RCO 1798 P0172

Municipal Solid Waste Landfill

Macon County, North Carolina
Permit No. 57-03

MAR 06 2006

Water Quality Monitoring Program
2nd Semi-Annual 2005 Report

February 2006

REIC

RESEARCH ENVIRONMENTAL & INDUSTRIAL CONSULTANTS, INC.

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

Respectfully submitted,

2-27-06

Michael P. Hofe, PE (NC #028029)
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1.0 EXECUTIVE SUMMARY

REI Consultants, Inc. (REIC) has prepared the 2nd Semi-Annual Water Quality Monitoring Report for 2005 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 11, 2005. Groundwater samples were collected from fifteen (15) 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 (PQLs) in wells MW-1A and MW-1B; VOCs were not detected in any other sample. A summary of the VOCs detected above PQLs is given in the following table:

Parameter	**Monitoring Well**
Benzene	MW-1A, MW-1B
Chlorobenzene	MW-1A, MW-1B
Chloroethane	MW-1A
1,4-Dichlorobenzene	MW-1A, MW-1B
1,1-Dichloroethane	MW-1A, MW-1B
Vinyl Chloride	MW-1A, MW-1B

Of the VOC detections in wells MW-1A and MW-1B, only benzene and vinyl chloride were detected above North Carolina groundwater quality standards. Statistical analysis of analytical results for metals yielded no elevations. Lead was detected

above the North Carolina groundwater standard in well MW-19; however, background levels of lead have also been greater than the standard.

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 13 feet/year.

2.0 INTRODUCTION

REI Consultants, Inc. (REIC) has prepared the 2nd Semi-Annual Water Quality Monitoring Report for 2005 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-5, 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-5, 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. The facility is currently in detection monitoring; all wells are sampled semi-annually for North Carolina Appendix I parameters.

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 2005 monitoring event, field sampling was performed on October 11, 2005. Samples were collected from all of the above locations with the exception of well MW-5, which was dry.

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.

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 13 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 with the exception of well MW-5, which was dry. 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 and MW-1B; benzene and vinyl chloride exceeded North Carolina groundwater standards in both wells. No VOCs were detected in any other sample. Lead was detected above the North Carolina groundwater standard in well MW-19. 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.

5.0 STATISTICAL ANALYSIS

A statistical analysis was conducted for the 2nd semi-annual 2005 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, 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, 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.

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

Parameter	**Monitoring Well**
Benzene	MW-1A, MW-1B
Chlorobenzene	MW-1A, MW-1B
Chloroethane	MW-1A
1,4-Dichlorobenzene	MW-1A, MW-1B
1,1-Dichloroethane	MW-1A, MW-1B
Vinyl Chloride	MW-1A, MW-1B

Statistical analysis of analytical results for metals yielded no elevations. Statistical data is included in Appendix D.

6.0 CONCLUSIONS AND RECOMMENDATIONS

- The 2nd semi-annual 2005 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 13 feet/year.

- VOCs were not detected in any of the samples with the exception of wells MW-1A and MW-1B.

- Benzene and vinyl chloride exceeded North Carolina groundwater standards in wells MW-1A and MW-1B.

- No metals were statistically elevated in any of the samples.

- Lead exceeded the North Carolina groundwater standard in well MW-19; however, background levels of lead have also been greater than the groundwater standard.

7.0 Figure

Appendix A

Groundwater Flow Rate

Flow Path

X	Y	Distance (ft)
2584.0	-637.0	
2608.9	-582.7	59.7
2636.8	-536.1	54.3
2666.3	-484.8	59.2
2714.4	-408.8	89.9
2745.5	-365.3	53.5
2781.2	-312.5	63.7
2810.7	-264.4	56.4
2846.4	-196.1	77.1
2858.8	-165.0	33.5
2871.2	-124.6	42.3
2893.0	-42.4	85.0
2914.7	36.8	82.1
2934.9	80.3	48.0
2950.4	106.7	30.6
2972.2	130.0	31.9

Horizontal Distance	867.3	ft
Vertical Difference	60	ft

Hydraulic gradient, I	0.069 ft/ft
K	4.9E-05 cm/sec
n_{eff}	0.27
$V = KI/n_{eff}$	13 ft/yr

Appendix B

Field Sample Logs

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name: MSW Landfill **Project :** 2nd Semi 2005 **Well #:** MW-1A

Contact Person: Chris Stahl **Phone #:** (828) 349-2185

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: 10-11-05 1105 **Weather Conditions:** Cloudy 70°F

Static Depth (Depth to Water)	7.57 (Ft)	Volume	13.62 (Liters)
Well Depth	31.10 (Ft)	3 Volumes	40.87 (Liters)
Water Column Height	23.53 (Ft)	Volume Purged	41 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1123	5.67	154.5	19.8	3.66	1
1125	5.49	155.2	18.4	3.03	8
1127	5.46	158.9	16.3	4.21	16
1129	5.44	159.9	15.8	2.19	24
1130	5.41	160.3	15.7	2.82	32
1132	5.42	159.8	15.5	2.28	40
1133		Finished Purging			41

SAMPLING DATA

Date: 10-11-05 **Time:** 1038

Method: Teflon Bailer **Sampling Depth:** 7.59'

pH: 5.40 **Conductivity:** 160.0 (umhos/cm)

Temperature: 16.7 (°C) **Turbidity:** 1.67 (NTU)

Odor and Physical Appearance of Sample: Clear, no odor

Comments:

Sampled By: R. Farley/A. McBride/M. Lester

Sampler's Signature: Allen McBride **Date:** 10-11-05

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name: MSW Landfill **Project :** 2nd Semi 2005 **Well #:** MW-1B

Contact Person: Chris Stahl **Phone #:** (828) 349-2185

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: 10-11-05 1107 **Weather Conditions:** Cloudy 70°F

Static Depth (Depth to Water)	7.59 (Ft)	Volume	5.70 (Liters)
Well Depth	17.45 (Ft)	3 Volumes	17.12 (Liters)
Water Column Height	9.86 (Ft)	Volume Purged	18 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1110	5.55	152.1	21.0	5.94	1
1111	5.43	151.7	18.9	1.92	3
1112	5.44	153.4	17.7	7.64	6
1114	5.47	158.2	17.7	11.34	9
1115	5.47	156.2	16.8	8.57	12
1116	5.47	153.2	16.5	10.53	15
1117		Finished Purging			18

SAMPLING DATA

Date: 10-11-05 **Time:** 1119

Method: Teflon Bailer **Sampling Depth:** 7.59'

pH: 5.49 **Conductivity:** 154.4 (umhos/cm)

Temperature: 17.0 (°C) **Turbidity:** 11.00 (NTU)

Odor and Physical Appearance of Sample: Clear, no odor

Comments:

Sampled By: R. Farley/A. McBride/M. Lester

Sampler's Signature: Allen McBride **Date:** 10-11-05

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name: MSW Landfill **Project :** 2nd Semi 2005 **Well #:** MW-2

Contact Person: Chris Stahl **Phone #:** (828) 349-2185

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: 10-11-05 1142 **Weather Conditions:** Cloudy 75°F

Static Depth (Depth to Water)	12.47 (Ft)	Volume	4.44 (Liters)
Well Depth	20.15 (Ft)	3 Volumes	13.34 (Liters)
Water Column Height	7.68 (Ft)	Volume Purged	14 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1147	5.90	393	18.9	1.57	1
1148	5.98	461	17.9	94.6	3
1149	6.02	472	17.7	184	5
1150	6.02	470	17.6	123	7
1151	6.10	535	17.4	>200	9
1152	6.10	540	17.0	>200	11
1154		Finished Purging			14

SAMPLING DATA

Date: 10-11-05 **Time:** 1200

Method: Teflon Bailer **Sampling Depth:** 14.37'

pH: 6.05 **Conductivity:** 480 (umhos/cm)

Temperature: 19.0 (°C) **Turbidity:** 49.5 (NTU)

Odor and Physical Appearance of Sample: Cloudy, no odor

Comments:

Sampled By: R. Farley/A. McBride/M. Lester

Sampler's Signature: Allen McBride **Date:** 10-11-05

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name: MSW Landfill **Project :** 2nd Semi 2005 **Well #:** MW-3A

Contact Person: Chris Stahl **Phone #:** (828) 349-2185

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: 10-11-05 1503 **Weather Conditions:** Sunny 75°F

Static Depth (Depth to Water)	59.70 (Ft)	Volume	4.58 (Liters)
Well Depth	67.62 (Ft)	3 Volumes	13.75 (Liters)
Water Column Height	7.92 (Ft)	Volume Purged	14 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1505	5.74	25.6	18.6	2.14	1
1507	5.60	26.1	17.3	4.98	3
1508	5.56	26.1	16.7	3.92	5
1510	5.43	26.0	16.4	3.27	7
1511	5.51	26.6	16.2	3.48	9
1513	5.50	26.4	16.2	4.51	11
1515		Finished Purging			14

SAMPLING DATA

Date: 10-11-05 **Time:** 1518

Method: Teflon Bailer **Sampling Depth:** 59.72'

pH: 5.36 **Conductivity:** 26.3 (umhos/cm)

Temperature: 17.1 (°C) **Turbidity:** 3.65 (NTU)

Odor and Physical Appearance of Sample: Clear, no odor

Comments:

Sampled By: R. Farley/A. McBride/M. Lester

Sampler's Signature: Allen McBride **Date:** 10-11-05

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name: MSW Landfill **Project :** 2nd Semi 2005 **Well #:** MW-5

Contact Person: Chris Stahl **Phone #:** (828) 349-2185

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: 10-11-05 **Weather Conditions:** Sunny 75°F

Static Depth (Depth to Water)	54.37 (Ft)	Volume	0.48 (Liters)
Well Depth	55.20 (Ft)	3 Volumes	1.44 (Liters)
Water Column Height	0.83 (Ft)	Volume Purged	0 (Liters)

EVACUATION/STABILIZATION TEST DATA

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

SAMPLING DATA

Date: **Time:**

Method: **Sampling Depth:**

pH: **Conductivity:** (umhos/cm)

Temperature: (°C) **Turbidity:** (NTU)

Odor and Physical Appearance of Sample:

Comments: Did not sample

Sampled By: A. McBride

Sampler's Signature: Allen McBride **Date:** 10-11-05

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name: MSW Landfill **Project :** 2nd Semi 2005 **Well #:** MW-10

Contact Person: Chris Stahl **Phone #:** (828) 349-2185

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: 11-11-05 1346 **Weather Conditions:** Cloudy 80°F

Static Depth (Depth to Water)	54.50 (Ft)	Volume	7.58 (Liters)
Well Depth	67.60 (Ft)	3 Volumes	22.75 (Liters)
Water Column Height	13.10 (Ft)	Volume Purged	12 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1358	5.36	123.2	17.7	15.08	1
1359	5.26	125.3	16.3	>200	4
1402	5.30	135.9	15.3	>200	8
1404	5.45	125.9	15.1	>200	12
1404		Purged Dry			12

SAMPLING DATA

Date: 10-11-05 **Time:** 1430

Method: Teflon Bailer **Sampling Depth:** 57.95'

pH: 5.28 **Conductivity:** 126.6 (umhos/cm)

Temperature: 16.2 (°C) **Turbidity:** >200 (NTU)

Odor and Physical Appearance of Sample: Cloudy, no odor

Comments:

Sampled By: R. Farley/A. McBride/M. Lester

Sampler's Signature: Allen McBride **Date:** 10-11-05

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REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name: MSW Landfill **Project :** 2nd Semi 2005 **Well #:** MW-14

Contact Person: Chris Stahl **Phone #:** (828) 349-2185

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: 10-11-05 1612 **Weather Conditions:** Sunny 80°F

Static Depth (Depth to Water)	34.71 (Ft)	Volume	4.55 (Liters)
Well Depth	42.57 (Ft)	3 Volumes	13.65 (Liters)
Water Column Height	7.86 (Ft)	Volume Purged	6 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1614	4.98	13.02	17.1	>200	1
1615	5.13	15.38	15.7	>200	3
1617	5.16	14.97	15.0	>200	6
1617		Purged Dry			6

SAMPLING DATA

Date: 10-11-05 **Time:** 1628

Method: Teflon Bailer **Sampling Depth:** 39.41'

pH: 5.53 **Conductivity:** 19.26 (umhos/cm)

Temperature: 15.7 (°C) **Turbidity:** >200 (NTU)

Odor and Physical Appearance of Sample: Cloudy, no odor

Comments:

Sampled By: R. Farley/A. McBride/M. Lester

Sampler's Signature: **Date:** 10-11-05

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name:	MSW Landfill	**Project :** 2nd Semi 2005	**Well #:** MW-15
Contact Person:	Chris Stahl	**Phone #:** (828) 349-2185	

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: 10-11-05 1700 **Weather Conditions:** Sunny 80°F

Static Depth (Depth to Water)	13.50 (Ft)	Volume	2.58 (Liters)
Well Depth	17.97 (Ft)	3 Volumes	7.76 (Liters)
Water Column Height	4.47 (Ft)	Volume Purged	8 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1701	4.93	23.7	18.0	38.3	1
1702	4.48	34.5	17.1	>200	2
1703	4.61	35.7	15.9	>200	3
1704	4.49	48.3	15.7	>200	4
1705	4.46	56.5	15.6	>200	5
1707	4.44	61.4	15.9	>200	6
1708		Finished Purging			8

SAMPLING DATA

Date:	10-11-05	**Time:**	1712	
Method:	Teflon Bailer	**Sampling Depth:**	1398	
pH:	4.46	**Conductivity:**	69.1	(umhos/cm)
Temperature:	15.9 (°C)	**Turbidity:**	>200	(NTU)

Odor and Physical Appearance of Sample: Muddy, no odor

Comments:

Sampled By: A. McBride/M. Lester

Sampler's Signature: Allen McBride **Date:** 10-11-05

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name: MSW Landfill **Project :** 2nd Semi 2005 **Well #:** MW-17

Contact Person: Chris Stahl **Phone #:** (828) 349-2185

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: 10-11-05 1240 **Weather Conditions:** Cloudy 75°F

Static Depth (Depth to Water)	65.78 (Ft)	Volume	10.14 (Liters)
Well Depth	83.30 (Ft)	3 Volumes	30.43 (Liters)
Water Column Height	17.52 (Ft)	Volume Purged	31 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1245	5.22	80.2	18.7	26.2	1
1248	5.17	101.5	16.0	>200	5
1250	5.16	92.9	15.3	>200	10
1252	5.15	102.8	15.4	>200	15
1256	5.23	101.8	15.3	>200	20
1258	5.15	105.9	15.2	>200	25
1300		Finished Purging			31

SAMPLING DATA

Date: 10-11-05 **Time:** 1307

Method: Teflon Bailer **Sampling Depth:** 68.47'

pH: 5.18 **Conductivity:** 101.2 (umhos/cm)

Temperature: 16.3 (°C) **Turbidity:** >200 (NTU)

Odor and Physical Appearance of Sample: Cloudy, no odor

Comments:

Sampled By: R. Farley/A. McBride/M. Lester

Sampler's Signature: Allen McBride **Date:** 10-11-05

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name: MSW Landfill **Project :** 2nd Semi 2005 **Well #:** MW-18

Contact Person: Chris Stahl **Phone #:** (828) 349-2185

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: 10-11-05 1312 **Weather Conditions:** Cloudy 75°F

Static Depth (Depth to Water)	49.75 (Ft)	Volume	7.13 (Liters)
Well Depth	62.08 (Ft)	3 Volumes	21.41 (Liters)
Water Column Height	12.33 (Ft)	Volume Purged	22 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1319	5.88	66.6	18.4	10.19	1
1320	5.87	73.7	16.8	146	4
1322	5.91	66.7	16.8	>200	8
1324	5.90	63.9	15.8	>200	12
1325	5.91	64.9	15.9	>200	16
1327	5.96	63.0	16.7	>200	20
1328		Finished Purging			22

SAMPLING DATA

Date: 10-11-05 **Time:** 1325

Method: Teflon Bailer **Sampling Depth:** 52.95'

pH: 6.04/Dupe 5.98 **Conductivity:** 62.0/Dupe 63.1 (umhos/cm)

Temperature: 19.7/Dupe 19.6 (°C) **Turbidity:** >200/Dupe >200 (NTU)

Odor and Physical Appearance of Sample: Cloudy, no odor

Comments:

Sampled By: R. Farley/A. McBride/M. Lester

Sampler's Signature: Allen McBride **Date:** 10-11-05

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name: MSW Landfill **Project :** 2nd Semi 2005 **Well #:** MW-19

Contact Person: Chris Stahl **Phone #:** (828) 349-2185

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: 10-11-05 0815 **Weather Conditions:** Cloudy, 65°F

Static Depth (Depth to Water)	20.18 (Ft)	Volume	3.25 (Liters)
Well Depth	25.80 (Ft)	3 Volumes	9.76 (Liters)
Water Column Height	5.62 (Ft)	Volume Purged	10 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
0824	5.32	38.1	15.5	>200	1
0825	5.16	38.7	15.2	>200	3
0826	5.03	38.3	15.1	>200	5
0827	5.03	37.8	15.0	>200	7
0828	4.97	37.5	15.1	>200	9
0828		Finished Purging			10

SAMPLING DATA

Date: 10-11-05 **Time:** 0833

Method: Teflon Bailer **Sampling Depth:** 20.31'

pH: 5.03 **Conductivity:** 37.3 (umhos/cm)

Temperature: 15.4 (°C) **Turbidity:** >200 (NTU)

Odor and Physical Appearance of Sample: Muddy, no odor

Comments:

Sampled By: R. Farley/A. McBride/M. Lester

Sampler's Signature: Allen McBride **Date:** 10-11-05

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name: MSW Landfill **Project :** 2nd Semi 2005 **Well #:** MW-19A

Contact Person: Chris Stahl **Phone #:** (828) 349-2185

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: 10-11-05 0803 **Weather Conditions:** Cloudy 65°F

Static Depth (Depth to Water)	19.45 (Ft)	Volume	21.79 (Liters)
Well Depth	57.09 (Ft)	3 Volumes	65.38 (Liters)
Water Column Height	37.64 (Ft)	Volume Purged	26 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
0810	6.62	63.3	16.8	4.08	1
0814	6.33	62.5	15.3	7.94	12
0819	6.65	62.1	15.0	15.22	24
0820		Purged Dry			26

SAMPLING DATA

Date: 10-11-05 **Time:** 1555

Method: Teflon Bailer **Sampling Depth:** 44.25'

pH: 6.37 **Conductivity:** 46.4 (umhos/cm)

Temperature: 17.8 (°C) **Turbidity:** 1.21 (NTU)

Odor and Physical Appearance of Sample: Clear, no odor

Comments:

Sampled By: R. Farley/A. McBride/M. Lester

Sampler's Signature: Allen McBride **Date:** 10-11-05

REI CONSULTANT'S GROUNDWATER SAMPLING LOG

Project Name: MSW Landfill **Project :** 2nd Semi 2005 **Well #:** MW-20

Contact Person: Chris Stahl **Phone #:** (828) 349-2185

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: 10-11-05 0858 **Weather Conditions:** Cloudy 65°F

Static Depth (Depth to Water)	12.62 (Ft)	Volume	6.02 (Liters)
Well Depth	23.03 (Ft)	3 Volumes	18.08 (Liters)
Water Column Height	10.41 (Ft)	Volume Purged	18 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
0902	4.53	45.5	18.2	5.03	1
0904	4.59	42.8	17.9	40.5	3
0905	4.62	39.5	17.6	59.0	6
0906	4.65	40.1	17.5	72.2	9
0907	4.65	37.9	17.4	77.8	12
0909	4.70	37.6	17.3	75.5	15
0910		Finished Purging			18

SAMPLING DATA

Date: 10-11-05 **Time:** 0915

Method: Teflon Bailer **Sampling Depth:** 12.76'

pH: 4.66 **Conductivity:** 36.1 (umhos/cm)

Temperature: 17.5 (°C) **Turbidity:** 42.1 (NTU)

Odor and Physical Appearance of Sample: Cloudy, no odor

Comments:

Sampled By: R. Farley/A. McBride/M. Lester

Sampler's Signature: Allen McBride **Date:** 10-11-05

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name: MSW Landfill **Project :** 2nd Semi 2005 **Well #:** MW-21

Contact Person: Chris Stahl **Phone #:** (828) 349-2185

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: 10-11-05 0925 **Weather Conditions:** Cloudy 65°F

Static Depth (Depth to Water)	16.17 (Ft)	Volume	6.23 (Liters)
Well Depth	26.93 (Ft)	3 Volumes	18.69 (Liters)
Water Column Height	10.76 (Ft)	Volume Purged	20 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
0930	5.47	61.3	17.4	16.9	1
0931	5.56	75.9	16.7	73.1	4
0933	5.65	76.3	16.3	56.3	8
0934	5.60	75.7	16.1	34.2	12
0936	5.68	74.1	16.0	22.9	16
0938	5.59	73.3	15.9	20.1	20
0938		Finished Purging			20

SAMPLING DATA

Date: 10-11-05 **Time:** 0942

Method: Teflon Bailer **Sampling Depth:** 18.96'

pH: 5.66 **Conductivity:** 73.1 (umhos/cm)

Temperature: 16.1 (°C) **Turbidity:** 24.5 (NTU)

Odor and Physical Appearance of Sample: Clear, no odor

Comments:

Sampled By: R. Farley/A. McBride/M. Lester

Sampler's Signature: Allen McBride **Date:** 10-11-05

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name: MSW Landfill **Project :** 2nd Semi 2005 **Well #:** MW-22

Contact Person: Chris Stahl **Phone #:** (828) 349-2185

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: 10-11-05 1020 **Weather Conditions:** Cloudy 70°F

Static Depth (Depth to Water)	16.40 (Ft)	Volume	5.03 (Liters)
Well Depth	25.10 (Ft)	3 Volumes	15.11 (Liters)
Water Column Height	8.70 (Ft)	Volume Purged	16 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1027	6.18	32.3	17.1	198	1
1029	5.70	64.0	16.2	>200	3
1031	5.63	91.8	15.8	>200	5
1033	5.64	94.7	15.3	>200	7
1034	5.69	96.4	15.2	>200	9
1035	5.64	101.9	15.2	>200	12
1037		Finished Purging			16

SAMPLING DATA

Date: 10-11-05 **Time:** 1043

Method: Teflon Bailer **Sampling Depth:** 16.50'

pH: 5.69/Dupe 5.66 **Conductivity:** 111.3/Dupe 114.5 (umhos/cm)

Temperature: 17.5/Dupe 16.8 (°C) **Turbidity:** >200/Dupe >200 (NTU)

Odor and Physical Appearance of Sample: Cloudy, no odor

Comments:

Sampled By: R. Farley/A. McBride/M. Lester

Sampler's Signature: Allen McBride **Date:** 10-11-05

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name: MSW Landfill **Project :** 2nd Semi 2005 **Well #:** MW-22A

Contact Person: Chris Stahl **Phone #:** (828) 349-2185

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: 10-11-05 1001 **Weather Conditions:** Cloudy 70°F

Static Depth (Depth to Water)	13.36 (Ft)	Volume	16.75 (Liters)
Well Depth	42.30 (Ft)	3 Volumes	50.26 (Liters)
Water Column Height	28.94 (Ft)	Volume Purged	34 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1006	6.76	356	18.3	10.57	1
1008	6.72	645	15.9	86.1	8
1010	6.65	654	15.4	58.0	16
1012	6.80	597	15.4	155	24
1015	6.85	560	15.4	>200	32
1016		Purged Dry			34

SAMPLING DATA

Date: 10-11-05 **Time:** 1055

Method: Teflon Bailer **Sampling Depth:** 23.28'

pH: 6.72 **Conductivity:** 507 (umhos/cm)

Temperature: 17.3 (°C) **Turbidity:** 47.9 (NTU)

Odor and Physical Appearance of Sample: Cloudy, no odor

Comments:

Sampled By: R. Farley/A. McBride/M. Lester

Sampler's Signature: Allen McBride **Date:** 10-11-05

Surface Water Sampling Log

REI Consultants, Inc.

Project Name:	MSW Landfill		
Contact Person:	Chris Stahl	Phone/Fax:	(828) 349-2185

Outlet:	SW-3			
Date:	10-11-05	Time:	1605	
pH:	6.70	Conductivity:	65.9	*umhos/cm*
Flow:	NA	Temperature:	21.0	*°C*
Sampled Odor and Physical Appearance:	Clear, no odor			
Comments:	Turbidity 7.25 NTU			
Outlet:	SW-1			
Date:	10-11-05	Time:	1200	
pH:	6.90	Conductivity:	89.0	*umhos/cm*
Flow:	NA	Temperature:	19.8	*°C*
Sampled Odor and Physical Appearance:	Clear, no odor			
Comments:	Turbidity 42.5 NTU			
Outlet:	SW-4			
Date:	10-11-05	Time:	1540	
pH:	6.78	Conductivity:	73.7	*umhos/cm*
Flow:	NA	Temperature:	20.1	*°C*
Sampled Odor and Physical Appearance:	Clear, no odor			
Comments:	Turbidity 16.33 NTU			

Surface Water Sampling Log

REI Consultants, Inc.

Project Name:	**MSW Landfill**		
Contact Person:	**Chris Stahl**	**Phone/Fax:**	(828) 349-2185

Outlet:	**SW-2**			
Date:	**10-11-05**	**Time:**	**1015**	
pH:	**6.32**	**Conductivity:**	**71.8**	*umhos/cm*
Flow:	**NA**	**Temperature:**	**19.9**	*°C*
Sampled Odor and Physical Appearance:	**Clear, no odor**			
Comments:	**Turbidity 9.39 NTU**			

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

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

Appendix C

Laboratory Reports and Chain-of-Custody

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

February 27, 2006

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

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

RE: MSW LANDFILL

Order No.: 0510550

Dear Mr. Chris Stahl:

REI Consultants Inc. received 22 sample(s) on 10/13/2005 for the analyses presented in the following report.

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

Sincerely,

Ray Erickson
Vice President

REI Consultants Inc. **Date:** *27-Feb-06*

CLIENT: MACON COUNTY SOLID WASTE MAN
Project: MSW LANDFILL
Lab Order: 0510550

CASE NARRATIVE

REI Consultants, Inc. attests to the validity of the laboratory data generated and reported herein. All analyses performed were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. REIC technical directors have reviewed the data for compliance with the laboratory Quality Control Program, and data have been found to be compliant with laboratory protocols unless otherwise noted in this case narrative. Any deviations from normal protocol will be discussed in this narrative and/or qualified within the Analytical Results utilizing an alphanumeric character which is explained at the bottom of each Analytical Results page.

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

Samples were analyzed using the methods stated in the analytical report without modification unless otherwise noted.

Analytical methods contained in this report referencing Standard Methods are taken from the 18th Edition.

All samples analyzed on an "as-received" basis unless otherwise noted in the analytical report.

The Laboratory Director or his designee, as verified by the signature contained in the analytical report, has authorized the release of the data contained in this hard copy data package.

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.

The matrix spike for antimony, arsenic, selenium, and silver exceeded REIC control limits due to matrix interference (sample ID MW-22 Dupe); the associated post spike met REIC QC objectives for all analytes.

REI Consultants Inc.

