J	0.00300	0.0100	11/5/2008 5:46:49 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	20.0	10/18/2008 4:04:00 AM
Acrylonitrile	ND	µg/L		4.24	10.0	10/18/2008 4:04:00 AM
Benzene	ND	µg/L		0.13	1.0	10/18/2008 4:04:00 AM
Bromochloromethane	ND	µg/L		0.35	1.0	10/18/2008 4:04:00 AM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/18/2008 4:04:00 AM
Bromoform	ND	µg/L		0.40	1.0	10/18/2008 4:04:00 AM
Bromomethane	ND	µg/L		0.50	1.0	10/18/2008 4:04:00 AM
2-Butanone	ND	µg/L		4.68	10.0	10/18/2008 4:04:00 AM
Carbon disulfide	ND	µg/L		1.27	5.0	10/18/2008 4:04:00 AM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/18/2008 4:04:00 AM
Chlorobenzene	ND	µg/L		0.18	1.0	10/18/2008 4:04:00 AM
Chloroethane	ND	µg/L		0.94	1.0	10/18/2008 4:04:00 AM
Chloroform	ND	µg/L		0.25	1.0	10/18/2008 4:04:00 AM
Chloromethane	ND	µg/L		0.33	1.0	10/18/2008 4:04:00 AM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/18/2008 4:04:00 AM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	6.0	10/18/2008 4:04:00 AM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/18/2008 4:04:00 AM
Dibromomethane	ND	µg/L		0.29	1.0	10/18/2008 4:04:00 AM
1,2-Dichlorobenzene	ND	µg/L		0.45	1.0	10/18/2008 4:04:00 AM
1,4-Dichlorobenzene	ND	µg/L		0.29	1.0	10/18/2008 4:04:00 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: *07-Nov-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C13 **Lab ID** 0810C13-20
Client Sample ID:	SW-2	**DateReceived:**	10/16/2008
Project:	MSW LANDFILL	**Collection Date:**	10/15/2008 8:00:00 AM
Site ID:	MACON CO NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	10.0	10/18/2008 4:04:00 AM
1,1-Dichloroethane	ND	µg/L		0.38	1.0	10/18/2008 4:04:00 AM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/18/2008 4:04:00 AM
1,1-Dichloroethene	ND	µg/L		0.33	1.0	10/18/2008 4:04:00 AM
cis-1,2-Dichloroethene	ND	µg/L		0.23	1.0	10/18/2008 4:04:00 AM
trans-1,2-Dichloroethene	ND	µg/L		0.39	1.0	10/18/2008 4:04:00 AM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/18/2008 4:04:00 AM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/18/2008 4:04:00 AM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/18/2008 4:04:00 AM
Ethylbenzene	ND	µg/L		0.18	1.0	10/18/2008 4:04:00 AM
2-Hexanone	ND	µg/L		4.11	10.0	10/18/2008 4:04:00 AM
Iodomethane	ND	µg/L		3.44	10.0	10/18/2008 4:04:00 AM
Methylene chloride	ND	µg/L		0.54	1.0	10/18/2008 4:04:00 AM
4-Methyl-2-pentanone	ND	µg/L		4.40	10.0	10/18/2008 4:04:00 AM
Styrene	ND	µg/L		0.24	1.0	10/18/2008 4:04:00 AM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	1.0	10/18/2008 4:04:00 AM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/18/2008 4:04:00 AM
Tetrachloroethene	ND	µg/L		0.20	1.0	10/18/2008 4:04:00 AM
Toluene	ND	µg/L		0.17	1.0	10/18/2008 4:04:00 AM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/18/2008 4:04:00 AM
1,1,2-Trichloroethane	ND	µg/L		0.49	1.0	10/18/2008 4:04:00 AM
Trichloroethene	ND	µg/L		0.30	1.0	10/18/2008 4:04:00 AM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/18/2008 4:04:00 AM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/18/2008 4:04:00 AM
Vinyl acetate	ND	µg/L		4.87	10.0	10/18/2008 4:04:00 AM
Vinyl chloride	ND	µg/L		0.22	1.0	10/18/2008 4:04:00 AM
o-Xylene	ND	µg/L		0.19	1.0	10/18/2008 4:04:00 AM
m,p-Xylene	ND	µg/L		0.29	2.0	10/18/2008 4:04:00 AM
Surr: 1,2-Dichloroethane-d4	112	%REC			80-120	10/18/2008 4:04:00 AM
Surr: 4-Bromofluorobenzene	102	%REC			86-115	10/18/2008 4:04:00 AM
Surr: Dibromofluoromethane	108	%REC			80-120	10/18/2008 4:04:00 AM
Surr: Toluene-d8	98.1	%REC			88-110	10/18/2008 4:04:00 AM
TOTAL SUSPENDED SOLIDS			**SM2540 D**			Analyst: **GV**
Total Suspended Solids	3	mg/L		1.0	1	10/17/2008 10:00:00 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: *07-Nov-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C13 **Lab ID** 0810C13-21
Client Sample ID:	SW-3	**DateReceived:**	10/16/2008
Project:	MSW LANDFILL	**Collection Date:**	10/15/2008 1:45:00 PM
Site ID:	MACON CO NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DL**
Antimony	0.0005	mg/L	J	0.00040	0.0060	11/5/2008 6:32:43 PM
Arsenic	ND	mg/L		0.00200	0.0100	11/5/2008 6:32:43 PM
Barium	0.0434	mg/L	J	0.00100	0.100	11/5/2008 6:32:43 PM
Beryllium	ND	mg/L		0.00020	0.0010	11/5/2008 6:32:43 PM
Cadmium	ND	mg/L		0.00020	0.0010	11/5/2008 6:32:43 PM
Chromium	ND	mg/L		0.00100	0.0100	11/5/2008 6:32:43 PM
Cobalt	0.0010	mg/L	J	0.00100	0.0100	11/5/2008 6:32:43 PM
Copper	ND	mg/L		0.00100	0.0100	11/5/2008 6:32:43 PM
Lead	0.0002	mg/L	J	0.00020	0.0100	11/5/2008 6:32:43 PM
Nickel	ND	mg/L		0.00200	0.0500	11/5/2008 6:32:43 PM
Selenium	ND	mg/L		0.00300	0.0100	11/5/2008 6:32:43 PM
Silver	ND	mg/L		0.00100	0.0100	11/5/2008 6:32:43 PM
Thallium	ND	mg/L		0.00020	0.0050	11/5/2008 6:32:43 PM
Vanadium	ND	mg/L		0.00100	0.0200	11/5/2008 6:32:43 PM
Zinc	0.0096	mg/L	J	0.00300	0.0100	11/5/2008 6:32:43 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	20.0	10/18/2008 4:37:00 AM
Acrylonitrile	ND	µg/L		4.24	10.0	10/18/2008 4:37:00 AM
Benzene	ND	µg/L		0.13	1.0	10/18/2008 4:37:00 AM
Bromochloromethane	ND	µg/L		0.35	1.0	10/18/2008 4:37:00 AM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/18/2008 4:37:00 AM
Bromoform	ND	µg/L		0.40	1.0	10/18/2008 4:37:00 AM
Bromomethane	ND	µg/L		0.50	1.0	10/18/2008 4:37:00 AM
2-Butanone	ND	µg/L		4.68	10.0	10/18/2008 4:37:00 AM
Carbon disulfide	ND	µg/L		1.27	5.0	10/18/2008 4:37:00 AM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/18/2008 4:37:00 AM
Chlorobenzene	ND	µg/L		0.18	1.0	10/18/2008 4:37:00 AM
Chloroethane	ND	µg/L		0.94	1.0	10/18/2008 4:37:00 AM
Chloroform	ND	µg/L		0.25	1.0	10/18/2008 4:37:00 AM
Chloromethane	ND	µg/L		0.33	1.0	10/18/2008 4:37:00 AM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/18/2008 4:37:00 AM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	6.0	10/18/2008 4:37:00 AM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/18/2008 4:37:00 AM
Dibromomethane	ND	µg/L		0.29	1.0	10/18/2008 4:37:00 AM
1,2-Dichlorobenzene	ND	µg/L		0.45	1.0	10/18/2008 4:37:00 AM
1,4-Dichlorobenzene	ND	µg/L		0.29	1.0	10/18/2008 4:37:00 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: *07-Nov-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C13 **Lab ID** 0810C13-21
Client Sample ID:	SW-3	**DateReceived:**	10/16/2008
Project:	MSW LANDFILL	**Collection Date:**	10/15/2008 1:45:00 PM
Site ID:	MACON CO NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	10.0	10/18/2008 4:37:00 AM
1,1-Dichloroethane	ND	µg/L		0.38	1.0	10/18/2008 4:37:00 AM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/18/2008 4:37:00 AM
1,1-Dichloroethene	ND	µg/L		0.33	1.0	10/18/2008 4:37:00 AM
cis-1,2-Dichloroethene	ND	µg/L		0.23	1.0	10/18/2008 4:37:00 AM
trans-1,2-Dichloroethene	ND	µg/L		0.39	1.0	10/18/2008 4:37:00 AM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/18/2008 4:37:00 AM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/18/2008 4:37:00 AM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/18/2008 4:37:00 AM
Ethylbenzene	ND	µg/L		0.18	1.0	10/18/2008 4:37:00 AM
2-Hexanone	ND	µg/L		4.11	10.0	10/18/2008 4:37:00 AM
Iodomethane	ND	µg/L		3.44	10.0	10/18/2008 4:37:00 AM
Methylene chloride	ND	µg/L		0.54	1.0	10/18/2008 4:37:00 AM
4-Methyl-2-pentanone	ND	µg/L		4.40	10.0	10/18/2008 4:37:00 AM
Styrene	ND	µg/L		0.24	1.0	10/18/2008 4:37:00 AM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	1.0	10/18/2008 4:37:00 AM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/18/2008 4:37:00 AM
Tetrachloroethene	ND	µg/L		0.20	1.0	10/18/2008 4:37:00 AM
Toluene	ND	µg/L		0.17	1.0	10/18/2008 4:37:00 AM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/18/2008 4:37:00 AM
1,1,2-Trichloroethane	ND	µg/L		0.49	1.0	10/18/2008 4:37:00 AM
Trichloroethene	ND	µg/L		0.30	1.0	10/18/2008 4:37:00 AM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/18/2008 4:37:00 AM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/18/2008 4:37:00 AM
Vinyl acetate	ND	µg/L		4.87	10.0	10/18/2008 4:37:00 AM
Vinyl chloride	ND	µg/L		0.22	1.0	10/18/2008 4:37:00 AM
o-Xylene	ND	µg/L		0.19	1.0	10/18/2008 4:37:00 AM
m,p-Xylene	ND	µg/L		0.29	2.0	10/18/2008 4:37:00 AM
Surr: 1,2-Dichloroethane-d4	115	%REC			80-120	10/18/2008 4:37:00 AM
Surr: 4-Bromofluorobenzene	99.6	%REC			86-115	10/18/2008 4:37:00 AM
Surr: Dibromofluoromethane	110	%REC			80-120	10/18/2008 4:37:00 AM
Surr: Toluene-d8	96.2	%REC			88-110	10/18/2008 4:37:00 AM
TOTAL SUSPENDED SOLIDS			**SM2540 D**			Analyst: **GV**
Total Suspended Solids	8	mg/L		1.0	1	10/17/2008 11:30:00 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: *07-Nov-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C13 **Lab ID** 0810C13-22
Client Sample ID:	SW-4	**DateReceived:**	10/16/2008
Project:	MSW LANDFILL	**Collection Date:**	10/15/2008 1:00:00 PM
Site ID:	MACON CO NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DL**
Antimony	ND	mg/L		0.00040	0.0060	11/5/2008 6:38:30 PM
Arsenic	ND	mg/L		0.00200	0.0100	11/5/2008 6:38:30 PM
Barium	0.0381	mg/L	J	0.00100	0.100	11/5/2008 6:38:30 PM
Beryllium	ND	mg/L		0.00020	0.0010	11/5/2008 6:38:30 PM
Cadmium	ND	mg/L		0.00020	0.0010	11/5/2008 6:38:30 PM
Chromium	ND	mg/L		0.00100	0.0100	11/5/2008 6:38:30 PM
Cobalt	0.0013	mg/L	J	0.00100	0.0100	11/5/2008 6:38:30 PM
Copper	ND	mg/L		0.00100	0.0100	11/5/2008 6:38:30 PM
Lead	ND	mg/L		0.00020	0.0100	11/5/2008 6:38:30 PM
Nickel	ND	mg/L		0.00200	0.0500	11/5/2008 6:38:30 PM
Selenium	ND	mg/L		0.00300	0.0100	11/5/2008 6:38:30 PM
Silver	ND	mg/L		0.00100	0.0100	11/5/2008 6:38:30 PM
Thallium	ND	mg/L		0.00020	0.0050	11/5/2008 6:38:30 PM
Vanadium	ND	mg/L		0.00100	0.0200	11/5/2008 6:38:30 PM