Analytical Results

Date: *27-Feb-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**Lab Order:**	0510550
Client Sample ID:	MW-1A	**Lab ID:**	0510550-01A
Project:	MSW LANDFILL	**Collection Date:**	10/11/2005
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
TOTAL SUSPENDED SOLIDS			**SM2540 D**				
Total Suspended Solids	ND	mg/L	1	10		10/13/05 10:45 AM	J M
TOTAL METALS BY ICP-MS			**SW6020**				
Antimony	ND	mg/L	NA	0.0300		11/17/05 5:54 PM	BP
Arsenic	ND	mg/L	NA	0.0100		11/17/05 5:54 PM	BP
Barium	ND	mg/L	NA	0.500		11/17/05 5:54 PM	BP
Beryllium	ND	mg/L	NA	0.0020		11/17/05 5:54 PM	BP
Cadmium	ND	mg/L	NA	0.0010		11/17/05 5:54 PM	BP
Chromium	ND	mg/L	NA	0.0100		11/17/05 5:54 PM	BP
Cobalt	ND	mg/L	NA	0.0100		11/17/05 5:54 PM	BP
Copper	ND	mg/L	NA	0.200		11/17/05 5:54 PM	BP
Lead	ND	mg/L	NA	0.0100		11/17/05 5:54 PM	BP
Nickel	ND	mg/L	NA	0.0500		11/17/05 5:54 PM	BP
Selenium	ND	mg/L	NA	0.0200		11/17/05 5:54 PM	BP
Silver	ND	mg/L	NA	0.0100		11/17/05 5:54 PM	BP
Thallium	ND	mg/L	NA	0.0100		11/17/05 5:54 PM	BP
Vanadium	ND	mg/L	NA	0.0400		11/17/05 5:54 PM	BP
Zinc	ND	mg/L	NA	0.0500		11/17/05 5:54 PM	BP
VOLATILE ORGANIC COMPOUNDS			**SW8260B**				
Acetone	ND	µg/L	NA	50.0		10/19/05 6:14 AM	TC
Acrylonitrile	ND	µg/L	NA	25.0		10/19/05 6:14 AM	TC
Benzene	3.8	µg/L	NA	1.0		10/19/05 6:14 AM	TC
Bromochloromethane	ND	µg/L	NA	5.0		10/19/05 6:14 AM	TC
Bromodichloromethane	ND	µg/L	NA	1.0		10/19/05 6:14 AM	TC
Bromoform	ND	µg/L	NA	5.0		10/19/05 6:14 AM	TC
Bromomethane	ND	µg/L	NA	5.0		10/19/05 6:14 AM	TC
2-Butanone	ND	µg/L	NA	50.0		10/19/05 6:14 AM	TC
Carbon disulfide	ND	µg/L	NA	25.0		10/19/05 6:14 AM	TC
Carbon tetrachloride	ND	µg/L	NA	5.0		10/19/05 6:14 AM	TC
Chlorobenzene	5.6	µg/L	NA	5.0		10/19/05 6:14 AM	TC
Chloroethane	5.4	µg/L	NA	5.0		10/19/05 6:14 AM	TC
Chloroform	ND	µg/L	NA	1.0		10/19/05 6:14 AM	TC
Chloromethane	ND	µg/L	NA	5.0		10/19/05 6:14 AM	TC
Dibromochloromethane	ND	µg/L	NA	5.0		10/19/05 6:14 AM	TC
1,2-Dibromo-3-chloropropane	ND	µg/L	NA	1.0		10/19/05 6:14 AM	TC
1,2-Dibromoethane	ND	µg/L	NA	1.0		10/19/05 6:14 AM	TC
Dibromomethane	ND	µg/L	NA	5.0		10/19/05 6:14 AM	TC
1,2-Dichlorobenzene	ND	µg/L	NA	5.0		10/19/05 6:14 AM	TC

Key:

MCL	Maximum Contaminant Level
MDL	Minimum Detection Limit
NA	Not Applicable
ND	Not Detected at the PQL or MDL
PQL	Practical Quantitation Limit
TIC	Tentatively Identified Compounds

Qualifiers:

*	Value exceeds Maximum Contaminant Level or Regulatory Level
B	Analyte detected in the associated Method Blank
E	Value estimated due to calibration range exceedence
H	Sample extraction/analysis holding time exceeded
J	Analyte detected at less than the PQL
S	Spike/Surrogate Recovery exceeds accepted recovery limits

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**Lab Order:**	0510550
Client Sample ID:	MW-1A	**Lab ID:**	0510550-01A
Project:	MSW LANDFILL	**Collection Date:**	10/11/2005
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
VOLATILE ORGANIC COMPOUNDS			**SW8260B**				
1,4-Dichlorobenzene	6.7	µg/L	NA	5.0		10/19/05 6:14 AM	TC
trans-1,4-Dichloro-2-butene	ND	µg/L	NA	50.0		10/19/05 6:14 AM	TC
1,1-Dichloroethane	7.1	µg/L	NA	5.0		10/19/05 6:14 AM	TC
1,2-Dichloroethane	ND	µg/L	NA	1.0		10/19/05 6:14 AM	TC
1,1-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 6:14 AM	TC
cis-1,2-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 6:14 AM	TC
trans-1,2-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 6:14 AM	TC
1,2-Dichloropropane	ND	µg/L	NA	5.0		10/19/05 6:14 AM	TC
cis-1,3-Dichloropropene	ND	µg/L	NA	5.0		10/19/05 6:14 AM	TC
trans-1,3-Dichloropropene	ND	µg/L	NA	5.0		10/19/05 6:14 AM	TC
Ethylbenzene	ND	µg/L	NA	5.0		10/19/05 6:14 AM	TC
2-Hexanone	ND	µg/L	NA	50.0		10/19/05 6:14 AM	TC
Iodomethane	ND	µg/L	NA	10.0		10/19/05 6:14 AM	TC
Methylene chloride	ND	µg/L	NA	5.0		10/19/05 6:14 AM	TC
4-Methyl-2-pentanone	ND	µg/L	NA	50.0		10/19/05 6:14 AM	TC
Styrene	ND	µg/L	NA	5.0		10/19/05 6:14 AM	TC
1,1,1,2-Tetrachloroethane	ND	µg/L	NA	5.0		10/19/05 6:14 AM	TC
1,1,2,2-Tetrachloroethane	ND	µg/L	NA	5.0		10/19/05 6:14 AM	TC
Tetrachloroethene	ND	µg/L	NA	1.0		10/19/05 6:14 AM	TC
Toluene	ND	µg/L	NA	5.0		10/19/05 6:14 AM	TC
1,1,1-Trichloroethane	ND	µg/L	NA	5.0		10/19/05 6:14 AM	TC
1,1,2-Trichloroethane	ND	µg/L	NA	5.0		10/19/05 6:14 AM	TC
Trichloroethene	ND	µg/L	NA	1.0		10/19/05 6:14 AM	TC
Trichlorofluoromethane	ND	µg/L	NA	5.0		10/19/05 6:14 AM	TC
1,2,3-Trichloropropane	ND	µg/L	NA	5.0		10/19/05 6:14 AM	TC
Vinyl acetate	ND	µg/L	NA	25.0		10/19/05 6:14 AM	TC
Vinyl chloride	4.6	µg/L	NA	1.0		10/19/05 6:14 AM	TC
o-Xylene	ND	µg/L	NA	5.0		10/19/05 6:14 AM	TC
m,p-Xylene	ND	µg/L	NA	5.0		10/19/05 6:14 AM	TC
Surr: 1,2-Dichloroethane-d4	109	%REC	NA	80-120		10/19/05 6:14 AM	TC
Surr: 4-Bromofluorobenzene	123	%REC	NA	86-115	S	10/19/05 6:14 AM	TC
Surr: Dibromofluoromethane	103	%REC	NA	80-120		10/19/05 6:14 AM	TC
Surr: Toluene-d8	98	%REC	NA	88-110		10/19/05 6:14 AM	TC

Key:

MCL	Maximum Contaminant Level
MDL	Minimum Detection Limit
NA	Not Applicable
ND	Not Detected at the PQL or MDL
PQL	Practical Quantitation Limit
TIC	Tentatively Identified Compounds

Qualifiers:

*	Value exceeds Maximum Contaminant Level or Regulatory Level
B	Analyte detected in the associated Method Blank
E	Value estimated due to calibration range exceedence
H	Sample extraction/analysis holding time exceeded
J	Analyte detected at less than the PQL
S	Spike/Surrogate Recovery exceeds accepted recovery limits

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**Lab Order:**	0510550
Client Sample ID:	MW-1B	**Lab ID:**	0510550-02A
Project:	MSW LANDFILL	**Collection Date:**	10/11/2005
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
TOTAL SUSPENDED SOLIDS			**SM2540 D**				
Total Suspended Solids	10	mg/L	1	10		10/13/05 10:45 AM	J M
TOTAL METALS BY ICP-MS			**SW6020**				
Antimony	ND	mg/L	NA	0.0300		11/17/05 6:00 PM	BP
Arsenic	ND	mg/L	NA	0.0100		11/17/05 6:00 PM	BP
Barium	ND	mg/L	NA	0.500		11/17/05 6:00 PM	BP
Beryllium	ND	mg/L	NA	0.0020		11/17/05 6:00 PM	BP
Cadmium	ND	mg/L	NA	0.0010		11/17/05 6:00 PM	BP
Chromium	ND	mg/L	NA	0.0100		11/17/05 6:00 PM	BP
Cobalt	ND	mg/L	NA	0.0100		11/17/05 6:00 PM	BP
Copper	ND	mg/L	NA	0.200		11/17/05 6:00 PM	BP
Lead	ND	mg/L	NA	0.0100		11/17/05 6:00 PM	BP
Nickel	ND	mg/L	NA	0.0500		11/17/05 6:00 PM	BP
Selenium	ND	mg/L	NA	0.0200		11/17/05 6:00 PM	BP
Silver	ND	mg/L	NA	0.0100		11/17/05 6:00 PM	BP
Thallium	ND	mg/L	NA	0.0100		11/17/05 6:00 PM	BP
Vanadium	ND	mg/L	NA	0.0400		11/17/05 6:00 PM	BP
Zinc	ND	mg/L	NA	0.0500		11/17/05 6:00 PM	BP
VOLATILE ORGANIC COMPOUNDS			**SW8260B**				
Acetone	ND	µg/L	NA	50.0		10/19/05 6:51 AM	TC
Acrylonitrile	ND	µg/L	NA	25.0		10/19/05 6:51 AM	TC
Benzene	3.6	µg/L	NA	1.0		10/19/05 6:51 AM	TC
Bromochloromethane	ND	µg/L	NA	5.0		10/19/05 6:51 AM	TC
Bromodichloromethane	ND	µg/L	NA	1.0		10/19/05 6:51 AM	TC
Bromoform	ND	µg/L	NA	5.0		10/19/05 6:51 AM	TC
Bromomethane	ND	µg/L	NA	5.0		10/19/05 6:51 AM	TC
2-Butanone	ND	µg/L	NA	50.0		10/19/05 6:51 AM	TC
Carbon disulfide	ND	µg/L	NA	25.0		10/19/05 6:51 AM	TC
Carbon tetrachloride	ND	µg/L	NA	5.0		10/19/05 6:51 AM	TC
Chlorobenzene	5.0	µg/L	NA	5.0		10/19/05 6:51 AM	TC
Chloroethane	ND	µg/L	NA	5.0		10/19/05 6:51 AM	TC
Chloroform	ND	µg/L	NA	1.0		10/19/05 6:51 AM	TC
Chloromethane	ND	µg/L	NA	5.0		10/19/05 6:51 AM	TC
Dibromochloromethane	ND	µg/L	NA	5.0		10/19/05 6:51 AM	TC
1,2-Dibromo-3-chloropropane	ND	µg/L	NA	1.0		10/19/05 6:51 AM	TC
1,2-Dibromoethane	ND	µg/L	NA	1.0		10/19/05 6:51 AM	TC
Dibromomethane	ND	µg/L	NA	5.0		10/19/05 6:51 AM	TC
1,2-Dichlorobenzene	ND	µg/L	NA	5.0		10/19/05 6:51 AM	TC

Key:
- MCL Maximum Contaminant Level
- MDL Minimum Detection Limit
- NA Not Applicable
- ND Not Detected at the PQL or MDL
- PQL Practical Quantitation Limit
- TIC Tentatively Identified Compounds

Qualifiers:
- * Value exceeds Maximum Contaminant Level or Regulatory Level
- B Analyte detected in the associated Method Blank
- E Value estimated due to calibration range exceedence
- H Sample extraction/analysis holding time exceeded
- J Analyte detected at less than the PQL
- S Spike/Surrogate Recovery exceeds accepted recovery limits

REI Consultants Inc.

Analytical Results

Date: *27-Feb-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**Lab Order:**	0510550
Client Sample ID:	MW-1B	**Lab ID:**	0510550-02A
Project:	MSW LANDFILL	**Collection Date:**	10/11/2005
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
VOLATILE ORGANIC COMPOUNDS			**SW8260B**				
1,4-Dichlorobenzene	5.7	µg/L	NA	5.0		10/19/05 6:51 AM	TC
trans-1,4-Dichloro-2-butene	ND	µg/L	NA	50.0		10/19/05 6:51 AM	TC
1,1-Dichloroethane	6.7	µg/L	NA	5.0		10/19/05 6:51 AM	TC
1,2-Dichloroethane	ND	µg/L	NA	1.0		10/19/05 6:51 AM	TC
1,1-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 6:51 AM	TC
cis-1,2-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 6:51 AM	TC
trans-1,2-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 6:51 AM	TC
1,2-Dichloropropane	ND	µg/L	NA	5.0		10/19/05 6:51 AM	TC
cis-1,3-Dichloropropene	ND	µg/L	NA	5.0		10/19/05 6:51 AM	TC
trans-1,3-Dichloropropene	ND	µg/L	NA	5.0		10/19/05 6:51 AM	TC
Ethylbenzene	ND	µg/L	NA	5.0		10/19/05 6:51 AM	TC
2-Hexanone	ND	µg/L	NA	50.0		10/19/05 6:51 AM	TC
Iodomethane	ND	µg/L	NA	10.0		10/19/05 6:51 AM	TC
Methylene chloride	ND	µg/L	NA	5.0		10/19/05 6:51 AM	TC
4-Methyl-2-pentanone	ND	µg/L	NA	50.0		10/19/05 6:51 AM	TC
Styrene	ND	µg/L	NA	5.0		10/19/05 6:51 AM	TC
1,1,1,2-Tetrachloroethane	ND	µg/L	NA	5.0		10/19/05 6:51 AM	TC
1,1,2,2-Tetrachloroethane	ND	µg/L	NA	5.0		10/19/05 6:51 AM	TC
Tetrachloroethene	ND	µg/L	NA	1.0		10/19/05 6:51 AM	TC
Toluene	ND	µg/L	NA	5.0		10/19/05 6:51 AM	TC
1,1,1-Trichloroethane	ND	µg/L	NA	5.0		10/19/05 6:51 AM	TC
1,1,2-Trichloroethane	ND	µg/L	NA	5.0		10/19/05 6:51 AM	TC
Trichloroethene	ND	µg/L	NA	1.0		10/19/05 6:51 AM	TC
Trichlorofluoromethane	ND	µg/L	NA	5.0		10/19/05 6:51 AM	TC
1,2,3-Trichloropropane	ND	µg/L	NA	5.0		10/19/05 6:51 AM	TC
Vinyl acetate	ND	µg/L	NA	25.0		10/19/05 6:51 AM	TC
Vinyl chloride	3.9	µg/L	NA	1.0		10/19/05 6:51 AM	TC
o-Xylene	ND	µg/L	NA	5.0		10/19/05 6:51 AM	TC
m,p-Xylene	ND	µg/L	NA	5.0		10/19/05 6:51 AM	TC
Surr: 1,2-Dichloroethane-d4	106	%REC	NA	80-120		10/19/05 6:51 AM	TC
Surr: 4-Bromofluorobenzene	114	%REC	NA	86-115		10/19/05 6:51 AM	TC
Surr: Dibromofluoromethane	100	%REC	NA	80-120		10/19/05 6:51 AM	TC
Surr: Toluene-d8	98	%REC	NA	88-110		10/19/05 6:51 AM	TC

Key:

MCL	Maximum Contaminant Level
MDL	Minimum Detection Limit
NA	Not Applicable
ND	Not Detected at the PQL or MDL
PQL	Practical Quantitation Limit
TIC	Tentatively Identified Compounds

Qualifiers:

*	Value exceeds Maximum Contaminant Level or Regulatory Level
B	Analyte detected in the associated Method Blank
E	Value estimated due to calibration range exceedence
H	Sample extraction/analysis holding time exceeded
J	Analyte detected at less than the PQL
S	Spike/Surrogate Recovery exceeds accepted recovery limits

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**Lab Order:**	0510550
Client Sample ID:	MW-2	**Lab ID:**	0510550-03A
Project:	MSW LANDFILL	**Collection Date:**	10/11/2005
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
TOTAL SUSPENDED SOLIDS			**SM2540 D**				
Total Suspended Solids	167	mg/L	1	10		10/13/05 10:45 AM	J M
TOTAL METALS BY ICP-MS			**SW6020**				
Antimony	ND	mg/L	NA	0.0300		11/17/05 6:06 PM	BP
Arsenic	ND	mg/L	NA	0.0100		11/17/05 6:06 PM	BP
Barium	ND	mg/L	NA	0.500		11/17/05 6:06 PM	BP
Beryllium	ND	mg/L	NA	0.0020		11/17/05 6:06 PM	BP
Cadmium	ND	mg/L	NA	0.0010		11/17/05 6:06 PM	BP
Chromium	ND	mg/L	NA	0.0100		11/17/05 6:06 PM	BP
Cobalt	0.0216	mg/L	NA	0.0100		11/17/05 6:06 PM	BP
Copper	ND	mg/L	NA	0.200		11/17/05 6:06 PM	BP
Lead	ND	mg/L	NA	0.0100		11/17/05 6:06 PM	BP
Nickel	ND	mg/L	NA	0.0500		11/17/05 6:06 PM	BP
Selenium	ND	mg/L	NA	0.0200		11/17/05 6:06 PM	BP
Silver	ND	mg/L	NA	0.0100		11/17/05 6:06 PM	BP
Thallium	ND	mg/L	NA	0.0100		11/17/05 6:06 PM	BP
Vanadium	ND	mg/L	NA	0.0400		11/17/05 6:06 PM	BP
Zinc	ND	mg/L	NA	0.0500		11/17/05 6:06 PM	BP
VOLATILE ORGANIC COMPOUNDS			**SW8260B**				
Acetone	ND	µg/L	NA	50.0		10/19/05 7:27 AM	TC
Acrylonitrile	ND	µg/L	NA	25.0		10/19/05 7:27 AM	TC
Benzene	ND	µg/L	NA	1.0		10/19/05 7:27 AM	TC
Bromochloromethane	ND	µg/L	NA	5.0		10/19/05 7:27 AM	TC
Bromodichloromethane	ND	µg/L	NA	1.0		10/19/05 7:27 AM	TC
Bromoform	ND	µg/L	NA	5.0		10/19/05 7:27 AM	TC
Bromomethane	ND	µg/L	NA	5.0		10/19/05 7:27 AM	TC
2-Butanone	ND	µg/L	NA	50.0		10/19/05 7:27 AM	TC
Carbon disulfide	ND	µg/L	NA	25.0		10/19/05 7:27 AM	TC
Carbon tetrachloride	ND	µg/L	NA	5.0		10/19/05 7:27 AM	TC
Chlorobenzene	ND	µg/L	NA	5.0		10/19/05 7:27 AM	TC
Chloroethane	ND	µg/L	NA	5.0		10/19/05 7:27 AM	TC
Chloroform	ND	µg/L	NA	1.0		10/19/05 7:27 AM	TC
Chloromethane	ND	µg/L	NA	5.0		10/19/05 7:27 AM	TC
Dibromochloromethane	ND	µg/L	NA	5.0		10/19/05 7:27 AM	TC
1,2-Dibromo-3-chloropropane	ND	µg/L	NA	1.0		10/19/05 7:27 AM	TC
1,2-Dibromoethane	ND	µg/L	NA	1.0		10/19/05 7:27 AM	TC
Dibromomethane	ND	µg/L	NA	5.0		10/19/05 7:27 AM	TC
1,2-Dichlorobenzene	ND	µg/L	NA	5.0		10/19/05 7:27 AM	TC

Key:

MCL	Maximum Contaminant Level
MDL	Minimum Detection Limit
NA	Not Applicable
ND	Not Detected at the PQL or MDL
PQL	Practical Quantitation Limit
TIC	Tentatively Identified Compounds

Qualifiers:

*	Value exceeds Maximum Contaminant Level or Regulatory Level
B	Analyte detected in the associated Method Blank
E	Value estimated due to calibration range exceedence
H	Sample extraction/analysis holding time exceeded
J	Analyte detected at less than the PQL
S	Spike/Surrogate Recovery exceeds accepted recovery limits

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**Lab Order:**	0510550
Client Sample ID:	MW-2	**Lab ID:**	0510550-03A
Project:	MSW LANDFILL	**Collection Date:**	10/11/2005
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
VOLATILE ORGANIC COMPOUNDS			**SW8260B**				
1,4-Dichlorobenzene	ND	µg/L	NA	5.0		10/19/05 7:27 AM	TC
trans-1,4-Dichloro-2-butene	ND	µg/L	NA	50.0		10/19/05 7:27 AM	TC
1,1-Dichloroethane	ND	µg/L	NA	5.0		10/19/05 7:27 AM	TC
1,2-Dichloroethane	ND	µg/L	NA	1.0		10/19/05 7:27 AM	TC
1,1-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 7:27 AM	TC
cis-1,2-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 7:27 AM	TC
trans-1,2-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 7:27 AM	TC
1,2-Dichloropropane	ND	µg/L	NA	5.0		10/19/05 7:27 AM	TC
cis-1,3-Dichloropropene	ND	µg/L	NA	5.0		10/19/05 7:27 AM	TC
trans-1,3-Dichloropropene	ND	µg/L	NA	5.0		10/19/05 7:27 AM	TC
Ethylbenzene	ND	µg/L	NA	5.0		10/19/05 7:27 AM	TC
2-Hexanone	ND	µg/L	NA	50.0		10/19/05 7:27 AM	TC
Iodomethane	ND	µg/L	NA	10.0		10/19/05 7:27 AM	TC
Methylene chloride	ND	µg/L	NA	5.0		10/19/05 7:27 AM	TC
4-Methyl-2-pentanone	ND	µg/L	NA	50.0		10/19/05 7:27 AM	TC
Styrene	ND	µg/L	NA	5.0		10/19/05 7:27 AM	TC
1,1,1,2-Tetrachloroethane	ND	µg/L	NA	5.0		10/19/05 7:27 AM	TC
1,1,2,2-Tetrachloroethane	ND	µg/L	NA	5.0		10/19/05 7:27 AM	TC
Tetrachloroethene	ND	µg/L	NA	1.0		10/19/05 7:27 AM	TC
Toluene	ND	µg/L	NA	5.0		10/19/05 7:27 AM	TC
1,1,1-Trichloroethane	ND	µg/L	NA	5.0		10/19/05 7:27 AM	TC
1,1,2-Trichloroethane	ND	µg/L	NA	5.0		10/19/05 7:27 AM	TC
Trichloroethene	ND	µg/L	NA	1.0		10/19/05 7:27 AM	TC
Trichlorofluoromethane	ND	µg/L	NA	5.0		10/19/05 7:27 AM	TC
1,2,3-Trichloropropane	ND	µg/L	NA	5.0		10/19/05 7:27 AM	TC
Vinyl acetate	ND	µg/L	NA	25.0		10/19/05 7:27 AM	TC
Vinyl chloride	ND	µg/L	NA	1.0		10/19/05 7:27 AM	TC
o-Xylene	ND	µg/L	NA	5.0		10/19/05 7:27 AM	TC
m,p-Xylene	ND	µg/L	NA	5.0		10/19/05 7:27 AM	TC
Surr: 1,2-Dichloroethane-d4	112	%REC	NA	80-120		10/19/05 7:27 AM	TC
Surr: 4-Bromofluorobenzene	123	%REC	NA	86-115	S	10/19/05 7:27 AM	TC
Surr: Dibromofluoromethane	105	%REC	NA	80-120		10/19/05 7:27 AM	TC
Surr: Toluene-d8	98	%REC	NA	88-110		10/19/05 7:27 AM	TC

Key:

MCL	Maximum Contaminant Level
MDL	Minimum Detection Limit
NA	Not Applicable
ND	Not Detected at the PQL or MDL
PQL	Practical Quantitation Limit
TIC	Tentatively Identified Compounds

Qualifiers:

*	Value exceeds Maximum Contaminant Level or Regulatory Level
B	Analyte detected in the associated Method Blank
E	Value estimated due to calibration range exceedence
H	Sample extraction/analysis holding time exceeded
J	Analyte detected at less than the PQL
S	Spike/Surrogate Recovery exceeds accepted recovery limits

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**Lab Order:**	0510550
Client Sample ID:	MW-3A	**Lab ID:**	0510550-04A
Project:	MSW LANDFILL	**Collection Date:**	10/11/2005
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
TOTAL SUSPENDED SOLIDS			**SM2540 D**				
Total Suspended Solids	17	mg/L	1	10		10/13/05 10:45 AM	J M
TOTAL METALS BY ICP-MS			**SW6020**				
Antimony	ND	mg/L	NA	0.0300		11/17/05 6:11 PM	BP
Arsenic	ND	mg/L	NA	0.0100		11/17/05 6:11 PM	BP
Barium	ND	mg/L	NA	0.500		11/17/05 6:11 PM	BP
Beryllium	ND	mg/L	NA	0.0020		11/17/05 6:11 PM	BP
Cadmium	ND	mg/L	NA	0.0010		11/17/05 6:11 PM	BP
Chromium	ND	mg/L	NA	0.0100		11/17/05 6:11 PM	BP
Cobalt	ND	mg/L	NA	0.0100		11/17/05 6:11 PM	BP
Copper	ND	mg/L	NA	0.200		11/17/05 6:11 PM	BP
Lead	ND	mg/L	NA	0.0100		11/17/05 6:11 PM	BP
Nickel	ND	mg/L	NA	0.0500		11/17/05 6:11 PM	BP
Selenium	ND	mg/L	NA	0.0200		11/17/05 6:11 PM	BP
Silver	ND	mg/L	NA	0.0100		11/17/05 6:11 PM	BP
Thallium	ND	mg/L	NA	0.0100		11/17/05 6:11 PM	BP
Vanadium	ND	mg/L	NA	0.0400		11/17/05 6:11 PM	BP
Zinc	ND	mg/L	NA	0.0500		11/17/05 6:11 PM	BP
VOLATILE ORGANIC COMPOUNDS			**SW8260B**				
Acetone	ND	µg/L	NA	50.0		10/19/05 8:04 AM	TC
Acrylonitrile	ND	µg/L	NA	25.0		10/19/05 8:04 AM	TC
Benzene	ND	µg/L	NA	1.0		10/19/05 8:04 AM	TC
Bromochloromethane	ND	µg/L	NA	5.0		10/19/05 8:04 AM	TC
Bromodichloromethane	ND	µg/L	NA	1.0		10/19/05 8:04 AM	TC
Bromoform	ND	µg/L	NA	5.0		10/19/05 8:04 AM	TC
Bromomethane	ND	µg/L	NA	5.0		10/19/05 8:04 AM	TC
2-Butanone	ND	µg/L	NA	50.0		10/19/05 8:04 AM	TC
Carbon disulfide	ND	µg/L	NA	25.0		10/19/05 8:04 AM	TC
Carbon tetrachloride	ND	µg/L	NA	5.0		10/19/05 8:04 AM	TC
Chlorobenzene	ND	µg/L	NA	5.0		10/19/05 8:04 AM	TC
Chloroethane	ND	µg/L	NA	5.0		10/19/05 8:04 AM	TC
Chloroform	ND	µg/L	NA	1.0		10/19/05 8:04 AM	TC
Chloromethane	ND	µg/L	NA	5.0		10/19/05 8:04 AM	TC
Dibromochloromethane	ND	µg/L	NA	5.0		10/19/05 8:04 AM	TC
1,2-Dibromo-3-chloropropane	ND	µg/L	NA	1.0		10/19/05 8:04 AM	TC
1,2-Dibromoethane	ND	µg/L	NA	1.0		10/19/05 8:04 AM	TC
Dibromomethane	ND	µg/L	NA	5.0		10/19/05 8:04 AM	TC
1,2-Dichlorobenzene	ND	µg/L	NA	5.0		10/19/05 8:04 AM	TC

Key:

MCL	Maximum Contaminant Level
MDL	Minimum Detection Limit
NA	Not Applicable
ND	Not Detected at the PQL or MDL
PQL	Practical Quantitation Limit
TIC	Tentatively Identified Compounds

Qualifiers:

*	Value exceeds Maximum Contaminant Level or Regulatory Level
B	Analyte detected in the associated Method Blank
E	Value estimated due to calibration range exceedence
H	Sample extraction/analysis holding time exceeded
J	Analyte detected at less than the PQL
S	Spike/Surrogate Recovery exceeds accepted recovery limits

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**Lab Order:**	0510550
Client Sample ID:	MW-3A	**Lab ID:**	0510550-04A
Project:	MSW LANDFILL	**Collection Date:**	10/11/2005
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
VOLATILE ORGANIC COMPOUNDS			**SW8260B**				
1,4-Dichlorobenzene	ND	µg/L	NA	5.0		10/19/05 8:04 AM	TC
trans-1,4-Dichloro-2-butene	ND	µg/L	NA	50.0		10/19/05 8:04 AM	TC
1,1-Dichloroethane	ND	µg/L	NA	5.0		10/19/05 8:04 AM	TC
1,2-Dichloroethane	ND	µg/L	NA	1.0		10/19/05 8:04 AM	TC
1,1-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 8:04 AM	TC
cis-1,2-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 8:04 AM	TC
trans-1,2-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 8:04 AM	TC
1,2-Dichloropropane	ND	µg/L	NA	5.0		10/19/05 8:04 AM	TC
cis-1,3-Dichloropropene	ND	µg/L	NA	5.0		10/19/05 8:04 AM	TC
trans-1,3-Dichloropropene	ND	µg/L	NA	5.0		10/19/05 8:04 AM	TC
Ethylbenzene	ND	µg/L	NA	5.0		10/19/05 8:04 AM	TC
2-Hexanone	ND	µg/L	NA	50.0		10/19/05 8:04 AM	TC
Iodomethane	ND	µg/L	NA	10.0		10/19/05 8:04 AM	TC
Methylene chloride	ND	µg/L	NA	5.0		10/19/05 8:04 AM	TC
4-Methyl-2-pentanone	ND	µg/L	NA	50.0		10/19/05 8:04 AM	TC
Styrene	ND	µg/L	NA	5.0		10/19/05 8:04 AM	TC
1,1,1,2-Tetrachloroethane	ND	µg/L	NA	5.0		10/19/05 8:04 AM	TC
1,1,2,2-Tetrachloroethane	ND	µg/L	NA	5.0		10/19/05 8:04 AM	TC
Tetrachloroethene	ND	µg/L	NA	1.0		10/19/05 8:04 AM	TC
Toluene	ND	µg/L	NA	5.0		10/19/05 8:04 AM	TC
1,1,1-Trichloroethane	ND	µg/L	NA	5.0		10/19/05 8:04 AM	TC
1,1,2-Trichloroethane	ND	µg/L	NA	5.0		10/19/05 8:04 AM	TC
Trichloroethene	ND	µg/L	NA	1.0		10/19/05 8:04 AM	TC
Trichlorofluoromethane	ND	µg/L	NA	5.0		10/19/05 8:04 AM	TC
1,2,3-Trichloropropane	ND	µg/L	NA	5.0		10/19/05 8:04 AM	TC
Vinyl acetate	ND	µg/L	NA	25.0		10/19/05 8:04 AM	TC
Vinyl chloride	ND	µg/L	NA	1.0		10/19/05 8:04 AM	TC
o-Xylene	ND	µg/L	NA	5.0		10/19/05 8:04 AM	TC
m,p-Xylene	ND	µg/L	NA	5.0		10/19/05 8:04 AM	TC
Surr: 1,2-Dichloroethane-d4	111	%REC	NA	80-120		10/19/05 8:04 AM	TC
Surr: 4-Bromofluorobenzene	131	%REC	NA	86-115	S	10/19/05 8:04 AM	TC
Surr: Dibromofluoromethane	104	%REC	NA	80-120		10/19/05 8:04 AM	TC
Surr: Toluene-d8	100	%REC	NA	88-110		10/19/05 8:04 AM	TC

Key:

MCL	Maximum Contaminant Level
MDL	Minimum Detection Limit
NA	Not Applicable
ND	Not Detected at the PQL or MDL
PQL	Practical Quantitation Limit
TIC	Tentatively Identified Compounds

Qualifiers:

*	Value exceeds Maximum Contaminant Level or Regulatory Level
B	Analyte detected in the associated Method Blank
E	Value estimated due to calibration range exceedence
H	Sample extraction/analysis holding time exceeded
J	Analyte detected at less than the PQL
S	Spike/Surrogate Recovery exceeds accepted recovery limits

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**Lab Order:**	0510550
Client Sample ID:	MW-10	**Lab ID:**	0510550-05A
Project:	MSW LANDFILL	**Collection Date:**	10/11/2005
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
TOTAL SUSPENDED SOLIDS			**SM2540 D**				
Total Suspended Solids	300	mg/L	1	10		10/13/05 10:45 AM	J M
TOTAL METALS BY ICP-MS			**SW6020**				
Antimony	ND	mg/L	NA	0.0300		11/17/05 6:17 PM	BP
Arsenic	ND	mg/L	NA	0.0100		11/17/05 6:17 PM	BP
Barium	ND	mg/L	NA	0.500		11/17/05 6:17 PM	BP
Beryllium	ND	mg/L	NA	0.0020		11/17/05 6:17 PM	BP
Cadmium	ND	mg/L	NA	0.0010		11/17/05 6:17 PM	BP
Chromium	ND	mg/L	NA	0.0100		11/17/05 6:17 PM	BP
Cobalt	ND	mg/L	NA	0.0100		11/17/05 6:17 PM	BP
Copper	ND	mg/L	NA	0.200		11/17/05 6:17 PM	BP
Lead	ND	mg/L	NA	0.0100		11/17/05 6:17 PM	BP
Nickel	ND	mg/L	NA	0.0500		11/17/05 6:17 PM	BP
Selenium	ND	mg/L	NA	0.0200		11/17/05 6:17 PM	BP
Silver	ND	mg/L	NA	0.0100		11/17/05 6:17 PM	BP
Thallium	ND	mg/L	NA	0.0100		11/17/05 6:17 PM	BP
Vanadium	ND	mg/L	NA	0.0400		11/17/05 6:17 PM	BP
Zinc	ND	mg/L	NA	0.0500		11/17/05 6:17 PM	BP
VOLATILE ORGANIC COMPOUNDS			**SW8260B**				
Acetone	ND	µg/L	NA	50.0		10/19/05 8:40 AM	TC
Acrylonitrile	ND	µg/L	NA	25.0		10/19/05 8:40 AM	TC
Benzene	ND	µg/L	NA	1.0		10/19/05 8:40 AM	TC
Bromochloromethane	ND	µg/L	NA	5.0		10/19/05 8:40 AM	TC
Bromodichloromethane	ND	µg/L	NA	1.0		10/19/05 8:40 AM	TC
Bromoform	ND	µg/L	NA	5.0		10/19/05 8:40 AM	TC
Bromomethane	ND	µg/L	NA	5.0		10/19/05 8:40 AM	TC
2-Butanone	ND	µg/L	NA	50.0		10/19/05 8:40 AM	TC
Carbon disulfide	ND	µg/L	NA	25.0		10/19/05 8:40 AM	TC
Carbon tetrachloride	ND	µg/L	NA	5.0		10/19/05 8:40 AM	TC
Chlorobenzene	ND	µg/L	NA	5.0		10/19/05 8:40 AM	TC
Chloroethane	ND	µg/L	NA	5.0		10/19/05 8:40 AM	TC
Chloroform	ND	µg/L	NA	1.0		10/19/05 8:40 AM	TC
Chloromethane	ND	µg/L	NA	5.0		10/19/05 8:40 AM	TC
Dibromochloromethane	ND	µg/L	NA	5.0		10/19/05 8:40 AM	TC
1,2-Dibromo-3-chloropropane	ND	µg/L	NA	1.0		10/19/05 8:40 AM	TC
1,2-Dibromoethane	ND	µg/L	NA	1.0		10/19/05 8:40 AM	TC
Dibromomethane	ND	µg/L	NA	5.0		10/19/05 8:40 AM	TC
1,2-Dichlorobenzene	ND	µg/L	NA	5.0		10/19/05 8:40 AM	TC

Key:

MCL	Maximum Contaminant Level
MDL	Minimum Detection Limit
NA	Not Applicable
ND	Not Detected at the PQL or MDL
PQL	Practical Quantitation Limit
TIC	Tentatively Identified Compounds

Qualifiers:

*	Value exceeds Maximum Contaminant Level or Regulatory Level
B	Analyte detected in the associated Method Blank
E	Value estimated due to calibration range exceedence
H	Sample extraction/analysis holding time exceeded
J	Analyte detected at less than the PQL
S	Spike/Surrogate Recovery exceeds accepted recovery limits

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**Lab Order:**	0510550
Client Sample ID:	MW-10	**Lab ID:**	0510550-05A
Project:	MSW LANDFILL	**Collection Date:**	10/11/2005
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
VOLATILE ORGANIC COMPOUNDS			**SW8260B**				
1,4-Dichlorobenzene	ND	µg/L	NA	5.0		10/19/05 8:40 AM	TC
trans-1,4-Dichloro-2-butene	ND	µg/L	NA	50.0		10/19/05 8:40 AM	TC
1,1-Dichloroethane	ND	µg/L	NA	5.0		10/19/05 8:40 AM	TC
1,2-Dichloroethane	ND	µg/L	NA	1.0		10/19/05 8:40 AM	TC
1,1-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 8:40 AM	TC
cis-1,2-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 8:40 AM	TC
trans-1,2-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 8:40 AM	TC
1,2-Dichloropropane	ND	µg/L	NA	5.0		10/19/05 8:40 AM	TC
cis-1,3-Dichloropropene	ND	µg/L	NA	5.0		10/19/05 8:40 AM	TC
trans-1,3-Dichloropropene	ND	µg/L	NA	5.0		10/19/05 8:40 AM	TC
Ethylbenzene	ND	µg/L	NA	5.0		10/19/05 8:40 AM	TC
2-Hexanone	ND	µg/L	NA	50.0		10/19/05 8:40 AM	TC
Iodomethane	ND	µg/L	NA	10.0		10/19/05 8:40 AM	TC
Methylene chloride	ND	µg/L	NA	5.0		10/19/05 8:40 AM	TC
4-Methyl-2-pentanone	ND	µg/L	NA	50.0		10/19/05 8:40 AM	TC
Styrene	ND	µg/L	NA	5.0		10/19/05 8:40 AM	TC
1,1,1,2-Tetrachloroethane	ND	µg/L	NA	5.0		10/19/05 8:40 AM	TC
1,1,2,2-Tetrachloroethane	ND	µg/L	NA	5.0		10/19/05 8:40 AM	TC
Tetrachloroethene	ND	µg/L	NA	1.0		10/19/05 8:40 AM	TC
Toluene	ND	µg/L	NA	5.0		10/19/05 8:40 AM	TC
1,1,1-Trichloroethane	ND	µg/L	NA	5.0		10/19/05 8:40 AM	TC
1,1,2-Trichloroethane	ND	µg/L	NA	5.0		10/19/05 8:40 AM	TC
Trichloroethene	ND	µg/L	NA	1.0		10/19/05 8:40 AM	TC
Trichlorofluoromethane	ND	µg/L	NA	5.0		10/19/05 8:40 AM	TC
1,2,3-Trichloropropane	ND	µg/L	NA	5.0		10/19/05 8:40 AM	TC
Vinyl acetate	ND	µg/L	NA	25.0		10/19/05 8:40 AM	TC
Vinyl chloride	ND	µg/L	NA	1.0		10/19/05 8:40 AM	TC
o-Xylene	ND	µg/L	NA	5.0		10/19/05 8:40 AM	TC
m,p-Xylene	ND	µg/L	NA	5.0		10/19/05 8:40 AM	TC
Surr: 1,2-Dichloroethane-d4	111	%REC	NA	80-120		10/19/05 8:40 AM	TC
Surr: 4-Bromofluorobenzene	124	%REC	NA	86-115	S	10/19/05 8:40 AM	TC
Surr: Dibromofluoromethane	106	%REC	NA	80-120		10/19/05 8:40 AM	TC
Surr: Toluene-d8	101	%REC	NA	88-110		10/19/05 8:40 AM	TC

Key:

MCL	Maximum Contaminant Level
MDL	Minimum Detection Limit
NA	Not Applicable
ND	Not Detected at the PQL or MDL
PQL	Practical Quantitation Limit
TIC	Tentatively Identified Compounds

Qualifiers:

*	Value exceeds Maximum Contaminant Level or Regulatory Level
B	Analyte detected in the associated Method Blank
E	Value estimated due to calibration range exceedence
H	Sample extraction/analysis holding time exceeded
J	Analyte detected at less than the PQL
S	Spike/Surrogate Recovery exceeds accepted recovery limits

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**Lab Order:**	0510550
Client Sample ID:	MW-14	**Lab ID:**	0510550-06A
Project:	MSW LANDFILL	**Collection Date:**	10/11/2005
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
TOTAL SUSPENDED SOLIDS			**SM2540 D**				
Total Suspended Solids	258	mg/L	1	10		10/13/05 10:45 AM	J M
TOTAL METALS BY ICP-MS			**SW6020**				
Antimony	ND	mg/L	NA	0.0300		11/17/05 6:23 PM	BP
Arsenic	ND	mg/L	NA	0.0100		11/17/05 6:23 PM	BP
Barium	ND	mg/L	NA	0.500		11/17/05 6:23 PM	BP
Beryllium	ND	mg/L	NA	0.0020		11/17/05 6:23 PM	BP
Cadmium	ND	mg/L	NA	0.0010		11/17/05 6:23 PM	BP
Chromium	ND	mg/L	NA	0.0100		11/17/05 6:23 PM	BP
Cobalt	ND	mg/L	NA	0.0100		11/17/05 6:23 PM	BP
Copper	ND	mg/L	NA	0.200		11/17/05 6:23 PM	BP
Lead	ND	mg/L	NA	0.0100		11/17/05 6:23 PM	BP
Nickel	ND	mg/L	NA	0.0500		11/17/05 6:23 PM	BP
Selenium	ND	mg/L	NA	0.0200		11/17/05 6:23 PM	BP
Silver	ND	mg/L	NA	0.0100		11/17/05 6:23 PM	BP
Thallium	ND	mg/L	NA	0.0100		11/17/05 6:23 PM	BP
Vanadium	ND	mg/L	NA	0.0400		11/17/05 6:23 PM	BP
Zinc	ND	mg/L	NA	0.0500		11/17/05 6:23 PM	BP
VOLATILE ORGANIC COMPOUNDS			**SW8260B**				
Acetone	ND	µg/L	NA	50.0		10/19/05 9:17 AM	TC
Acrylonitrile	ND	µg/L	NA	25.0		10/19/05 9:17 AM	TC
Benzene	ND	µg/L	NA	1.0		10/19/05 9:17 AM	TC
Bromochloromethane	ND	µg/L	NA	5.0		10/19/05 9:17 AM	TC
Bromodichloromethane	ND	µg/L	NA	1.0		10/19/05 9:17 AM	TC
Bromoform	ND	µg/L	NA	5.0		10/19/05 9:17 AM	TC
Bromomethane	ND	µg/L	NA	5.0		10/19/05 9:17 AM	TC
2-Butanone	ND	µg/L	NA	50.0		10/19/05 9:17 AM	TC
Carbon disulfide	ND	µg/L	NA	25.0		10/19/05 9:17 AM	TC
Carbon tetrachloride	ND	µg/L	NA	5.0		10/19/05 9:17 AM	TC
Chlorobenzene	ND	µg/L	NA	5.0		10/19/05 9:17 AM	TC
Chloroethane	ND	µg/L	NA	5.0		10/19/05 9:17 AM	TC
Chloroform	ND	µg/L	NA	1.0		10/19/05 9:17 AM	TC
Chloromethane	ND	µg/L	NA	5.0		10/19/05 9:17 AM	TC
Dibromochloromethane	ND	µg/L	NA	5.0		10/19/05 9:17 AM	TC
1,2-Dibromo-3-chloropropane	ND	µg/L	NA	1.0		10/19/05 9:17 AM	TC
1,2-Dibromoethane	ND	µg/L	NA	1.0		10/19/05 9:17 AM	TC
Dibromomethane	ND	µg/L	NA	5.0		10/19/05 9:17 AM	TC
1,2-Dichlorobenzene	ND	µg/L	NA	5.0		10/19/05 9:17 AM	TC

Key:

MCL	Maximum Contaminant Level
MDL	Minimum Detection Limit
NA	Not Applicable
ND	Not Detected at the PQL or MDL
PQL	Practical Quantitation Limit
TIC	Tentatively Identified Compounds

Qualifiers:

*	Value exceeds Maximum Contaminant Level or Regulatory Level
B	Analyte detected in the associated Method Blank
E	Value estimated due to calibration range exceedence
H	Sample extraction/analysis holding time exceeded
J	Analyte detected at less than the PQL
S	Spike/Surrogate Recovery exceeds accepted recovery limits

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**Lab Order:**	0510550
Client Sample ID:	MW-14	**Lab ID:**	0510550-06A
Project:	MSW LANDFILL	**Collection Date:**	10/11/2005
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
VOLATILE ORGANIC COMPOUNDS			**SW8260B**				
1,4-Dichlorobenzene	ND	µg/L	NA	5.0		10/19/05 9:17 AM	TC
trans-1,4-Dichloro-2-butene	ND	µg/L	NA	50.0		10/19/05 9:17 AM	TC
1,1-Dichloroethane	ND	µg/L	NA	5.0		10/19/05 9:17 AM	TC
1,2-Dichloroethane	ND	µg/L	NA	1.0		10/19/05 9:17 AM	TC
1,1-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 9:17 AM	TC
cis-1,2-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 9:17 AM	TC
trans-1,2-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 9:17 AM	TC
1,2-Dichloropropane	ND	µg/L	NA	5.0		10/19/05 9:17 AM	TC
cis-1,3-Dichloropropene	ND	µg/L	NA	5.0		10/19/05 9:17 AM	TC
trans-1,3-Dichloropropene	ND	µg/L	NA	5.0		10/19/05 9:17 AM	TC
Ethylbenzene	ND	µg/L	NA	5.0		10/19/05 9:17 AM	TC
2-Hexanone	ND	µg/L	NA	50.0		10/19/05 9:17 AM	TC
Iodomethane	ND	µg/L	NA	10.0		10/19/05 9:17 AM	TC
Methylene chloride	ND	µg/L	NA	5.0		10/19/05 9:17 AM	TC
4-Methyl-2-pentanone	ND	µg/L	NA	50.0		10/19/05 9:17 AM	TC
Styrene	ND	µg/L	NA	5.0		10/19/05 9:17 AM	TC
1,1,1,2-Tetrachloroethane	ND	µg/L	NA	5.0		10/19/05 9:17 AM	TC
1,1,2,2-Tetrachloroethane	ND	µg/L	NA	5.0		10/19/05 9:17 AM	TC
Tetrachloroethene	ND	µg/L	NA	1.0		10/19/05 9:17 AM	TC
Toluene	ND	µg/L	NA	5.0		10/19/05 9:17 AM	TC
1,1,1-Trichloroethane	ND	µg/L	NA	5.0		10/19/05 9:17 AM	TC
1,1,2-Trichloroethane	ND	µg/L	NA	5.0		10/19/05 9:17 AM	TC
Trichloroethene	ND	µg/L	NA	1.0		10/19/05 9:17 AM	TC
Trichlorofluoromethane	ND	µg/L	NA	5.0		10/19/05 9:17 AM	TC
1,2,3-Trichloropropane	ND	µg/L	NA	5.0		10/19/05 9:17 AM	TC
Vinyl acetate	ND	µg/L	NA	25.0		10/19/05 9:17 AM	TC
Vinyl chloride	ND	µg/L	NA	1.0		10/19/05 9:17 AM	TC
o-Xylene	ND	µg/L	NA	5.0		10/19/05 9:17 AM	TC
m,p-Xylene	ND	µg/L	NA	5.0		10/19/05 9:17 AM	TC
Surr: 1,2-Dichloroethane-d4	109	%REC	NA	80-120		10/19/05 9:17 AM	TC
Surr: 4-Bromofluorobenzene	112	%REC	NA	86-115		10/19/05 9:17 AM	TC
Surr: Dibromofluoromethane	107	%REC	NA	80-120		10/19/05 9:17 AM	TC
Surr: Toluene-d8	101	%REC	NA	88-110		10/19/05 9:17 AM	TC

Key:

MCL	Maximum Contaminant Level
MDL	Minimum Detection Limit
NA	Not Applicable
ND	Not Detected at the PQL or MDL
PQL	Practical Quantitation Limit
TIC	Tentatively Identified Compounds

Qualifiers:

*	Value exceeds Maximum Contaminant Level or Regulatory Level
B	Analyte detected in the associated Method Blank
E	Value estimated due to calibration range exceedence
H	Sample extraction/analysis holding time exceeded
J	Analyte detected at less than the PQL
S	Spike/Surrogate Recovery exceeds accepted recovery limits

REI Consultants Inc. — Analytical Results — Date: 27-Feb-06

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**Lab Order:**	0510550
Client Sample ID:	MW-15	**Lab ID:**	0510550-07A
Project:	MSW LANDFILL	**Collection Date:**	10/11/2005
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
TOTAL SUSPENDED SOLIDS			**SM2540 D**				
Total Suspended Solids	1130	mg/L	1	10		10/13/05 10:45 AM	J M
TOTAL METALS BY ICP-MS			**SW6020**				
Antimony	ND	mg/L	NA	0.0300		11/17/05 6:40 PM	BP
Arsenic	ND	mg/L	NA	0.0100		11/17/05 6:40 PM	BP
Barium	0.505	mg/L	NA	0.500		11/17/05 6:40 PM	BP
Beryllium	ND	mg/L	NA	0.0020		11/17/05 6:40 PM	BP
Cadmium	ND	mg/L	NA	0.0010		11/17/05 6:40 PM	BP
Chromium	ND	mg/L	NA	0.0100		11/17/05 6:40 PM	BP
Cobalt	0.0187	mg/L	NA	0.0100		11/17/05 6:40 PM	BP
Copper	ND	mg/L	NA	0.200		11/17/05 6:40 PM	BP
Lead	ND	mg/L	NA	0.0100		11/17/05 6:40 PM	BP
Nickel	ND	mg/L	NA	0.0500		11/17/05 6:40 PM	BP
Selenium	ND	mg/L	NA	0.0200		11/17/05 6:40 PM	BP
Silver	ND	mg/L	NA	0.0100		11/17/05 6:40 PM	BP
Thallium	ND	mg/L	NA	0.0100		11/17/05 6:40 PM	BP
Vanadium	ND	mg/L	NA	0.0400		11/17/05 6:40 PM	BP
Zinc	ND	mg/L	NA	0.0500		11/17/05 6:40 PM	BP
VOLATILE ORGANIC COMPOUNDS			**SW8260B**				
Acetone	ND	µg/L	NA	50.0		10/19/05 9:53 AM	TC
Acrylonitrile	ND	µg/L	NA	25.0		10/19/05 9:53 AM	TC
Benzene	ND	µg/L	NA	1.0		10/19/05 9:53 AM	TC
Bromochloromethane	ND	µg/L	NA	5.0		10/19/05 9:53 AM	TC
Bromodichloromethane	ND	µg/L	NA	1.0		10/19/05 9:53 AM	TC
Bromoform	ND	µg/L	NA	5.0		10/19/05 9:53 AM	TC
Bromomethane	ND	µg/L	NA	5.0		10/19/05 9:53 AM	TC
2-Butanone	ND	µg/L	NA	50.0		10/19/05 9:53 AM	TC
Carbon disulfide	ND	µg/L	NA	25.0		10/19/05 9:53 AM	TC
Carbon tetrachloride	ND	µg/L	NA	5.0		10/19/05 9:53 AM	TC
Chlorobenzene	ND	µg/L	NA	5.0		10/19/05 9:53 AM	TC
Chloroethane	ND	µg/L	NA	5.0		10/19/05 9:53 AM	TC
Chloroform	ND	µg/L	NA	1.0		10/19/05 9:53 AM	TC
Chloromethane	ND	µg/L	NA	5.0		10/19/05 9:53 AM	TC
Dibromochloromethane	ND	µg/L	NA	5.0		10/19/05 9:53 AM	TC
1,2-Dibromo-3-chloropropane	ND	µg/L	NA	1.0		10/19/05 9:53 AM	TC
1,2-Dibromoethane	ND	µg/L	NA	1.0		10/19/05 9:53 AM	TC
Dibromomethane	ND	µg/L	NA	5.0		10/19/05 9:53 AM	TC
1,2-Dichlorobenzene	ND	µg/L	NA	5.0		10/19/05 9:53 AM	TC

Key:

MCL	Maximum Contaminant Level
MDL	Minimum Detection Limit
NA	Not Applicable
ND	Not Detected at the PQL or MDL
PQL	Practical Quantitation Limit
TIC	Tentatively Identified Compounds

Qualifiers:

*	Value exceeds Maximum Contaminant Level or Regulatory Level
B	Analyte detected in the associated Method Blank
E	Value estimated due to calibration range exceedence
H	Sample extraction/analysis holding time exceeded
J	Analyte detected at less than the PQL
S	Spike/Surrogate Recovery exceeds accepted recovery limits

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**Lab Order:**	0510550
Client Sample ID:	MW-15	**Lab ID:**	0510550-07A
Project:	MSW LANDFILL	**Collection Date:**	10/11/2005
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
VOLATILE ORGANIC COMPOUNDS			**SW8260B**				
1,4-Dichlorobenzene	ND	µg/L	NA	5.0		10/19/05 9:53 AM	TC
trans-1,4-Dichloro-2-butene	ND	µg/L	NA	50.0		10/19/05 9:53 AM	TC
1,1-Dichloroethane	ND	µg/L	NA	5.0		10/19/05 9:53 AM	TC
1,2-Dichloroethane	ND	µg/L	NA	1.0		10/19/05 9:53 AM	TC
1,1-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 9:53 AM	TC
cis-1,2-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 9:53 AM	TC
trans-1,2-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 9:53 AM	TC
1,2-Dichloropropane	ND	µg/L	NA	5.0		10/19/05 9:53 AM	TC
cis-1,3-Dichloropropene	ND	µg/L	NA	5.0		10/19/05 9:53 AM	TC
trans-1,3-Dichloropropene	ND	µg/L	NA	5.0		10/19/05 9:53 AM	TC
Ethylbenzene	ND	µg/L	NA	5.0		10/19/05 9:53 AM	TC
2-Hexanone	ND	µg/L	NA	50.0		10/19/05 9:53 AM	TC
Iodomethane	ND	µg/L	NA	10.0		10/19/05 9:53 AM	TC
Methylene chloride	ND	µg/L	NA	5.0		10/19/05 9:53 AM	TC
4-Methyl-2-pentanone	ND	µg/L	NA	50.0		10/19/05 9:53 AM	TC
Styrene	ND	µg/L	NA	5.0		10/19/05 9:53 AM	TC
1,1,1,2-Tetrachloroethane	ND	µg/L	NA	5.0		10/19/05 9:53 AM	TC
1,1,2,2-Tetrachloroethane	ND	µg/L	NA	5.0		10/19/05 9:53 AM	TC
Tetrachloroethene	ND	µg/L	NA	1.0		10/19/05 9:53 AM	TC
Toluene	ND	µg/L	NA	5.0		10/19/05 9:53 AM	TC
1,1,1-Trichloroethane	ND	µg/L	NA	5.0		10/19/05 9:53 AM	TC
1,1,2-Trichloroethane	ND	µg/L	NA	5.0		10/19/05 9:53 AM	TC
Trichloroethene	ND	µg/L	NA	1.0		10/19/05 9:53 AM	TC
Trichlorofluoromethane	ND	µg/L	NA	5.0		10/19/05 9:53 AM	TC
1,2,3-Trichloropropane	ND	µg/L	NA	5.0		10/19/05 9:53 AM	TC
Vinyl acetate	ND	µg/L	NA	25.0		10/19/05 9:53 AM	TC
Vinyl chloride	ND	µg/L	NA	1.0		10/19/05 9:53 AM	TC
o-Xylene	ND	µg/L	NA	5.0		10/19/05 9:53 AM	TC
m,p-Xylene	ND	µg/L	NA	5.0		10/19/05 9:53 AM	TC
Surr: 1,2-Dichloroethane-d4	112	%REC	NA	80-120		10/19/05 9:53 AM	TC
Surr: 4-Bromofluorobenzene	117	%REC	NA	86-115	S	10/19/05 9:53 AM	TC
Surr: Dibromofluoromethane	108	%REC	NA	80-120		10/19/05 9:53 AM	TC
Surr: Toluene-d8	104	%REC	NA	88-110		10/19/05 9:53 AM	TC

Key:

MCL	Maximum Contaminant Level
MDL	Minimum Detection Limit
NA	Not Applicable
ND	Not Detected at the PQL or MDL
PQL	Practical Quantitation Limit
TIC	Tentatively Identified Compounds

Qualifiers:

*	Value exceeds Maximum Contaminant Level or Regulatory Level
B	Analyte detected in the associated Method Blank
E	Value estimated due to calibration range exceedence
H	Sample extraction/analysis holding time exceeded
J	Analyte detected at less than the PQL
S	Spike/Surrogate Recovery exceeds accepted recovery limits

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**Lab Order:**	0510550
Client Sample ID:	MW-17	**Lab ID:**	0510550-08A
Project:	MSW LANDFILL	**Collection Date:**	10/11/2005
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
TOTAL SUSPENDED SOLIDS			**SM2540 D**				
Total Suspended Solids	206	mg/L	1	10		10/13/05 10:45 AM	J M
TOTAL METALS BY ICP-MS			**SW6020**				
Antimony	ND	mg/L	NA	0.0300		11/17/05 6:45 PM	BP
Arsenic	ND	mg/L	NA	0.0100		11/17/05 6:45 PM	BP
Barium	ND	mg/L	NA	0.500		11/17/05 6:45 PM	BP
Beryllium	ND	mg/L	NA	0.0020		11/17/05 6:45 PM	BP
Cadmium	ND	mg/L	NA	0.0010		11/17/05 6:45 PM	BP
Chromium	ND	mg/L	NA	0.0100		11/17/05 6:45 PM	BP
Cobalt	ND	mg/L	NA	0.0100		11/17/05 6:45 PM	BP
Copper	ND	mg/L	NA	0.200		11/17/05 6:45 PM	BP
Lead	ND	mg/L	NA	0.0100		11/17/05 6:45 PM	BP
Nickel	ND	mg/L	NA	0.0500		11/17/05 6:45 PM	BP
Selenium	ND	mg/L	NA	0.0200		11/17/05 6:45 PM	BP
Silver	ND	mg/L	NA	0.0100		11/17/05 6:45 PM	BP
Thallium	ND	mg/L	NA	0.0100		11/17/05 6:45 PM	BP
Vanadium	ND	mg/L	NA	0.0400		11/17/05 6:45 PM	BP
Zinc	ND	mg/L	NA	0.0500		11/17/05 6:45 PM	BP
VOLATILE ORGANIC COMPOUNDS			**SW8260B**				
Acetone	ND	µg/L	NA	50.0		10/19/05 10:30 AM	TC
Acrylonitrile	ND	µg/L	NA	25.0		10/19/05 10:30 AM	TC
Benzene	ND	µg/L	NA	1.0		10/19/05 10:30 AM	TC
Bromochloromethane	ND	µg/L	NA	5.0		10/19/05 10:30 AM	TC
Bromodichloromethane	ND	µg/L	NA	1.0		10/19/05 10:30 AM	TC
Bromoform	ND	µg/L	NA	5.0		10/19/05 10:30 AM	TC
Bromomethane	ND	µg/L	NA	5.0		10/19/05 10:30 AM	TC
2-Butanone	ND	µg/L	NA	50.0		10/19/05 10:30 AM	TC
Carbon disulfide	ND	µg/L	NA	25.0		10/19/05 10:30 AM	TC
Carbon tetrachloride	ND	µg/L	NA	5.0		10/19/05 10:30 AM	TC
Chlorobenzene	ND	µg/L	NA	5.0		10/19/05 10:30 AM	TC
Chloroethane	ND	µg/L	NA	5.0		10/19/05 10:30 AM	TC
Chloroform	ND	µg/L	NA	1.0		10/19/05 10:30 AM	TC
Chloromethane	ND	µg/L	NA	5.0		10/19/05 10:30 AM	TC
Dibromochloromethane	ND	µg/L	NA	5.0		10/19/05 10:30 AM	TC
1,2-Dibromo-3-chloropropane	ND	µg/L	NA	1.0		10/19/05 10:30 AM	TC
1,2-Dibromoethane	ND	µg/L	NA	1.0		10/19/05 10:30 AM	TC
Dibromomethane	ND	µg/L	NA	5.0		10/19/05 10:30 AM	TC
1,2-Dichlorobenzene	ND	µg/L	NA	5.0		10/19/05 10:30 AM	TC

Key:

MCL	Maximum Contaminant Level
MDL	Minimum Detection Limit
NA	Not Applicable
ND	Not Detected at the PQL or MDL
PQL	Practical Quantitation Limit
TIC	Tentatively Identified Compounds

Qualifiers:

*	Value exceeds Maximum Contaminant Level or Regulatory Level
B	Analyte detected in the associated Method Blank
E	Value estimated due to calibration range exceedence
H	Sample extraction/analysis holding time exceeded
J	Analyte detected at less than the PQL
S	Spike/Surrogate Recovery exceeds accepted recovery limits

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**Lab Order:**	0510550
Client Sample ID:	MW-17	**Lab ID:**	0510550-08A
Project:	MSW LANDFILL	**Collection Date:**	10/11/2005
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
VOLATILE ORGANIC COMPOUNDS			**SW8260B**				
1,4-Dichlorobenzene	ND	µg/L	NA	5.0		10/19/05 10:30 AM	TC
trans-1,4-Dichloro-2-butene	ND	µg/L	NA	50.0		10/19/05 10:30 AM	TC
1,1-Dichloroethane	ND	µg/L	NA	5.0		10/19/05 10:30 AM	TC
1,2-Dichloroethane	ND	µg/L	NA	1.0		10/19/05 10:30 AM	TC
1,1-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 10:30 AM	TC
cis-1,2-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 10:30 AM	TC
trans-1,2-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 10:30 AM	TC
1,2-Dichloropropane	ND	µg/L	NA	5.0		10/19/05 10:30 AM	TC
cis-1,3-Dichloropropene	ND	µg/L	NA	5.0		10/19/05 10:30 AM	TC
trans-1,3-Dichloropropene	ND	µg/L	NA	5.0		10/19/05 10:30 AM	TC
Ethylbenzene	ND	µg/L	NA	5.0		10/19/05 10:30 AM	TC
2-Hexanone	ND	µg/L	NA	50.0		10/19/05 10:30 AM	TC
Iodomethane	ND	µg/L	NA	10.0		10/19/05 10:30 AM	TC
Methylene chloride	ND	µg/L	NA	5.0		10/19/05 10:30 AM	TC
4-Methyl-2-pentanone	ND	µg/L	NA	50.0		10/19/05 10:30 AM	TC
Styrene	ND	µg/L	NA	5.0		10/19/05 10:30 AM	TC
1,1,1,2-Tetrachloroethane	ND	µg/L	NA	5.0		10/19/05 10:30 AM	TC
1,1,2,2-Tetrachloroethane	ND	µg/L	NA	5.0		10/19/05 10:30 AM	TC
Tetrachloroethene	ND	µg/L	NA	1.0		10/19/05 10:30 AM	TC
Toluene	ND	µg/L	NA	5.0		10/19/05 10:30 AM	TC
1,1,1-Trichloroethane	ND	µg/L	NA	5.0		10/19/05 10:30 AM	TC
1,1,2-Trichloroethane	ND	µg/L	NA	5.0		10/19/05 10:30 AM	TC
Trichloroethene	ND	µg/L	NA	1.0		10/19/05 10:30 AM	TC
Trichlorofluoromethane	ND	µg/L	NA	5.0		10/19/05 10:30 AM	TC
1,2,3-Trichloropropane	ND	µg/L	NA	5.0		10/19/05 10:30 AM	TC
Vinyl acetate	ND	µg/L	NA	25.0		10/19/05 10:30 AM	TC
Vinyl chloride	ND	µg/L	NA	1.0		10/19/05 10:30 AM	TC
o-Xylene	ND	µg/L	NA	5.0		10/19/05 10:30 AM	TC
m,p-Xylene	ND	µg/L	NA	5.0		10/19/05 10:30 AM	TC
Surr: 1,2-Dichloroethane-d4	112	%REC	NA	80-120		10/19/05 10:30 AM	TC
Surr: 4-Bromofluorobenzene	112	%REC	NA	86-115		10/19/05 10:30 AM	TC
Surr: Dibromofluoromethane	106	%REC	NA	80-120		10/19/05 10:30 AM	TC
Surr: Toluene-d8	103	%REC	NA	88-110		10/19/05 10:30 AM	TC