Zinc	0.0053	mg/L	J	0.00300	0.0100	11/5/2008 6:38:30 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	20.0	10/18/2008 5:10:00 AM
Acrylonitrile	ND	µg/L		4.24	10.0	10/18/2008 5:10:00 AM
Benzene	ND	µg/L		0.13	1.0	10/18/2008 5:10:00 AM
Bromochloromethane	ND	µg/L		0.35	1.0	10/18/2008 5:10:00 AM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/18/2008 5:10:00 AM
Bromoform	ND	µg/L		0.40	1.0	10/18/2008 5:10:00 AM
Bromomethane	ND	µg/L		0.50	1.0	10/18/2008 5:10:00 AM
2-Butanone	ND	µg/L		4.68	10.0	10/18/2008 5:10:00 AM
Carbon disulfide	ND	µg/L		1.27	5.0	10/18/2008 5:10:00 AM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/18/2008 5:10:00 AM
Chlorobenzene	ND	µg/L		0.18	1.0	10/18/2008 5:10:00 AM
Chloroethane	ND	µg/L		0.94	1.0	10/18/2008 5:10:00 AM
Chloroform	ND	µg/L		0.25	1.0	10/18/2008 5:10:00 AM
Chloromethane	ND	µg/L		0.33	1.0	10/18/2008 5:10:00 AM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/18/2008 5:10:00 AM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	6.0	10/18/2008 5:10:00 AM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/18/2008 5:10:00 AM
Dibromomethane	ND	µg/L		0.29	1.0	10/18/2008 5:10:00 AM
1,2-Dichlorobenzene	ND	µg/L		0.45	1.0	10/18/2008 5:10:00 AM
1,4-Dichlorobenzene	ND	µg/L		0.29	1.0	10/18/2008 5:10:00 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: *07-Nov-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C13 **Lab ID** 0810C13-22
Client Sample ID:	SW-4	**DateReceived:**	10/16/2008
Project:	MSW LANDFILL	**Collection Date:**	10/15/2008 1:00:00 PM
Site ID:	MACON CO NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	10.0	10/18/2008 5:10:00 AM
1,1-Dichloroethane	ND	µg/L		0.38	1.0	10/18/2008 5:10:00 AM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/18/2008 5:10:00 AM
1,1-Dichloroethene	ND	µg/L		0.33	1.0	10/18/2008 5:10:00 AM
cis-1,2-Dichloroethene	ND	µg/L		0.23	1.0	10/18/2008 5:10:00 AM
trans-1,2-Dichloroethene	ND	µg/L		0.39	1.0	10/18/2008 5:10:00 AM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/18/2008 5:10:00 AM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/18/2008 5:10:00 AM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/18/2008 5:10:00 AM
Ethylbenzene	ND	µg/L		0.18	1.0	10/18/2008 5:10:00 AM
2-Hexanone	ND	µg/L		4.11	10.0	10/18/2008 5:10:00 AM
Iodomethane	ND	µg/L		3.44	10.0	10/18/2008 5:10:00 AM
Methylene chloride	ND	µg/L		0.54	1.0	10/18/2008 5:10:00 AM
4-Methyl-2-pentanone	ND	µg/L		4.40	10.0	10/18/2008 5:10:00 AM
Styrene	ND	µg/L		0.24	1.0	10/18/2008 5:10:00 AM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	1.0	10/18/2008 5:10:00 AM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/18/2008 5:10:00 AM
Tetrachloroethene	ND	µg/L		0.20	1.0	10/18/2008 5:10:00 AM
Toluene	ND	µg/L		0.17	1.0	10/18/2008 5:10:00 AM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/18/2008 5:10:00 AM
1,1,2-Trichloroethane	ND	µg/L		0.49	1.0	10/18/2008 5:10:00 AM
Trichloroethene	ND	µg/L		0.30	1.0	10/18/2008 5:10:00 AM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/18/2008 5:10:00 AM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/18/2008 5:10:00 AM
Vinyl acetate	ND	µg/L		4.87	10.0	10/18/2008 5:10:00 AM
Vinyl chloride	ND	µg/L		0.22	1.0	10/18/2008 5:10:00 AM
o-Xylene	ND	µg/L		0.19	1.0	10/18/2008 5:10:00 AM
m,p-Xylene	ND	µg/L		0.29	2.0	10/18/2008 5:10:00 AM
Surr: 1,2-Dichloroethane-d4	111	%REC			80-120	10/18/2008 5:10:00 AM
Surr: 4-Bromofluorobenzene	100	%REC			86-115	10/18/2008 5:10:00 AM
Surr: Dibromofluoromethane	110	%REC			80-120	10/18/2008 5:10:00 AM
Surr: Toluene-d8	96.5	%REC			88-110	10/18/2008 5:10:00 AM
TOTAL SUSPENDED SOLIDS			**SM2540 D**			Analyst: **GV**
Total Suspended Solids	4	mg/L		1.0	1	10/17/2008 11:30:00 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: *07-Nov-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C13 **Lab ID** 0810C13-23
Client Sample ID:	MW-19 DUP	**DateReceived:**	10/16/2008
Project:	MSW LANDFILL	**Collection Date:**	10/14/2008 5:20:00 PM
Site ID:	MACON CO NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DL**
Antimony	ND	mg/L		0.00040	0.0060	11/5/2008 6:44:17 PM
Arsenic	ND	mg/L		0.00200	0.0100	11/5/2008 6:44:17 PM
Barium	1.11	mg/L		0.00100	0.100	11/5/2008 6:44:17 PM
Beryllium	0.0021	mg/L		0.00020	0.0010	11/5/2008 6:44:17 PM
Cadmium	0.0005	mg/L	J	0.00020	0.0010	11/5/2008 6:44:17 PM
Chromium	0.0169	mg/L		0.00100	0.0100	11/5/2008 6:44:17 PM
Cobalt	0.0216	mg/L		0.00100	0.0100	11/5/2008 6:44:17 PM
Copper	0.0223	mg/L		0.00100	0.0100	11/5/2008 6:44:17 PM
Lead	0.0592	mg/L		0.00020	0.0100	11/5/2008 6:44:17 PM
Nickel	0.0080	mg/L	J	0.00200	0.0500	11/5/2008 6:44:17 PM
Selenium	0.0062	mg/L	J	0.00300	0.0100	11/5/2008 6:44:17 PM
Silver	0.0011	mg/L	J	0.00100	0.0100	11/5/2008 6:44:17 PM
Thallium	0.0002	mg/L	J	0.00020	0.0050	11/5/2008 6:44:17 PM
Vanadium	0.0260	mg/L		0.00100	0.0200	11/5/2008 6:44:17 PM
Zinc	0.133	mg/L		0.00300	0.0100	11/5/2008 6:44:17 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	20.0	10/17/2008 5:40:00 PM
Acrylonitrile	ND	µg/L		4.24	10.0	10/17/2008 5:40:00 PM
Benzene	ND	µg/L		0.13	1.0	10/17/2008 5:40:00 PM
Bromochloromethane	ND	µg/L		0.35	1.0	10/17/2008 5:40:00 PM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/17/2008 5:40:00 PM
Bromoform	ND	µg/L		0.40	1.0	10/17/2008 5:40:00 PM
Bromomethane	ND	µg/L		0.50	1.0	10/17/2008 5:40:00 PM
2-Butanone	ND	µg/L		4.68	10.0	10/17/2008 5:40:00 PM
Carbon disulfide	ND	µg/L		1.27	5.0	10/17/2008 5:40:00 PM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/17/2008 5:40:00 PM
Chlorobenzene	ND	µg/L		0.18	1.0	10/17/2008 5:40:00 PM
Chloroethane	ND	µg/L		0.94	1.0	10/17/2008 5:40:00 PM
Chloroform	ND	µg/L		0.25	1.0	10/17/2008 5:40:00 PM
Chloromethane	ND	µg/L		0.33	1.0	10/17/2008 5:40:00 PM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/17/2008 5:40:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	6.0	10/17/2008 5:40:00 PM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/17/2008 5:40:00 PM
Dibromomethane	ND	µg/L		0.29	1.0	10/17/2008 5:40:00 PM
1,2-Dichlorobenzene	ND	µg/L		0.45	1.0	10/17/2008 5:40:00 PM
1,4-Dichlorobenzene	ND	µg/L		0.29	1.0	10/17/2008 5:40:00 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: *07-Nov-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C13 **Lab ID** 0810C13-23
Client Sample ID:	MW-19 DUP	**DateReceived:**	10/16/2008
Project:	MSW LANDFILL	**Collection Date:**	10/14/2008 5:20:00 PM
Site ID:	MACON CO NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	10.0	10/17/2008 5:40:00 PM
1,1-Dichloroethane	ND	µg/L		0.38	1.0	10/17/2008 5:40:00 PM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/17/2008 5:40:00 PM
1,1-Dichloroethene	ND	µg/L		0.33	1.0	10/17/2008 5:40:00 PM
cis-1,2-Dichloroethene	ND	µg/L		0.23	1.0	10/17/2008 5:40:00 PM
trans-1,2-Dichloroethene	ND	µg/L		0.39	1.0	10/17/2008 5:40:00 PM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/17/2008 5:40:00 PM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/17/2008 5:40:00 PM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/17/2008 5:40:00 PM
Ethylbenzene	ND	µg/L		0.18	1.0	10/17/2008 5:40:00 PM
2-Hexanone	ND	µg/L		4.11	10.0	10/17/2008 5:40:00 PM
Iodomethane	ND	µg/L		3.44	10.0	10/17/2008 5:40:00 PM
Methylene chloride	ND	µg/L		0.54	1.0	10/17/2008 5:40:00 PM
4-Methyl-2-pentanone	ND	µg/L		4.40	10.0	10/17/2008 5:40:00 PM
Styrene	ND	µg/L		0.24	1.0	10/17/2008 5:40:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	1.0	10/17/2008 5:40:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/17/2008 5:40:00 PM
Tetrachloroethene	ND	µg/L		0.20	1.0	10/17/2008 5:40:00 PM
Toluene	ND	µg/L		0.17	1.0	10/17/2008 5:40:00 PM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/17/2008 5:40:00 PM
1,1,2-Trichloroethane	ND	µg/L		0.49	1.0	10/17/2008 5:40:00 PM
Trichloroethene	ND	µg/L		0.30	1.0	10/17/2008 5:40:00 PM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/17/2008 5:40:00 PM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/17/2008 5:40:00 PM
Vinyl acetate	ND	µg/L		4.87	10.0	10/17/2008 5:40:00 PM
Vinyl chloride	ND	µg/L		0.22	1.0	10/17/2008 5:40:00 PM
o-Xylene	ND	µg/L		0.19	1.0	10/17/2008 5:40:00 PM
m,p-Xylene	ND	µg/L		0.29	2.0	10/17/2008 5:40:00 PM
Surr: 1,2-Dichloroethane-d4	112	%REC			80-120	10/17/2008 5:40:00 PM
Surr: 4-Bromofluorobenzene	101	%REC			86-115	10/17/2008 5:40:00 PM
Surr: Dibromofluoromethane	106	%REC			80-120	10/17/2008 5:40:00 PM
Surr: Toluene-d8	95.5	%REC			88-110	10/17/2008 5:40:00 PM
TOTAL SUSPENDED SOLIDS			**SM2540 D**			Analyst: **GV**
Total Suspended Solids	683	mg/L		1.0	1	10/17/2008 11:30:00 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: *07-Nov-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C13 **Lab ID** 0810C13-24
Client Sample ID:	MW-2 DUP	**DateReceived:**	10/16/2008
Project:	MSW LANDFILL	**Collection Date:**	10/15/2008 8:45:00 AM
Site ID:	MACON CO NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DL**
Antimony	ND	mg/L		0.00040	0.0060	11/5/2008 7:13:02 PM
Arsenic	0.0105	mg/L		0.00200	0.0100	11/5/2008 7:13:02 PM
Barium	0.323	mg/L		0.00100	0.100	11/5/2008 7:13:02 PM
Beryllium	0.0003	mg/L	J	0.00020	0.0010	11/5/2008 7:13:02 PM
Cadmium	ND	mg/L		0.00020	0.0010	11/5/2008 7:13:02 PM
Chromium	0.0068	mg/L	J	0.00100	0.0100	11/5/2008 7:13:02 PM
Cobalt	0.0468	mg/L		0.00100	0.0100	11/5/2008 7:13:02 PM
Copper	0.0075	mg/L	J	0.00100	0.0100	11/5/2008 7:13:02 PM
Lead	0.0050	mg/L	J	0.00020	0.0100	11/5/2008 7:13:02 PM
Nickel	0.0074	mg/L	J	0.00200	0.0500	11/5/2008 7:13:02 PM
Selenium	ND	mg/L		0.00300	0.0100	11/5/2008 7:13:02 PM
Silver	ND	mg/L		0.00100	0.0100	11/5/2008 7:13:02 PM
Thallium	ND	mg/L		0.00020	0.0050	11/5/2008 7:13:02 PM
Vanadium	0.0128	mg/L	J	0.00100	0.0200	11/5/2008 7:13:02 PM
Zinc	0.0274	mg/L		0.00300	0.0100	11/5/2008 7:13:02 PM