Key:

MCL	Maximum Contaminant Level
MDL	Minimum Detection Limit
NA	Not Applicable
ND	Not Detected at the PQL or MDL
PQL	Practical Quantitation Limit
TIC	Tentatively Identified Compounds

Qualifiers:

*	Value exceeds Maximum Contaminant Level or Regulatory Level
B	Analyte detected in the associated Method Blank
E	Value estimated due to calibration range exceedence
H	Sample extraction/analysis holding time exceeded
J	Analyte detected at less than the PQL
S	Spike/Surrogate Recovery exceeds accepted recovery limits

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**Lab Order:**	0510550
Client Sample ID:	MW-18	**Lab ID:**	0510550-09A
Project:	MSW LANDFILL	**Collection Date:**	10/11/2005
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	MDL	PQL	Qual Date Analyzed	Analyst
TOTAL SUSPENDED SOLIDS			**SM2540 D**			
Total Suspended Solids	517	mg/L	1	10	10/13/05 10:45 AM	J M
TOTAL METALS BY ICP-MS			**SW6020**			
Antimony	ND	mg/L	NA	0.0300	11/17/05 6:51 PM	BP
Arsenic	ND	mg/L	NA	0.0100	11/17/05 6:51 PM	BP
Barium	ND	mg/L	NA	0.500	11/17/05 6:51 PM	BP
Beryllium	ND	mg/L	NA	0.0020	11/17/05 6:51 PM	BP
Cadmium	ND	mg/L	NA	0.0010	11/17/05 6:51 PM	BP
Chromium	ND	mg/L	NA	0.0100	11/17/05 6:51 PM	BP
Cobalt	ND	mg/L	NA	0.0100	11/17/05 6:51 PM	BP
Copper	ND	mg/L	NA	0.200	11/17/05 6:51 PM	BP
Lead	ND	mg/L	NA	0.0100	11/17/05 6:51 PM	BP
Nickel	ND	mg/L	NA	0.0500	11/17/05 6:51 PM	BP
Selenium	ND	mg/L	NA	0.0200	11/17/05 6:51 PM	BP
Silver	ND	mg/L	NA	0.0100	11/17/05 6:51 PM	BP
Thallium	ND	mg/L	NA	0.0100	11/17/05 6:51 PM	BP
Vanadium	ND	mg/L	NA	0.0400	11/17/05 6:51 PM	BP
Zinc	ND	mg/L	NA	0.0500	11/17/05 6:51 PM	BP
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			
Acetone	ND	µg/L	NA	50.0	10/19/05 11:06 AM	TC
Acrylonitrile	ND	µg/L	NA	25.0	10/19/05 11:06 AM	TC
Benzene	ND	µg/L	NA	1.0	10/19/05 11:06 AM	TC
Bromochloromethane	ND	µg/L	NA	5.0	10/19/05 11:06 AM	TC
Bromodichloromethane	ND	µg/L	NA	1.0	10/19/05 11:06 AM	TC
Bromoform	ND	µg/L	NA	5.0	10/19/05 11:06 AM	TC
Bromomethane	ND	µg/L	NA	5.0	10/19/05 11:06 AM	TC
2-Butanone	ND	µg/L	NA	50.0	10/19/05 11:06 AM	TC
Carbon disulfide	ND	µg/L	NA	25.0	10/19/05 11:06 AM	TC
Carbon tetrachloride	ND	µg/L	NA	5.0	10/19/05 11:06 AM	TC
Chlorobenzene	ND	µg/L	NA	5.0	10/19/05 11:06 AM	TC
Chloroethane	ND	µg/L	NA	5.0	10/19/05 11:06 AM	TC
Chloroform	ND	µg/L	NA	1.0	10/19/05 11:06 AM	TC
Chloromethane	ND	µg/L	NA	5.0	10/19/05 11:06 AM	TC
Dibromochloromethane	ND	µg/L	NA	5.0	10/19/05 11:06 AM	TC
1,2-Dibromo-3-chloropropane	ND	µg/L	NA	1.0	10/19/05 11:06 AM	TC
1,2-Dibromoethane	ND	µg/L	NA	1.0	10/19/05 11:06 AM	TC
Dibromomethane	ND	µg/L	NA	5.0	10/19/05 11:06 AM	TC
1,2-Dichlorobenzene	ND	µg/L	NA	5.0	10/19/05 11:06 AM	TC

Key:

MCL	Maximum Contaminant Level
MDL	Minimum Detection Limit
NA	Not Applicable
ND	Not Detected at the PQL or MDL
PQL	Practical Quantitation Limit
TIC	Tentatively Identified Compounds

Qualifiers:

*	Value exceeds Maximum Contaminant Level or Regulatory Level
B	Analyte detected in the associated Method Blank
E	Value estimated due to calibration range exceedence
H	Sample extraction/analysis holding time exceeded
J	Analyte detected at less than the PQL
S	Spike/Surrogate Recovery exceeds accepted recovery limits

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**Lab Order:**	0510550
Client Sample ID:	MW-18	**Lab ID:**	0510550-09A
Project:	MSW LANDFILL	**Collection Date:**	10/11/2005
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
VOLATILE ORGANIC COMPOUNDS			**SW8260B**				
1,4-Dichlorobenzene	ND	µg/L	NA	5.0		10/19/05 11:06 AM	TC
trans-1,4-Dichloro-2-butene	ND	µg/L	NA	50.0		10/19/05 11:06 AM	TC
1,1-Dichloroethane	ND	µg/L	NA	5.0		10/19/05 11:06 AM	TC
1,2-Dichloroethane	ND	µg/L	NA	1.0		10/19/05 11:06 AM	TC
1,1-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 11:06 AM	TC
cis-1,2-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 11:06 AM	TC
trans-1,2-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 11:06 AM	TC
1,2-Dichloropropane	ND	µg/L	NA	5.0		10/19/05 11:06 AM	TC
cis-1,3-Dichloropropene	ND	µg/L	NA	5.0		10/19/05 11:06 AM	TC
trans-1,3-Dichloropropene	ND	µg/L	NA	5.0		10/19/05 11:06 AM	TC
Ethylbenzene	ND	µg/L	NA	5.0		10/19/05 11:06 AM	TC
2-Hexanone	ND	µg/L	NA	50.0		10/19/05 11:06 AM	TC
Iodomethane	ND	µg/L	NA	10.0		10/19/05 11:06 AM	TC
Methylene chloride	ND	µg/L	NA	5.0		10/19/05 11:06 AM	TC
4-Methyl-2-pentanone	ND	µg/L	NA	50.0		10/19/05 11:06 AM	TC
Styrene	ND	µg/L	NA	5.0		10/19/05 11:06 AM	TC
1,1,1,2-Tetrachloroethane	ND	µg/L	NA	5.0		10/19/05 11:06 AM	TC
1,1,2,2-Tetrachloroethane	ND	µg/L	NA	5.0		10/19/05 11:06 AM	TC
Tetrachloroethene	ND	µg/L	NA	1.0		10/19/05 11:06 AM	TC
Toluene	ND	µg/L	NA	5.0		10/19/05 11:06 AM	TC
1,1,1-Trichloroethane	ND	µg/L	NA	5.0		10/19/05 11:06 AM	TC
1,1,2-Trichloroethane	ND	µg/L	NA	5.0		10/19/05 11:06 AM	TC
Trichloroethene	ND	µg/L	NA	1.0		10/19/05 11:06 AM	TC
Trichlorofluoromethane	ND	µg/L	NA	5.0		10/19/05 11:06 AM	TC
1,2,3-Trichloropropane	ND	µg/L	NA	5.0		10/19/05 11:06 AM	TC
Vinyl acetate	ND	µg/L	NA	25.0		10/19/05 11:06 AM	TC
Vinyl chloride	ND	µg/L	NA	1.0		10/19/05 11:06 AM	TC
o-Xylene	ND	µg/L	NA	5.0		10/19/05 11:06 AM	TC
m,p-Xylene	ND	µg/L	NA	5.0		10/19/05 11:06 AM	TC
Surr: 1,2-Dichloroethane-d4	110	%REC	NA	80-120		10/19/05 11:06 AM	TC
Surr: 4-Bromofluorobenzene	117	%REC	NA	86-115	S	10/19/05 11:06 AM	TC
Surr: Dibromofluoromethane	107	%REC	NA	80-120		10/19/05 11:06 AM	TC
Surr: Toluene-d8	102	%REC	NA	88-110		10/19/05 11:06 AM	TC

Key:

MCL	Maximum Contaminant Level
MDL	Minimum Detection Limit
NA	Not Applicable
ND	Not Detected at the PQL or MDL
PQL	Practical Quantitation Limit
TIC	Tentatively Identified Compounds

Qualifiers:

*	Value exceeds Maximum Contaminant Level or Regulatory Level
B	Analyte detected in the associated Method Blank
E	Value estimated due to calibration range exceedence
H	Sample extraction/analysis holding time exceeded
J	Analyte detected at less than the PQL
S	Spike/Surrogate Recovery exceeds accepted recovery limits

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**Lab Order:**	0510550
Client Sample ID:	MW-19	**Lab ID:**	0510550-10A
Project:	MSW LANDFILL	**Collection Date:**	10/11/2005
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
TOTAL SUSPENDED SOLIDS			**SM2540 D**				
Total Suspended Solids	617	mg/L	1	10		10/13/05 10:45 AM	J M
TOTAL METALS BY ICP-MS			**SW6020**				
Antimony	ND	mg/L	NA	0.0300		11/17/05 6:57 PM	BP
Arsenic	ND	mg/L	NA	0.0100		11/17/05 6:57 PM	BP
Barium	1.06	mg/L	NA	0.500		11/17/05 6:57 PM	BP
Beryllium	ND	mg/L	NA	0.0020		11/17/05 6:57 PM	BP
Cadmium	ND	mg/L	NA	0.0010		11/17/05 6:57 PM	BP
Chromium	ND	mg/L	NA	0.0100		11/17/05 6:57 PM	BP
Cobalt	ND	mg/L	NA	0.0100		11/17/05 6:57 PM	BP
Copper	ND	mg/L	NA	0.200		11/17/05 6:57 PM	BP
Lead	0.0161	mg/L	NA	0.0100		11/17/05 6:57 PM	BP
Nickel	ND	mg/L	NA	0.0500		11/17/05 6:57 PM	BP
Selenium	ND	mg/L	NA	0.0200		11/17/05 6:57 PM	BP
Silver	ND	mg/L	NA	0.0100		11/17/05 6:57 PM	BP
Thallium	ND	mg/L	NA	0.0100		11/17/05 6:57 PM	BP
Vanadium	ND	mg/L	NA	0.0400		11/17/05 6:57 PM	BP
Zinc	ND	mg/L	NA	0.0500		11/17/05 6:57 PM	BP
VOLATILE ORGANIC COMPOUNDS			**SW8260B**				
Acetone	ND	µg/L	NA	50.0		10/19/05 11:43 AM	TC
Acrylonitrile	ND	µg/L	NA	25.0		10/19/05 11:43 AM	TC
Benzene	ND	µg/L	NA	1.0		10/19/05 11:43 AM	TC
Bromochloromethane	ND	µg/L	NA	5.0		10/19/05 11:43 AM	TC
Bromodichloromethane	ND	µg/L	NA	1.0		10/19/05 11:43 AM	TC
Bromoform	ND	µg/L	NA	5.0		10/19/05 11:43 AM	TC
Bromomethane	ND	µg/L	NA	5.0		10/19/05 11:43 AM	TC
2-Butanone	ND	µg/L	NA	50.0		10/19/05 11:43 AM	TC
Carbon disulfide	ND	µg/L	NA	25.0		10/19/05 11:43 AM	TC
Carbon tetrachloride	ND	µg/L	NA	5.0		10/19/05 11:43 AM	TC
Chlorobenzene	ND	µg/L	NA	5.0		10/19/05 11:43 AM	TC
Chloroethane	ND	µg/L	NA	5.0		10/19/05 11:43 AM	TC
Chloroform	ND	µg/L	NA	1.0		10/19/05 11:43 AM	TC
Chloromethane	ND	µg/L	NA	5.0		10/19/05 11:43 AM	TC
Dibromochloromethane	ND	µg/L	NA	5.0		10/19/05 11:43 AM	TC
1,2-Dibromo-3-chloropropane	ND	µg/L	NA	1.0		10/19/05 11:43 AM	TC
1,2-Dibromoethane	ND	µg/L	NA	1.0		10/19/05 11:43 AM	TC
Dibromomethane	ND	µg/L	NA	5.0		10/19/05 11:43 AM	TC
1,2-Dichlorobenzene	ND	µg/L	NA	5.0		10/19/05 11:43 AM	TC

Key:

MCL	Maximum Contaminant Level
MDL	Minimum Detection Limit
NA	Not Applicable
ND	Not Detected at the PQL or MDL
PQL	Practical Quantitation Limit
TIC	Tentatively Identified Compounds

Qualifiers:

*	Value exceeds Maximum Contaminant Level or Regulatory Level
B	Analyte detected in the associated Method Blank
E	Value estimated due to calibration range exceedence
H	Sample extraction/analysis holding time exceeded
J	Analyte detected at less than the PQL
S	Spike/Surrogate Recovery exceeds accepted recovery limits

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**Lab Order:**	0510550
Client Sample ID:	MW-19	**Lab ID:**	0510550-10A
Project:	MSW LANDFILL	**Collection Date:**	10/11/2005
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
VOLATILE ORGANIC COMPOUNDS			**SW8260B**				
1,4-Dichlorobenzene	ND	µg/L	NA	5.0		10/19/05 11:43 AM	TC
trans-1,4-Dichloro-2-butene	ND	µg/L	NA	50.0		10/19/05 11:43 AM	TC
1,1-Dichloroethane	ND	µg/L	NA	5.0		10/19/05 11:43 AM	TC
1,2-Dichloroethane	ND	µg/L	NA	1.0		10/19/05 11:43 AM	TC
1,1-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 11:43 AM	TC
cis-1,2-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 11:43 AM	TC
trans-1,2-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 11:43 AM	TC
1,2-Dichloropropane	ND	µg/L	NA	5.0		10/19/05 11:43 AM	TC
cis-1,3-Dichloropropene	ND	µg/L	NA	5.0		10/19/05 11:43 AM	TC
trans-1,3-Dichloropropene	ND	µg/L	NA	5.0		10/19/05 11:43 AM	TC
Ethylbenzene	ND	µg/L	NA	5.0		10/19/05 11:43 AM	TC
2-Hexanone	ND	µg/L	NA	50.0		10/19/05 11:43 AM	TC
Iodomethane	ND	µg/L	NA	10.0		10/19/05 11:43 AM	TC
Methylene chloride	ND	µg/L	NA	5.0		10/19/05 11:43 AM	TC
4-Methyl-2-pentanone	ND	µg/L	NA	50.0		10/19/05 11:43 AM	TC
Styrene	ND	µg/L	NA	5.0		10/19/05 11:43 AM	TC
1,1,1,2-Tetrachloroethane	ND	µg/L	NA	5.0		10/19/05 11:43 AM	TC
1,1,2,2-Tetrachloroethane	ND	µg/L	NA	5.0		10/19/05 11:43 AM	TC
Tetrachloroethene	ND	µg/L	NA	1.0		10/19/05 11:43 AM	TC
Toluene	ND	µg/L	NA	5.0		10/19/05 11:43 AM	TC
1,1,1-Trichloroethane	ND	µg/L	NA	5.0		10/19/05 11:43 AM	TC
1,1,2-Trichloroethane	ND	µg/L	NA	5.0		10/19/05 11:43 AM	TC
Trichloroethene	ND	µg/L	NA	1.0		10/19/05 11:43 AM	TC
Trichlorofluoromethane	ND	µg/L	NA	5.0		10/19/05 11:43 AM	TC
1,2,3-Trichloropropane	ND	µg/L	NA	5.0		10/19/05 11:43 AM	TC
Vinyl acetate	ND	µg/L	NA	25.0		10/19/05 11:43 AM	TC
Vinyl chloride	ND	µg/L	NA	1.0		10/19/05 11:43 AM	TC
o-Xylene	ND	µg/L	NA	5.0		10/19/05 11:43 AM	TC
m,p-Xylene	ND	µg/L	NA	5.0		10/19/05 11:43 AM	TC
Surr: 1,2-Dichloroethane-d4	109	%REC	NA	80-120		10/19/05 11:43 AM	TC
Surr: 4-Bromofluorobenzene	107	%REC	NA	86-115		10/19/05 11:43 AM	TC
Surr: Dibromofluoromethane	105	%REC	NA	80-120		10/19/05 11:43 AM	TC
Surr: Toluene-d8	102	%REC	NA	88-110		10/19/05 11:43 AM	TC

Key:

MCL	Maximum Contaminant Level
MDL	Minimum Detection Limit
NA	Not Applicable
ND	Not Detected at the PQL or MDL
PQL	Practical Quantitation Limit
TIC	Tentatively Identified Compounds

Qualifiers:

*	Value exceeds Maximum Contaminant Level or Regulatory Level
B	Analyte detected in the associated Method Blank
E	Value estimated due to calibration range exceedence
H	Sample extraction/analysis holding time exceeded
J	Analyte detected at less than the PQL
S	Spike/Surrogate Recovery exceeds accepted recovery limits

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**Lab Order:**	0510550
Client Sample ID:	MW-19A	**Lab ID:**	0510550-11A
Project:	MSW LANDFILL	**Collection Date:**	10/11/2005
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
TOTAL SUSPENDED SOLIDS			**SM2540 D**				
Total Suspended Solids	5	mg/L	1	10	J	10/13/05 10:45 AM	J M
TOTAL METALS BY ICP-MS			**SW6020**				
Antimony	ND	mg/L	NA	0.0300		11/17/05 7:02 PM	BP
Arsenic	ND	mg/L	NA	0.0100		11/17/05 7:02 PM	BP
Barium	ND	mg/L	NA	0.500		11/17/05 7:02 PM	BP
Beryllium	ND	mg/L	NA	0.0020		11/17/05 7:02 PM	BP
Cadmium	ND	mg/L	NA	0.0010		11/17/05 7:02 PM	BP
Chromium	ND	mg/L	NA	0.0100		11/17/05 7:02 PM	BP
Cobalt	ND	mg/L	NA	0.0100		11/17/05 7:02 PM	BP
Copper	ND	mg/L	NA	0.200		11/17/05 7:02 PM	BP
Lead	ND	mg/L	NA	0.0100		11/17/05 7:02 PM	BP
Nickel	ND	mg/L	NA	0.0500		11/17/05 7:02 PM	BP
Selenium	ND	mg/L	NA	0.0200		11/17/05 7:02 PM	BP
Silver	ND	mg/L	NA	0.0100		11/17/05 7:02 PM	BP
Thallium	ND	mg/L	NA	0.0100		11/17/05 7:02 PM	BP
Vanadium	ND	mg/L	NA	0.0400		11/17/05 7:02 PM	BP
Zinc	ND	mg/L	NA	0.0500		11/17/05 7:02 PM	BP
VOLATILE ORGANIC COMPOUNDS			**SW8260B**				
Acetone	ND	µg/L	NA	50.0		10/19/05 12:20 PM	TC
Acrylonitrile	ND	µg/L	NA	25.0		10/19/05 12:20 PM	TC
Benzene	ND	µg/L	NA	1.0		10/19/05 12:20 PM	TC
Bromochloromethane	ND	µg/L	NA	5.0		10/19/05 12:20 PM	TC
Bromodichloromethane	ND	µg/L	NA	1.0		10/19/05 12:20 PM	TC
Bromoform	ND	µg/L	NA	5.0		10/19/05 12:20 PM	TC
Bromomethane	ND	µg/L	NA	5.0		10/19/05 12:20 PM	TC
2-Butanone	ND	µg/L	NA	50.0		10/19/05 12:20 PM	TC
Carbon disulfide	ND	µg/L	NA	25.0		10/19/05 12:20 PM	TC
Carbon tetrachloride	ND	µg/L	NA	5.0		10/19/05 12:20 PM	TC
Chlorobenzene	ND	µg/L	NA	5.0		10/19/05 12:20 PM	TC
Chloroethane	ND	µg/L	NA	5.0		10/19/05 12:20 PM	TC
Chloroform	ND	µg/L	NA	1.0		10/19/05 12:20 PM	TC
Chloromethane	ND	µg/L	NA	5.0		10/19/05 12:20 PM	TC
Dibromochloromethane	ND	µg/L	NA	5.0		10/19/05 12:20 PM	TC
1,2-Dibromo-3-chloropropane	ND	µg/L	NA	1.0		10/19/05 12:20 PM	TC
1,2-Dibromoethane	ND	µg/L	NA	1.0		10/19/05 12:20 PM	TC
Dibromomethane	ND	µg/L	NA	5.0		10/19/05 12:20 PM	TC
1,2-Dichlorobenzene	ND	µg/L	NA	5.0		10/19/05 12:20 PM	TC

Key:

MCL	Maximum Contaminant Level
MDL	Minimum Detection Limit
NA	Not Applicable
ND	Not Detected at the PQL or MDL
PQL	Practical Quantitation Limit
TIC	Tentatively Identified Compounds

Qualifiers:

*	Value exceeds Maximum Contaminant Level or Regulatory Level
B	Analyte detected in the associated Method Blank
E	Value estimated due to calibration range exceedence
H	Sample extraction/analysis holding time exceeded
J	Analyte detected at less than the PQL
S	Spike/Surrogate Recovery exceeds accepted recovery limits

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**Lab Order:**	0510550
Client Sample ID:	MW-19A	**Lab ID:**	0510550-11A
Project:	MSW LANDFILL	**Collection Date:**	10/11/2005
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
VOLATILE ORGANIC COMPOUNDS			**SW8260B**				
1,4-Dichlorobenzene	ND	µg/L	NA	5.0		10/19/05 12:20 PM	TC
trans-1,4-Dichloro-2-butene	ND	µg/L	NA	50.0		10/19/05 12:20 PM	TC
1,1-Dichloroethane	ND	µg/L	NA	5.0		10/19/05 12:20 PM	TC
1,2-Dichloroethane	ND	µg/L	NA	1.0		10/19/05 12:20 PM	TC
1,1-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 12:20 PM	TC
cis-1,2-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 12:20 PM	TC
trans-1,2-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 12:20 PM	TC
1,2-Dichloropropane	ND	µg/L	NA	5.0		10/19/05 12:20 PM	TC
cis-1,3-Dichloropropene	ND	µg/L	NA	5.0		10/19/05 12:20 PM	TC
trans-1,3-Dichloropropene	ND	µg/L	NA	5.0		10/19/05 12:20 PM	TC
Ethylbenzene	ND	µg/L	NA	5.0		10/19/05 12:20 PM	TC
2-Hexanone	ND	µg/L	NA	50.0		10/19/05 12:20 PM	TC
Iodomethane	ND	µg/L	NA	10.0		10/19/05 12:20 PM	TC
Methylene chloride	ND	µg/L	NA	5.0		10/19/05 12:20 PM	TC
4-Methyl-2-pentanone	ND	µg/L	NA	50.0		10/19/05 12:20 PM	TC
Styrene	ND	µg/L	NA	5.0		10/19/05 12:20 PM	TC
1,1,1,2-Tetrachloroethane	ND	µg/L	NA	5.0		10/19/05 12:20 PM	TC
1,1,2,2-Tetrachloroethane	ND	µg/L	NA	5.0		10/19/05 12:20 PM	TC
Tetrachloroethene	ND	µg/L	NA	1.0		10/19/05 12:20 PM	TC
Toluene	ND	µg/L	NA	5.0		10/19/05 12:20 PM	TC
1,1,1-Trichloroethane	ND	µg/L	NA	5.0		10/19/05 12:20 PM	TC
1,1,2-Trichloroethane	ND	µg/L	NA	5.0		10/19/05 12:20 PM	TC
Trichloroethene	ND	µg/L	NA	1.0		10/19/05 12:20 PM	TC
Trichlorofluoromethane	ND	µg/L	NA	5.0		10/19/05 12:20 PM	TC
1,2,3-Trichloropropane	ND	µg/L	NA	5.0		10/19/05 12:20 PM	TC
Vinyl acetate	ND	µg/L	NA	25.0		10/19/05 12:20 PM	TC
Vinyl chloride	ND	µg/L	NA	1.0		10/19/05 12:20 PM	TC
o-Xylene	ND	µg/L	NA	5.0		10/19/05 12:20 PM	TC
m,p-Xylene	ND	µg/L	NA	5.0		10/19/05 12:20 PM	TC
Surr: 1,2-Dichloroethane-d4	108	%REC	NA	80-120		10/19/05 12:20 PM	TC
Surr: 4-Bromofluorobenzene	117	%REC	NA	86-115	S	10/19/05 12:20 PM	TC
Surr: Dibromofluoromethane	104	%REC	NA	80-120		10/19/05 12:20 PM	TC
Surr: Toluene-d8	104	%REC	NA	88-110		10/19/05 12:20 PM	TC

Key:

MCL	Maximum Contaminant Level
MDL	Minimum Detection Limit
NA	Not Applicable
ND	Not Detected at the PQL or MDL
PQL	Practical Quantitation Limit
TIC	Tentatively Identified Compounds

Qualifiers:

*	Value exceeds Maximum Contaminant Level or Regulatory Level
B	Analyte detected in the associated Method Blank
E	Value estimated due to calibration range exceedence
H	Sample extraction/analysis holding time exceeded
J	Analyte detected at less than the PQL
S	Spike/Surrogate Recovery exceeds accepted recovery limits

REI Consultants Inc.

Analytical Results

Date: *27-Feb-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**Lab Order:**	0510550
Client Sample ID:	MW-20	**Lab ID:**	0510550-12A
Project:	MSW LANDFILL	**Collection Date:**	10/11/2005
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
TOTAL SUSPENDED SOLIDS			**SM2540 D**				
Total Suspended Solids	32	mg/L	1	10		10/13/05 10:45 AM	J M
TOTAL METALS BY ICP-MS			**SW6020**				
Antimony	ND	mg/L	NA	0.0300		11/17/05 7:08 PM	BP
Arsenic	ND	mg/L	NA	0.0100		11/17/05 7:08 PM	BP
Barium	ND	mg/L	NA	0.500		11/17/05 7:08 PM	BP
Beryllium	ND	mg/L	NA	0.0020		11/17/05 7:08 PM	BP
Cadmium	ND	mg/L	NA	0.0010		11/17/05 7:08 PM	BP
Chromium	ND	mg/L	NA	0.0100		11/17/05 7:08 PM	BP
Cobalt	ND	mg/L	NA	0.0100		11/17/05 7:08 PM	BP
Copper	ND	mg/L	NA	0.200		11/17/05 7:08 PM	BP
Lead	ND	mg/L	NA	0.0100		11/17/05 7:08 PM	BP
Nickel	ND	mg/L	NA	0.0500		11/17/05 7:08 PM	BP
Selenium	ND	mg/L	NA	0.0200		11/17/05 7:08 PM	BP
Silver	ND	mg/L	NA	0.0100		11/17/05 7:08 PM	BP
Thallium	ND	mg/L	NA	0.0100		11/17/05 7:08 PM	BP
Vanadium	ND	mg/L	NA	0.0400		11/17/05 7:08 PM	BP
Zinc	ND	mg/L	NA	0.0500		11/17/05 7:08 PM	BP
VOLATILE ORGANIC COMPOUNDS			**SW8260B**				
Acetone	ND	µg/L	NA	50.0		10/19/05 12:56 PM	TC
Acrylonitrile	ND	µg/L	NA	25.0		10/19/05 12:56 PM	TC
Benzene	ND	µg/L	NA	1.0		10/19/05 12:56 PM	TC
Bromochloromethane	ND	µg/L	NA	5.0		10/19/05 12:56 PM	TC
Bromodichloromethane	ND	µg/L	NA	1.0		10/19/05 12:56 PM	TC
Bromoform	ND	µg/L	NA	5.0		10/19/05 12:56 PM	TC
Bromomethane	ND	µg/L	NA	5.0		10/19/05 12:56 PM	TC
2-Butanone	ND	µg/L	NA	50.0		10/19/05 12:56 PM	TC
Carbon disulfide	ND	µg/L	NA	25.0		10/19/05 12:56 PM	TC
Carbon tetrachloride	ND	µg/L	NA	5.0		10/19/05 12:56 PM	TC
Chlorobenzene	ND	µg/L	NA	5.0		10/19/05 12:56 PM	TC
Chloroethane	ND	µg/L	NA	5.0		10/19/05 12:56 PM	TC
Chloroform	ND	µg/L	NA	1.0		10/19/05 12:56 PM	TC
Chloromethane	ND	µg/L	NA	5.0		10/19/05 12:56 PM	TC
Dibromochloromethane	ND	µg/L	NA	5.0		10/19/05 12:56 PM	TC
1,2-Dibromo-3-chloropropane	ND	µg/L	NA	1.0		10/19/05 12:56 PM	TC
1,2-Dibromoethane	ND	µg/L	NA	1.0		10/19/05 12:56 PM	TC
Dibromomethane	ND	µg/L	NA	5.0		10/19/05 12:56 PM	TC
1,2-Dichlorobenzene	ND	µg/L	NA	5.0		10/19/05 12:56 PM	TC

Key:

MCL	Maximum Contaminant Level
MDL	Minimum Detection Limit
NA	Not Applicable
ND	Not Detected at the PQL or MDL
PQL	Practical Quantitation Limit
TIC	Tentatively Identified Compounds

Qualifiers:

*	Value exceeds Maximum Contaminant Level or Regulatory Level
B	Analyte detected in the associated Method Blank
E	Value estimated due to calibration range exceedence
H	Sample extraction/analysis holding time exceeded
J	Analyte detected at less than the PQL
S	Spike/Surrogate Recovery exceeds accepted recovery limits

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**Lab Order:**	0510550
Client Sample ID:	MW-20	**Lab ID:**	0510550-12A
Project:	MSW LANDFILL	**Collection Date:**	10/11/2005
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
VOLATILE ORGANIC COMPOUNDS			**SW8260B**				
1,4-Dichlorobenzene	ND	µg/L	NA	5.0		10/19/05 12:56 PM	TC
trans-1,4-Dichloro-2-butene	ND	µg/L	NA	50.0		10/19/05 12:56 PM	TC
1,1-Dichloroethane	ND	µg/L	NA	5.0		10/19/05 12:56 PM	TC
1,2-Dichloroethane	ND	µg/L	NA	1.0		10/19/05 12:56 PM	TC
1,1-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 12:56 PM	TC
cis-1,2-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 12:56 PM	TC
trans-1,2-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 12:56 PM	TC
1,2-Dichloropropane	ND	µg/L	NA	5.0		10/19/05 12:56 PM	TC
cis-1,3-Dichloropropene	ND	µg/L	NA	5.0		10/19/05 12:56 PM	TC
trans-1,3-Dichloropropene	ND	µg/L	NA	5.0		10/19/05 12:56 PM	TC
Ethylbenzene	ND	µg/L	NA	5.0		10/19/05 12:56 PM	TC
2-Hexanone	ND	µg/L	NA	50.0		10/19/05 12:56 PM	TC
Iodomethane	ND	µg/L	NA	10.0		10/19/05 12:56 PM	TC
Methylene chloride	ND	µg/L	NA	5.0		10/19/05 12:56 PM	TC
4-Methyl-2-pentanone	ND	µg/L	NA	50.0		10/19/05 12:56 PM	TC
Styrene	ND	µg/L	NA	5.0		10/19/05 12:56 PM	TC
1,1,1,2-Tetrachloroethane	ND	µg/L	NA	5.0		10/19/05 12:56 PM	TC
1,1,2,2-Tetrachloroethane	ND	µg/L	NA	5.0		10/19/05 12:56 PM	TC
Tetrachloroethene	ND	µg/L	NA	1.0		10/19/05 12:56 PM	TC
Toluene	ND	µg/L	NA	5.0		10/19/05 12:56 PM	TC
1,1,1-Trichloroethane	ND	µg/L	NA	5.0		10/19/05 12:56 PM	TC
1,1,2-Trichloroethane	ND	µg/L	NA	5.0		10/19/05 12:56 PM	TC
Trichloroethene	ND	µg/L	NA	1.0		10/19/05 12:56 PM	TC
Trichlorofluoromethane	ND	µg/L	NA	5.0		10/19/05 12:56 PM	TC
1,2,3-Trichloropropane	ND	µg/L	NA	5.0		10/19/05 12:56 PM	TC
Vinyl acetate	ND	µg/L	NA	25.0		10/19/05 12:56 PM	TC
Vinyl chloride	ND	µg/L	NA	1.0		10/19/05 12:56 PM	TC
o-Xylene	ND	µg/L	NA	5.0		10/19/05 12:56 PM	TC
m,p-Xylene	ND	µg/L	NA	5.0		10/19/05 12:56 PM	TC
Surr: 1,2-Dichloroethane-d4	109	%REC	NA	80-120		10/19/05 12:56 PM	TC
Surr: 4-Bromofluorobenzene	114	%REC	NA	86-115		10/19/05 12:56 PM	TC
Surr: Dibromofluoromethane	102	%REC	NA	80-120		10/19/05 12:56 PM	TC
Surr: Toluene-d8	101	%REC	NA	88-110		10/19/05 12:56 PM	TC

Key:

MCL	Maximum Contaminant Level
MDL	Minimum Detection Limit
NA	Not Applicable
ND	Not Detected at the PQL or MDL
PQL	Practical Quantitation Limit
TIC	Tentatively Identified Compounds

Qualifiers:

*	Value exceeds Maximum Contaminant Level or Regulatory Level
B	Analyte detected in the associated Method Blank
E	Value estimated due to calibration range exceedence
H	Sample extraction/analysis holding time exceeded
J	Analyte detected at less than the PQL
S	Spike/Surrogate Recovery exceeds accepted recovery limits

REI Consultants Inc.

Analytical Results

Date: *27-Feb-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**Lab Order:**	0510550
Client Sample ID:	MW-21	**Lab ID:**	0510550-13A
Project:	MSW LANDFILL	**Collection Date:**	10/11/2005
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
TOTAL SUSPENDED SOLIDS			**SM2540 D**				
Total Suspended Solids	38	mg/L	1	10		10/13/05 10:45 AM	J M
TOTAL METALS BY ICP-MS			**SW6020**				
Antimony	ND	mg/L	NA	0.0300		11/17/05 7:14 PM	BP
Arsenic	ND	mg/L	NA	0.0100		11/17/05 7:14 PM	BP
Barium	ND	mg/L	NA	0.500		11/17/05 7:14 PM	BP
Beryllium	ND	mg/L	NA	0.0020		11/17/05 7:14 PM	BP
Cadmium	ND	mg/L	NA	0.0010		11/17/05 7:14 PM	BP
Chromium	ND	mg/L	NA	0.0100		11/17/05 7:14 PM	BP
Cobalt	0.0286	mg/L	NA	0.0100		11/17/05 7:14 PM	BP
Copper	ND	mg/L	NA	0.200		11/17/05 7:14 PM	BP
Lead	ND	mg/L	NA	0.0100		11/17/05 7:14 PM	BP
Nickel	ND	mg/L	NA	0.0500		11/17/05 7:14 PM	BP
Selenium	ND	mg/L	NA	0.0200		11/17/05 7:14 PM	BP
Silver	ND	mg/L	NA	0.0100		11/17/05 7:14 PM	BP
Thallium	ND	mg/L	NA	0.0100		11/17/05 7:14 PM	BP
Vanadium	ND	mg/L	NA	0.0400		11/17/05 7:14 PM	BP
Zinc	ND	mg/L	NA	0.0500		11/17/05 7:14 PM	BP
VOLATILE ORGANIC COMPOUNDS			**SW8260B**				
Acetone	ND	µg/L	NA	50.0		10/19/05 7:19 PM	TC
Acrylonitrile	ND	µg/L	NA	25.0		10/19/05 7:19 PM	TC
Benzene	ND	µg/L	NA	1.0		10/19/05 7:19 PM	TC
Bromochloromethane	ND	µg/L	NA	5.0		10/19/05 7:19 PM	TC
Bromodichloromethane	ND	µg/L	NA	1.0		10/19/05 7:19 PM	TC
Bromoform	ND	µg/L	NA	5.0		10/19/05 7:19 PM	TC
Bromomethane	ND	µg/L	NA	5.0		10/19/05 7:19 PM	TC
2-Butanone	ND	µg/L	NA	50.0		10/19/05 7:19 PM	TC
Carbon disulfide	ND	µg/L	NA	25.0		10/19/05 7:19 PM	TC
Carbon tetrachloride	ND	µg/L	NA	5.0		10/19/05 7:19 PM	TC
Chlorobenzene	ND	µg/L	NA	5.0		10/19/05 7:19 PM	TC
Chloroethane	ND	µg/L	NA	5.0		10/19/05 7:19 PM	TC
Chloroform	ND	µg/L	NA	1.0		10/19/05 7:19 PM	TC
Chloromethane	ND	µg/L	NA	5.0		10/19/05 7:19 PM	TC
Dibromochloromethane	ND	µg/L	NA	5.0		10/19/05 7:19 PM	TC
1,2-Dibromo-3-chloropropane	ND	µg/L	NA	1.0		10/19/05 7:19 PM	TC
1,2-Dibromoethane	ND	µg/L	NA	1.0		10/19/05 7:19 PM	TC
Dibromomethane	ND	µg/L	NA	5.0		10/19/05 7:19 PM	TC
1,2-Dichlorobenzene	ND	µg/L	NA	5.0		10/19/05 7:19 PM	TC

Key:

MCL	Maximum Contaminant Level
MDL	Minimum Detection Limit
NA	Not Applicable
ND	Not Detected at the PQL or MDL
PQL	Practical Quantitation Limit
TIC	Tentatively Identified Compounds

Qualifiers:

*	Value exceeds Maximum Contaminant Level or Regulatory Level
B	Analyte detected in the associated Method Blank
E	Value estimated due to calibration range exceedence
H	Sample extraction/analysis holding time exceeded
J	Analyte detected at less than the PQL
S	Spike/Surrogate Recovery exceeds accepted recovery limits

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**Lab Order:**	0510550
Client Sample ID:	MW-21	**Lab ID:**	0510550-13A
Project:	MSW LANDFILL	**Collection Date:**	10/11/2005
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
VOLATILE ORGANIC COMPOUNDS			**SW8260B**				
1,4-Dichlorobenzene	ND	µg/L	NA	5.0		10/19/05 7:19 PM	TC
trans-1,4-Dichloro-2-butene	ND	µg/L	NA	50.0		10/19/05 7:19 PM	TC
1,1-Dichloroethane	ND	µg/L	NA	5.0		10/19/05 7:19 PM	TC
1,2-Dichloroethane	ND	µg/L	NA	1.0		10/19/05 7:19 PM	TC
1,1-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 7:19 PM	TC
cis-1,2-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 7:19 PM	TC
trans-1,2-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 7:19 PM	TC
1,2-Dichloropropane	ND	µg/L	NA	5.0		10/19/05 7:19 PM	TC
cis-1,3-Dichloropropene	ND	µg/L	NA	5.0		10/19/05 7:19 PM	TC
trans-1,3-Dichloropropene	ND	µg/L	NA	5.0		10/19/05 7:19 PM	TC
Ethylbenzene	ND	µg/L	NA	5.0		10/19/05 7:19 PM	TC
2-Hexanone	ND	µg/L	NA	50.0		10/19/05 7:19 PM	TC
Iodomethane	ND	µg/L	NA	10.0		10/19/05 7:19 PM	TC
Methylene chloride	ND	µg/L	NA	5.0		10/19/05 7:19 PM	TC
4-Methyl-2-pentanone	ND	µg/L	NA	50.0		10/19/05 7:19 PM	TC
Styrene	ND	µg/L	NA	5.0		10/19/05 7:19 PM	TC
1,1,1,2-Tetrachloroethane	ND	µg/L	NA	5.0		10/19/05 7:19 PM	TC
1,1,2,2-Tetrachloroethane	ND	µg/L	NA	5.0		10/19/05 7:19 PM	TC
Tetrachloroethene	ND	µg/L	NA	1.0		10/19/05 7:19 PM	TC
Toluene	ND	µg/L	NA	5.0		10/19/05 7:19 PM	TC
1,1,1-Trichloroethane	ND	µg/L	NA	5.0		10/19/05 7:19 PM	TC
1,1,2-Trichloroethane	ND	µg/L	NA	5.0		10/19/05 7:19 PM	TC
Trichloroethene	ND	µg/L	NA	1.0		10/19/05 7:19 PM	TC
Trichlorofluoromethane	ND	µg/L	NA	5.0		10/19/05 7:19 PM	TC
1,2,3-Trichloropropane	ND	µg/L	NA	5.0		10/19/05 7:19 PM	TC
Vinyl acetate	ND	µg/L	NA	25.0		10/19/05 7:19 PM	TC
Vinyl chloride	ND	µg/L	NA	1.0		10/19/05 7:19 PM	TC
o-Xylene	ND	µg/L	NA	5.0		10/19/05 7:19 PM	TC
m,p-Xylene	ND	µg/L	NA	5.0		10/19/05 7:19 PM	TC
Surr: 1,2-Dichloroethane-d4	97	%REC	NA	80-120		10/19/05 7:19 PM	TC
Surr: 4-Bromofluorobenzene	126	%REC	NA	86-115	S	10/19/05 7:19 PM	TC
Surr: Dibromofluoromethane	96	%REC	NA	80-120		10/19/05 7:19 PM	TC
Surr: Toluene-d8	100	%REC	NA	88-110		10/19/05 7:19 PM	TC

Key:

MCL	Maximum Contaminant Level
MDL	Minimum Detection Limit
NA	Not Applicable
ND	Not Detected at the PQL or MDL
PQL	Practical Quantitation Limit
TIC	Tentatively Identified Compounds

Qualifiers:

*	Value exceeds Maximum Contaminant Level or Regulatory Level
B	Analyte detected in the associated Method Blank
E	Value estimated due to calibration range exceedence
H	Sample extraction/analysis holding time exceeded
J	Analyte detected at less than the PQL
S	Spike/Surrogate Recovery exceeds accepted recovery limits

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**Lab Order:**	0510550
Client Sample ID:	MW-22	**Lab ID:**	0510550-14A
Project:	MSW LANDFILL	**Collection Date:**	10/11/2005
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
TOTAL SUSPENDED SOLIDS			**SM2540 D**				
Total Suspended Solids	1900	mg/L	1	10		10/13/05 10:45 AM	J M
TOTAL METALS BY ICP-MS			**SW6020**				
Antimony	ND	mg/L	NA	0.0300		11/17/05 7:20 PM	BP
Arsenic	ND	mg/L	NA	0.0100		11/17/05 7:20 PM	BP
Barium	1.16	mg/L	NA	0.500		11/17/05 7:20 PM	BP
Beryllium	ND	mg/L	NA	0.0020		11/17/05 7:20 PM	BP
Cadmium	ND	mg/L	NA	0.0010		11/17/05 7:20 PM	BP
Chromium	0.0102	mg/L	NA	0.0100		11/17/05 7:20 PM	BP
Cobalt	0.0327	mg/L	NA	0.0100		11/17/05 7:20 PM	BP
Copper	ND	mg/L	NA	0.200		11/17/05 7:20 PM	BP
Lead	ND	mg/L	NA	0.0100		11/17/05 7:20 PM	BP
Nickel	ND	mg/L	NA	0.0500		11/17/05 7:20 PM	BP
Selenium	ND	mg/L	NA	0.0200		11/17/05 7:20 PM	BP
Silver	ND	mg/L	NA	0.0100		11/17/05 7:20 PM	BP
Thallium	ND	mg/L	NA	0.0100		11/17/05 7:20 PM	BP
Vanadium	ND	mg/L	NA	0.0400		11/17/05 7:20 PM	BP
Zinc	0.0571	mg/L	NA	0.0500		11/17/05 7:20 PM	BP
VOLATILE ORGANIC COMPOUNDS			**SW8260B**				
Acetone	ND	µg/L	NA	50.0		10/19/05 7:55 PM	TC
Acrylonitrile	ND	µg/L	NA	25.0		10/19/05 7:55 PM	TC
Benzene	ND	µg/L	NA	1.0		10/19/05 7:55 PM	TC
Bromochloromethane	ND	µg/L	NA	5.0		10/19/05 7:55 PM	TC
Bromodichloromethane	ND	µg/L	NA	1.0		10/19/05 7:55 PM	TC
Bromoform	ND	µg/L	NA	5.0		10/19/05 7:55 PM	TC
Bromomethane	ND	µg/L	NA	5.0		10/19/05 7:55 PM	TC
2-Butanone	ND	µg/L	NA	50.0		10/19/05 7:55 PM	TC
Carbon disulfide	ND	µg/L	NA	25.0		10/19/05 7:55 PM	TC
Carbon tetrachloride	ND	µg/L	NA	5.0		10/19/05 7:55 PM	TC
Chlorobenzene	ND	µg/L	NA	5.0		10/19/05 7:55 PM	TC
Chloroethane	ND	µg/L	NA	5.0		10/19/05 7:55 PM	TC
Chloroform	ND	µg/L	NA	1.0		10/19/05 7:55 PM	TC
Chloromethane	ND	µg/L	NA	5.0		10/19/05 7:55 PM	TC
Dibromochloromethane	ND	µg/L	NA	5.0		10/19/05 7:55 PM	TC
1,2-Dibromo-3-chloropropane	ND	µg/L	NA	1.0		10/19/05 7:55 PM	TC
1,2-Dibromoethane	ND	µg/L	NA	1.0		10/19/05 7:55 PM	TC
Dibromomethane	ND	µg/L	NA	5.0		10/19/05 7:55 PM	TC
1,2-Dichlorobenzene	ND	µg/L	NA	5.0		10/19/05 7:55 PM	TC

Key:
- MCL Maximum Contaminant Level
- MDL Minimum Detection Limit
- NA Not Applicable
- ND Not Detected at the PQL or MDL
- PQL Practical Quantitation Limit
- TIC Tentatively Identified Compounds

Qualifiers:
- * Value exceeds Maximum Contaminant Level or Regulatory Level
- B Analyte detected in the associated Method Blank
- E Value estimated due to calibration range exceedence
- H Sample extraction/analysis holding time exceeded
- J Analyte detected at less than the PQL
- S Spike/Surrogate Recovery exceeds accepted recovery limits

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**Lab Order:**	0510550
Client Sample ID:	MW-22	**Lab ID:**	0510550-14A
Project:	MSW LANDFILL	**Collection Date:**	10/11/2005
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
VOLATILE ORGANIC COMPOUNDS			**SW8260B**				
1,4-Dichlorobenzene	ND	µg/L	NA	5.0		10/19/05 7:55 PM	TC
trans-1,4-Dichloro-2-butene	ND	µg/L	NA	50.0		10/19/05 7:55 PM	TC
1,1-Dichloroethane	ND	µg/L	NA	5.0		10/19/05 7:55 PM	TC
1,2-Dichloroethane	ND	µg/L	NA	1.0		10/19/05 7:55 PM	TC
1,1-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 7:55 PM	TC
cis-1,2-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 7:55 PM	TC
trans-1,2-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 7:55 PM	TC
1,2-Dichloropropane	ND	µg/L	NA	5.0		10/19/05 7:55 PM	TC
cis-1,3-Dichloropropene	ND	µg/L	NA	5.0		10/19/05 7:55 PM	TC
trans-1,3-Dichloropropene	ND	µg/L	NA	5.0		10/19/05 7:55 PM	TC
Ethylbenzene	ND	µg/L	NA	5.0		10/19/05 7:55 PM	TC
2-Hexanone	ND	µg/L	NA	50.0		10/19/05 7:55 PM	TC
Iodomethane	ND	µg/L	NA	10.0		10/19/05 7:55 PM	TC
Methylene chloride	ND	µg/L	NA	5.0		10/19/05 7:55 PM	TC
4-Methyl-2-pentanone	ND	µg/L	NA	50.0		10/19/05 7:55 PM	TC
Styrene	ND	µg/L	NA	5.0		10/19/05 7:55 PM	TC
1,1,1,2-Tetrachloroethane	ND	µg/L	NA	5.0		10/19/05 7:55 PM	TC
1,1,2,2-Tetrachloroethane	ND	µg/L	NA	5.0		10/19/05 7:55 PM	TC
Tetrachloroethene	ND	µg/L	NA	1.0		10/19/05 7:55 PM	TC
Toluene	ND	µg/L	NA	5.0		10/19/05 7:55 PM	TC
1,1,1-Trichloroethane	ND	µg/L	NA	5.0		10/19/05 7:55 PM	TC
1,1,2-Trichloroethane	ND	µg/L	NA	5.0		10/19/05 7:55 PM	TC
Trichloroethene	ND	µg/L	NA	1.0		10/19/05 7:55 PM	TC
Trichlorofluoromethane	ND	µg/L	NA	5.0		10/19/05 7:55 PM	TC
1,2,3-Trichloropropane	ND	µg/L	NA	5.0		10/19/05 7:55 PM	TC
Vinyl acetate	ND	µg/L	NA	25.0		10/19/05 7:55 PM	TC
Vinyl chloride	ND	µg/L	NA	1.0		10/19/05 7:55 PM	TC
o-Xylene	ND	µg/L	NA	5.0		10/19/05 7:55 PM	TC
m,p-Xylene	ND	µg/L	NA	5.0		10/19/05 7:55 PM	TC
Surr: 1,2-Dichloroethane-d4	99	%REC	NA	80-120		10/19/05 7:55 PM	TC
Surr: 4-Bromofluorobenzene	122	%REC	NA	86-115	S	10/19/05 7:55 PM	TC
Surr: Dibromofluoromethane	98	%REC	NA	80-120		10/19/05 7:55 PM	TC
Surr: Toluene-d8	98	%REC	NA	88-110		10/19/05 7:55 PM	TC

Key:

MCL	Maximum Contaminant Level
MDL	Minimum Detection Limit
NA	Not Applicable
ND	Not Detected at the PQL or MDL
PQL	Practical Quantitation Limit
TIC	Tentatively Identified Compounds

Qualifiers:

*	Value exceeds Maximum Contaminant Level or Regulatory Level
B	Analyte detected in the associated Method Blank
E	Value estimated due to calibration range exceedence
H	Sample extraction/analysis holding time exceeded
J	Analyte detected at less than the PQL
S	Spike/Surrogate Recovery exceeds accepted recovery limits

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**Lab Order:**	0510550
Client Sample ID:	MW-22A	**Lab ID:**	0510550-15A
Project:	MSW LANDFILL	**Collection Date:**	10/11/2005
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
TOTAL SUSPENDED SOLIDS			**SM2540 D**				
Total Suspended Solids	73	mg/L	1	10		10/13/05 10:45 AM	J M
TOTAL METALS BY ICP-MS			**SW6020**				
Antimony	ND	mg/L	NA	0.0300		11/17/05 7:25 PM	BP
Arsenic	ND	mg/L	NA	0.0100		11/17/05 7:25 PM	BP
Barium	ND	mg/L	NA	0.500		11/17/05 7:25 PM	BP
Beryllium	ND	mg/L	NA	0.0020		11/17/05 7:25 PM	BP
Cadmium	ND	mg/L	NA	0.0010		11/17/05 7:25 PM	BP
Chromium	ND	mg/L	NA	0.0100		11/17/05 7:25 PM	BP
Cobalt	ND	mg/L	NA	0.0100		11/17/05 7:25 PM	BP
Copper	ND	mg/L	NA	0.200		11/17/05 7:25 PM	BP
Lead	ND	mg/L	NA	0.0100		11/17/05 7:25 PM	BP
Nickel	ND	mg/L	NA	0.0500		11/17/05 7:25 PM	BP
Selenium	ND	mg/L	NA	0.0200		11/17/05 7:25 PM	BP
Silver	ND	mg/L	NA	0.0100		11/17/05 7:25 PM	BP
Thallium	ND	mg/L	NA	0.0100		11/17/05 7:25 PM	BP
Vanadium	ND	mg/L	NA	0.0400		11/17/05 7:25 PM	BP
Zinc	ND	mg/L	NA	0.0500		11/17/05 7:25 PM	BP
VOLATILE ORGANIC COMPOUNDS			**SW8260B**				
Acetone	ND	µg/L	NA	50.0		10/19/05 8:31 PM	TC
Acrylonitrile	ND	µg/L	NA	25.0		10/19/05 8:31 PM	TC
Benzene	ND	µg/L	NA	1.0		10/19/05 8:31 PM	TC
Bromochloromethane	ND	µg/L	NA	5.0		10/19/05 8:31 PM	TC
Bromodichloromethane	ND	µg/L	NA	1.0		10/19/05 8:31 PM	TC
Bromoform	ND	µg/L	NA	5.0		10/19/05 8:31 PM	TC
Bromomethane	ND	µg/L	NA	5.0		10/19/05 8:31 PM	TC
2-Butanone	ND	µg/L	NA	50.0		10/19/05 8:31 PM	TC
Carbon disulfide	ND	µg/L	NA	25.0		10/19/05 8:31 PM	TC
Carbon tetrachloride	ND	µg/L	NA	5.0		10/19/05 8:31 PM	TC
Chlorobenzene	ND	µg/L	NA	5.0		10/19/05 8:31 PM	TC
Chloroethane	ND	µg/L	NA	5.0		10/19/05 8:31 PM	TC
Chloroform	ND	µg/L	NA	1.0		10/19/05 8:31 PM	TC
Chloromethane	ND	µg/L	NA	5.0		10/19/05 8:31 PM	TC
Dibromochloromethane	ND	µg/L	NA	5.0		10/19/05 8:31 PM	TC
1,2-Dibromo-3-chloropropane	ND	µg/L	NA	1.0		10/19/05 8:31 PM	TC
1,2-Dibromoethane	ND	µg/L	NA	1.0		10/19/05 8:31 PM	TC
Dibromomethane	ND	µg/L	NA	5.0		10/19/05 8:31 PM	TC
1,2-Dichlorobenzene	ND	µg/L	NA	5.0		10/19/05 8:31 PM	TC

Key:
- MCL Maximum Contaminant Level
- MDL Minimum Detection Limit
- NA Not Applicable
- ND Not Detected at the PQL or MDL
- PQL Practical Quantitation Limit
- TIC Tentatively Identified Compounds

Qualifiers:
- * Value exceeds Maximum Contaminant Level or Regulatory Level
- B Analyte detected in the associated Method Blank
- E Value estimated due to calibration range exceedence
- H Sample extraction/analysis holding time exceeded
- J Analyte detected at less than the PQL
- S Spike/Surrogate Recovery exceeds accepted recovery limits

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**Lab Order:**	0510550
Client Sample ID:	MW-22A	**Lab ID:**	0510550-15A
Project:	MSW LANDFILL	**Collection Date:**	10/11/2005
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
VOLATILE ORGANIC COMPOUNDS			**SW8260B**				
1,4-Dichlorobenzene	ND	µg/L	NA	5.0		10/19/05 8:31 PM	TC
trans-1,4-Dichloro-2-butene	ND	µg/L	NA	50.0		10/19/05 8:31 PM	TC
1,1-Dichloroethane	ND	µg/L	NA	5.0		10/19/05 8:31 PM	TC
1,2-Dichloroethane	ND	µg/L	NA	1.0		10/19/05 8:31 PM	TC
1,1-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 8:31 PM	TC
cis-1,2-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 8:31 PM	TC
trans-1,2-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 8:31 PM	TC
1,2-Dichloropropane	ND	µg/L	NA	5.0		10/19/05 8:31 PM	TC
cis-1,3-Dichloropropene	ND	µg/L	NA	5.0		10/19/05 8:31 PM	TC
trans-1,3-Dichloropropene	ND	µg/L	NA	5.0		10/19/05 8:31 PM	TC
Ethylbenzene	ND	µg/L	NA	5.0		10/19/05 8:31 PM	TC
2-Hexanone	ND	µg/L	NA	50.0		10/19/05 8:31 PM	TC
Iodomethane	ND	µg/L	NA	10.0		10/19/05 8:31 PM	TC
Methylene chloride	ND	µg/L	NA	5.0		10/19/05 8:31 PM	TC
4-Methyl-2-pentanone	ND	µg/L	NA	50.0		10/19/05 8:31 PM	TC
Styrene	ND	µg/L	NA	5.0		10/19/05 8:31 PM	TC
1,1,1,2-Tetrachloroethane	ND	µg/L	NA	5.0		10/19/05 8:31 PM	TC
1,1,2,2-Tetrachloroethane	ND	µg/L	NA	5.0		10/19/05 8:31 PM	TC
Tetrachloroethene	ND	µg/L	NA	1.0		10/19/05 8:31 PM	TC
Toluene	ND	µg/L	NA	5.0		10/19/05 8:31 PM	TC
1,1,1-Trichloroethane	ND	µg/L	NA	5.0		10/19/05 8:31 PM	TC
1,1,2-Trichloroethane	ND	µg/L	NA	5.0		10/19/05 8:31 PM	TC
Trichloroethene	ND	µg/L	NA	1.0		10/19/05 8:31 PM	TC
Trichlorofluoromethane	ND	µg/L	NA	5.0		10/19/05 8:31 PM	TC
1,2,3-Trichloropropane	ND	µg/L	NA	5.0		10/19/05 8:31 PM	TC
Vinyl acetate	ND	µg/L	NA	25.0		10/19/05 8:31 PM	TC
Vinyl chloride	ND	µg/L	NA	1.0		10/19/05 8:31 PM	TC
o-Xylene	ND	µg/L	NA	5.0		10/19/05 8:31 PM	TC
m,p-Xylene	ND	µg/L	NA	5.0		10/19/05 8:31 PM	TC
Surr: 1,2-Dichloroethane-d4	101	%REC	NA	80-120		10/19/05 8:31 PM	TC
Surr: 4-Bromofluorobenzene	126	%REC	NA	86-115	S	10/19/05 8:31 PM	TC
Surr: Dibromofluoromethane	100	%REC	NA	80-120		10/19/05 8:31 PM	TC
Surr: Toluene-d8	100	%REC	NA	88-110		10/19/05 8:31 PM	TC

Key:

MCL	Maximum Contaminant Level
MDL	Minimum Detection Limit
NA	Not Applicable
ND	Not Detected at the PQL or MDL
PQL	Practical Quantitation Limit
TIC	Tentatively Identified Compounds

Qualifiers:

*	Value exceeds Maximum Contaminant Level or Regulatory Level
B	Analyte detected in the associated Method Blank
E	Value estimated due to calibration range exceedence
H	Sample extraction/analysis holding time exceeded
J	Analyte detected at less than the PQL
S	Spike/Surrogate Recovery exceeds accepted recovery limits

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**Lab Order:**	0510550
Client Sample ID:	MW-22 DUPE	**Lab ID:**	0510550-16A
Project:	MSW LANDFILL	**Collection Date:**	10/11/2005
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
TOTAL SUSPENDED SOLIDS			**SM2540 D**				
Total Suspended Solids	2270	mg/L	1	10		10/13/05 10:45 AM	J M
TOTAL METALS BY ICP-MS			**SW6020**				
Antimony	ND	mg/L	NA	0.0300		11/17/05 7:31 PM	BP
Arsenic	ND	mg/L	NA	0.0100		11/17/05 7:31 PM	BP
Barium	1.22	mg/L	NA	0.500		11/17/05 7:31 PM	BP
Beryllium	0.0026	mg/L	NA	0.0020		11/17/05 7:31 PM	BP
Cadmium	ND	mg/L	NA	0.0010		11/17/05 7:31 PM	BP
Chromium	0.0391	mg/L	NA	0.0100		11/17/05 7:31 PM	BP
Cobalt	0.0529	mg/L	NA	0.0100		11/17/05 7:31 PM	BP
Copper	ND	mg/L	NA	0.200		11/17/05 7:31 PM	BP
Lead	0.0145	mg/L	NA	0.0100		11/17/05 7:31 PM	BP
Nickel	ND	mg/L	NA	0.0500		11/17/05 7:31 PM	BP
Selenium	ND	mg/L	NA	0.0200		11/17/05 7:31 PM	BP
Silver	ND	mg/L	NA	0.0100		11/17/05 7:31 PM	BP
Thallium	ND	mg/L	NA	0.0100		11/17/05 7:31 PM	BP
Vanadium	0.0566	mg/L	NA	0.0400		11/17/05 7:31 PM	BP
Zinc	0.121	mg/L	NA	0.0500		11/17/05 7:31 PM	BP
VOLATILE ORGANIC COMPOUNDS			**SW8260B**				
Acetone	ND	µg/L	NA	50.0		10/19/05 1:33 PM	TC
Acrylonitrile	ND	µg/L	NA	25.0		10/19/05 1:33 PM	TC
Benzene	ND	µg/L	NA	1.0		10/19/05 1:33 PM	TC
Bromochloromethane	ND	µg/L	NA	5.0		10/19/05 1:33 PM	TC
Bromodichloromethane	ND	µg/L	NA	1.0		10/19/05 1:33 PM	TC
Bromoform	ND	µg/L	NA	5.0		10/19/05 1:33 PM	TC
Bromomethane	ND	µg/L	NA	5.0		10/19/05 1:33 PM	TC
2-Butanone	ND	µg/L	NA	50.0		10/19/05 1:33 PM	TC
Carbon disulfide	ND	µg/L	NA	25.0		10/19/05 1:33 PM	TC
Carbon tetrachloride	ND	µg/L	NA	5.0		10/19/05 1:33 PM	TC
Chlorobenzene	ND	µg/L	NA	5.0		10/19/05 1:33 PM	TC
Chloroethane	ND	µg/L	NA	5.0		10/19/05 1:33 PM	TC
Chloroform	ND	µg/L	NA	1.0		10/19/05 1:33 PM	TC
Chloromethane	ND	µg/L	NA	5.0		10/19/05 1:33 PM	TC
Dibromochloromethane	ND	µg/L	NA	5.0		10/19/05 1:33 PM	TC
1,2-Dibromo-3-chloropropane	ND	µg/L	NA	1.0		10/19/05 1:33 PM	TC
1,2-Dibromoethane	ND	µg/L	NA	1.0		10/19/05 1:33 PM	TC
Dibromomethane	ND	µg/L	NA	5.0		10/19/05 1:33 PM	TC
1,2-Dichlorobenzene	ND	µg/L	NA	5.0		10/19/05 1:33 PM	TC