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

VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	20.0	10/18/2008 5:43:00 AM
Acrylonitrile	ND	µg/L		4.24	10.0	10/18/2008 5:43:00 AM
Benzene	0.2	µg/L	J	0.13	1.0	10/18/2008 5:43:00 AM
Bromochloromethane	ND	µg/L		0.35	1.0	10/18/2008 5:43:00 AM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/18/2008 5:43:00 AM
Bromoform	ND	µg/L		0.40	1.0	10/18/2008 5:43:00 AM
Bromomethane	ND	µg/L		0.50	1.0	10/18/2008 5:43:00 AM
2-Butanone	ND	µg/L		4.68	10.0	10/18/2008 5:43:00 AM
Carbon disulfide	1.6	µg/L	J	1.27	5.0	10/18/2008 5:43:00 AM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/18/2008 5:43:00 AM
Chlorobenzene	ND	µg/L		0.18	1.0	10/18/2008 5:43:00 AM
Chloroethane	ND	µg/L		0.94	1.0	10/18/2008 5:43:00 AM
Chloroform	ND	µg/L		0.25	1.0	10/18/2008 5:43:00 AM
Chloromethane	ND	µg/L		0.33	1.0	10/18/2008 5:43:00 AM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/18/2008 5:43:00 AM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	6.0	10/18/2008 5:43:00 AM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/18/2008 5:43:00 AM
Dibromomethane	ND	µg/L		0.29	1.0	10/18/2008 5:43:00 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: *07-Nov-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C13 **Lab ID** 0810C13-24
Client Sample ID:	MW-2 DUP	**DateReceived:**	10/16/2008
Project:	MSW LANDFILL	**Collection Date:**	10/15/2008 8:45:00 AM
Site ID:	MACON CO NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
1,2-Dichlorobenzene	ND	µg/L		0.45	1.0	10/18/2008 5:43:00 AM
1,4-Dichlorobenzene	ND	µg/L		0.29	1.0	10/18/2008 5:43:00 AM
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	10.0	10/18/2008 5:43:00 AM
1,1-Dichloroethane	ND	µg/L		0.38	1.0	10/18/2008 5:43:00 AM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/18/2008 5:43:00 AM
1,1-Dichloroethene	ND	µg/L		0.33	1.0	10/18/2008 5:43:00 AM
cis-1,2-Dichloroethene	0.4	µg/L	J	0.23	1.0	10/18/2008 5:43:00 AM
trans-1,2-Dichloroethene	ND	µg/L		0.39	1.0	10/18/2008 5:43:00 AM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/18/2008 5:43:00 AM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/18/2008 5:43:00 AM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/18/2008 5:43:00 AM
Ethylbenzene	ND	µg/L		0.18	1.0	10/18/2008 5:43:00 AM
2-Hexanone	ND	µg/L		4.11	10.0	10/18/2008 5:43:00 AM
Iodomethane	ND	µg/L		3.44	10.0	10/18/2008 5:43:00 AM
Methylene chloride	ND	µg/L		0.54	1.0	10/18/2008 5:43:00 AM
4-Methyl-2-pentanone	ND	µg/L		4.40	10.0	10/18/2008 5:43:00 AM
Styrene	ND	µg/L		0.24	1.0	10/18/2008 5:43:00 AM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	1.0	10/18/2008 5:43:00 AM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/18/2008 5:43:00 AM
Tetrachloroethene	ND	µg/L		0.20	1.0	10/18/2008 5:43:00 AM
Toluene	ND	µg/L		0.17	1.0	10/18/2008 5:43:00 AM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/18/2008 5:43:00 AM
1,1,2-Trichloroethane	ND	µg/L		0.49	1.0	10/18/2008 5:43:00 AM
Trichloroethene	ND	µg/L		0.30	1.0	10/18/2008 5:43:00 AM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/18/2008 5:43:00 AM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/18/2008 5:43:00 AM
Vinyl acetate	ND	µg/L		4.87	10.0	10/18/2008 5:43:00 AM
Vinyl chloride	ND	µg/L		0.22	1.0	10/18/2008 5:43:00 AM
o-Xylene	ND	µg/L		0.19	1.0	10/18/2008 5:43:00 AM
m,p-Xylene	ND	µg/L		0.29	2.0	10/18/2008 5:43:00 AM
Surr: 1,2-Dichloroethane-d4	118	%REC			80-120	10/18/2008 5:43:00 AM
Surr: 4-Bromofluorobenzene	101	%REC			86-115	10/18/2008 5:43:00 AM
Surr: Dibromofluoromethane	113	%REC			80-120	10/18/2008 5:43:00 AM
Surr: Toluene-d8	95.9	%REC			88-110	10/18/2008 5:43:00 AM
TOTAL SUSPENDED SOLIDS			**SM2540 D**			Analyst: **GV**
Total Suspended Solids	79	mg/L		1.0	1	10/17/2008 11:30:00 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: *07-Nov-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C13 **Lab ID** 0810C13-25
Client Sample ID:	MW-3A DUP	**DateReceived:**	10/16/2008
Project:	MSW LANDFILL	**Collection Date:**	10/15/2008 11:28:00 AM
Site ID:	MACON CO NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DL**
Antimony	ND	mg/L		0.00040	0.0060	11/5/2008 7:30:16 PM
Arsenic	ND	mg/L		0.00200	0.0100	11/5/2008 7:30:16 PM
Barium	0.0486	mg/L	J	0.00100	0.100	11/5/2008 7:30:16 PM
Beryllium	ND	mg/L		0.00020	0.0010	11/5/2008 7:30:16 PM
Cadmium	ND	mg/L		0.00020	0.0010	11/5/2008 7:30:16 PM
Chromium	ND	mg/L		0.00100	0.0100	11/5/2008 7:30:16 PM
Cobalt	ND	mg/L		0.00100	0.0100	11/5/2008 7:30:16 PM
Copper	ND	mg/L		0.00100	0.0100	11/5/2008 7:30:16 PM
Lead	ND	mg/L		0.00020	0.0100	11/5/2008 7:30:16 PM
Nickel	ND	mg/L		0.00200	0.0500	11/5/2008 7:30:16 PM
Selenium	ND	mg/L		0.00300	0.0100	11/5/2008 7:30:16 PM
Silver	ND	mg/L		0.00100	0.0100	11/5/2008 7:30:16 PM
Thallium	ND	mg/L		0.00020	0.0050	11/5/2008 7:30:16 PM
Vanadium	ND	mg/L		0.00100	0.0200	11/5/2008 7:30:16 PM
Zinc	0.0081	mg/L	J	0.00300	0.0100	11/5/2008 7:30:16 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	20.0	10/18/2008 10:38:00 AM
Acrylonitrile	ND	µg/L		4.24	10.0	10/18/2008 10:38:00 AM
Benzene	ND	µg/L		0.13	1.0	10/18/2008 10:38:00 AM
Bromochloromethane	ND	µg/L		0.35	1.0	10/18/2008 10:38:00 AM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/18/2008 10:38:00 AM
Bromoform	ND	µg/L		0.40	1.0	10/18/2008 10:38:00 AM
Bromomethane	ND	µg/L		0.50	1.0	10/18/2008 10:38:00 AM
2-Butanone	ND	µg/L		4.68	10.0	10/18/2008 10:38:00 AM
Carbon disulfide	ND	µg/L		1.27	5.0	10/18/2008 10:38:00 AM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/18/2008 10:38:00 AM
Chlorobenzene	ND	µg/L		0.18	1.0	10/18/2008 10:38:00 AM
Chloroethane	ND	µg/L		0.94	1.0	10/18/2008 10:38:00 AM
Chloroform	ND	µg/L		0.25	1.0	10/18/2008 10:38:00 AM
Chloromethane	ND	µg/L		0.33	1.0	10/18/2008 10:38:00 AM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/18/2008 10:38:00 AM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	6.0	10/18/2008 10:38:00 AM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/18/2008 10:38:00 AM
Dibromomethane	ND	µg/L		0.29	1.0	10/18/2008 10:38:00 AM
1,2-Dichlorobenzene	ND	µg/L		0.45	1.0	10/18/2008 10:38:00 AM
1,4-Dichlorobenzene	ND	µg/L		0.29	1.0	10/18/2008 10:38:00 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: *07-Nov-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C13 **Lab ID** 0810C13-25
Client Sample ID:	MW-3A DUP	**DateReceived:**	10/16/2008
Project:	MSW LANDFILL	**Collection Date:**	10/15/2008 11:28:00 AM
Site ID:	MACON CO NC	**Matrix:**	GROUNDWATER

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	10.0	10/18/2008 10:38:00 AM
1,1-Dichloroethane	ND	µg/L		0.38	1.0	10/18/2008 10:38:00 AM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/18/2008 10:38:00 AM
1,1-Dichloroethene	ND	µg/L		0.33	1.0	10/18/2008 10:38:00 AM
cis-1,2-Dichloroethene	ND	µg/L		0.23	1.0	10/18/2008 10:38:00 AM
trans-1,2-Dichloroethene	ND	µg/L		0.39	1.0	10/18/2008 10:38:00 AM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/18/2008 10:38:00 AM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/18/2008 10:38:00 AM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/18/2008 10:38:00 AM
Ethylbenzene	ND	µg/L		0.18	1.0	10/18/2008 10:38:00 AM
2-Hexanone	ND	µg/L		4.11	10.0	10/18/2008 10:38:00 AM
Iodomethane	ND	µg/L		3.44	10.0	10/18/2008 10:38:00 AM
Methylene chloride	ND	µg/L		0.54	1.0	10/18/2008 10:38:00 AM
4-Methyl-2-pentanone	ND	µg/L		4.40	10.0	10/18/2008 10:38:00 AM
Styrene	ND	µg/L		0.24	1.0	10/18/2008 10:38:00 AM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	1.0	10/18/2008 10:38:00 AM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/18/2008 10:38:00 AM
Tetrachloroethene	ND	µg/L		0.20	1.0	10/18/2008 10:38:00 AM
Toluene	ND	µg/L		0.17	1.0	10/18/2008 10:38:00 AM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/18/2008 10:38:00 AM
1,1,2-Trichloroethane	ND	µg/L		0.49	1.0	10/18/2008 10:38:00 AM
Trichloroethene	ND	µg/L		0.30	1.0	10/18/2008 10:38:00 AM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/18/2008 10:38:00 AM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/18/2008 10:38:00 AM
Vinyl acetate	ND	µg/L		4.87	10.0	10/18/2008 10:38:00 AM
Vinyl chloride	ND	µg/L		0.22	1.0	10/18/2008 10:38:00 AM
o-Xylene	ND	µg/L		0.19	1.0	10/18/2008 10:38:00 AM
m,p-Xylene	ND	µg/L		0.29	2.0	10/18/2008 10:38:00 AM
Surr: 1,2-Dichloroethane-d4	112	%REC			80-120	10/18/2008 10:38:00 AM
Surr: 4-Bromofluorobenzene	100	%REC			86-115	10/18/2008 10:38:00 AM
Surr: Dibromofluoromethane	110	%REC			80-120	10/18/2008 10:38:00 AM
Surr: Toluene-d8	94.6	%REC			88-110	10/18/2008 10:38:00 AM
TOTAL SUSPENDED SOLIDS			**SM2540 D**			Analyst: **GV**
Total Suspended Solids	44	mg/L		1.0	1	10/17/2008 11:30:00 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: *07-Nov-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C13	**Lab ID**	0810C13-26
Client Sample ID:	TRIP BLANK #2	**DateReceived:**	10/16/2008		
Project:	MSW LANDFILL	**Collection Date:**	10/14/2008		
Site ID:	MACON CO NC	**Matrix:**	TRIP BLANK		

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	ND	µg/L		4.88	20.0	10/18/2008 11:11:00 AM
Acrylonitrile	ND	µg/L		4.24	10.0	10/18/2008 11:11:00 AM
Benzene	ND	µg/L		0.13	1.0	10/18/2008 11:11:00 AM
Bromochloromethane	ND	µg/L		0.35	1.0	10/18/2008 11:11:00 AM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/18/2008 11:11:00 AM
Bromoform	ND	µg/L		0.40	1.0	10/18/2008 11:11:00 AM
Bromomethane	ND	µg/L		0.50	1.0	10/18/2008 11:11:00 AM
2-Butanone	ND	µg/L		4.68	10.0	10/18/2008 11:11:00 AM
Carbon disulfide	ND	µg/L		1.27	5.0	10/18/2008 11:11:00 AM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/18/2008 11:11:00 AM
Chlorobenzene	ND	µg/L		0.18	1.0	10/18/2008 11:11:00 AM
Chloroethane	ND	µg/L		0.94	1.0	10/18/2008 11:11:00 AM
Chloroform	ND	µg/L		0.25	1.0	10/18/2008 11:11:00 AM
Chloromethane	ND	µg/L		0.33	1.0	10/18/2008 11:11:00 AM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/18/2008 11:11:00 AM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	6.0	10/18/2008 11:11:00 AM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/18/2008 11:11:00 AM
Dibromomethane	ND	µg/L		0.29	1.0	10/18/2008 11:11:00 AM
1,2-Dichlorobenzene	ND	µg/L		0.45	1.0	10/18/2008 11:11:00 AM
1,4-Dichlorobenzene	ND	µg/L		0.29	1.0	10/18/2008 11:11:00 AM
trans-1,4-Dichloro-2-butene	ND	µg/L		2.81	10.0	10/18/2008 11:11:00 AM
1,1-Dichloroethane	ND	µg/L		0.38	1.0	10/18/2008 11:11:00 AM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/18/2008 11:11:00 AM
1,1-Dichloroethene	ND	µg/L		0.33	1.0	10/18/2008 11:11:00 AM
cis-1,2-Dichloroethene	ND	µg/L		0.23	1.0	10/18/2008 11:11:00 AM
trans-1,2-Dichloroethene	ND	µg/L		0.39	1.0	10/18/2008 11:11:00 AM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/18/2008 11:11:00 AM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/18/2008 11:11:00 AM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/18/2008 11:11:00 AM
Ethylbenzene	ND	µg/L		0.18	1.0	10/18/2008 11:11:00 AM
2-Hexanone	ND	µg/L		4.11	10.0	10/18/2008 11:11:00 AM
Iodomethane	ND	µg/L		3.44	10.0	10/18/2008 11:11:00 AM
Methylene chloride	ND	µg/L		0.54	1.0	10/18/2008 11:11:00 AM
4-Methyl-2-pentanone	ND	µg/L		4.40	10.0	10/18/2008 11:11:00 AM
Styrene	ND	µg/L		0.24	1.0	10/18/2008 11:11:00 AM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	1.0	10/18/2008 11:11:00 AM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/18/2008 11:11:00 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: *07-Nov-08*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C13	**Lab ID**	0810C13-26
Client Sample ID:	TRIP BLANK #2	**DateReceived:**	10/16/2008		
Project:	MSW LANDFILL	**Collection Date:**	10/14/2008		
Site ID:	MACON CO NC	**Matrix:**	TRIP BLANK		

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Tetrachloroethene	ND	µg/L		0.20	1.0	10/18/2008 11:11:00 AM
Toluene	ND	µg/L		0.17	1.0	10/18/2008 11:11:00 AM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/18/2008 11:11:00 AM
1,1,2-Trichloroethane	ND	µg/L		0.49	1.0	10/18/2008 11:11:00 AM
Trichloroethene	ND	µg/L		0.30	1.0	10/18/2008 11:11:00 AM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/18/2008 11:11:00 AM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/18/2008 11:11:00 AM
Vinyl acetate	ND	µg/L		4.87	10.0	10/18/2008 11:11:00 AM
Vinyl chloride	ND	µg/L		0.22	1.0	10/18/2008 11:11:00 AM
o-Xylene	ND	µg/L		0.19	1.0	10/18/2008 11:11:00 AM
m,p-Xylene	ND	µg/L		0.29	2.0	10/18/2008 11:11:00 AM
Surr: 1,2-Dichloroethane-d4	107	%REC			80-120	10/18/2008 11:11:00 AM
Surr: 4-Bromofluorobenzene	102	%REC			86-115	10/18/2008 11:11:00 AM
Surr: Dibromofluoromethane	108	%REC			80-120	10/18/2008 11:11:00 AM
Surr: Toluene-d8	97.6	%REC			88-110	10/18/2008 11:11:00 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