Key:

MCL	Maximum Contaminant Level
MDL	Minimum Detection Limit
NA	Not Applicable
ND	Not Detected at the PQL or MDL
PQL	Practical Quantitation Limit
TIC	Tentatively Identified Compounds

Qualifiers:

*	Value exceeds Maximum Contaminant Level or Regulatory Level
B	Analyte detected in the associated Method Blank
E	Value estimated due to calibration range exceedence
H	Sample extraction/analysis holding time exceeded
J	Analyte detected at less than the PQL
S	Spike/Surrogate Recovery exceeds accepted recovery limits

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**Lab Order:**	0510550
Client Sample ID:	MW-22 DUPE	**Lab ID:**	0510550-16A
Project:	MSW LANDFILL	**Collection Date:**	10/11/2005
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
VOLATILE ORGANIC COMPOUNDS			**SW8260B**				
1,4-Dichlorobenzene	ND	µg/L	NA	5.0		10/19/05 1:33 PM	TC
trans-1,4-Dichloro-2-butene	ND	µg/L	NA	50.0		10/19/05 1:33 PM	TC
1,1-Dichloroethane	ND	µg/L	NA	5.0		10/19/05 1:33 PM	TC
1,2-Dichloroethane	ND	µg/L	NA	1.0		10/19/05 1:33 PM	TC
1,1-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 1:33 PM	TC
cis-1,2-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 1:33 PM	TC
trans-1,2-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 1:33 PM	TC
1,2-Dichloropropane	ND	µg/L	NA	5.0		10/19/05 1:33 PM	TC
cis-1,3-Dichloropropene	ND	µg/L	NA	5.0		10/19/05 1:33 PM	TC
trans-1,3-Dichloropropene	ND	µg/L	NA	5.0		10/19/05 1:33 PM	TC
Ethylbenzene	ND	µg/L	NA	5.0		10/19/05 1:33 PM	TC
2-Hexanone	ND	µg/L	NA	50.0		10/19/05 1:33 PM	TC
Iodomethane	ND	µg/L	NA	10.0		10/19/05 1:33 PM	TC
Methylene chloride	ND	µg/L	NA	5.0		10/19/05 1:33 PM	TC
4-Methyl-2-pentanone	ND	µg/L	NA	50.0		10/19/05 1:33 PM	TC
Styrene	ND	µg/L	NA	5.0		10/19/05 1:33 PM	TC
1,1,1,2-Tetrachloroethane	ND	µg/L	NA	5.0		10/19/05 1:33 PM	TC
1,1,2,2-Tetrachloroethane	ND	µg/L	NA	5.0		10/19/05 1:33 PM	TC
Tetrachloroethene	ND	µg/L	NA	1.0		10/19/05 1:33 PM	TC
Toluene	ND	µg/L	NA	5.0		10/19/05 1:33 PM	TC
1,1,1-Trichloroethane	ND	µg/L	NA	5.0		10/19/05 1:33 PM	TC
1,1,2-Trichloroethane	ND	µg/L	NA	5.0		10/19/05 1:33 PM	TC
Trichloroethene	ND	µg/L	NA	1.0		10/19/05 1:33 PM	TC
Trichlorofluoromethane	ND	µg/L	NA	5.0		10/19/05 1:33 PM	TC
1,2,3-Trichloropropane	ND	µg/L	NA	5.0		10/19/05 1:33 PM	TC
Vinyl acetate	ND	µg/L	NA	25.0		10/19/05 1:33 PM	TC
Vinyl chloride	ND	µg/L	NA	1.0		10/19/05 1:33 PM	TC
o-Xylene	ND	µg/L	NA	5.0		10/19/05 1:33 PM	TC
m,p-Xylene	ND	µg/L	NA	5.0		10/19/05 1:33 PM	TC
Surr: 1,2-Dichloroethane-d4	104	%REC	NA	80-120		10/19/05 1:33 PM	TC
Surr: 4-Bromofluorobenzene	116	%REC	NA	86-115	S	10/19/05 1:33 PM	TC
Surr: Dibromofluoromethane	101	%REC	NA	80-120		10/19/05 1:33 PM	TC
Surr: Toluene-d8	102	%REC	NA	88-110		10/19/05 1:33 PM	TC

Key:

MCL	Maximum Contaminant Level
MDL	Minimum Detection Limit
NA	Not Applicable
ND	Not Detected at the PQL or MDL
PQL	Practical Quantitation Limit
TIC	Tentatively Identified Compounds

Qualifiers:

*	Value exceeds Maximum Contaminant Level or Regulatory Level
B	Analyte detected in the associated Method Blank
E	Value estimated due to calibration range exceedence
H	Sample extraction/analysis holding time exceeded
J	Analyte detected at less than the PQL
S	Spike/Surrogate Recovery exceeds accepted recovery limits

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**Lab Order:**	0510550
Client Sample ID:	MW-18 DUPE	**Lab ID:**	0510550-17A
Project:	MSW LANDFILL	**Collection Date:**	10/11/2005
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
TOTAL SUSPENDED SOLIDS			**SM2540 D**				
Total Suspended Solids	594	mg/L	1	10		10/13/05 10:45 AM	J M
TOTAL METALS BY ICP-MS			**SW6020**				
Antimony	ND	mg/L	NA	0.0300		11/17/05 8:28 PM	BP
Arsenic	ND	mg/L	NA	0.0100		11/17/05 8:28 PM	BP
Barium	ND	mg/L	NA	0.500		11/17/05 8:28 PM	BP
Beryllium	ND	mg/L	NA	0.0020		11/17/05 8:28 PM	BP
Cadmium	ND	mg/L	NA	0.0010		11/17/05 8:28 PM	BP
Chromium	ND	mg/L	NA	0.0100		11/17/05 8:28 PM	BP
Cobalt	ND	mg/L	NA	0.0100		11/17/05 8:28 PM	BP
Copper	ND	mg/L	NA	0.200		11/17/05 8:28 PM	BP
Lead	ND	mg/L	NA	0.0100		11/17/05 8:28 PM	BP
Nickel	ND	mg/L	NA	0.0500		11/17/05 8:28 PM	BP
Selenium	ND	mg/L	NA	0.0200		11/17/05 8:28 PM	BP
Silver	ND	mg/L	NA	0.0100		11/17/05 8:28 PM	BP
Thallium	ND	mg/L	NA	0.0100		11/17/05 8:28 PM	BP
Vanadium	ND	mg/L	NA	0.0400		11/17/05 8:28 PM	BP
Zinc	ND	mg/L	NA	0.0500		11/17/05 8:28 PM	BP
VOLATILE ORGANIC COMPOUNDS			**SW8260B**				
Acetone	ND	µg/L	NA	50.0		10/19/05 9:06 PM	TC
Acrylonitrile	ND	µg/L	NA	25.0		10/19/05 9:06 PM	TC
Benzene	ND	µg/L	NA	1.0		10/19/05 9:06 PM	TC
Bromochloromethane	ND	µg/L	NA	5.0		10/19/05 9:06 PM	TC
Bromodichloromethane	ND	µg/L	NA	1.0		10/19/05 9:06 PM	TC
Bromoform	ND	µg/L	NA	5.0		10/19/05 9:06 PM	TC
Bromomethane	ND	µg/L	NA	5.0		10/19/05 9:06 PM	TC
2-Butanone	ND	µg/L	NA	50.0		10/19/05 9:06 PM	TC
Carbon disulfide	ND	µg/L	NA	25.0		10/19/05 9:06 PM	TC
Carbon tetrachloride	ND	µg/L	NA	5.0		10/19/05 9:06 PM	TC
Chlorobenzene	ND	µg/L	NA	5.0		10/19/05 9:06 PM	TC
Chloroethane	ND	µg/L	NA	5.0		10/19/05 9:06 PM	TC
Chloroform	ND	µg/L	NA	1.0		10/19/05 9:06 PM	TC
Chloromethane	ND	µg/L	NA	5.0		10/19/05 9:06 PM	TC
Dibromochloromethane	ND	µg/L	NA	5.0		10/19/05 9:06 PM	TC
1,2-Dibromo-3-chloropropane	ND	µg/L	NA	1.0		10/19/05 9:06 PM	TC
1,2-Dibromoethane	ND	µg/L	NA	1.0		10/19/05 9:06 PM	TC
Dibromomethane	ND	µg/L	NA	5.0		10/19/05 9:06 PM	TC
1,2-Dichlorobenzene	ND	µg/L	NA	5.0		10/19/05 9:06 PM	TC

Key:

MCL	Maximum Contaminant Level
MDL	Minimum Detection Limit
NA	Not Applicable
ND	Not Detected at the PQL or MDL
PQL	Practical Quantitation Limit
TIC	Tentatively Identified Compounds

Qualifiers:

*	Value exceeds Maximum Contaminant Level or Regulatory Level
B	Analyte detected in the associated Method Blank
E	Value estimated due to calibration range exceedence
H	Sample extraction/analysis holding time exceeded
J	Analyte detected at less than the PQL
S	Spike/Surrogate Recovery exceeds accepted recovery limits

REI Consultants Inc. — Analytical Results

Date: *27-Feb-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**Lab Order:**	0510550
Client Sample ID:	MW-18 DUPE	**Lab ID:**	0510550-17A
Project:	MSW LANDFILL	**Collection Date:**	10/11/2005
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
VOLATILE ORGANIC COMPOUNDS			**SW8260B**				
1,4-Dichlorobenzene	ND	µg/L	NA	5.0		10/19/05 9:06 PM	TC
trans-1,4-Dichloro-2-butene	ND	µg/L	NA	50.0		10/19/05 9:06 PM	TC
1,1-Dichloroethane	ND	µg/L	NA	5.0		10/19/05 9:06 PM	TC
1,2-Dichloroethane	ND	µg/L	NA	1.0		10/19/05 9:06 PM	TC
1,1-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 9:06 PM	TC
cis-1,2-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 9:06 PM	TC
trans-1,2-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 9:06 PM	TC
1,2-Dichloropropane	ND	µg/L	NA	5.0		10/19/05 9:06 PM	TC
cis-1,3-Dichloropropene	ND	µg/L	NA	5.0		10/19/05 9:06 PM	TC
trans-1,3-Dichloropropene	ND	µg/L	NA	5.0		10/19/05 9:06 PM	TC
Ethylbenzene	ND	µg/L	NA	5.0		10/19/05 9:06 PM	TC
2-Hexanone	ND	µg/L	NA	50.0		10/19/05 9:06 PM	TC
Iodomethane	ND	µg/L	NA	10.0		10/19/05 9:06 PM	TC
Methylene chloride	ND	µg/L	NA	5.0		10/19/05 9:06 PM	TC
4-Methyl-2-pentanone	ND	µg/L	NA	50.0		10/19/05 9:06 PM	TC
Styrene	ND	µg/L	NA	5.0		10/19/05 9:06 PM	TC
1,1,1,2-Tetrachloroethane	ND	µg/L	NA	5.0		10/19/05 9:06 PM	TC
1,1,2,2-Tetrachloroethane	ND	µg/L	NA	5.0		10/19/05 9:06 PM	TC
Tetrachloroethene	ND	µg/L	NA	1.0		10/19/05 9:06 PM	TC
Toluene	ND	µg/L	NA	5.0		10/19/05 9:06 PM	TC
1,1,1-Trichloroethane	ND	µg/L	NA	5.0		10/19/05 9:06 PM	TC
1,1,2-Trichloroethane	ND	µg/L	NA	5.0		10/19/05 9:06 PM	TC
Trichloroethene	ND	µg/L	NA	1.0		10/19/05 9:06 PM	TC
Trichlorofluoromethane	ND	µg/L	NA	5.0		10/19/05 9:06 PM	TC
1,2,3-Trichloropropane	ND	µg/L	NA	5.0		10/19/05 9:06 PM	TC
Vinyl acetate	ND	µg/L	NA	25.0		10/19/05 9:06 PM	TC
Vinyl chloride	ND	µg/L	NA	1.0		10/19/05 9:06 PM	TC
o-Xylene	ND	µg/L	NA	5.0		10/19/05 9:06 PM	TC
m,p-Xylene	ND	µg/L	NA	5.0		10/19/05 9:06 PM	TC
Surr: 1,2-Dichloroethane-d4	106	%REC	NA	80-120		10/19/05 9:06 PM	TC
Surr: 4-Bromofluorobenzene	130	%REC	NA	86-115	S	10/19/05 9:06 PM	TC
Surr: Dibromofluoromethane	104	%REC	NA	80-120		10/19/05 9:06 PM	TC
Surr: Toluene-d8	97	%REC	NA	88-110		10/19/05 9:06 PM	TC

Key:

MCL	Maximum Contaminant Level
MDL	Minimum Detection Limit
NA	Not Applicable
ND	Not Detected at the PQL or MDL
PQL	Practical Quantitation Limit
TIC	Tentatively Identified Compounds

Qualifiers:

*	Value exceeds Maximum Contaminant Level or Regulatory Level
B	Analyte detected in the associated Method Blank
E	Value estimated due to calibration range exceedence
H	Sample extraction/analysis holding time exceeded
J	Analyte detected at less than the PQL
S	Spike/Surrogate Recovery exceeds accepted recovery limits

REI Consultants Inc. — Analytical Results

Date: *27-Feb-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**Lab Order:**	0510550
Client Sample ID:	SW-1	**Lab ID:**	0510550-18A
Project:	MSW LANDFILL	**Collection Date:**	10/11/2005
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
TOTAL SUSPENDED SOLIDS			**SM2540 D**				
Total Suspended Solids	3	mg/L	1	10	J	10/13/05 10:45 AM	J M
TOTAL METALS BY ICP-MS			**SW6020**				
Antimony	ND	mg/L	NA	0.0300		11/17/05 8:11 PM	BP
Arsenic	ND	mg/L	NA	0.0100		11/17/05 8:11 PM	BP
Barium	ND	mg/L	NA	0.500		11/17/05 8:11 PM	BP
Beryllium	ND	mg/L	NA	0.0020		11/17/05 8:11 PM	BP
Cadmium	ND	mg/L	NA	0.0010		11/17/05 8:11 PM	BP
Chromium	ND	mg/L	NA	0.0100		11/17/05 8:11 PM	BP
Cobalt	ND	mg/L	NA	0.0100		11/17/05 8:11 PM	BP
Copper	ND	mg/L	NA	0.200		11/17/05 8:11 PM	BP
Lead	ND	mg/L	NA	0.0100		11/17/05 8:11 PM	BP
Nickel	ND	mg/L	NA	0.0500		11/17/05 8:11 PM	BP
Selenium	ND	mg/L	NA	0.0200		11/17/05 8:11 PM	BP
Silver	ND	mg/L	NA	0.0100		11/17/05 8:11 PM	BP
Thallium	ND	mg/L	NA	0.0100		11/17/05 8:11 PM	BP
Vanadium	ND	mg/L	NA	0.0400		11/17/05 8:11 PM	BP
Zinc	ND	mg/L	NA	0.0500		11/17/05 8:11 PM	BP
VOLATILE ORGANIC COMPOUNDS			**SW8260B**				
Acetone	ND	µg/L	NA	50.0		10/19/05 9:42 PM	TC
Acrylonitrile	ND	µg/L	NA	25.0		10/19/05 9:42 PM	TC
Benzene	ND	µg/L	NA	1.0		10/19/05 9:42 PM	TC
Bromochloromethane	ND	µg/L	NA	5.0		10/19/05 9:42 PM	TC
Bromodichloromethane	ND	µg/L	NA	1.0		10/19/05 9:42 PM	TC
Bromoform	ND	µg/L	NA	5.0		10/19/05 9:42 PM	TC
Bromomethane	ND	µg/L	NA	5.0		10/19/05 9:42 PM	TC
2-Butanone	ND	µg/L	NA	50.0		10/19/05 9:42 PM	TC
Carbon disulfide	ND	µg/L	NA	25.0		10/19/05 9:42 PM	TC
Carbon tetrachloride	ND	µg/L	NA	5.0		10/19/05 9:42 PM	TC
Chlorobenzene	ND	µg/L	NA	5.0		10/19/05 9:42 PM	TC
Chloroethane	ND	µg/L	NA	5.0		10/19/05 9:42 PM	TC
Chloroform	ND	µg/L	NA	1.0		10/19/05 9:42 PM	TC
Chloromethane	ND	µg/L	NA	5.0		10/19/05 9:42 PM	TC
Dibromochloromethane	ND	µg/L	NA	5.0		10/19/05 9:42 PM	TC
1,2-Dibromo-3-chloropropane	ND	µg/L	NA	1.0		10/19/05 9:42 PM	TC
1,2-Dibromoethane	ND	µg/L	NA	1.0		10/19/05 9:42 PM	TC
Dibromomethane	ND	µg/L	NA	5.0		10/19/05 9:42 PM	TC
1,2-Dichlorobenzene	ND	µg/L	NA	5.0		10/19/05 9:42 PM	TC

Key:

MCL	Maximum Contaminant Level
MDL	Minimum Detection Limit
NA	Not Applicable
ND	Not Detected at the PQL or MDL
PQL	Practical Quantitation Limit
TIC	Tentatively Identified Compounds

Qualifiers:

*	Value exceeds Maximum Contaminant Level or Regulatory Level
B	Analyte detected in the associated Method Blank
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H	Sample extraction/analysis holding time exceeded
J	Analyte detected at less than the PQL
S	Spike/Surrogate Recovery exceeds accepted recovery limits

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**Lab Order:**	0510550
Client Sample ID:	SW-1	**Lab ID:**	0510550-18A
Project:	MSW LANDFILL	**Collection Date:**	10/11/2005
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
VOLATILE ORGANIC COMPOUNDS			**SW8260B**				
1,4-Dichlorobenzene	ND	µg/L	NA	5.0		10/19/05 9:42 PM	TC
trans-1,4-Dichloro-2-butene	ND	µg/L	NA	50.0		10/19/05 9:42 PM	TC
1,1-Dichloroethane	ND	µg/L	NA	5.0		10/19/05 9:42 PM	TC
1,2-Dichloroethane	ND	µg/L	NA	1.0		10/19/05 9:42 PM	TC
1,1-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 9:42 PM	TC
cis-1,2-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 9:42 PM	TC
trans-1,2-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 9:42 PM	TC
1,2-Dichloropropane	ND	µg/L	NA	5.0		10/19/05 9:42 PM	TC
cis-1,3-Dichloropropene	ND	µg/L	NA	5.0		10/19/05 9:42 PM	TC
trans-1,3-Dichloropropene	ND	µg/L	NA	5.0		10/19/05 9:42 PM	TC
Ethylbenzene	ND	µg/L	NA	5.0		10/19/05 9:42 PM	TC
2-Hexanone	ND	µg/L	NA	50.0		10/19/05 9:42 PM	TC
Iodomethane	ND	µg/L	NA	10.0		10/19/05 9:42 PM	TC
Methylene chloride	ND	µg/L	NA	5.0		10/19/05 9:42 PM	TC
4-Methyl-2-pentanone	ND	µg/L	NA	50.0		10/19/05 9:42 PM	TC
Styrene	ND	µg/L	NA	5.0		10/19/05 9:42 PM	TC
1,1,1,2-Tetrachloroethane	ND	µg/L	NA	5.0		10/19/05 9:42 PM	TC
1,1,2,2-Tetrachloroethane	ND	µg/L	NA	5.0		10/19/05 9:42 PM	TC
Tetrachloroethene	ND	µg/L	NA	1.0		10/19/05 9:42 PM	TC
Toluene	ND	µg/L	NA	5.0		10/19/05 9:42 PM	TC
1,1,1-Trichloroethane	ND	µg/L	NA	5.0		10/19/05 9:42 PM	TC
1,1,2-Trichloroethane	ND	µg/L	NA	5.0		10/19/05 9:42 PM	TC
Trichloroethene	ND	µg/L	NA	1.0		10/19/05 9:42 PM	TC
Trichlorofluoromethane	ND	µg/L	NA	5.0		10/19/05 9:42 PM	TC
1,2,3-Trichloropropane	ND	µg/L	NA	5.0		10/19/05 9:42 PM	TC
Vinyl acetate	ND	µg/L	NA	25.0		10/19/05 9:42 PM	TC
Vinyl chloride	ND	µg/L	NA	1.0		10/19/05 9:42 PM	TC
o-Xylene	ND	µg/L	NA	5.0		10/19/05 9:42 PM	TC
m,p-Xylene	ND	µg/L	NA	5.0		10/19/05 9:42 PM	TC
Surr: 1,2-Dichloroethane-d4	107	%REC	NA	80-120		10/19/05 9:42 PM	TC
Surr: 4-Bromofluorobenzene	120	%REC	NA	86-115	S	10/19/05 9:42 PM	TC
Surr: Dibromofluoromethane	106	%REC	NA	80-120		10/19/05 9:42 PM	TC
Surr: Toluene-d8	100	%REC	NA	88-110		10/19/05 9:42 PM	TC

Key:

MCL	Maximum Contaminant Level
MDL	Minimum Detection Limit
NA	Not Applicable
ND	Not Detected at the PQL or MDL
PQL	Practical Quantitation Limit
TIC	Tentatively Identified Compounds

Qualifiers:

*	Value exceeds Maximum Contaminant Level or Regulatory Level
B	Analyte detected in the associated Method Blank
E	Value estimated due to calibration range exceedence
H	Sample extraction/analysis holding time exceeded
J	Analyte detected at less than the PQL
S	Spike/Surrogate Recovery exceeds accepted recovery limits

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**Lab Order:**	0510550
Client Sample ID:	SW-2	**Lab ID:**	0510550-19A
Project:	MSW LANDFILL	**Collection Date:**	10/11/2005
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
TOTAL SUSPENDED SOLIDS			**SM2540 D**				
Total Suspended Solids	7	mg/L	1	10	J	10/13/05 10:45 AM	J M
TOTAL METALS BY ICP-MS			**SW6020**				
Antimony	ND	mg/L	NA	0.0300		11/17/05 8:16 PM	BP
Arsenic	ND	mg/L	NA	0.0100		11/17/05 8:16 PM	BP
Barium	ND	mg/L	NA	0.500		11/17/05 8:16 PM	BP
Beryllium	ND	mg/L	NA	0.0020		11/17/05 8:16 PM	BP
Cadmium	ND	mg/L	NA	0.0010		11/17/05 8:16 PM	BP
Chromium	ND	mg/L	NA	0.0100		11/17/05 8:16 PM	BP
Cobalt	ND	mg/L	NA	0.0100		11/17/05 8:16 PM	BP
Copper	ND	mg/L	NA	0.200		11/17/05 8:16 PM	BP
Lead	ND	mg/L	NA	0.0100		11/17/05 8:16 PM	BP
Nickel	ND	mg/L	NA	0.0500		11/17/05 8:16 PM	BP
Selenium	ND	mg/L	NA	0.0200		11/17/05 8:16 PM	BP
Silver	ND	mg/L	NA	0.0100		11/17/05 8:16 PM	BP
Thallium	ND	mg/L	NA	0.0100		11/17/05 8:16 PM	BP
Vanadium	ND	mg/L	NA	0.0400		11/17/05 8:16 PM	BP
Zinc	ND	mg/L	NA	0.0500		11/17/05 8:16 PM	BP
VOLATILE ORGANIC COMPOUNDS			**SW8260B**				
Acetone	ND	µg/L	NA	50.0		10/19/05 10:18 PM	TC
Acrylonitrile	ND	µg/L	NA	25.0		10/19/05 10:18 PM	TC
Benzene	ND	µg/L	NA	1.0		10/19/05 10:18 PM	TC
Bromochloromethane	ND	µg/L	NA	5.0		10/19/05 10:18 PM	TC
Bromodichloromethane	ND	µg/L	NA	1.0		10/19/05 10:18 PM	TC
Bromoform	ND	µg/L	NA	5.0		10/19/05 10:18 PM	TC
Bromomethane	ND	µg/L	NA	5.0		10/19/05 10:18 PM	TC
2-Butanone	ND	µg/L	NA	50.0		10/19/05 10:18 PM	TC
Carbon disulfide	ND	µg/L	NA	25.0		10/19/05 10:18 PM	TC
Carbon tetrachloride	ND	µg/L	NA	5.0		10/19/05 10:18 PM	TC
Chlorobenzene	ND	µg/L	NA	5.0		10/19/05 10:18 PM	TC
Chloroethane	ND	µg/L	NA	5.0		10/19/05 10:18 PM	TC
Chloroform	ND	µg/L	NA	1.0		10/19/05 10:18 PM	TC
Chloromethane	ND	µg/L	NA	5.0		10/19/05 10:18 PM	TC
Dibromochloromethane	ND	µg/L	NA	5.0		10/19/05 10:18 PM	TC
1,2-Dibromo-3-chloropropane	ND	µg/L	NA	1.0		10/19/05 10:18 PM	TC
1,2-Dibromoethane	ND	µg/L	NA	1.0		10/19/05 10:18 PM	TC
Dibromomethane	ND	µg/L	NA	5.0		10/19/05 10:18 PM	TC
1,2-Dichlorobenzene	ND	µg/L	NA	5.0		10/19/05 10:18 PM	TC

Key:

MCL	Maximum Contaminant Level
MDL	Minimum Detection Limit
NA	Not Applicable
ND	Not Detected at the PQL or MDL
PQL	Practical Quantitation Limit
TIC	Tentatively Identified Compounds

Qualifiers:

*	Value exceeds Maximum Contaminant Level or Regulatory Level
B	Analyte detected in the associated Method Blank
E	Value estimated due to calibration range exceedence
H	Sample extraction/analysis holding time exceeded
J	Analyte detected at less than the PQL
S	Spike/Surrogate Recovery exceeds accepted recovery limits

REI Consultants Inc.