CHAIN OF CUSTODY RECORD NO. 249243 1 of 3

REIC

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

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

CONTACT PERSON: Chris Stahl
TELEPHONE #: 828-349-2100
FAX #:
E-MAIL ADDRESS:
SITE ID & STATE: Macon Co N.C
PROJECT ID: MSW LandFill
SAMPLER: Farley/McBride/Kesterson

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	COMMENTS
MW-1A	6	10-14-08 1430	H2O	Grab			Analyze Dis Metals For Any total Metal Detections
MW-1B		1435					
MW-1D		10-15-08 0753					
MW-2		10-15-08 0842					
MW-3A		10-15 1128					
MW-5D		10-15 1106					
MW-10		10-15 1030					
MW-14		10-15 1255					
MW-15		10-15 1334					
MW-17		10-15 0926					

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
R Farley	10-16-08 0830		10-16-08 1510				
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Temperature Upon Arrival 4.6 °C	☐ FAX Results	☐ Email Results	

CHAIN OF CUSTODY RECORD NO. 249244

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:
CITY/STATE/ZIP:
BILL TO:
CITY/STATE/ZIP:
PURCHASE ORDER #
QUOTE #

CONTACT PERSON:
TELEPHONE #:
FAX #:
E-MAIL ADDRESS:
SITE ID & STATE: Macon Co N.C
PROJECT ID: MSW Land Fill
SAMPLER: Farley/McBride/Kesterson

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	COMMENTS
MW-18	6	10-15-08 0955	H20	Grab		
MW-19		10-14 1720				
MW-19A		10-15 0735				
MW-20		10-14 1640				
MW-21		10-14 1614				
MW-22		10-14 1548				
MW-22A		10-14 1553				
MW-23		10-14 1502				
SW-1		10-15 0835				
SW-2		10-15 0800				

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	10-16-08 0930	[signature]	10-16-08 930				
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Temperature Upon Arrival 4.0 °C	☐ FAX Results	☐ Email Results	

CHAIN OF CUSTODY RECORD NO. 249245 3 of 3

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:
CITY/STATE/ZIP:
BILL TO:
CITY/STATE/ZIP:
PURCHASE ORDER #
QUOTE #

CONTACT PERSON:
TELEPHONE #:
FAX #:
E-MAIL ADDRESS:
SITE ID & STATE: Macon Co N.C
PROJECT ID: MSW Land Fill
SAMPLER: Farley/McBride/Kesterson

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 VOC's	COMMENTS
SW-3	6	10-15 1345	H20	Grab	X	X		
SW-4	6	10-15 1300	↓	↓	↓	↓		
MW-19 Dup	18	10-14 1720						
MW-2 Dup	↓	10-15 0845						
MW-3A Dup	↓	10-15 1128	↓	↓	↓	↓		
Trip Blank #2	1-VOA						X	

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	10-16-09 0830	[signature]	10-16-09 [illegible]				
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Temperature Upon Arrival 4.0 °C	☐ FAX Results	☐ Email Results	

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

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

November 07, 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: MSW LANDFILL

Order No.: 0810C15

Dear Mr. Chris Stahl:

REI Consultants, Inc. received 1 sample(s) on 10/16/2008 for the analyses presented in the following report.

Please note two changes you may see on your report.

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

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

Sincerely,

Beth Johnson

Beth Johnson
Project Manager

ACCREDITED IN ACCORDANCE WITH nelac

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

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

Report Narrative

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

WO#: **0810C15**
Date: **11/7/2008**

CLIENT: MACON COUNTY SOLID WASTE MAN
Project: MSW LANDFILL

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

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

All sample results are reported on an "as-received" wet weight 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.

If you have any questions please contact the project manager whose name is listed above.

REI Consultants, Inc. **Analytical Results** **Date:** *08-Jan-09*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C15 **Lab ID** 0810C15-01
Client Sample ID:	LEACHATE	**DateReceived:**	10/16/2008
Project:	MSW LANDFILL	**Collection Date:**	10/15/2008 2:00:00 PM
Site ID:	MACON LANDFILL NC	**Matrix:**	LEACHATE

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**			Analyst: **DL**
Antimony	0.0014	mg/L	J	0.00040	0.0060	11/5/2008 9:02:24 PM
Arsenic	0.0160	mg/L		0.00200	0.0100	11/5/2008 9:02:24 PM
Barium	0.924	mg/L		0.00100	0.100	11/5/2008 9:02:24 PM
Beryllium	ND	mg/L		0.00020	0.0010	11/5/2008 9:02:24 PM
Cadmium	ND	mg/L		0.00020	0.0010	11/5/2008 9:02:24 PM
Chromium	0.0359	mg/L		0.00100	0.0100	11/5/2008 9:02:24 PM
Cobalt	0.0659	mg/L		0.00100	0.0100	11/5/2008 9:02:24 PM
Copper	0.0019	mg/L	J	0.00100	0.0100	11/5/2008 9:02:24 PM
Lead	0.0014	mg/L	J	0.00020	0.0100	11/5/2008 9:02:24 PM
Nickel	0.176	mg/L		0.00200	0.0500	11/5/2008 9:02:24 PM
Selenium	0.0099	mg/L	J	0.00300	0.0100	11/5/2008 9:02:24 PM
Silver	ND	mg/L		0.00100	0.0100	11/5/2008 9:02:24 PM
Thallium	ND	mg/L		0.00020	0.0050	11/5/2008 9:02:24 PM
Vanadium	0.0328	mg/L		0.00100	0.0200	11/5/2008 9:02:24 PM
Zinc	0.0100	mg/L		0.00300	0.0100	11/5/2008 9:02:24 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **AS**
Acetone	22.9	µg/L		4.88	20.0	10/20/2008 9:53:00 AM
Acrylonitrile	ND	µg/L		4.24	10.0	10/20/2008 9:53:00 AM
Benzene	ND	µg/L		0.13	1.0	10/20/2008 9:53:00 AM
Bromochloromethane	ND	µg/L		0.35	1.0	10/20/2008 9:53:00 AM
Bromodichloromethane	ND	µg/L		0.16	1.0	10/20/2008 9:53:00 AM
Bromoform	ND	µg/L		0.40	1.0	10/20/2008 9:53:00 AM
Bromomethane	20.1	µg/L		0.50	1.0	10/20/2008 9:53:00 AM
2-Butanone	ND	µg/L		4.68	10.0	10/20/2008 9:53:00 AM
Carbon disulfide	ND	µg/L		1.27	5.0	10/20/2008 9:53:00 AM
Carbon tetrachloride	ND	µg/L		0.25	1.0	10/20/2008 9:53:00 AM
Chlorobenzene	ND	µg/L		0.18	1.0	10/20/2008 9:53:00 AM
Chloroethane	ND	µg/L		0.94	1.0	10/20/2008 9:53:00 AM
Chloroform	ND	µg/L		0.25	1.0	10/20/2008 9:53:00 AM
Chloromethane	ND	µg/L		0.33	1.0	10/20/2008 9:53:00 AM
Dibromochloromethane	ND	µg/L		0.42	1.0	10/20/2008 9:53:00 AM
1,2-Dibromo-3-chloropropane	ND	µg/L		0.50	6.0	10/20/2008 9:53:00 AM
1,2-Dibromoethane	ND	µg/L		0.34	1.0	10/20/2008 9:53:00 AM
Dibromomethane	ND	µg/L		0.29	1.0	10/20/2008 9:53:00 AM
1,2-Dichlorobenzene	ND	µg/L		0.45	1.0	10/20/2008 9:53:00 AM
1,4-Dichlorobenzene	ND	µg/L		0.29	1.0	10/20/2008 9:53:00 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:** *08-Jan-09*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C15 **Lab ID** 0810C15-01
Client Sample ID:	LEACHATE	**DateReceived:**	10/16/2008
Project:	MSW LANDFILL	**Collection Date:**	10/15/2008 2:00:00 PM
Site ID:	MACON LANDFILL NC	**Matrix:**	LEACHATE

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	10.0	10/20/2008 9:53:00 AM
1,1-Dichloroethane	ND	µg/L		0.38	1.0	10/20/2008 9:53:00 AM
1,2-Dichloroethane	ND	µg/L		0.43	1.0	10/20/2008 9:53:00 AM
1,1-Dichloroethene	ND	µg/L		0.33	1.0	10/20/2008 9:53:00 AM
cis-1,2-Dichloroethene	ND	µg/L		0.23	1.0	10/20/2008 9:53:00 AM
trans-1,2-Dichloroethene	ND	µg/L		0.39	1.0	10/20/2008 9:53:00 AM
1,2-Dichloropropane	ND	µg/L		0.46	1.0	10/20/2008 9:53:00 AM
cis-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/20/2008 9:53:00 AM
trans-1,3-Dichloropropene	ND	µg/L		0.22	1.0	10/20/2008 9:53:00 AM
Ethylbenzene	ND	µg/L		0.18	1.0	10/20/2008 9:53:00 AM
2-Hexanone	ND	µg/L		4.11	10.0	10/20/2008 9:53:00 AM
Iodomethane	75.8	µg/L		17.2	50.0	10/22/2008 4:38:00 PM
Methylene chloride	ND	µg/L		0.54	1.0	10/20/2008 9:53:00 AM
4-Methyl-2-pentanone	ND	µg/L		4.40	10.0	10/20/2008 9:53:00 AM
Styrene	ND	µg/L		0.24	1.0	10/20/2008 9:53:00 AM
1,1,1,2-Tetrachloroethane	ND	µg/L		0.36	1.0	10/20/2008 9:53:00 AM
1,1,2,2-Tetrachloroethane	ND	µg/L		0.38	1.0	10/20/2008 9:53:00 AM
Tetrachloroethene	ND	µg/L		0.20	1.0	10/20/2008 9:53:00 AM
Toluene	ND	µg/L		0.17	1.0	10/20/2008 9:53:00 AM
1,1,1-Trichloroethane	ND	µg/L		0.35	1.0	10/20/2008 9:53:00 AM
1,1,2-Trichloroethane	ND	µg/L		0.49	1.0	10/20/2008 9:53:00 AM
Trichloroethene	ND	µg/L		0.30	1.0	10/20/2008 9:53:00 AM
Trichlorofluoromethane	ND	µg/L		0.30	1.0	10/20/2008 9:53:00 AM
1,2,3-Trichloropropane	ND	µg/L		0.36	1.0	10/20/2008 9:53:00 AM
Vinyl acetate	ND	µg/L		4.87	10.0	10/20/2008 9:53:00 AM
Vinyl chloride	ND	µg/L		0.22	1.0	10/20/2008 9:53:00 AM
o-Xylene	ND	µg/L		0.19	1.0	10/20/2008 9:53:00 AM
m,p-Xylene	ND	µg/L		0.29	2.0	10/20/2008 9:53:00 AM
Surr: 1,2-Dichloroethane-d4	112	%REC			80-120	10/20/2008 9:53:00 AM
Surr: 4-Bromofluorobenzene	102	%REC			86-115	10/20/2008 9:53:00 AM
Surr: Dibromofluoromethane	99.1	%REC			80-120	10/20/2008 9:53:00 AM
Surr: Toluene-d8	97.2	%REC			88-110	10/20/2008 9:53:00 AM
BOD, 5 DAY, 20°C			**SM5210 B**			Analyst: **JaR**
Biochemical Oxygen Demand	245	mg/L		2.0	2	10/17/2008 6:37:00 AM
CHEMICAL OXYGEN DEMAND			**E410.4**			Analyst: **DSA**
Chemical Oxygen Demand	643	mg/L		4.0	10	10/22/2008 3:10:00 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: *08-Jan-09*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**WorkOrder:**	0810C15	**Lab ID**	0810C15-01
Client Sample ID:	LEACHATE	**DateReceived:**	10/16/2008		
Project:	MSW LANDFILL	**Collection Date:**	10/15/2008 2:00:00 PM		
Site ID:	MACON LANDFILL NC	**Matrix:**	LEACHATE		

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY			**E300.0**			Analyst: **JJ**
Nitrogen, Nitrate	7.00	mg/L		0.050	0.10	10/16/2008 8:10:00 PM
ANIONS BY ION CHROMATOGRAPHY			**E300.0**			Analyst: **JJ**
Sulfate	19.5	mg/L		0.700	5.00	10/16/2008 8:10:00 PM
PHOSPHORUS			**SM4500-P BE**			Analyst: **GV**
Phosphorus, Total	0.41	mg/L		0.020	0.05	10/14/2008 9:05:00 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

REIC

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

CHAIN OF CUSTODY RECORD

NO. 249251

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: Macon Co N.C
PROJECT ID: MSW Landfill
SAMPLER: Farley - McBride / Kesterson

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 → 1 2 0 0 0 3 3

ANALYSIS REQUESTED & METHOD

SAMPLE ID	NO. & TYPE OF CONTAINERS	SAMPLING DATE / TIME	MATRIX	SAMPLE COMP / GRAB	NC Appendix I Vol	Metals	Bod	Nitrate	Sulfate	Cod	Tot Phosphorus							COMMENTS
Leachate	8	10-15-08 1400	H2O	Grab	X	X	X	X	X	X	X							

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
R Farley	10-16-08 0830	Kathy Berry	10-16-08 9:15 Am				

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Temperature Upon Arrival °C	FAX Results	Email Results
				4.0	☐	☐

Appendix D

Historical Laboratory Results

Historical Analytical Results
Macon County MSWLF
Franklin, North Carolina

	MW-1A	NC 2L	Feb-95	Mar-95	Nov-95	Apr-96	Oct-96	May-97	Oct-97	May-98	Oct-98	Apr-99	Oct-99	Apr-00	Oct-00	Apr-01	Oct-01	Apr-02	Oct-02	Apr-03	Oct-03	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Oct-06	SWSL	Apr-07	Oct-07	Apr-08	Oct-08
VOCs	Acetone	700	*	*	*	*	*	*	19	*	*	*	*	*	*	*	**1.4**	**1.6**	**2.4**	*	*	*	**4.2**	**3.5**	**3.8**	**2.5**	**2.1**	**1**	**2.3**	**2.2**	**1.8**	**1.4**
	Benzene	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1.4	1.1	2.2	*	*	5.2	5.3	*	5.6	*	5.3	**3**	4.6	5.1	3.5	4.9
	Carbon Disulfide	700	*	*	*	*	*	*	*	*	10.8	6.3	72.8	3.5	*	*	*	*	8	*	*	*	*	*	*	*	*	**100**	*	*	*	*
	Chlorobenzene	50	*	*	*	*	*	*	*	*	*	*	*	*	3.1	5.9	3.1	2.9	4.1	*	*	*	*	*	5.4	*	*	**10**	*	*	*	1.8
	Chloroethane	2800	*	*	*	*	*	*	*	*	*	*	*	*	1.4	1.2	1.8	1.8	1.9	*	*	*	*	*	*	*	*	**5**	*	*	*	1.1
	cis-1,2-Dichloroethene	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	2.2	*	*	*	6.0	*	6.7	5.8	**6.5**	**1**	**5.4**	**5.9**	**4.2**	**6.3**
	1,4-Dichlorobenzene	1.4	*	*	*	*	*	*	*	*	*	*	*	*	2.3	2.9	4.7	3.9	*	7.6	8.8	6.9	7.6	6.1	7.1	5.6	6.4	**5**	*	*	*	3.8
	1,1-Dichloroethane	70	*	*	*	*	*	*	*	*	*	*	*	*	*	6.4	5.8	*	*	*	*	*	*	*	*	*	*	**1**	*	*	*	*
	Ethylbenzene	550	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**5.8**	*	*	*	*	*	*	*	**1**	*	*	*	*
	Methylene Chloride	4.6	*	*	*	*	*	*	*	*	*	*	*	*	*	**1.1**	**1.7**	**1.8**	**2.9**	*	*	*	**3.9**	**3**	**4.6**	**2.8**	**2.7**	**1**	**2.9**	**2.2**	**1.8**	**1.8**
	Vinyl Chloride	0.015	*	*	*	*	*	*	*	*	*	*	*	*	6.3	8.2	13	12	9.2	*	*	*	*	*	*	*	*	**3**	*	*	*	*
	Xylenes, Total	530	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	39	42	5.2	*	*	*	*	*	*	*	**10**	*	*	*	*
Metals	Arsenic	50	*	*	*	*	88	*	*	12	*	12	13	17	21	27	34	*	*	750	62	47	*	*	*	*	*	**100**	*	*	*	*
	Barium	2000	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1.2	*	*	*	*	*	*	**1**	*	*	*	*
	Cadmium	1.75	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**64**	*	*	*	*	*	*	*	**10**	*	*	*	*
	Chromium	50	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	35	*	*	*	*	*	*	*	**10**	*	12.5	12.4	21.5
	Cobalt	NL	*	*	*	*	17	*	*	*	*	*	*	*	*	*	*	*	*	59	*	*	*	*	*	*	*	**10**	*	*	*	*
	Copper	1000	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**15**	*	*	**81**	*	*	*	*	*	*	*	**10**	*	*	*	*
	Lead	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	29	*	*	*	*	*	*	*	**50**	*	*	*	*
	Nickel	100	*	*	*	*	*	*	*	*	*	*	*	*	7.9	*	*	*	*	6.4	5.9	*	*	*	*	*	*	**10**	*	*	*	*
	Selenium	50	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	120	*	*	*	*	*	*	*	**20**	*	*	*	*
	Vanadium	NL	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	210	*	*	*	*	*	*	*	**10**	21.6	29.8	16.4	11.4
	Zinc	1050	13	22	*	35	39	10	*	24	43	*	25	*	11	*	21	*	10													

Notes:

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

Historical Analytical Results
Macon County MSWLF
Franklin, North Carolina

	MW-1B	NC 2L	Feb-95	Mar-95	Nov-95	Apr-96	Oct-96	May-97	Oct-97	May-98	Oct-98	Apr-99	Oct-99	Apr-00	Oct-00	Apr-01	Oct-01	Apr-02	Oct-02	Apr-03	Oct-03	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Oct-06	SWSL	Apr-07	Oct-07	Apr-08	Oct-08
VOCs	Benzene	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**1**	**1.3**	**1.7**	*	**5.2**	*	**3.1**	**3.2**	**3.6**	**2.8**	**3.0**	**1**	**2.2**	**2.3**	**1.9**	**1.5**
	Carbon Disulfide	700	*	*	*	*	*	*	*	*	3.3	4.2	3.8	3.4	*	*	*	*	17	*	*	*	*	*	*	*	*	**100**	*	*	*	*
	Chlorobenzene	50	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1.4	*	6.3	*	*	*	5.0	*	5.1	**3**	4.0	5.0	3.6	3.9
	Chloroethane	2800	*	*	*	*	*	*	*	*	*	*	*	*	1.9	4.4	2	2.5	2.3	*	*	*	*	*	*	*	*	**10**	*	*	*	1.3
	1,1-Dichloroethane	70	*	*	*	*	*	*	*	*	*	*	*	*	23	2.4	3.3	3.5	4.4	5.3	12	6.5	5.8	5.8	6.7	5.3	6.4	**5**	*	*	*	3.2
	cis-1,2-Dichloroethene	70	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1.3	1.4	1.4	*	*	*	*	*	*	*	*	**5**	*	*	*	*
	1,4-Dichlorobenzene	1.4	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1.2	*	6.4	*	*	*	5.7	5.3	**6.0**	**1**	**4.9**	**5.7**	**4.4**	**5.0**
	Methylene Chloride	4.6	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		*	**6.1**	*	*	*	*	*	*	**1**	*	*	*	*
	Ethylbenzene	550	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3.7	*	1.2	*	*	*	*	*	*	*	*	**1**	*	*	*	*
	Vinyl Chloride	0.015	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**1**	**1.4**	**1.8**	*	**5.5**	*	**2.7**	**3.0**	**3.9**	**2.9**	**3.0**	**1**	**2.7**	**2.3**	**1.8**	**1.6**
	Xylenes, Total	530	*	*	*	*	*	*	*	*	*	*	*	*	*	3.6	8.9	6.2	5.3	6	8.4	*	*	*	*	*	*	**3**	*	*	*	*
Metals	Antimony	NL	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	32	44	5.9	*	*	*	*	*	*	*	**6**	*	*	*	*
	Barium	2000	*	*	*	123	104	*	*	17	17	17	17	20	23	21	30	*	*	61	65	52	*	*	*	*	*	**100**	*	*	*	*
	Cadmium	1.75	*	*	*	*	**17**	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**1**	*	*	*	*
	Chromium	50	*	*	*	*	*	*	9	*	*	*	*	*	*	*	*	*	*	3.1	*	*	*	*	*	*	*	**10**	*	*	*	*
	Cobalt	NL	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	6.5	5	*	*	*	*	*	**10**	*	*	*	14.7
	Copper	1000	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	7.6	3.7	2.6	*	*	*	*	*	**10**	*	*	*	*
	Lead	15	*	*	*	*	*	3	4	*	*	*	*	*	*	*	13	*	*	*	*	*	*	*	*	*	*	**10**	*	*	*	*
	Selenium	50	*	*	*	*	*	*	*	*	*	*	*	*	*	*	5.3	*	*	*	7.3	*	*	*	*	*	*	**10**	*	*	*	*
	Zinc	1050	*	*	*	19	32	*	*	20	*	*	*	*	11	36	12	*	14	10	12	*	*	*	*	*	*	**10**	10.1	18.7	*	*

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

Historical Analytical Results
Macon County MSWLF
Franklin, North Carolina

	MW-1D	NC 2L	SWSL	Oct-07	Apr-08	Oct-08
VOCs	Benzene	1	**1**	**2.2**	**2.6**	**1.5**
	Carbon Disulfide	700	**100**	*	*	*
	Chlorobenzene	50	**3**	5.1	*	*
	Chloroethane	2800	**10**	*	*	2.3
	1,1-Dichloroethane	70	**5**	*	5.7	3.2
	cis-1,2-Dichloroethene	70	**5**	*	*	*
	1,4-Dichlorobenzene	1.4	**1**	**5.9**	*	**2.2**
	Methylene Chloride	4.6	**1**	*	*	*
	Ethylbenzene	550	**1**	*	*	*
	Vinyl Chloride	0.015	**1**	**2.2**	*	*
	Xylenes, Total	530	**3**	*	*	*
Metals	Antimony	NL	**6**	*	*	*
	Barium	2000	**100**	*	668	1720
	Beryllium	NL	**1**	*	2	1.3
	Cadmium	1.75	**1**	*	*	
	Chromium	50	**10**	*	22.8	**125**
	Cobalt	NL	**10**	12.5	34.5	73.4
	Copper	1000	**10**	*	10.6	64.2
	Lead	15	**10**	*	**28.3**	**22.7**
	Nickel	100	**50**	*	*	82.1
	Selenium	50	**10**	*	*	*
	Vanadium	NL	**20**	*	70.5	284
	Zinc	1050	**10**	29.8	42.9	216

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

Historical Analytical Results
Macon County MSWLF
Franklin, North Carolina

	MW-2	NC 2L	Feb-95	Mar-95	Nov-95	Apr-96	Oct-96	May-97	Oct-97	May-98	Oct-98	Apr-99	Oct-99	Apr-00	Oct-00	Apr-01	Oct-01	Apr-02	Oct-02	Apr-03	Oct-03	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Oct-06	SWSL	Apr-07	Oct-07	Apr-08	Oct-08
VOCs	Acetone	700	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	11	*	*	*	*	*	*	100	*	*	*	*
	Benzene	1	*	*	*	*	*	*	*	*	**3.6**	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	*	*	*	*
	Carbon Disulfide	700	*	*	*	*	*	*	*	*	5.7	2.5	7.7	5.9	*	*	*	*	*	*	*	*	*	*	*	*	*	100	*	*	*	*
Metals	Antimony	NL	*	*	*	*	*	*	*	*	*	*	*	*	*	2.2	*	*	*	*	*	*	*	*	*	*	*	6	*	*	*	*
	Arsenic	50	*	*	*	*	*	*	*	*	*	*	*	*	9.4	*	*	*	*	*	*	*	*	*	*	*	*	10	*	27.9	*	*
	Barium	2000	*	111	*	*	526	181	208	144	185	196	269	146	290	200	270	290	330	230	64	140	*	*	*	*	*	100	*	261	171	347
	Cadmium	1.75	*	*	*	*	*	*	*	*	2	*	1	*	*	**6.6**	4.7	*	*	*	*	**7.4**	*	*	*	*	*	1	*	*	*	*
	Chromium	50	*	*	*	*	46	*	*	10	17	6	10	7	43	2.1	6.2	11	23	5.6	*	*	*	*	*	*	*	10	*	*	*	*
	Cobalt	NL	50	44	42	37	67	26	*	40	24	37	*	31	22	27	24	32	40	24	12	24	42.2	49.1	21.6	32.7	23.7	10	30.1	30.4	29.9	46.1
	Copper	1000	*	*	*	*	27	16	*	*	*	*	*	*	11	*	11	14	29	6.4	3	4.1	*	*	*	*	*	10	*	*	*	*
	Lead	15	*	*	*	*	*	4	5	7	*	*	5	*	*	7.2	11	**17**	14	9.7	*	12	*	*	*	*	*	10	*	*	*	*
	Nickel	100	*	*	*	*	*	*	*	*	*	*	*	*	82	82	*	*	*	*	*	*	*	*	*	*	*	50	*	*	*	*
	Selenium	50	*	*	*	*	*	*	*	*	*	11	*	18	9.9	12	32	*	*	11	*	*	*	*	*	*	*	10	*	*	*	*
	Vanadium	NL	*	*	*	*	46	*	*	22	23	*	*	*	17	16	*	21	34	*	*	*	*	*	*	*	*	20	*	*	*	*
	Zinc	1050	12	18	10	42	121	29	*	64	93	29	40	*	40	42	37	41	59	17	15	*	*	*	*	*	*	10	14.2	*	*	26.3

Notes:

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

Historical Analytical Results
Macon County MSWLF
Franklin, North Carolina

	MW-3A	NC 2L	Feb-95	Mar-95	Nov-95	Apr-96	Oct-96	May-97	Oct-97	May-98	Oct-98	Apr-99	Oct-99	Apr-00	Oct-00	Apr-01	Oct-01	Apr-02	Oct-02	Apr-03	Oct-03	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Oct-06	SWSL	Apr-07	Oct-07	Apr-08	Oct-08
VOCs	Carbon Disulfide	700	*	*	*	*	*	*	*	*	5.4	*	4.1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**100**	*	*	*	*
	Acetone	700	*	*	*	57	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**100**	*	*	*	*
Metals	Barium	2000	*	110	*	*	164	49	*	35	35	39	41	39	38	47	47	67	44	63	46	42	*	*	*	*	*	**100**	*	*	*	*
	Chromium	50	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2.8	*	*	*	*	*	*	*	**10**	*	*	*	*
	Cobalt	NL	11	27	14	12	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**10**	*	*	*	*
	Copper	1000	*	*	*	*	13	*	*	*	*	*	*	*	*	*	*	*	*	7.7	2.5	2.2	*	*	*	*	*	**10**	*	*	*	*
	Lead	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**16**	**26**	*	*	*	*	*	*	*	*	*	**10**	*	*	*	*
	Selenium	50	*	*	*	*	*	*	*	*	*	*	*	*	6.4	5.5	5.5	*	*	*	5	*	*	*	*	*	*	**10**	*	*	*	*
	Zinc	1050	11	17	*	32	38	46	*	34	26	*	*	*	*	13	13	*	11	16	*	*	*	*	*	*	*	**10**	44.3	14.1	23.3	*

Notes:

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

Historical Analytical Results
Macon County MSWLF
Franklin, North Carolina

	MW-5	NC 2L	Feb-95	Mar-95	Nov-95	Apr-96	Oct-96	May-97	Oct-97	May-98	Oct-98	Apr-99	Oct-99	Apr-00	Oct-00	Apr-01	Oct-01	Apr-02	Oct-02	Apr-03	Oct-03	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Oct-06	SWSL	Apr-07	Oct-07	Apr-08	Oct-08
VOCs	Xylenes, Total	530	*	*	*	*	*	*	*	*	*	2	*	*	DRY	DRY	DRY	DRY	DRY	*	DRY	DRY	DRY	DRY	DRY	DRY	DRY	**3**	DRY	DRY	DRY	DRY
	Carbon Disulfide	700	*	*	*	*	*	*	*	*	*	*	2.3	3.1	DRY	DRY	DRY	DRY	DRY	*	DRY	DRY	DRY	DRY	DRY	DRY	DRY	**100**	DRY	DRY	DRY	DRY
Metals	Barium	2000	**2150**	1170	855	928	797	458	168	166	102	99	361	396	DRY	DRY	DRY	DRY	DRY	430	DRY	DRY	DRY	DRY	DRY	DRY	DRY	**100**	DRY	DRY	DRY	DRY
	Beryllium	NL	*	*	*	*	*	*	*	*	*	*	*	*	DRY	DRY	DRY	DRY	DRY	1	DRY	DRY	DRY	DRY	DRY	DRY	DRY	**1**	DRY	DRY	DRY	DRY
	Chromium	50	*	*	*	*	**70**	*	*	7	8	*	21	17	DRY	DRY	DRY	DRY	DRY	26	DRY	DRY	DRY	DRY	DRY	DRY	DRY	**10**	DRY	DRY	DRY	DRY
	Cobalt	NL	*	12	*	*	65	*	*	40	*	*	*	*	DRY	DRY	DRY	DRY	DRY	12	DRY	DRY	DRY	DRY	DRY	DRY	DRY	**10**	DRY	DRY	DRY	DRY
	Copper	1000	*	12	*	*	*	27	*	*	*	*	*	10	DRY	DRY	DRY	DRY	DRY	24	DRY	DRY	DRY	DRY	DRY	DRY	DRY	**10**	DRY	DRY	DRY	DRY
	Lead	15	6	5	*	*	*	9	3	*	*	*	*	*	DRY	DRY	DRY	DRY	DRY	7.5	DRY	DRY	DRY	DRY	DRY	DRY	DRY	**10**	DRY	DRY	DRY	DRY
	Nickel	100	*	*	*	*	*	*	*	*	*	*	*	11	DRY	DRY	DRY	DRY	DRY	18	DRY	DRY	DRY	DRY	DRY	DRY	DRY	**50**	DRY	DRY	DRY	DRY
	Selenium	50	*	*	*	*	*	*	*	*	*	*	*	*	DRY	DRY	DRY	DRY	DRY	5	DRY	DRY	DRY	DRY	DRY	DRY	DRY	**10**	DRY	DRY	DRY	DRY
	Vanadium	NL	*	*	*	*	134	*	*	*	*	*	30	24	DRY	DRY	DRY	DRY	DRY	36	DRY	DRY	DRY	DRY	DRY	DRY	DRY	**20**	DRY	DRY	DRY	DRY
	Zinc	1050	31	27	16	54	55	11	*	38	*	*	70	86	DRY	DRY	DRY	DRY	DRY	77	DRY	DRY	DRY	DRY	DRY	DRY	DRY	**10**	DRY	DRY	DRY	DRY

Notes:

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

Historical Analytical Results
Macon County MSWLF
Franklin, North Carolina

	MW-5D	NC 2L	Oct-07	Apr-08	Oct-08
VOCs	Xylenes, Total	530	5.8	3.7	6.1
	Methylene chloride	4.6	1.2	1.7	1.7
Metals	Barium	2000	1410	823	254
	Beryllium	NL	*	*	*
	Cadmium	1.75	*	*	**2.8**
	Chromium	50	*	17	11.9
	Cobalt	NL	17.1		*
	Copper	1000	13.2	14.6	12.7
	Lead	15	*	*	*
	Nickel	100	*	*	*
	Selenium	50	*	*	*
	Vanadium	NL	*	34.1	*
	Zinc	1050	37.2	34.2	19.2

Notes:

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

Historical Analytical Results
Macon County MSWLF
Franklin, North Carolina

	MW-10	NC 2L	Oct-99	Apr-00	Oct-00	Apr-01	Oct-01	Apr-02	Oct-02	Apr-03	Oct-03	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Oct-06	SWSL	Apr-07	Oct-07	Apr-08	Oct-08
VOCs	Carbon Disulfide	700	*	*	*	*	*	*	1.4	*	*	*	*	*	*	*	*	**100**	*	*	*	*
	cis-1,2-Dichloroethene	70	*	*	*	*	*	*	*	*	*	5.9	*	*	*	*	*	**5**	*	*	*	*
Metals	Antimony	N/L	*	*	*	*	*	*	*	28	*	*	*	*	*	*	*	**6**	*	*	*	*
	Arsenic	50	*	*	18	*	6.2	18	*	9	*	*	*	*	*	*	*	**10**	*	*	*	*
	Barium	2000	673	652	750	790	570	**2800**	280	1300	450	97	766	*	*	*	*	**100**	248	226	235	369
	Beryllium	NL	*	*	*	*	*	*	*	1.8	*	*	*	*	*	*	*	**1**	*	*	*	*
	Chromium	50	40	31	26	24	2.6	**100**	*	**100**	*	*	*	*	*	*	*	**10**	*	*	*	10.3
	Copper	1000	20	24	*	*	*	56	*	89	3.7	*	*	*	*	*	*	**10**	*	*	*	*
	Cobalt	NL	*	*	16	15	11	73	*	42	6.2	*	*	*	*	*	*	**10**	*	*	*	*
	Lead	15	7	5	*	11	**22**	**41**	*	**29**	*	*	*	*	*	*	*	**10**	*	*	*	*
	Nickel	100	20	15	20	*	*	21	*	48	*	*	*	*	*	*	*	**50**	*	*	*	*
	Selenium	50	*	*	8.7	*	6.3	*	*	11	*	*	*	*	*	*	*	**10**	*	*	*	*
	Vanadium	NL	70	55	38	16	*	160	*	170	*	*	*	*	*	*	*	**20**	*	*	*	*
	Zinc	1050	120	86	64	13	18	360	20	260	12	*	*	*	*	*	*	**10**	11.0	*	*	31.5

Notes:

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

Historical Analytical Results
Macon County MSWLF
Franklin, North Carolina

	MW-14	NC 2L	Oct-99	Apr-00	Oct-00	Apr-01	Oct-01	Apr-02	Oct-02	Apr-03	Oct-03	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Oct-06	SWSL	Apr-07	Oct-07	Apr-08	Oct-08
Metals	Antimony	NL	*	*	*	*	3.9	*	*	*	*	dry	*	*	*	*	*	**6**	*	*	*	*
	Arsenic	50	8	7	8	*	6.5	12	*	7.6	*	*	*	*	*	*	*	**10**	*	*	*	*
	Barium	2000	458	831	330	680	980	860	190	1000	330	330	*	*	*	*	*	**100**	341	119	107	*
	Beryllium	N/A	*	*	*	*	*	3.2	*	5.2	*	*	*	*	*	*	*	**1**	*	*	*	*
	Chromium	50	31	48	9.3	12	**53**	37	21	**100**	*	*	*	*	*	*	*	**10**	*	*	*	*
	Cobalt	NL	29	45	11	20	62	48	17	120	*	*	*	*	*	*	*	**10**	*	*	*	*
	Copper	1000	23	36	*	16	43	27	17	100	*	*	*	*	*	*	*	**10**	*	*	*	*
	Lead	15	**18**	**27**	7.3	**25**	**38**	**34**	6.6	**67**	7.1	7.1	*	*	*	*	*	**10**	*	*	*	*
	Nickel	100	*	22	*	*	*	12	*	56	*	*	*	*	*	*	*	**50**	*	*	*	*
	Selenium	50	5	*	5.3	*	16	*	*	17	*	*	*	*	*	*	*	**10**	*	*	*	*
	Thallium	NL	*	*	*	*	1.2	*	*	*	*	*	*	*	*	*	*	**5**	*	*	*	*
	Vanadium	NL	70	100	16	35	93	73	42	220	5.3	5.3	*	*	*	*	*	**20**	*	*	*	*
	Zinc	1050	110	166	48	100	200	*	*	380	75	75	*	*	*	*	*	**10**	84.6	*	15.6	12.4

Notes:

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

Historical Analytical Results
Macon County MSWLF
Franklin, North Carolina

	MW-15	NC 2L	Oct-99	Apr-00	Oct-00	Apr-01	Oct-01	Apr-02	Oct-02	Apr-03	Oct-03	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Oct-06	SWSL	Apr-07	Oct-07	Apr-08	Oct-08
Metals	Antimony	NL	*	*	*	*	3.9	*	*	*	*	*	*	*	*	*	*	**6**	*	*	*	*
	Arsenic	50	8	*	11	*	*	*	*	*	*	*	*	*	*	*	*	**10**	*	*	*	*
	Barium	2000	996	893	810	1200	920	1000	830	150	210	880	697	699	505	*	602	**100**	384	359	282	133
	Cadmium	1.75	*	*	*	*	3.5	*	*	*	*	3.9	*	*	*	*	*	**1**	*	*	*	*
	Chromium	50	34	8	16	14	37	26	30	8.2	*	33	*	12.6	*	*	*	**10**	*	*	*	*
	Cobalt	NL	67	48	37	52	89	74	68	16	8.3	81	35.4	53.3	18.7	20.5	43.3	**10**	16.6	*	12.7	*
	Copper	1000	37	41	30	43	83	49	81	15	4.2	63	*	*	*	*	*	**10**	13.9	*	*	*
	Lead	15	**36**	**23**	**22**	**43**	**40**	**38**	**32**	6.4	*	**38**	**23.9**	**26.5**	*	*	**18.9**	**10**	*	*	*	*
	Nickel	100	20	17	17	10	*	18	18	9.8	*	26	*	*	*	*	*	**50**	*	*	*	*
	Selenium	50	*	*	7.9	*	12	*	*	*	5.5	*	*	*	*	*	*	**10**	*	*	*	*
	Vanadium	NL	120	36	42	54	100	84	95	26	*	120	*	51.4	*	*	*	**20**	*	*	*	*
	Zinc	1050	140	80	84	140	150	150	110	38	35	110	61	72.1	*	*	63.1	**10**	40	18	20.8	23.9

Notes:

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

Historical Analytical Results
Macon County MSWLF
Franklin, North Carolina

	MW-17	NC 2L	Oct-99	Apr-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	Oct-06	Oct-07	Apr-08	Oct-08
Metals	Antimony	NL	*	*	*	*	*	*	*	8.5	*	*	*	*	*	*	*	**6**	*	*	*	*
	Arsenic	50	*	*	6	*	*	*	*	*	*	*	*	*	*	*	*	**10**	*	*	*	*
	Barium	2000	136	199	150	290	220	210	130	670	130	330	*	*	*	*	*	**100**	217	125	152	220
	Beryllium	NL	*	*	*	*	*	*	*	1.4	*	*	*	*	*	*	*	**1**	*	*	*	*
	Cadmium	5	*	*	*	*	*	*	*	*	*	3.9	*	*	*	*	*	**1**	*	*	*	*
	Chromium	50	17	25	11	25	31	25	21	**140**	*	65	28.6	23	*	*	10.3	**10**	*	*	*	13.3
	Cobalt	NL	*	*	*	*	18	25	*	56	11	26	*	12.5	*	*	10.2	**10**	15.5	*	*	13.1
	Copper	1000	16	23	*	16	25	18	16	130	7.5	62	*	*	*	*	*	**10**	12.1	*	*	14.7
	Lead	15	4	8	6.4	**18**	**20**	8	*	**44**	*	**24**	**41.6**	*	*	*	*	**10**	*	*	*	*
	Nickel	100	*	*	*	*	*	*	12	43	*	20	*	*	*	*	*	**50**	*	*	*	*
	Selenium	50	*	*	*	*	6.4	*	*	10	6.6	*	*	*	*	*	*	**10**	*	*	*	*
	Vanadium	NL	24	36	14	35	35	31	21	180	*	94	*	*	*	*	*	**20**	*	*	*	*
	Zinc	1050	65	61	31	71	140	60	37	260	31	100	84.8	55.6	*	*	52.9	**10**	54	23	24.1	65.4

Notes:

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

Historical Analytical Results
Macon County MSWLF
Franklin, North Carolina

	MW-18	NC 2L	Oct-99	Apr-00	Oct-00	Apr-01	Oct-01	Apr-02	Oct-02	Apr-03	Oct-03	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Oct-06	SWSL	Apr-07	Oct-07	Apr-08	Oct-08
VOCs	Carbon Disulfide	700	*	3.5	*	*	*	*	*	*	*	*	*	*	*	*	*	**100**	*	*	*	*
Metals	Arsenic	50	5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**10**	*	*	*	*
	Barium	2000	221	151	150	110	110	140	210	190	120	620	*	*	*	*	*	**100**	213	146	133	237
	Cadmium	1.75	*	*	*	*	*	*	*	*	*	1.8	*	*	*	*	*	**1**	*	*	*	*
	Chromium	50	13	7	6.3	2.8	3.9	*	12	11	*	48	*	14.7	*	*	13.9	**10**	*	*	*	11.1
	Copper	1000	*	*	*	*		*	*	4	2.4	14	*	*	*	*	*	**10**	*	*	*	*
	Cobalt	NL	*	22	*	*	*	*	*	*	*	14	*	*	*	*	*	**10**	*	*	*	*
	Nickel	100	*	*	*	*	*	*	*	*	*	20	*	*	*	*	*	**50**	*	*	*	*
	Lead	15	*	*	*	*	14	*	*	*	*	**16**	*	*	*	*	*	**10**	*	*	*	*
	Selenium	50	*	*	7.2	*	*	*	*	*	5.2	*	*	*	*	*	*	**10**	*	*	*	*
	Vanadium	NL	*	*	*	*	*	*	14	12	*	57	*	*	*	*	*	**20**	*	*	*	*
	Zinc	1050	50	26	23	71	*	26	27	21	*	82	*	*	*	*	68.1	**10**	24.6	29.4	*	27.8

Notes:

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

Historical Analytical Results
Macon County MSWLF
Franklin, North Carolina

	MW-19	NC 2L	Oct-99	Apr-00	Oct-00	Apr-01	Oct-01	Apr-02	Oct-02	Apr-03	Oct-03	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Oct-06	SWSL	Apr-07	Oct-07	Apr-08	Oct-08
Metals	Antimony	NL	*	*	*	*	6.5	*	*	7.8	*	*	*	*	*	*	*	6	*	*	*	*
	Arsenic	50	*	*	13	*	*	24	*	*	*	*	*	*	*	*	*	**10**	*	*	*	*
	Barium	2000	**2380**	1310	1200	1800	530	**2600**	1300	62	520	660	565	985	1060	941	819	**100**	**2650**	965	452	1170
	Beryllium	NL	*	*	4	4	*	10	*	*	*	*	*	*	*	*	*	1	2.4				2.2
	Cadmium	1.75	*	*	*	2.9	2.2	*	*	*	*	4.4	*	*	*	*	*	1	*	*	*	*
	Chromium	50	**85**	43	42	**50**	40	**100**	35	2.7	*	**61**	*	27.7	*	*	*	**10**	*	*	*	19.3
	Cobalt	NL	60	31	27	35	30	80	26	*	*	35	*	23	*	*	11.4	**10**	*	*	*	25
	Copper	1000	70	39	23	36	33	82	40	7.5	5.3	55	*	*	*	*	*	**10**	10.9			24.1
	Lead	15	**124**	**71**	**80**	**140**	**64**	**160**	**61**	*	13	**80**	**41.6**	**56.9**	**16.1**	**15**	**25.2**	**10**	**36.2**	**13.8**	**20**	**64**
	Nickel	100	30	16	27	27	*	30	*	*	*	25	*	*	*	*	*	**50**	*	*	*	*
	Selenium	50	*	*	13	*	11	*	*	*	7	*	*	*	*	*	*	**10**	*	*	*	*
	Vanadium	NL	170	77	67	98	68	200	66	*	*	120	*	58.1	*	*	*	**20**	*	*	*	31.6
	Zinc	1050	290	179	160	260	130	540	160	11	43	180	80.4	110	*	*	73.8	**10**	109	21.8	43.5	139

Notes:

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

Historical Analytical Results
Macon County MSWLF
Franklin, North Carolina

	MW-19A	NC 2L	Oct-99	Apr-00	Oct-00	Apr-01	Oct-01	Apr-02	Oct-02	Apr-03	Oct-03	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Oct-06	SWSL	Apr-07	Oct-07	Apr-08	Oct-08
VOCs	Carbon Disulfide	700	2	9	*	*	*	*	9.8	*	*	*	*	*	*	*	*	**100**	*	*	*	*
Metals	Barium	2000	49	71	27	62	53	40	40	48	740	48	*	*	*	*	*	**100**	*	10.6	*	*
	Chromium	50	*	*	*	*	*	*	*	*	2.9	*	*	*	*	*	*	**10**	*	*	*	*
	Cobalt	NL	*	*	*	*	*	*	*	*	16	*	*	*	*	*	*	**10**	*	*	*	*
	Copper	1000	*	*	*	*	14	*	*	*	13	2.4	*	*	*	*	*	**10**	*	*	*	*
	Lead	15	*	*	*	*	*	*	*	*	9	*	*	*	*	*	*	**10**	*	*	*	*
	Nickel	100	*	*	*	*	*	*	*	*	6.8	*	*	*	*	*	*	**50**	*	*	*	*
	Selenium	50	6	*	8	*	*	*	*	*	5.7	*	*	*	*	*	*	**10**	*	*	*	*
	Vanadium	NL	*	*	*	*	*	*	*	*	7.4	*	*	*	*	*	*	**20**	*	*	*	*
	Zinc	1050	290	88	17	24	25	10	29	*	45	*	*	*	*	*	*	**10**	84.7	*	*	13.2

Notes:

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

Historical Analytical Results
Macon County MSWLF
Franklin, North Carolina

	MW-20	NC 2L	Oct-99	Apr-00	Oct-00	Apr-01	Oct-01	Apr-02	Oct-02	Apr-03	Oct-03	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Oct-06	SWSL	Apr-07	Oct-07	Apr-08	Oct-08
VOCs	Carbon Disulfide	700	2.9	*	*	*	*	*	7	*	*	*	*	*	*	*	*	100	*	*	*	*
Metals	Arsenic	50	9	*	9	*	*	*	*	*	*	*	*	*	*	*	*	10	*	*	*	*
	Barium	2000	333	190	130	90	160	100	150	200	44	54	*	*	*	*	*	100	*	*	*	*
	Beryllium	NL	*	*	*	*	*	*	*	1.6	*	*	*	*	*	*	*	1	*	*	*	*
	Chromium	50	31	23	11	7.6	20	*	19	36	*	*	*	*	*	*	*	10	*	*	*	*
	Cobalt	NL	*	*	13	*	17	*	13	22	*	*	*	*	*	*	*	10	*	*	*	*
	Copper	1000	20	*	*	*	*	*	11	20	*	*	*	*	*	*	*	10	*	*	*	*
	Lead	15	**15**	7	*	*	**15**	*	5.9	**15**	*	*	*	*	*	*	*	10	*	*	*	*
	Nickel	100	*	*	*	*	*	*	*	12	*	*	*	*	*	*	*	50	*	*	*	*
	Selenium	50	*	*	6.8	*	5.8	*	*	5.5	*	*	*	*	*	*	*	10	*	*	*	*
	Vanadium	NL	80	53	25	19	40	19	42	80	*	*	*	*	*	*	*	20	*	*	*	*
	Zinc	1050	80	82	28	26	54	22	49	82	*	*	*	*	*	*	*	10	*	13.7	*	10.6

Notes:

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

Historical Anaytical Results
Macon County MSWLF
Franklin, North Carolina

MW-21		NC 2L	Oct-99	Apr-00	Oct-00	Apr-01	Oct-01	Apr-02	Oct-02	Apr-03	Oct-03	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Oct-06	SWSL	Apr-07	Oct-07	Apr-08	Oct-08
VOCs	Carbon Disulfide	700	2.1	2.9	*	*	*	*	2.1	*	*	*	*	*	*	*	*	100	*	*	*	*
Metals	Arsenic	50	*	*	7	*	*	*	*	*	*	*	*	*	*	*	*	10	*	*	*	*
	Barium	2000	94	48	72	70	78	75	80	40	51	50	*	*	*	*	*	100	*	*	*	*
	Chromium	50	5	*	*	*	3.9	*	*	3.6	*	*	*	*	*	*	*	10	*	*	*	*
	Cobalt	NL	*	*	*	*	*	*	14	*	7.3	7	*	24.4	28.6	21.2	11.3	10	11.3	*	25.5	*
	Lead	15	*	*	*	*	**17**	*	*	*	*	*	*	*	*	*	*	10	*	*	*	*
	Selenium	50	*	*	5.8	*	6.3	*	*	*	*	*	*	*	*	*	*	10	*	*	*	*
	Zinc	1050	30	32	16	14	22	18	30	10	*	*	*	*	*	*	*	10	14.4	12.3	*	*

Notes:

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

Historical Analytical Results
Macon County MSWLF
Franklin, North Carolina

	MW-22	NC 2L	Oct-99	Apr-00	Oct-00	Apr-01	Oct-01	Apr-02	Oct-02	Apr-03	Oct-03	10/03 DUP	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Oct-06	SWSL	Apr-07	Oct-07	Apr-08	Oct-08
Metals	Arsenic	50	9	6	25	*	*	27	*	5.2	*	*	*	*	*	*	*	*	**10**	*	*	*	*
	Barium	2000	1790	1250	1300	1700	350	**2100**	180	430	740	660	940	**3160**	**1330**	**1160**	982	1260	**100**	1470	371	823	1020
	Beryllium	NL	*	*	6	5	*	11	*	2.4	1.9	1.8	*	11.8	4.7	*	*	4.2	**1**	2.9	*	2.3	2.8
	Cadmium	1.75	*	*	*	7	2	*	*	*	*	*	**10**	*	*	*	*	*	**1**	*	*	*	*
	Chromium	50	**84**	**78**	**100**	**83**	34	**140**	18	**56**	18	16	11	**366**	**131**	**10.2**	*	**83.7**	**10**	12.7	*	17.4	**61.4**
	Cobalt	NL	*	*	89	100	29	130	15	40	46	42	66	244	100	32.7	31.3	86.2	**10**	39.4	*	18.9	59
	Copper	1000	100	87	80	70	35	130	19	68	36	32	99	300		*			**10**	28.8	*	14.9	54.2
	Lead	15	**29**	**28**	*	**52**	12	**48**	5.6	**20**	13	12	**33**	**104**	**45.4**	*	*	**41.7**	**10**	**22.4**	*	**23.2**	**26.7**
	Nickel	100	80	65	99	38	*	**100**	*	50	20	18	80	**226**	92.2	*	*	*	**50**	*	*	*	*
	Selenium	50	*	11	16	*	12	*	*	10	*	*	*	*	*	*	*	*	**10**	*	*	*	*
	Vanadium	NL	170	151	140	200	60	270	37	120	20	18	190	616	270	*	*	141	**20**	*	*	31.7	109
	Zinc	1050	240	193	210	240	87	340	46	120	71	65	240	672	212	57.1	*	207	**10**	74.4	29.5	39.1	153

Notes:

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

Historical Anaytical Results
Macon County MSWLF
Franklin, North Carolina

MW-22A		NC 2L	Oct-99	Apr-00	Oct-00	Apr-01	Oct-01	Apr-02	Oct-02	Apr-03	Oct-03	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Oct-06	SWSL	Apr-07	Oct-07	Apr-08	Oct-08
VOCs	Carbon Disulfide	700	12.5	25.7	*	*	*	*	7.1	*	*	*	*	*	*	*	*	**100**	*	*	*	*
Metals	Arsenic	50	*	*	*	*	*	*	*	6.2	*	*	*	*	*	*	*	**10**	*	*	*	*
	Barium	2000	67	477	74	72	82	100	85	88	72	100	*	*	*	*	*	**100**	*	*	*	*
	Beryllium	NL	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**1**	*	*	*	*
	Chromium	50	6	*	4.9	4.2	*	*	21	10	4.2	10	*	*	*	*	*	**10**	*	*	*	*
	Cobalt	NL	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**10**	*	*	*	*
	Copper	1000	*	*	*	*	*	*	*	6.1	5	6.3	*	*	*	*	*	**10**	*	*	*	*
	Lead	15	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	**10**	*	*	*	*
	Nickel	100	*	*	*	*	*	*	16	8	*	*	*	*	*	*	*	**50**	*	*	*	*
	Selenium	50	*	*	5.8	*	*	*	*	*	*	*	*	*	*	*	*	**10**	*	*	*	*
	Vanadium	NL	14	*	*	*	*	*	*	8.6	7	17	*	*	*	*	*	**20**	*	*	*	*
	Zinc	1050	54	42	26	27	38	13	22	16	15	19	*	*	*	*	*	**10**	*	*	*	*

Notes:

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

Historical Anaytical Results
Macon County MSWLF
Franklin, North Carolina

	MW-23	NC 2L	SWSL	Oct-07	Apr-08	Oct-08
VOCs	1,1-Dichlorethane	70	5	*	*	1.7
	1,4-Dichlorobenzene	1.4	1	*	**1.3**	1.1
Metals	Arsenic	50	**10**	*	*	*
	Barium	2000	**100**	128	109	150
	Beryllium	NL	1	*	*	*
	Chromium	50	**10**	*	*	*
	Cobalt	NL	**10**	*	*	*
	Copper	1000	**10**	*	*	*
	Lead	15	**10**	*	*	*
	Nickel	100	**50**	*	*	*
	Selenium	50	**10**	*	*	*
	Vanadium	NL	**20**	*	*	*
	Zinc	1050	**10**	26.4	*	21.7

Historical Analytical Results
Macon County MSWLF
Franklin, North Carolina

	SW-1	NC 2L	Oct-99	Apr-00	Oct-00	Apr-01	Oct-01	Apr-02	Oct-02	Apr-03	Oct-03	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Oct-06	SWSL	Apr-07	Oct-07	Apr-08	Oct-08
VOCs	Carbon Disulfide	700	*	*	*	*	*	*	2.6	*	*	*	*	*	*	*	*	100	*	*	*	*
Metals	Barium	2000	15	16	31	12	20	14	15	50	13	18	*	*	*	*	*	100	*	*	*	*
	Chromium	50	*	*	2.2	*	*	*	*	*	*	*	*	*	*	*	*	10	*	*	*	*
	Copper	1000	*	*	*	*	*	*	*	*	2.3	3.7	*	*	*	*	*	10	*	*	*	*
	Selenium	50	*	*	5.5	*	*	*	*	*	*	*	*	*	*	*	*	10	*	*	*	*
	Zinc	1050	*	21	16	*	22	*	12	*	11	*	*	*	*	*	*	10	20.1	21.9	*	*

	SW-2	NC 2L	Oct-99	Apr-00	Oct-00	Apr-01	Oct-01	Apr-02	Oct-02	Apr-03	Oct-03	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Oct-06	SWSL	Apr-07	Oct-07	Apr-08	Oct-08
VOCs	Carbon Disulfide	700	*	18.8	*	*	*	*	*	*	*	*	*	*	*	*	*	100	*	*	*	*
Metals	Arsenic	50	*	*	*	*	*	*	*	98	*	*	*	*	*	*	*	6	*	*	*	*
	Barium	2000	68	133	120	76	140	120	150	**5800**	48	57	*	*	*	*	*	100	*	*	*	*
	Beryllium	NL	*	*	*	*	*	*	*	14	*	*	*	*	*	*	*	1	*	*	*	*
	Cadmium	1.75	*	*	*	*	*	*	*	**61**	*	*	*	*	*	*	*	1	*	*	*	*
	Chromium	50	*	8	2.2	*	*	*	*	**640**	*	*	*	*	*	*	*	10	*	*	*	*
	Cobalt	NL	*	*	*	*	*	*	12	890	*	*	*	*	*	*	*	10	*	*	*	*
	Copper	1000	*	*	*	*	*	*	*	**1000**	*	*	*	*	*	*	*	10	*	*	*	*
	Nickel	100	*	*	*	*	*	*	*	340	*	*	*	*	*	*	*	50	*	*	*	*
	Selenium	50	*	*	12	*	*	*	*	*	*	*	*	*	*	*	*	10	*	*	*	*
	Lead	15	*	4	*	*	*	*	*	**500**	*	*	*	*	*	*	*	10	*	*	*	*
	Silver	18	*	*	*	*	*	*	*	9.9	*	*	*	*	*	*	*	10	*	*	*	*
	Vanadium	NL	*	*	*	*	*	*	*	740	*	*	*	*	*	*	*	20	*	*	*	*
	Zinc	1050	32	52	27	*	36	18	23	**2600**	*	*	*	*	*	*	*	10	*	*	*	*