Analytical Results

Date: *27-Feb-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**Lab Order:**	0510550
Client Sample ID:	SW-2	**Lab ID:**	0510550-19A
Project:	MSW LANDFILL	**Collection Date:**	10/11/2005
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
VOLATILE ORGANIC COMPOUNDS			**SW8260B**				
1,4-Dichlorobenzene	ND	µg/L	NA	5.0		10/19/05 10:18 PM	TC
trans-1,4-Dichloro-2-butene	ND	µg/L	NA	50.0		10/19/05 10:18 PM	TC
1,1-Dichloroethane	ND	µg/L	NA	5.0		10/19/05 10:18 PM	TC
1,2-Dichloroethane	ND	µg/L	NA	1.0		10/19/05 10:18 PM	TC
1,1-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 10:18 PM	TC
cis-1,2-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 10:18 PM	TC
trans-1,2-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 10:18 PM	TC
1,2-Dichloropropane	ND	µg/L	NA	5.0		10/19/05 10:18 PM	TC
cis-1,3-Dichloropropene	ND	µg/L	NA	5.0		10/19/05 10:18 PM	TC
trans-1,3-Dichloropropene	ND	µg/L	NA	5.0		10/19/05 10:18 PM	TC
Ethylbenzene	ND	µg/L	NA	5.0		10/19/05 10:18 PM	TC
2-Hexanone	ND	µg/L	NA	50.0		10/19/05 10:18 PM	TC
Iodomethane	ND	µg/L	NA	10.0		10/19/05 10:18 PM	TC
Methylene chloride	ND	µg/L	NA	5.0		10/19/05 10:18 PM	TC
4-Methyl-2-pentanone	ND	µg/L	NA	50.0		10/19/05 10:18 PM	TC
Styrene	ND	µg/L	NA	5.0		10/19/05 10:18 PM	TC
1,1,1,2-Tetrachloroethane	ND	µg/L	NA	5.0		10/19/05 10:18 PM	TC
1,1,2,2-Tetrachloroethane	ND	µg/L	NA	5.0		10/19/05 10:18 PM	TC
Tetrachloroethene	ND	µg/L	NA	1.0		10/19/05 10:18 PM	TC
Toluene	ND	µg/L	NA	5.0		10/19/05 10:18 PM	TC
1,1,1-Trichloroethane	ND	µg/L	NA	5.0		10/19/05 10:18 PM	TC
1,1,2-Trichloroethane	ND	µg/L	NA	5.0		10/19/05 10:18 PM	TC
Trichloroethene	ND	µg/L	NA	1.0		10/19/05 10:18 PM	TC
Trichlorofluoromethane	ND	µg/L	NA	5.0		10/19/05 10:18 PM	TC
1,2,3-Trichloropropane	ND	µg/L	NA	5.0		10/19/05 10:18 PM	TC
Vinyl acetate	ND	µg/L	NA	25.0		10/19/05 10:18 PM	TC
Vinyl chloride	ND	µg/L	NA	1.0		10/19/05 10:18 PM	TC
o-Xylene	ND	µg/L	NA	5.0		10/19/05 10:18 PM	TC
m,p-Xylene	ND	µg/L	NA	5.0		10/19/05 10:18 PM	TC
Surr: 1,2-Dichloroethane-d4	110	%REC	NA	80-120		10/19/05 10:18 PM	TC
Surr: 4-Bromofluorobenzene	126	%REC	NA	86-115	S	10/19/05 10:18 PM	TC
Surr: Dibromofluoromethane	107	%REC	NA	80-120		10/19/05 10:18 PM	TC
Surr: Toluene-d8	99	%REC	NA	88-110		10/19/05 10:18 PM	TC

Key:

MCL	Maximum Contaminant Level
MDL	Minimum Detection Limit
NA	Not Applicable
ND	Not Detected at the PQL or MDL
PQL	Practical Quantitation Limit
TIC	Tentatively Identified Compounds

Qualifiers:

*	Value exceeds Maximum Contaminant Level or Regulatory Level
B	Analyte detected in the associated Method Blank
E	Value estimated due to calibration range exceedence
H	Sample extraction/analysis holding time exceeded
J	Analyte detected at less than the PQL
S	Spike/Surrogate Recovery exceeds accepted recovery limits

REI Consultants Inc. — Analytical Results

Date: *27-Feb-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**Lab Order:**	0510550
Client Sample ID:	SW-3	**Lab ID:**	0510550-20A
Project:	MSW LANDFILL	**Collection Date:**	10/11/2005
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
TOTAL SUSPENDED SOLIDS			**SM2540 D**				
Total Suspended Solids	6	mg/L	1	10	J	10/13/05 10:45 AM	J M
TOTAL METALS BY ICP-MS			**SW6020**				
Antimony	ND	mg/L	NA	0.0300		11/17/05 8:22 PM	BP
Arsenic	ND	mg/L	NA	0.0100		11/17/05 8:22 PM	BP
Barium	ND	mg/L	NA	0.500		11/17/05 8:22 PM	BP
Beryllium	ND	mg/L	NA	0.0020		11/17/05 8:22 PM	BP
Cadmium	ND	mg/L	NA	0.0010		11/17/05 8:22 PM	BP
Chromium	ND	mg/L	NA	0.0100		11/17/05 8:22 PM	BP
Cobalt	ND	mg/L	NA	0.0100		11/17/05 8:22 PM	BP
Copper	ND	mg/L	NA	0.200		11/17/05 8:22 PM	BP
Lead	ND	mg/L	NA	0.0100		11/17/05 8:22 PM	BP
Nickel	ND	mg/L	NA	0.0500		11/17/05 8:22 PM	BP
Selenium	ND	mg/L	NA	0.0200		11/17/05 8:22 PM	BP
Silver	ND	mg/L	NA	0.0100		11/17/05 8:22 PM	BP
Thallium	ND	mg/L	NA	0.0100		11/17/05 8:22 PM	BP
Vanadium	ND	mg/L	NA	0.0400		11/17/05 8:22 PM	BP
Zinc	ND	mg/L	NA	0.0500		11/17/05 8:22 PM	BP
VOLATILE ORGANIC COMPOUNDS			**SW8260B**				
Acetone	ND	µg/L	NA	50.0		10/19/05 10:53 PM	TC
Acrylonitrile	ND	µg/L	NA	25.0		10/19/05 10:53 PM	TC
Benzene	ND	µg/L	NA	1.0		10/19/05 10:53 PM	TC
Bromochloromethane	ND	µg/L	NA	5.0		10/19/05 10:53 PM	TC
Bromodichloromethane	ND	µg/L	NA	1.0		10/19/05 10:53 PM	TC
Bromoform	ND	µg/L	NA	5.0		10/19/05 10:53 PM	TC
Bromomethane	ND	µg/L	NA	5.0		10/19/05 10:53 PM	TC
2-Butanone	ND	µg/L	NA	50.0		10/19/05 10:53 PM	TC
Carbon disulfide	ND	µg/L	NA	25.0		10/19/05 10:53 PM	TC
Carbon tetrachloride	ND	µg/L	NA	5.0		10/19/05 10:53 PM	TC
Chlorobenzene	ND	µg/L	NA	5.0		10/19/05 10:53 PM	TC
Chloroethane	ND	µg/L	NA	5.0		10/19/05 10:53 PM	TC
Chloroform	ND	µg/L	NA	1.0		10/19/05 10:53 PM	TC
Chloromethane	ND	µg/L	NA	5.0		10/19/05 10:53 PM	TC
Dibromochloromethane	ND	µg/L	NA	5.0		10/19/05 10:53 PM	TC
1,2-Dibromo-3-chloropropane	ND	µg/L	NA	1.0		10/19/05 10:53 PM	TC
1,2-Dibromoethane	ND	µg/L	NA	1.0		10/19/05 10:53 PM	TC
Dibromomethane	ND	µg/L	NA	5.0		10/19/05 10:53 PM	TC
1,2-Dichlorobenzene	ND	µg/L	NA	5.0		10/19/05 10:53 PM	TC

Key:

MCL	Maximum Contaminant Level
MDL	Minimum Detection Limit
NA	Not Applicable
ND	Not Detected at the PQL or MDL
PQL	Practical Quantitation Limit
TIC	Tentatively Identified Compounds

Qualifiers:

*	Value exceeds Maximum Contaminant Level or Regulatory Level
B	Analyte detected in the associated Method Blank
E	Value estimated due to calibration range exceedence
H	Sample extraction/analysis holding time exceeded
J	Analyte detected at less than the PQL
S	Spike/Surrogate Recovery exceeds accepted recovery limits

REI Consultants Inc.

Analytical Results

Date: *27-Feb-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**Lab Order:**	0510550
Client Sample ID:	SW-3	**Lab ID:**	0510550-20A
Project:	MSW LANDFILL	**Collection Date:**	10/11/2005
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
VOLATILE ORGANIC COMPOUNDS			**SW8260B**				
1,4-Dichlorobenzene	ND	µg/L	NA	5.0		10/19/05 10:53 PM	TC
trans-1,4-Dichloro-2-butene	ND	µg/L	NA	50.0		10/19/05 10:53 PM	TC
1,1-Dichloroethane	ND	µg/L	NA	5.0		10/19/05 10:53 PM	TC
1,2-Dichloroethane	ND	µg/L	NA	1.0		10/19/05 10:53 PM	TC
1,1-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 10:53 PM	TC
cis-1,2-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 10:53 PM	TC
trans-1,2-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 10:53 PM	TC
1,2-Dichloropropane	ND	µg/L	NA	5.0		10/19/05 10:53 PM	TC
cis-1,3-Dichloropropene	ND	µg/L	NA	5.0		10/19/05 10:53 PM	TC
trans-1,3-Dichloropropene	ND	µg/L	NA	5.0		10/19/05 10:53 PM	TC
Ethylbenzene	ND	µg/L	NA	5.0		10/19/05 10:53 PM	TC
2-Hexanone	ND	µg/L	NA	50.0		10/19/05 10:53 PM	TC
Iodomethane	ND	µg/L	NA	10.0		10/19/05 10:53 PM	TC
Methylene chloride	ND	µg/L	NA	5.0		10/19/05 10:53 PM	TC
4-Methyl-2-pentanone	ND	µg/L	NA	50.0		10/19/05 10:53 PM	TC
Styrene	ND	µg/L	NA	5.0		10/19/05 10:53 PM	TC
1,1,1,2-Tetrachloroethane	ND	µg/L	NA	5.0		10/19/05 10:53 PM	TC
1,1,2,2-Tetrachloroethane	ND	µg/L	NA	5.0		10/19/05 10:53 PM	TC
Tetrachloroethene	ND	µg/L	NA	1.0		10/19/05 10:53 PM	TC
Toluene	ND	µg/L	NA	5.0		10/19/05 10:53 PM	TC
1,1,1-Trichloroethane	ND	µg/L	NA	5.0		10/19/05 10:53 PM	TC
1,1,2-Trichloroethane	ND	µg/L	NA	5.0		10/19/05 10:53 PM	TC
Trichloroethene	ND	µg/L	NA	1.0		10/19/05 10:53 PM	TC
Trichlorofluoromethane	ND	µg/L	NA	5.0		10/19/05 10:53 PM	TC
1,2,3-Trichloropropane	ND	µg/L	NA	5.0		10/19/05 10:53 PM	TC
Vinyl acetate	ND	µg/L	NA	25.0		10/19/05 10:53 PM	TC
Vinyl chloride	ND	µg/L	NA	1.0		10/19/05 10:53 PM	TC
o-Xylene	ND	µg/L	NA	5.0		10/19/05 10:53 PM	TC
m,p-Xylene	ND	µg/L	NA	5.0		10/19/05 10:53 PM	TC
Surr: 1,2-Dichloroethane-d4	109	%REC	NA	80-120		10/19/05 10:53 PM	TC
Surr: 4-Bromofluorobenzene	125	%REC	NA	86-115	S	10/19/05 10:53 PM	TC
Surr: Dibromofluoromethane	107	%REC	NA	80-120		10/19/05 10:53 PM	TC
Surr: Toluene-d8	97	%REC	NA	88-110		10/19/05 10:53 PM	TC

Key:

MCL	Maximum Contaminant Level
MDL	Minimum Detection Limit
NA	Not Applicable
ND	Not Detected at the PQL or MDL
PQL	Practical Quantitation Limit
TIC	Tentatively Identified Compounds

Qualifiers:

*	Value exceeds Maximum Contaminant Level or Regulatory Level
B	Analyte detected in the associated Method Blank
E	Value estimated due to calibration range exceedence
H	Sample extraction/analysis holding time exceeded
J	Analyte detected at less than the PQL
S	Spike/Surrogate Recovery exceeds accepted recovery limits

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**Lab Order:**	0510550
Client Sample ID:	SW-4	**Lab ID:**	0510550-21A
Project:	MSW LANDFILL	**Collection Date:**	10/11/2005
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
TOTAL SUSPENDED SOLIDS			**SM2540 D**				
Total Suspended Solids	9	mg/L	1	10	J	10/13/05 10:45 AM	J M
TOTAL METALS BY ICP-MS			**SW6020**				
Antimony	ND	mg/L	NA	0.0300		11/09/05 8:50 PM	BP
Arsenic	ND	mg/L	NA	0.0100		11/09/05 8:50 PM	BP
Barium	ND	mg/L	NA	0.500		11/09/05 8:50 PM	BP
Beryllium	ND	mg/L	NA	0.0020		11/09/05 8:50 PM	BP
Cadmium	ND	mg/L	NA	0.0010		11/09/05 8:50 PM	BP
Chromium	ND	mg/L	NA	0.0100		11/09/05 8:50 PM	BP
Cobalt	ND	mg/L	NA	0.0100		11/09/05 8:50 PM	BP
Copper	ND	mg/L	NA	0.200		11/09/05 8:50 PM	BP
Lead	ND	mg/L	NA	0.0100		11/09/05 8:50 PM	BP
Nickel	ND	mg/L	NA	0.0500		11/09/05 8:50 PM	BP
Selenium	ND	mg/L	NA	0.0200		11/09/05 8:50 PM	BP
Silver	ND	mg/L	NA	0.0100		11/09/05 8:50 PM	BP
Thallium	ND	mg/L	NA	0.0100		11/09/05 8:50 PM	BP
Vanadium	ND	mg/L	NA	0.0400		11/09/05 8:50 PM	BP
Zinc	ND	mg/L	NA	0.0500		11/09/05 8:50 PM	BP
VOLATILE ORGANIC COMPOUNDS			**SW8260B**				
Acetone	ND	µg/L	NA	50.0		10/19/05 11:29 PM	TC
Acrylonitrile	ND	µg/L	NA	25.0		10/19/05 11:29 PM	TC
Benzene	ND	µg/L	NA	1.0		10/19/05 11:29 PM	TC
Bromochloromethane	ND	µg/L	NA	5.0		10/19/05 11:29 PM	TC
Bromodichloromethane	ND	µg/L	NA	1.0		10/19/05 11:29 PM	TC
Bromoform	ND	µg/L	NA	5.0		10/19/05 11:29 PM	TC
Bromomethane	ND	µg/L	NA	5.0		10/19/05 11:29 PM	TC
2-Butanone	ND	µg/L	NA	50.0		10/19/05 11:29 PM	TC
Carbon disulfide	ND	µg/L	NA	25.0		10/19/05 11:29 PM	TC
Carbon tetrachloride	ND	µg/L	NA	5.0		10/19/05 11:29 PM	TC
Chlorobenzene	ND	µg/L	NA	5.0		10/19/05 11:29 PM	TC
Chloroethane	ND	µg/L	NA	5.0		10/19/05 11:29 PM	TC
Chloroform	ND	µg/L	NA	1.0		10/19/05 11:29 PM	TC
Chloromethane	ND	µg/L	NA	5.0		10/19/05 11:29 PM	TC
Dibromochloromethane	ND	µg/L	NA	5.0		10/19/05 11:29 PM	TC
1,2-Dibromo-3-chloropropane	ND	µg/L	NA	1.0		10/19/05 11:29 PM	TC
1,2-Dibromoethane	ND	µg/L	NA	1.0		10/19/05 11:29 PM	TC
Dibromomethane	ND	µg/L	NA	5.0		10/19/05 11:29 PM	TC
1,2-Dichlorobenzene	ND	µg/L	NA	5.0		10/19/05 11:29 PM	TC

Key:

MCL	Maximum Contaminant Level
MDL	Minimum Detection Limit
NA	Not Applicable
ND	Not Detected at the PQL or MDL
PQL	Practical Quantitation Limit
TIC	Tentatively Identified Compounds

Qualifiers:

*	Value exceeds Maximum Contaminant Level or Regulatory Level
B	Analyte detected in the associated Method Blank
E	Value estimated due to calibration range exceedence
H	Sample extraction/analysis holding time exceeded
J	Analyte detected at less than the PQL
S	Spike/Surrogate Recovery exceeds accepted recovery limits

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**Lab Order:**	0510550
Client Sample ID:	SW-4	**Lab ID:**	0510550-21A
Project:	MSW LANDFILL	**Collection Date:**	10/11/2005
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
VOLATILE ORGANIC COMPOUNDS			**SW8260B**				
1,4-Dichlorobenzene	ND	µg/L	NA	5.0		10/19/05 11:29 PM	TC
trans-1,4-Dichloro-2-butene	ND	µg/L	NA	50.0		10/19/05 11:29 PM	TC
1,1-Dichloroethane	ND	µg/L	NA	5.0		10/19/05 11:29 PM	TC
1,2-Dichloroethane	ND	µg/L	NA	1.0		10/19/05 11:29 PM	TC
1,1-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 11:29 PM	TC
cis-1,2-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 11:29 PM	TC
trans-1,2-Dichloroethene	ND	µg/L	NA	5.0		10/19/05 11:29 PM	TC
1,2-Dichloropropane	ND	µg/L	NA	5.0		10/19/05 11:29 PM	TC
cis-1,3-Dichloropropene	ND	µg/L	NA	5.0		10/19/05 11:29 PM	TC
trans-1,3-Dichloropropene	ND	µg/L	NA	5.0		10/19/05 11:29 PM	TC
Ethylbenzene	ND	µg/L	NA	5.0		10/19/05 11:29 PM	TC
2-Hexanone	ND	µg/L	NA	50.0		10/19/05 11:29 PM	TC
Iodomethane	ND	µg/L	NA	10.0		10/19/05 11:29 PM	TC
Methylene chloride	ND	µg/L	NA	5.0		10/19/05 11:29 PM	TC
4-Methyl-2-pentanone	ND	µg/L	NA	50.0		10/19/05 11:29 PM	TC
Styrene	ND	µg/L	NA	5.0		10/19/05 11:29 PM	TC
1,1,1,2-Tetrachloroethane	ND	µg/L	NA	5.0		10/19/05 11:29 PM	TC
1,1,2,2-Tetrachloroethane	ND	µg/L	NA	5.0		10/19/05 11:29 PM	TC
Tetrachloroethene	ND	µg/L	NA	1.0		10/19/05 11:29 PM	TC
Toluene	ND	µg/L	NA	5.0		10/19/05 11:29 PM	TC
1,1,1-Trichloroethane	ND	µg/L	NA	5.0		10/19/05 11:29 PM	TC
1,1,2-Trichloroethane	ND	µg/L	NA	5.0		10/19/05 11:29 PM	TC
Trichloroethene	ND	µg/L	NA	1.0		10/19/05 11:29 PM	TC
Trichlorofluoromethane	ND	µg/L	NA	5.0		10/19/05 11:29 PM	TC
1,2,3-Trichloropropane	ND	µg/L	NA	5.0		10/19/05 11:29 PM	TC
Vinyl acetate	ND	µg/L	NA	25.0		10/19/05 11:29 PM	TC
Vinyl chloride	ND	µg/L	NA	1.0		10/19/05 11:29 PM	TC
o-Xylene	ND	µg/L	NA	5.0		10/19/05 11:29 PM	TC
m,p-Xylene	ND	µg/L	NA	5.0		10/19/05 11:29 PM	TC
Surr: 1,2-Dichloroethane-d4	108	%REC	NA	80-120		10/19/05 11:29 PM	TC
Surr: 4-Bromofluorobenzene	126	%REC	NA	86-115	S	10/19/05 11:29 PM	TC
Surr: Dibromofluoromethane	108	%REC	NA	80-120		10/19/05 11:29 PM	TC
Surr: Toluene-d8	100	%REC	NA	88-110		10/19/05 11:29 PM	TC

Key:
- MCL Maximum Contaminant Level
- MDL Minimum Detection Limit
- NA Not Applicable
- ND Not Detected at the PQL or MDL
- PQL Practical Quantitation Limit
- TIC Tentatively Identified Compounds

Qualifiers:
- * Value exceeds Maximum Contaminant Level or Regulatory Level
- B Analyte detected in the associated Method Blank
- E Value estimated due to calibration range exceedence
- H Sample extraction/analysis holding time exceeded
- J Analyte detected at less than the PQL
- S Spike/Surrogate Recovery exceeds accepted recovery limits

REI Consultants Inc. — Analytical Results — Date: *27-Feb-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**Lab Order:**	0510550
Client Sample ID:	TRIP BLANK #2	**Lab ID:**	0510550-22A
Project:	MSW LANDFILL	**Collection Date:**	10/11/2005
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
VOLATILE ORGANIC COMPOUNDS			**SW8260B**				
Acetone	ND	µg/L	NA	50.0		10/20/05 12:05 AM	TC
Acrylonitrile	ND	µg/L	NA	25.0		10/20/05 12:05 AM	TC
Benzene	ND	µg/L	NA	1.0		10/20/05 12:05 AM	TC
Bromochloromethane	ND	µg/L	NA	5.0		10/20/05 12:05 AM	TC
Bromodichloromethane	ND	µg/L	NA	1.0		10/20/05 12:05 AM	TC
Bromoform	ND	µg/L	NA	5.0		10/20/05 12:05 AM	TC
Bromomethane	ND	µg/L	NA	5.0		10/20/05 12:05 AM	TC
2-Butanone	ND	µg/L	NA	50.0		10/20/05 12:05 AM	TC
Carbon disulfide	ND	µg/L	NA	25.0		10/20/05 12:05 AM	TC
Carbon tetrachloride	ND	µg/L	NA	5.0		10/20/05 12:05 AM	TC
Chlorobenzene	ND	µg/L	NA	5.0		10/20/05 12:05 AM	TC
Chloroethane	ND	µg/L	NA	5.0		10/20/05 12:05 AM	TC
Chloroform	ND	µg/L	NA	1.0		10/20/05 12:05 AM	TC
Chloromethane	ND	µg/L	NA	5.0		10/20/05 12:05 AM	TC
Dibromochloromethane	ND	µg/L	NA	5.0		10/20/05 12:05 AM	TC
1,2-Dibromo-3-chloropropane	ND	µg/L	NA	1.0		10/20/05 12:05 AM	TC
1,2-Dibromoethane	ND	µg/L	NA	1.0		10/20/05 12:05 AM	TC
Dibromomethane	ND	µg/L	NA	5.0		10/20/05 12:05 AM	TC
1,2-Dichlorobenzene	ND	µg/L	NA	5.0		10/20/05 12:05 AM	TC
1,4-Dichlorobenzene	ND	µg/L	NA	5.0		10/20/05 12:05 AM	TC
trans-1,4-Dichloro-2-butene	ND	µg/L	NA	50.0		10/20/05 12:05 AM	TC
1,1-Dichloroethane	ND	µg/L	NA	5.0		10/20/05 12:05 AM	TC
1,2-Dichloroethane	ND	µg/L	NA	1.0		10/20/05 12:05 AM	TC
1,1-Dichloroethene	ND	µg/L	NA	5.0		10/20/05 12:05 AM	TC
cis-1,2-Dichloroethene	ND	µg/L	NA	5.0		10/20/05 12:05 AM	TC
trans-1,2-Dichloroethene	ND	µg/L	NA	5.0		10/20/05 12:05 AM	TC
1,2-Dichloropropane	ND	µg/L	NA	5.0		10/20/05 12:05 AM	TC
cis-1,3-Dichloropropene	ND	µg/L	NA	5.0		10/20/05 12:05 AM	TC
trans-1,3-Dichloropropene	ND	µg/L	NA	5.0		10/20/05 12:05 AM	TC
Ethylbenzene	ND	µg/L	NA	5.0		10/20/05 12:05 AM	TC
2-Hexanone	ND	µg/L	NA	50.0		10/20/05 12:05 AM	TC
Iodomethane	ND	µg/L	NA	10.0		10/20/05 12:05 AM	TC
Methylene chloride	ND	µg/L	NA	5.0		10/20/05 12:05 AM	TC
4-Methyl-2-pentanone	ND	µg/L	NA	50.0		10/20/05 12:05 AM	TC
Styrene	ND	µg/L	NA	5.0		10/20/05 12:05 AM	TC
1,1,1,2-Tetrachloroethane	ND	µg/L	NA	5.0		10/20/05 12:05 AM	TC
1,1,2,2-Tetrachloroethane	ND	µg/L	NA	5.0		10/20/05 12:05 AM	TC
Tetrachloroethene	ND	µg/L	NA	1.0		10/20/05 12:05 AM	TC

Key:

MCL	Maximum Contaminant Level
MDL	Minimum Detection Limit
NA	Not Applicable
ND	Not Detected at the PQL or MDL
PQL	Practical Quantitation Limit
TIC	Tentatively Identified Compounds

Qualifiers:

*	Value exceeds Maximum Contaminant Level or Regulatory Level
B	Analyte detected in the associated Method Blank
E	Value estimated due to calibration range exceedence
H	Sample extraction/analysis holding time exceeded
J	Analyte detected at less than the PQL
S	Spike/Surrogate Recovery exceeds accepted recovery limits

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**Lab Order:**	0510550
Client Sample ID:	TRIP BLANK #2	**Lab ID:**	0510550-22A
Project:	MSW LANDFILL	**Collection Date:**	10/11/2005
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
VOLATILE ORGANIC COMPOUNDS			**SW8260B**				
Toluene	ND	µg/L	NA	5.0		10/20/05 12:05 AM	TC
1,1,1-Trichloroethane	ND	µg/L	NA	5.0		10/20/05 12:05 AM	TC
1,1,2-Trichloroethane	ND	µg/L	NA	5.0		10/20/05 12:05 AM	TC
Trichloroethene	ND	µg/L	NA	1.0		10/20/05 12:05 AM	TC
Trichlorofluoromethane	ND	µg/L	NA	5.0		10/20/05 12:05 AM	TC
1,2,3-Trichloropropane	ND	µg/L	NA	5.0		10/20/05 12:05 AM	TC
Vinyl acetate	ND	µg/L	NA	25.0		10/20/05 12:05 AM	TC
Vinyl chloride	ND	µg/L	NA	1.0		10/20/05 12:05 AM	TC
o-Xylene	ND	µg/L	NA	5.0		10/20/05 12:05 AM	TC
m,p-Xylene	ND	µg/L	NA	5.0		10/20/05 12:05 AM	TC
Surr: 1,2-Dichloroethane-d4	111	%REC	NA	80-120		10/20/05 12:05 AM	TC
Surr: 4-Bromofluorobenzene	127	%REC	NA	86-115	S	10/20/05 12:05 AM	TC
Surr: Dibromofluoromethane	108	%REC	NA	80-120		10/20/05 12:05 AM	TC
Surr: Toluene-d8	100	%REC	NA	88-110		10/20/05 12:05 AM	TC

Key:

MCL	Maximum Contaminant Level
MDL	Minimum Detection Limit
NA	Not Applicable
ND	Not Detected at the PQL or MDL
PQL	Practical Quantitation Limit
TIC	Tentatively Identified Compounds

Qualifiers:

*	Value exceeds Maximum Contaminant Level or Regulatory Level
B	Analyte detected in the associated Method Blank
E	Value estimated due to calibration range exceedence
H	Sample extraction/analysis holding time exceeded
J	Analyte detected at less than the PQL
S	Spike/Surrogate Recovery exceeds accepted recovery limits

REIC

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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

February 24, 2006

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

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

RE: MSW LANDFILL

Order No.: 0510549

Dear Mr. Chris Stahl:

REI Consultants Inc. received 1 sample(s) on 10/13/2005 for the analyses presented in the following report.

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

Sincerely,

Ray Erickson
Vice President

REI Consultants Inc.

Analytical Results

Date: *24-Feb-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**Lab Order:**	0510549
Client Sample ID:	LEACHATE	**Lab ID:**	0510549-01A
Project:	MSW LANDFILL	**Collection Date:**	10/12/2005
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
ANIONS BY ION CHROMATOGRAPHY			**E300.0**				
Nitrogen, Nitrate	21.3	mg/L	NA	0.10		10/13/05 3:30 PM	LK
Sulfate	19.7	mg/L	NA	5.00		10/13/05 3:30 PM	LK
CHEMICAL OXYGEN DEMAND			**E410.4**				
Chemical Oxygen Demand	1050	mg/L	NA	10		10/18/05 9:30 AM	CH
PHOSPHORUS			**SM4500-P BE**				
Phosphorus, Total	3.70	mg/L	NA	0.05		10/25/05 8:40 AM	CH
BOD, 5 DAY, 20°C			**SM5210 B**				
Biochemical Oxygen Demand	57	mg/L	2	5		10/13/05 1:00 PM	DSA
TOTAL METALS BY ICP-MS			**SW6020**				
Antimony	ND	mg/L	NA	0.0300		11/09/05 8:33 PM	BP
Arsenic	0.0106	mg/L	NA	0.0100		11/09/05 8:33 PM	BP
Barium	0.531	mg/L	NA	0.500		11/09/05 8:33 PM	BP
Beryllium	ND	mg/L	NA	0.0020		11/09/05 8:33 PM	BP
Cadmium	ND	mg/L	NA	0.0010		11/09/05 8:33 PM	BP
Chromium	0.0151	mg/L	NA	0.0100		11/09/05 8:33 PM	BP
Cobalt	0.0406	mg/L	NA	0.0100		11/09/05 8:33 PM	BP
Copper	ND	mg/L	NA	0.200		11/09/05 8:33 PM	BP
Lead	ND	mg/L	NA	0.0100		11/09/05 8:33 PM	BP
Nickel	0.0962	mg/L	NA	0.0500		11/09/05 8:33 PM	BP
Selenium	ND	mg/L	NA	0.0200		11/09/05 8:33 PM	BP
Silver	ND	mg/L	NA	0.0100		11/09/05 8:33 PM	BP
Thallium	ND	mg/L	NA	0.0100		11/09/05 8:33 PM	BP
Vanadium	ND	mg/L	NA	0.0400		11/09/05 8:33 PM	BP
Zinc	ND	mg/L	NA	0.0500		11/09/05 8:33 PM	BP
VOLATILE ORGANIC COMPOUNDS			**SW8260B**				
Acetone	ND	µg/L	NA	50.0		10/20/05 12:05 PM	TC
Acrylonitrile	ND	µg/L	NA	25.0		10/20/05 12:05 PM	TC
Benzene	ND	µg/L	NA	1.0		10/20/05 12:05 PM	TC
Bromochloromethane	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
Bromodichloromethane	ND	µg/L	NA	1.0		10/20/05 12:05 PM	TC
Bromoform	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
Bromomethane	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
2-Butanone	ND	µg/L	NA	50.0		10/20/05 12:05 PM	TC
Carbon disulfide	ND	µg/L	NA	25.0		10/20/05 12:05 PM	TC
Carbon tetrachloride	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC

Key:

MCL	Maximum Contaminant Level
MDL	Minimum Detection Limit
NA	Not Applicable
ND	Not Detected at the PQL or MDL
PQL	Practical Quantitation Limit
TIC	Tentatively Identified Compounds

Qualifiers:

*	Value exceeds Maximum Contaminant Level or Regulatory Level
B	Analyte detected in the associated Method Blank
E	Value estimated due to calibration range exceedence
H	Sample extraction/analysis holding time exceeded
J	Analyte detected at less than the PQL
S	Spike/Surrogate Recovery exceeds accepted recovery limits

REI Consultants Inc. — Analytical Results — Date: *24-Feb-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**Lab Order:**	0510549
Client Sample ID:	LEACHATE	**Lab ID:**	0510549-01A
Project:	MSW LANDFILL	**Collection Date:**	10/12/2005
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
VOLATILE ORGANIC COMPOUNDS			**SW8260B**				
Chlorobenzene	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
Chloroethane	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
Chloroform	ND	µg/L	NA	1.0		10/20/05 12:05 PM	TC
Chloromethane	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
Dibromochloromethane	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
1,2-Dibromo-3-chloropropane	ND	µg/L	NA	1.0		10/20/05 12:05 PM	TC
1,2-Dibromoethane	ND	µg/L	NA	1.0		10/20/05 12:05 PM	TC
Dibromomethane	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
1,2-Dichlorobenzene	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
1,4-Dichlorobenzene	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
trans-1,4-Dichloro-2-butene	ND	µg/L	NA	50.0		10/20/05 12:05 PM	TC
1,1-Dichloroethane	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
1,2-Dichloroethane	ND	µg/L	NA	1.0		10/20/05 12:05 PM	TC
1,1-Dichloroethene	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
cis-1,2-Dichloroethene	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
trans-1,2-Dichloroethene	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
1,2-Dichloropropane	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
cis-1,3-Dichloropropene	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
trans-1,3-Dichloropropene	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
Ethylbenzene	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
2-Hexanone	ND	µg/L	NA	50.0		10/20/05 12:05 PM	TC
Iodomethane	ND	µg/L	NA	10.0		10/20/05 12:05 PM	TC
Methylene chloride	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
4-Methyl-2-pentanone	ND	µg/L	NA	50.0		10/20/05 12:05 PM	TC
Styrene	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
1,1,1,2-Tetrachloroethane	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
1,1,2,2-Tetrachloroethane	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
Tetrachloroethene	ND	µg/L	NA	1.0		10/20/05 12:05 PM	TC
Toluene	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
1,1,1-Trichloroethane	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
1,1,2-Trichloroethane	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
Trichloroethene	ND	µg/L	NA	1.0		10/20/05 12:05 PM	TC
Trichlorofluoromethane	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
1,2,3-Trichloropropane	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
Vinyl acetate	ND	µg/L	NA	25.0		10/20/05 12:05 PM	TC
Vinyl chloride	ND	µg/L	NA	1.0		10/20/05 12:05 PM	TC
o-Xylene	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
m,p-Xylene	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC

Key:

MCL	Maximum Contaminant Level
MDL	Minimum Detection Limit
NA	Not Applicable
ND	Not Detected at the PQL or MDL
PQL	Practical Quantitation Limit
TIC	Tentatively Identified Compounds

Qualifiers:

*	Value exceeds Maximum Contaminant Level or Regulatory Level
B	Analyte detected in the associated Method Blank
E	Value estimated due to calibration range exceedence
H	Sample extraction/analysis holding time exceeded
J	Analyte detected at less than the PQL
S	Spike/Surrogate Recovery exceeds accepted recovery limits

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**Lab Order:**	0510549
Client Sample ID:	LEACHATE	**Lab ID:**	0510549-01A
Project:	MSW LANDFILL	**Collection Date:**	10/12/2005
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
VOLATILE ORGANIC COMPOUNDS			**SW8260B**				
Surr: 1,2-Dichloroethane-d4	102	%REC	NA	80-120		10/20/05 12:05 PM	TC
Surr: 4-Bromofluorobenzene	107	%REC	NA	86-115		10/20/05 12:05 PM	TC
Surr: Dibromofluoromethane	100	%REC	NA	80-120		10/20/05 12:05 PM	TC
Surr: Toluene-d8	100	%REC	NA	88-110		10/20/05 12:05 PM	TC

Key:			Qualifiers:		
	MCL	Maximum Contaminant Level		*	Value exceeds Maximum Contaminant Level or Regulatory Level
	MDL	Minimum Detection Limit		B	Analyte detected in the associated Method Blank
	NA	Not Applicable		E	Value estimated due to calibration range exceedence
	ND	Not Detected at the PQL or MDL		H	Sample extraction/analysis holding time exceeded
	PQL	Practical Quantitation Limit		J	Analyte detected at less than the PQL
	TIC	Tentatively Identified Compounds		S	Spike/Surrogate Recovery exceeds accepted recovery limits

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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

February 10, 2006

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

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

RE: MSW LANDFILL

Order No.: 0510549

Dear Mr. Chris Stahl:

REI Consultants Inc. received 1 sample(s) on 10/13/2005 for the analyses presented in the following report.