	SW-3	NC 2L	Oct-99	Apr-00	Oct-00	Apr-01	Oct-01	Apr-02	Oct-02	Apr-03	Oct-03	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Oct-06	SWSL	Apr-07	Oct-07	Apr-08	Oct-08
VOCs	Carbon Disulfide	700	*	*	*	*	*	*	1.6	*	*	*	*	*	*	*	*	100	*	*	*	*
Metals	Barium	2000	32	46	32	38	34	49	38	37	79	26	*	*	*	*	*	100	*	*	*	*
	Chromium	50	*	*	*	*	*	*	*	**88**	*	*	*	*	*	*	*	10	*	*	*	*
	Copper	1000	*	*	*	*	*	*	*	7.7	3.4	3.7	*	*	*	*	*	10	*	*	*	*
	Lead	15	*	*	*	*	*	*	*	*	5.2	*	*	*	*	*	*	10	*	*	*	*
	Nickel	100	*	*	*	*	*	*	*	50	*	*	*	*	*	*	*	50	*	*	*	*
	Vanadium	NL	*	*	*	*	*	*	*	7.6	*	*	*	*	*	*	*	20	*	*	*	*
	Zinc	1050	*	*	*	*	*	*	23	26	24	*	*	*	*	*	*	10	21.3	17.6	12.3	*

	SW-4	NC 2L	Oct-99	Apr-00	Oct-00	Apr-01	Oct-01	Apr-02	Oct-02	Apr-03	Oct-03	Apr-04	Dec-04	Apr-05	Oct-05	Apr-06	Oct-06	SWSL	Apr-07	Oct-07	Apr-08	Oct-08
VOCs	Carbon Disulfide	700	23.1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	100	*	*	*	*
	Styrene	100	*	*	2	*	*	*	*	*	*	*	*	*	*	*	*	1	*	*	*	*
Metals	Barium	2000	29	49	63	39	39	40	68	36	96	27	*	*	*	*	*	100	*	*	*	*
	Chromium	50	*	*	4.4	*	*	*	*	18	2.1	*	*	*	*	*	*	10	*	*	*	*
	Cobalt	NL	*	*	*	*	*	*	*	*	7	*	*	*	*	*	*	10	*	*	*	*
	Copper	1000	*	*	35	*	*	*	*	3.9	4.6	5.2	*	*	*	*	*	10	*	*	*	*
	Nickel	100	*	*	*	*	*	*	*	12	*	*	*	*	*	*	*	50	*	*	*	*
	Selenium	50	*	*	5	*	*	*	*	*	*	*	*	*	*	*	*	10	*	*	*	*
	Lead	15	*	*	*	*	*	*	*	*	5.3	*	*	*	*	*	*	10	*	*	*	*
	Vanadium	NL	*	*	*	*	*	*	*	*	5.3	*	*	*	*	*	*	20	*	*	*	*
	Zinc	1050	40	*	110	*	*	21	20	21	24	12	*	*	*	*	*	10	*	*	*	*

Notes:

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

Appendix E

Statistical Analysis

Well	Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Copper	Cobalt	Lead	Nickel	Selenium	Vanadium	Zinc	Carbon Disulfide	cis-1,2-Dichloroethene
MW-10	Oct-99	0.0150	0.0050	0.673	0.001	0.0005	0.040	0.100	0.005	0.005	0.025	0.010	0.070	0.120	0.005	0.0025
MW-10	Apr-00	0.0150	0.0050	0.652	0.001	0.0005	0.031	0.100	0.005	0.005	0.025	0.010	0.055	0.086	0.005	0.0025
MW-10	Oct-00	0.0150	0.018	0.750	0.001	0.0005	0.026	0.100	0.016	0.005	0.025	0.010	0.020	0.064	0.005	0.0025
MW-10	Apr-01	0.0150	0.0050	0.790	0.001	0.0005	0.024	0.100	0.015	0.011	0.025	0.010	0.020	0.025	0.005	0.0025
MW-10	Oct-01	0.0150	0.0050	0.570	0.001	0.0005	0.005	0.100	0.011	0.022	0.025	0.010	0.020	0.025	0.005	0.0025
MW-10	Apr-03	0.0150	0.0050	1.30	0.001	0.0005	0.100	0.100	0.042	0.029	0.025	0.010	0.020	0.26	0.005	0.0025
MW-10	Oct-03	0.0150	0.0050	0.250	0.001	0.0005	0.005	0.100	0.005	0.005	0.025	0.010	0.020	0.025	0.005	0.0025
MW-10	Apr-04	0.0150	0.0050	0.250	0.001	0.0005	0.005	0.100	0.005	0.005	0.025	0.010	0.020	0.025	0.005	0.0059
MW-17	Oct-99	0.0150	0.0050	0.250	0.001	0.0005	0.017	0.100	0.005	0.005	0.025	0.010	0.020	0.065	0.005	0.0025
MW-17	Apr-00	0.0150	0.0050	0.250	0.001	0.0005	0.025	0.100	0.005	0.005	0.025	0.010	0.020	0.061	0.005	0.0025
MW-17	Oct-00	0.0150	0.0050	0.250	0.001	0.0005	0.011	0.100	0.005	0.005	0.025	0.010	0.020	0.025	0.005	0.0025
MW-17	Apr-01	0.0150	0.0050	0.250	0.001	0.0005	0.025	0.100	0.005	0.018	0.025	0.010	0.020	0.071	0.005	0.0025
MW-17	Oct-01	0.0150	0.0050	0.250	0.001	0.0005	0.031	0.100	0.018	0.020	0.025	0.010	0.020	0.140	0.005	0.0025
MW-17	Apr-03	0.0150	0.0050	0.670	0.001	0.0005	0.140	0.100	0.056	0.044	0.025	0.010	0.180	0.260	0.005	0.0025
MW-17	Oct-03	0.0150	0.0050	0.250	0.001	0.0005	0.005	0.100	0.011	0.005	0.025	0.010	0.020	0.025	0.005	0.0025
MW-17	Apr-04	0.0150	0.0050	0.250	0.001	0.0039	0.065	0.100	0.026	0.024	0.025	0.010	0.020	0.100	0.005	0.0025
MW-18	Oct-99	0.0150	0.0050	0.250	0.001	0.0005	0.013	0.100	0.005	0.005	0.025	0.010	0.020	0.050	0.005	0.0025
MW-18	Apr-00	0.0150	0.0050	0.250	0.001	0.0005	0.005	0.100	0.022	0.005	0.025	0.010	0.020	0.025	0.0035	0.0025
MW-18	Oct-00	0.0150	0.0050	0.250	0.001	0.0005	0.005	0.100	0.005	0.005	0.025	0.010	0.020	0.025	0.005	0.0025
MW-18	Apr-01	0.0150	0.0050	0.250	0.001	0.0005	0.005	0.100	0.005	0.005	0.025	0.010	0.020	0.071	0.005	0.0025
MW-18	Oct-01	0.0150	0.0050	0.250	0.001	0.0005	0.005		0.005	0.014	0.025	0.010	0.020	0.025	0.005	0.0025
MW-18	Apr-03	0.0150	0.0050	0.250	0.001	0.0005	0.011	0.100	0.005	0.005	0.025	0.010	0.020	0.025	0.005	0.0025
MW-18	Oct-03	0.0150	0.0050	0.250	0.001	0.0005	0.005	0.100	0.005	0.005	0.025	0.010	0.020	0.025	0.005	0.0025
MW-18	Apr-04	0.0150	0.0050	0.620	0.001	0.0018	0.048	0.100	0.014	0.016	0.025	0.010	0.057	0.082	0.005	0.0025
MW-10	Dec-04	0.0150	0.0050	0.766	0.001	0.0005	0.005	0.100	0.0118	0.005	0.025	0.010	0.020	0.025	0.005	0.0025
MW-17	Dec-04	0.0150	0.0050	0.250	0.001	0.0005	0.0286	0.100	0.0133	0.0122	0.025	0.010	0.020	0.0848	0.005	0.0025
MW-18	Dec-04	0.0150	0.0050	0.250	0.001	0.0005	0.0190	0.100	0.005	0.005	0.025	0.010	0.020	0.025	0.005	0.0025
MW-10	Apr-05	0.0150	0.0050	0.250	0.001	0.0005	0.005	0.100	0.005	0.005	0.025	0.010	0.020	0.025	0.005	0.0025
MW-17	Apr-05	0.0150	0.0050	0.250	0.001	0.0005	0.0230	0.100	0.0125	0.005	0.025	0.010	0.020	0.0556	0.005	0.0025
MW-18	Apr-05	0.0150	0.0050	0.250	0.001	0.0005	0.0147	0.100	0.005	0.005	0.025	0.010	0.020	0.025	0.005	0.0025
MW-10	Oct-05	0.0150	0.0050	0.250	0.001	0.0005	0.005	0.100	0.005	0.005	0.025	0.010	0.020	0.025	0.005	0.0025
MW-17	Oct-05	0.0150	0.0050	0.250	0.001	0.0005	0.005	0.100	0.005	0.005	0.025	0.010	0.020	0.025	0.005	0.0025
MW-18	Oct-05	0.0150	0.0050	0.250	0.001	0.0005	0.005	0.100	0.005	0.005	0.025	0.010	0.020	0.025	0.005	0.0025
MW-10	Apr-06	0.0150	0.0050	0.250	0.001	0.0005	0.005	0.100	0.005	0.005	0.025	0.010	0.020	0.025	0.005	0.0025
MW-17	Apr-06	0.0150	0.0050	0.250	0.001	0.0005	0.005	0.100	0.005	0.005	0.025	0.010	0.020	0.025	0.005	0.0025
MW-18	Apr-06	0.0150	0.0050	0.250	0.001	0.0005	0.005	0.100	0.005	0.005	0.025	0.010	0.020	0.025	0.005	0.0025
MW-10	Oct-06	0.0150	0.0050	0.250	0.001	0.0005	0.005	0.100	0.005	0.005	0.025	0.010	0.020	0.025	0.005	0.0025
MW-17	Oct-06	0.0150	0.0050	0.250	0.001	0.0005	0.0103	0.100	0.0102	0.005	0.025	0.010	0.020	0.0529	0.005	0.0025
MW-18	Oct-06	0.0150	0.0050	0.250	0.001	0.0005	0.0139	0.100	0.005	0.005	0.025	0.010	0.020	0.0681	0.005	0.0025
MW-10	Apr-07	0.0030	0.0050	0.248	0.0005	0.0005	0.0050	0.005	0.005	0.005	0.025	0.005	0.010	0.0110	0.050	0.0025
MW-17	Apr-07	0.0030	0.0050	0.217	0.0005	0.0005	0.0050	0.0121	0.0155	0.005	0.025	0.005	0.010	0.0540	0.050	0.0025
MW-18	Apr-07	0.0030	0.0050	0.213	0.0005	0.0005	0.0050	0.005	0.005	0.005	0.025	0.005	0.010	0.0246	0.050	0.0025
MW-10	Oct-07	0.0030	0.0050	0.226	0.0005	0.0005	0.0050	0.005	0.005	0.005	0.025	0.005	0.010	0.005	0.050	0.0025
MW-17	Oct-07	0.0030	0.0050	0.125	0.0005	0.0005	0.0050	0.005	0.005	0.005	0.025	0.005	0.010	0.0230	0.050	0.0025
MW-18	Oct-07	0.0030	0.0050	0.146	0.0005	0.0005	0.0050	0.005	0.005	0.005	0.025	0.005	0.010	0.0294	0.050	0.0025
MW-10	Apr-08	0.0030	0.0050	0.235	0.0005	0.0005	0.0050	0.005	0.005	0.005	0.025	0.005	0.010	0.005	0.050	0.0025
MW-17	Apr-08	0.0030	0.0050	0.152	0.0005	0.0005	0.0050	0.005	0.005	0.005	0.025	0.005	0.010	0.0241	0.050	0.0025
MW-18	Apr-08	0.0030	0.0050	0.133	0.0005	0.0005	0.0050	0.005	0.005	0.005	0.025	0.005	0.010	0.005	0.050	0.0025
MW-10	Oct-08	0.0030	0.0050	0.369	0.0005	0.0005	0.0103	0.005	0.005	0.005	0.025	0.005	0.010	0.0315	0.050	0.0025
MW-17	Oct-08	0.0030	0.0050	0.220	0.0005	0.0005	0.0133	0.0147	0.0131	0.005	0.025	0.005	0.010	0.0654	0.050	0.0025
MW-18	Oct-08	0.0030	0.0050	0.237	0.0005	0.0005	0.0111	0.005	0.005	0.005	0.025	0.005	0.010	0.0278	0.050	0.0025
PQL		0.030	0.010	0.500	0.002	0.001	0.010	0.200	0.010	0.010	0.050	0.020	0.040	0.050	0.010	0.005
SWSL		0.006	0.010	0.100	0.001	0.001	0.010	0.010	0.010	0.010	0.050	0.010	0.020	0.010	0.100	0.005
# Obs.		51	51	51	51	51	51	50	51	51	51	51	51	51	51	51
# NDs		51	50	30	51	49	27	48	35	41	51	51	47	25	50	50
% NDs		100%	98%	59%	100%	96%	53%	96%	69%	80%	100%	100%	92%	49%	98%	98%
Method		Nonparametric	Nonparametric	Nonparametric	Nonparametric	Nonparametric	Nonparametric	Nonparametric	Nonparametric	Nonparametric	Nonparametric	Nonparametric	Nonparametric	Adjustment	Nonparametric	Nonparametric
Limit		0.030	0.018	1.30	0.002	0.0039	0.140	0.200	0.056	0.044	0.050	0.020	0.180	0.260	0.010	0.006