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

Sincerely,

Ray Erickson
Vice President

REI Consultants Inc. **Date:** *10-Feb-06*

CLIENT: MACON COUNTY SOLID WASTE MAN
Project: MSW LANDFILL
Lab Order: 0510549

CASE NARRATIVE

REI Consultants, Inc. attests to the validity of the laboratory data generated and reported herein. All analyses performed were done using established laboratory SOPs that incorporate QA/QC procedures described in the applicable methods. REIC technical directors have reviewed the data for compliance with the laboratory Quality Control Program, and data have been found to be compliant with laboratory protocols unless otherwise noted in this case narrative. Any deviations from normal protocol will be discussed in this narrative and/or qualified within the Analytical Results utilizing an alphanumeric character which is explained at the bottom of each Analytical Results page.

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

Samples were analyzed using the methods stated in the analytical report without modification unless otherwise noted.

Analytical methods contained in this report referencing Standard Methods are taken from the 18th Edition.

All samples analyzed on an "as-received" basis unless otherwise noted in the analytical report.

The Laboratory Director or his designee, as verified by the signature contained in the analytical report, has authorized the release of the data contained in this hard copy data package.

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.

The BOD was taken off on 10/18/05 at 11:00 am

REI Consultants Inc.

Analytical Results

Date: *10-Feb-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**Lab Order:**	0510549
Client Sample ID:	LEACHATE	**Lab ID:**	0510549-01A
Project:	MSW LANDFILL	**Collection Date:**	10/12/2005
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
ANIONS BY ION CHROMATOGRAPHY			**E300.0**				
Nitrogen, Nitrate	21.3	mg/L	NA	0.10		10/13/05 3:30 PM	LK
Sulfate	19.7	mg/L	NA	5.00		10/13/05 3:30 PM	LK
CHEMICAL OXYGEN DEMAND			**E410.4**				
Chemical Oxygen Demand	1050	mg/L	NA	10		10/18/05 9:30 AM	CH
PHOSPHORUS			**SM4500-P BE**				
Phosphorus, Total	3.70	mg/L	NA	0.05		10/25/05 8:40 AM	CH
BOD, 5 DAY, 20°C			**SM5210 B**				
Biochemical Oxygen Demand	57	mg/L	2	5		10/13/05 1:00 PM	DSA
TOTAL METALS BY ICP-MS			**SW6020**				
Antimony	ND	mg/L	NA	0.0300		11/09/05 8:33 PM	BP
Arsenic	0.0106	mg/L	NA	0.0100		11/09/05 8:33 PM	BP
Barium	0.531	mg/L	NA	0.500		11/09/05 8:33 PM	BP
Beryllium	ND	mg/L	NA	0.0020		11/09/05 8:33 PM	BP
Cadmium	ND	mg/L	NA	0.0010		11/09/05 8:33 PM	BP
Chromium	0.0151	mg/L	NA	0.0100		11/09/05 8:33 PM	BP
Cobalt	0.0406	mg/L	NA	0.0100		11/09/05 8:33 PM	BP
Copper	ND	mg/L	NA	0.200		11/09/05 8:33 PM	BP
Lead	ND	mg/L	NA	0.0100		11/09/05 8:33 PM	BP
Nickel	0.0962	mg/L	NA	0.0500		11/09/05 8:33 PM	BP
Selenium	ND	mg/L	NA	0.0200		11/09/05 8:33 PM	BP
Silver	ND	mg/L	NA	0.0100		11/09/05 8:33 PM	BP
Thallium	ND	mg/L	NA	0.0100		11/09/05 8:33 PM	BP
Vanadium	ND	mg/L	NA	0.0400		11/09/05 8:33 PM	BP
Zinc	ND	mg/L	NA	0.0500		11/09/05 8:33 PM	BP
VOLATILE ORGANIC COMPOUNDS			**SW8260B**				
Acetone	ND	µg/L	NA	50.0		10/20/05 12:05 PM	TC
Acrylonitrile	ND	µg/L	NA	25.0		10/20/05 12:05 PM	TC
Benzene	ND	µg/L	NA	1.0		10/20/05 12:05 PM	TC
Bromochloromethane	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
Bromoform	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
Bromomethane	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
2-Butanone	ND	µg/L	NA	50.0		10/20/05 12:05 PM	TC
Carbon disulfide	ND	µg/L	NA	25.0		10/20/05 12:05 PM	TC
Carbon tetrachloride	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
Chlorobenzene	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC

Bromodichloromethane 1.0

Key:

MCL	Maximum Contaminant Level
MDL	Minimum Detection Limit
NA	Not Applicable
ND	Not Detected at the PQL or MDL
PQL	Practical Quantitation Limit
TIC	Tentatively Identified Compounds

Qualifiers:

*	Value exceeds Maximum Contaminant Level or Regulatory Level
B	Analyte detected in the associated Method Blank
E	Value estimated due to calibration range exceedence
H	Sample extraction/analysis holding time exceeded
J	Analyte detected at less than the PQL
S	Spike/Surrogate Recovery exceeds accepted recovery limits

REI Consultants Inc.

Analytical Results

Date: *10-Feb-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**Lab Order:**	0510549
Client Sample ID:	LEACHATE	**Lab ID:**	0510549-01A
Project:	MSW LANDFILL	**Collection Date:**	10/12/2005
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
VOLATILE ORGANIC COMPOUNDS			**SW8260B**				
Chloroethane	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
Chloroform	ND	µg/L	NA	1.0		10/20/05 12:05 PM	TC
Chloromethane	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
Dibromochloromethane	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
1,2-Dibromo-3-chloropropane	ND	µg/L	NA	1.0		10/20/05 12:05 PM	TC
1,2-Dibromoethane	ND	µg/L	NA	1.0		10/20/05 12:05 PM	TC
Dibromomethane	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
1,2-Dichlorobenzene	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
1,4-Dichlorobenzene	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
trans-1,4-Dichloro-2-butene	ND	µg/L	NA	50.0		10/20/05 12:05 PM	TC
1,1-Dichloroethane	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
1,2-Dichloroethane	ND	µg/L	NA	1.0		10/20/05 12:05 PM	TC
1,1-Dichloroethene	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
cis-1,2-Dichloroethene	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
trans-1,2-Dichloroethene	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
1,2-Dichloropropane	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
cis-1,3-Dichloropropene	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
trans-1,3-Dichloropropene	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
Ethylbenzene	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
2-Hexanone	ND	µg/L	NA	50.0		10/20/05 12:05 PM	TC
Iodomethane	ND	µg/L	NA	10.0		10/20/05 12:05 PM	TC
Methylene chloride	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
4-Methyl-2-pentanone	ND	µg/L	NA	50.0		10/20/05 12:05 PM	TC
Styrene	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
1,1,1,2-Tetrachloroethane	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
1,1,2,2-Tetrachloroethane	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
Tetrachloroethene	ND	µg/L	NA	1.0		10/20/05 12:05 PM	TC
Toluene	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
1,1,1-Trichloroethane	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
1,1,2-Trichloroethane	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
Trichloroethene	ND	µg/L	NA	1.0		10/20/05 12:05 PM	TC
Trichlorofluoromethane	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
1,2,3-Trichloropropane	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
Vinyl acetate	ND	µg/L	NA	25.0		10/20/05 12:05 PM	TC
Vinyl chloride	ND	µg/L	NA	1.0		10/20/05 12:05 PM	TC
o-Xylene	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
m,p-Xylene	ND	µg/L	NA	5.0		10/20/05 12:05 PM	TC
Surr: 1,2-Dichloroethane-d4	102	%REC	NA	80-120		10/20/05 12:05 PM	TC

Key:

MCL	Maximum Contaminant Level
MDL	Minimum Detection Limit
NA	Not Applicable
ND	Not Detected at the PQL or MDL
PQL	Practical Quantitation Limit
TIC	Tentatively Identified Compounds

Qualifiers:

*	Value exceeds Maximum Contaminant Level or Regulatory Level
B	Analyte detected in the associated Method Blank
E	Value estimated due to calibration range exceedence
H	Sample extraction/analysis holding time exceeded
J	Analyte detected at less than the PQL
S	Spike/Surrogate Recovery exceeds accepted recovery limits

CLIENT:	MACON COUNTY SOLID WASTE MANAG	**Lab Order:**	0510549
Client Sample ID:	LEACHATE	**Lab ID:**	0510549-01A
Project:	MSW LANDFILL	**Collection Date:**	10/12/2005
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	MDL	PQL	Qual	Date Analyzed	Analyst
VOLATILE ORGANIC COMPOUNDS			**SW8260B**				
Surr: 4-Bromofluorobenzene	107	%REC	NA	86-115		10/20/05 12:05 PM	TC
Surr: Dibromofluoromethane	100	%REC	NA	80-120		10/20/05 12:05 PM	TC
Surr: Toluene-d8	100	%REC	NA	88-110		10/20/05 12:05 PM	TC

Key:			Qualifiers:		
	MCL	Maximum Contaminant Level		*	Value exceeds Maximum Contaminant Level or Regulatory Level
	MDL	Minimum Detection Limit		B	Analyte detected in the associated Method Blank
	NA	Not Applicable		E	Value estimated due to calibration range exceedence
	ND	Not Detected at the PQL or MDL		H	Sample extraction/analysis holding time exceeded
	PQL	Practical Quantitation Limit		J	Analyte detected at less than the PQL
	TIC	Tentatively Identified Compounds		S	Spike/Surrogate Recovery exceeds accepted recovery limits

CLIENT: MACON COUNTY SOLID WASTE MANAGE **Lab Order:** 0510549
Project: MSW LANDFILL
Site ID: MACON CO NC

Data Review

Approved: _____ _____
Ivan W. Leef - Inorganic Lab Manager Date

Approved: _____ _____
Joseph Robertson - Organic Lab Manager Date

Key:			Qualifiers:		
	MCL	Maximum Contaminant Level		*	Value exceeds Maximum Contaminant Level or Regulatory Level
	MDL	Minimum Detection Limit		B	Analyte detected in the associated Method Blank
	NA	Not Applicable		E	Value estimated due to calibration range exceedence
	ND	Not Detected at the PQL or MDL		H	Sample extraction/analysis holding time exceeded
	PQL	Practical Quantitation Limit		J	Analyte detected at less than the PQL
	TIC	Tentatively Identified Compounds		S	Spike/Surrogate Recovery exceeds accepted recovery limits

CHAIN OF CUSTODY RECORD NO. 172504

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 #: 828-349-2185
E-MAIL ADDRESS:
SITE ID & STATE: Macon Co MSW / N.C
PROJECT ID: MSW Landfill
SAMPLER: Farley / McBride / Lester

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: Appendix I Vocs	Metals	Bod, Nitrate, Sulfate	Cod, Tot. Phosphorous	COMMENTS
Leachate	8	10-12-05 1115	H2O	Grab	X	X	X	X	

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	10-13-05 0600	[signature]					
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	10/13/05 8:00 Date/Time	Temperature Upon Arrival 2.0° °C	☐ FAX Results	☐ Email Results	

CHAIN OF CUSTODY RECORD NO. 172505

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 #: 828-349-2185
E-MAIL ADDRESS:
SITE ID & STATE: Macon Co N.C
PROJECT ID: MSW Land Fill.
SAMPLER: Farley / McBride / Lester

SAMPLE LOG AND ANALYSIS REQUEST

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

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

PRESERVATIVE CODES

NOTE PRESERVATIVES →

ANALYSIS REQUESTED & METHOD: N.C Appendix I *, TSS

SAMPLE ID	NO. & TYPE OF CONTAINERS	SAMPLING DATE / TIME	MATRIX	SAMPLE COMP / GRAB	COMMENTS
MW-1A	6	10-12-05 1038	H2O	Grab	* Run Dis Metals on
MW-1B		1119			Totals Showing Hits.
MW-2		1200			
MW-3A		1518			
MW-10		1430			
MW-14		1628			
MW-15		1712			
MW-17		1307			
MW-18		1325			
MW-19		0833			

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
R Farley	10-13-05 0600						
			10/13/05 8:00	Temperature Upon Arrival 2.0 °C		☐ FAX Results	☐ Email Results

CHAIN OF CUSTODY RECORD NO. 172506

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 #: 828-349-8100
FAX #: 828-349-2185
E-MAIL ADDRESS:
SITE ID & STATE: Macon Co N.C
PROJECT ID: MSW Landfill
SAMPLER: Farley / McBride / Lester

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 * 755	COMMENTS
MW-19A	6	10-11-05 1555	H2O	Grab		*Run Dis. Metals on Total Metals Showing Hits.
MW-20		0915				
MW-21		0942				
MW-22		1043				
MW-22A		1055				
SW-1		1200				
SW-2		1015				
SW-3		1605				
SW-4	↓	1540	↓	↓		

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
R Farley	10-13-05 0600						
			10/14/05 8:10	Temperature Upon Arrival 2.0 °C		☐ FAX Results	☐ Email Results

CHAIN OF CUSTODY RECORD NO. 172507

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 #: 828-349-2185
E-MAIL ADDRESS:
SITE ID & STATE: Macon Co MSW
PROJECT ID: MSW Landfill
SAMPLER: Farley / McBride / Lester

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 VOL.	COMMENTS
MW-22 Dupe	18	10-11-05 1043	H2O	Grab	X	X		* Run Dis. Metals on
MW-18 Dupe	18	1325	↓	↓	X	X		Totals Showing Hits
Trip Blank #2	2 VOA		↓	↓			X	

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
R Farley	10-13-05 0600						
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Temperature Upon Arrival 2.0 °C	☐ FAX Results	☐ Email Results	
			10/13/05 8:10				

Appendix D

Historical Laboratory Results

Well	Date	Nickel	Selenium	Vanadium	Zinc	Carbon Disulfide	cis-1,2-Dichloroethene
MW-10	Oct-99	0.025	0.010	0.070	0.120	0.005	0.0025
MW-10	Apr-00	0.025	0.010	0.055	0.086	0.005	0.0025
MW-10	Oct-00	0.025	0.010	0.020	0.064	0.005	0.0025
MW-10	Apr-01	0.025	0.010	0.020	0.025	0.005	0.0025
MW-10	Oct-01	0.025	0.010	0.020	0.025	0.005	0.0025
MW-10	Apr-03	0.025	0.010	0.020	0.26	0.005	0.0025
MW-10	Oct-03	0.025	0.010	0.020	0.025	0.005	0.0025
MW-10	Apr-04	0.025	0.010	0.020	0.025	0.005	0.0059
MW-17	Oct-99	0.025	0.010	0.020	0.065	0.005	0.0025
MW-17	Apr-00	0.025	0.010	0.020	0.061	0.005	0.0025
MW-17	Oct-00	0.025	0.010	0.020	0.025	0.005	0.0025
MW-17	Apr-01	0.025	0.010	0.020	0.071	0.005	0.0025
MW-17	Oct-01	0.025	0.010	0.020	0.140	0.005	0.0025
MW-17	Apr-03	0.025	0.010	0.180	0.260	0.005	0.0025
MW-17	Oct-03	0.025	0.010	0.020	0.025	0.005	0.0025
MW-17	Apr-04	0.025	0.010	0.020	0.100	0.005	0.0025
MW-18	Oct-99	0.025	0.010	0.020	0.050	0.005	0.0025
MW-18	Apr-00	0.025	0.010	0.020	0.025	0.0035	0.0025
MW-18	Oct-00	0.025	0.010	0.020	0.025	0.005	0.0025
MW-18	Apr-01	0.025	0.010	0.020	0.071	0.005	0.0025
MW-18	Oct-01	0.025	0.010	0.020	0.025	0.005	0.0025
MW-18	Apr-03	0.025	0.010	0.020	0.025	0.005	0.0025
MW-18	Oct-03	0.025	0.010	0.020	0.025	0.005	0.0025
MW-18	Apr-04	0.025	0.010	0.057	0.082	0.005	0.0025
MW-10	Dec-04	0.025	0.010	0.020	0.025	0.005	0.0025
MW-17	Dec-04	0.025	0.010	0.020	0.0848	0.005	0.0025
MW-18	Dec-04	0.025	0.010	0.020	0.025	0.005	0.0025
MW-10	Apr-05	0.025	0.010	0.020	0.025	0.005	0.0025
MW-17	Apr-05	0.025	0.010	0.020	0.0556	0.005	0.0025
MW-18	Apr-05	0.025	0.010	0.020	0.025	0.005	0.0025
MW-10	Oct-05	0.025	0.010	0.020	0.025	0.005	0.0025
MW-17	Oct-05	0.025	0.010	0.020	0.025	0.005	0.0025
MW-18	Oct-05	0.025	0.010	0.020	0.025	0.005	0.0025
	PQL	0.050	0.020	0.040	0.050	0.010	0.005
	# Obs.	33	33	33	33	33	33
	# NDs	33	33	29	18	32	32
	% NDs	100%	100%	88%	55%	97%	97%
	Method	Nonparametric	Nonparametric	Nonparametric	Nonparametric	Nonparametric	Nonparametric
	Limit	0.050	0.020	0.180	0.260	0.010	0.006

0.05		k		**0.005**		k		**0.0025**		k	
n	10	12	15	n	10	12	15	n	10	12	15
32	1.59	1.64	1.71	32	2.25	2.29	2.36	32	2.44	2.48	2.54
33		**1.63**		33		**2.29**		33		**2.47**	
36	1.58	1.62	1.69	36	2.23	2.27	2.33	36	2.40	2.44	2.51

# const.	alpha	ln(alpha)	K
1	0.05	-2.995732	1.63
10	0.005	-5.298317	2.29
20	0.0025	-5.991465	2.47
26	0.00192	-6.25543	**2.54**

K= 2.54

33 background measurements
12 compliance wells
26 constituents for which statistical comparisons are made:

1,1-Dichloroethane
1,4-Dichlorobenzene
Acetone
Antimony
Arsenic
Barium
Benzene
Beryllium
Cadmium
Carbon Disulfide
Chlorobenzene
Chloroethane
Chromium
cis-1,2-Dichloroethane
Cobalt
Copper
Ethylbenzene
Lead
Methylene Chloride
Nickel
Selenium
Thallium
Vanadium
Vinyl Chloride
Xylenes, Total
Zinc

Chromium	i	ln(conc)
0.005		
0.005		
0.005		
0.005		
0.005		
0.005		
0.005		
0.005		
0.005		
0.005		
0.005		
0.005		
0.005		
0.005		
0.011	1	-4.510
0.011	2	-4.510
0.013	3	-4.343
0.0147	4	-4.220
0.017	5	-4.075
0.0190	6	-3.963
0.0230	7	-3.772
0.024	8	-3.730
0.025	9	-3.689
0.025	10	-3.689
0.026	11	-3.650
0.0286	12	-3.554
0.031	13	-3.474
0.031	14	-3.474
0.040	15	-3.219
0.048	16	-3.037
0.065	17	-2.733
0.100	18	-2.303
0.140	19	-1.966

x_i	x_{n-i+1}	$x_{n-i+1}-x_i$	a_{n-i+1}	b_i
0.011	0.140	0.13	0.4808	0.0620
0.011	0.100	0.09	0.3232	0.0288
0.013	0.065	0.05	0.2561	0.0133
0.0147	0.048	0.03	0.2059	0.0069
0.017	0.040	0.02	0.1641	0.0038
0.0190	0.031	0.01	0.1271	0.0015
0.0230	0.031	0.01	0.0932	0.0007
0.024	0.0286	0.00	0.0612	0.0003
0.025	0.026	0.00	0.0303	0.0000
0.025	0.025	0.00		
0.026	0.025	0.00		0.1173
0.0286	0.024	0.00		
0.031	0.0230	-0.01		
0.031	0.0190	-0.01		
0.040	0.017	-0.02		

0.048	0.0147	-0.03
0.065	0.013	-0.05
0.100	0.011	-0.09
0.140	0.011	-0.13

S.D. 0.033
W 0.704 less than 0.863, normal assumption rejected

y_i	y_{n-i+1}	$y_{n-i+1}-y_i$	a_{n-i+1}	b_i
-4.510	-1.966	2.54	0.4808	1.2230
-4.510	-2.303	2.21	0.3232	0.7134
-4.343	-2.733	1.61	0.2561	0.4122
-4.220	-3.037	1.18	0.2059	0.2437
-4.075	-3.219	0.86	0.1641	0.1404
-3.963	-3.474	0.49	0.1271	0.0622
-3.772	-3.474	0.30	0.0932	0.0278
-3.730	-3.554	0.18	0.0612	0.0107
-3.689	-3.650	0.04	0.0303	0.0012
-3.689	-3.689	0.00		
-3.650	-3.689	-0.04		2.8346
-3.554	-3.730	-0.18		
-3.474	-3.772	-0.30		
-3.474	-3.963	-0.49		
-3.219	-4.075	-0.86		
-3.037	-4.220	-1.18		
-2.733	-4.343	-1.61		
-2.303	-4.510	-2.21		
-1.966	-4.510	-2.54		

S.D. 0.691
W 0.934 greater than 0.863, lognormal assumption not rejected

Cohen's Adjustment - Lognormal Distribution

Mean (above detection)	-3.574
S.D. (above detection)	0.691
h	0.4242
gamma	0.4496
lambda	0.7641
Corrected Mean	-4.362
Corrected S.D.	1.136
Mean	0.024
S.D.	0.039
K	2.54
Prediction Limit	0.125

Zinc	i	ln(conc)
0.025		
0.025		
0.025		
0.025		
0.025		
0.025		
0.025		
0.025		
0.025		
0.025		
0.025		
0.025		
0.025		
0.050	1	-2.996
0.061	2	-2.797
0.064	3	-2.749
0.065	4	-2.733
0.071	5	-2.645
0.071	6	-2.645
0.082	7	-2.501
0.0848	8	-2.467
0.086	9	-2.453
0.100	10	-2.303
0.120	11	-2.120
0.140	12	-1.966
0.260	13	-1.347
0.260	14	-1.347

x_i	x_{n-i+1}	$x_{n-i+1}-x_i$	a_{n-i+1}	b_i
0.050	0.260	0.21	0.5251	0.1103
0.061	0.260	0.20	0.3318	0.0660
0.064	0.140	0.08	0.2460	0.0187
0.065	0.120	0.06	0.1802	0.0099
0.071	0.100	0.03	0.1240	0.0036
0.071	0.086	0.02	0.0727	0.0011
0.082	0.0848	0.00	0.0240	0.0001
0.0848	0.082	0.00		
0.086	0.071	-0.02		0.2097
0.100	0.071	-0.03		
0.120	0.065	-0.06		
0.140	0.064	-0.08		
0.260	0.061	-0.20		
0.260	0.050	-0.21		

S.D. 0.069

W 0.718 less than 0.825, normal assumption rejected

y_i	y_{n-i+1}	$y_{n-i+1}-y_i$	a_{n-i+1}	b_i
-2.996	-1.347	1.65	0.5251	0.8657
-2.797	-1.347	1.45	0.3318	0.4810
-2.749	-1.966	0.78	0.2460	0.1926
-2.733	-2.120	0.61	0.1802	0.1105
-2.645	-2.303	0.34	0.1240	0.0425
-2.645	-2.453	0.19	0.0727	0.0139
-2.501	-2.467	0.03	0.0240	0.0008
-2.467	-2.501	-0.03		
-2.453	-2.645	-0.19		1.7070
-2.303	-2.645	-0.34		
-2.120	-2.733	-0.61		
-1.966	-2.749	-0.78		
-1.347	-2.797	-1.45		
-1.347	-2.996	-1.65		

S.D.	0.508
W	0.868 greater than 0.825, lognormal assumption not rejected

Cohen's Adjustment - Lognormal Distribution

Mean (above detection)	-2.362
S.D. (above detection)	0.508
h	0.4815
gamma	0.6431
lambda	0.9633
Corrected Mean	-2.972
Corrected S.D.	0.803
Mean	0.071
S.D.	0.067
K	2.54
Prediction Limit	0.241

Appendix E

Statistical Analysis

Well	Date	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Copper	Cobalt	Lead
MW-10	Oct-99	0.0150	0.0050	0.673	0.001	0.0005	0.040	0.100	0.005	0.005
MW-10	Apr-00	0.0150	0.0050	0.652	0.001	0.0005	0.031	0.100	0.005	0.005
MW-10	Oct-00	0.0150	0.018	0.750	0.001	0.0005	0.026	0.100	0.016	0.005
MW-10	Apr-01	0.0150	0.0050	0.790	0.001	0.0005	0.024	0.100	0.015	0.011
MW-10	Oct-01	0.0150	0.0050	0.570	0.001	0.0005	0.005	0.100	0.011	0.022
MW-10	Apr-03	0.0150	0.0050	1.30	0.001	0.0005	0.100	0.100	0.042	0.029
MW-10	Oct-03	0.0150	0.0050	0.250	0.001	0.0005	0.005	0.100	0.005	0.005
MW-10	Apr-04	0.0150	0.0050	0.250	0.001	0.0005	0.005	0.100	0.005	0.005
MW-17	Oct-99	0.0150	0.0050	0.250	0.001	0.0005	0.017	0.100	0.005	0.005
MW-17	Apr-00	0.0150	0.0050	0.250	0.001	0.0005	0.025	0.100	0.005	0.005
MW-17	Oct-00	0.0150	0.0050	0.250	0.001	0.0005	0.011	0.100	0.005	0.005
MW-17	Apr-01	0.0150	0.0050	0.250	0.001	0.0005	0.025	0.100	0.005	0.018
MW-17	Oct-01	0.0150	0.0050	0.250	0.001	0.0005	0.031	0.100	0.018	0.020
MW-17	Apr-03	0.0150	0.0050	0.670	0.001	0.0005	0.140	0.100	0.056	0.044
MW-17	Oct-03	0.0150	0.0050	0.250	0.001	0.0005	0.005	0.100	0.011	0.005
MW-17	Apr-04	0.0150	0.0050	0.250	0.001	0.0039	0.065	0.100	0.026	0.024
MW-18	Oct-99	0.0150	0.0050	0.250	0.001	0.0005	0.013	0.100	0.005	0.005
MW-18	Apr-00	0.0150	0.0050	0.250	0.001	0.0005	0.005	0.100	0.022	0.005
MW-18	Oct-00	0.0150	0.0050	0.250	0.001	0.0005	0.005	0.100	0.005	0.005
MW-18	Apr-01	0.0150	0.0050	0.250	0.001	0.0005	0.005	0.100	0.005	0.005
MW-18	Oct-01	0.0150	0.0050	0.250	0.001	0.0005	0.005		0.005	0.014
MW-18	Apr-03	0.0150	0.0050	0.250	0.001	0.0005	0.011	0.100	0.005	0.005
MW-18	Oct-03	0.0150	0.0050	0.250	0.001	0.0005	0.005	0.100	0.005	0.005
MW-18	Apr-04	0.0150	0.0050	0.620	0.001	0.0018	0.048	0.100	0.014	0.016
MW-10	Dec-04	0.0150	0.0050	0.766	0.001	0.0005	0.005	0.100	0.0118	0.005
MW-17	Dec-04	0.0150	0.0050	0.250	0.001	0.0005	0.0286	0.100	0.0133	0.0122
MW-18	Dec-04	0.0150	0.0050	0.250	0.001	0.0005	0.0190	0.100	0.005	0.005
MW-10	Apr-05	0.0150	0.0050	0.250	0.001	0.0005	0.005	0.100	0.005	0.005
MW-17	Apr-05	0.0150	0.0050	0.250	0.001	0.0005	0.0230	0.100	0.0125	0.005
MW-18	Apr-05	0.0150	0.0050	0.250	0.001	0.0005	0.0147	0.100	0.005	0.005
MW-10	Oct-05	0.0150	0.0050	0.250	0.001	0.0005	0.005	0.100	0.005	0.005
MW-17	Oct-05	0.0150	0.0050	0.250	0.001	0.0005	0.005	0.100	0.005	0.005
MW-18	Oct-05	0.0150	0.0050	0.250	0.001	0.0005	0.005	0.100	0.005	0.005
	PQL	0.030	0.010	0.500	0.002	0.001	0.010	0.200	0.010	0.010
	# Obs.	33	33	33	33	33	33	32	33	33
	# NDs	33	32	24	33	31	14	32	20	23
	% NDs	100%	97%	73%	100%	94%	42%	100%	61%	70%
	Method	Nonparametric	Nonparametric	Nonparametric	Nonparametric	Nonparametric	Adjustment	Nonparametric	Nonparametric	Nonparametric
	Limit	0.030	0:018	1.30	0.002	0.0039	0.125	0.200	0.056	0.044