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Municipal Solid Waste Landfill

Macon County, North Carolina
Permit No. 57-03

Water Quality Monitoring Program
2nd Semi-Annual 2006 Report

January 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,

1-30-07

Michael P. Hofe, PE (NC #028029)
Manager
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NORTH CAROLINA PROFESSIONAL SEAL 028029 ENGINEER MICHAEL P. HOFE 1-30-07

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1.0 EXECUTIVE SUMMARY

REI Consultants, Inc. (REIC) has prepared the 2nd Semi-Annual Water Quality Monitoring Report for 2006 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 18 and 19, 2006. 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
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, benzene, 1,4-dichlorobenzene, and vinyl chloride were detected above North Carolina groundwater quality standards. Statistical analysis of analytical results for metals yielded no elevations with the exception of beryllium and cobalt in well MW-22. The following metals were detected above North Carolina groundwater standards: chromium in well MW-22,

and lead in wells MW-15, MW-19, and MW-22. However, background levels of both chromium and lead have been greater than the respective standards as well. In addition, suspended solids were very high in the samples from wells MW-15, MW-19, and MW-22, which contributed to the metals elevations in these wells.

Static groundwater elevations were measured in each monitoring well prior to sampling. These measurements were converted to groundwater elevations, which were used to develop generalized potentiometric contours in the vicinity of the MSW Landfill. From this data, groundwater appears to be flowing to the west, northwest, and north in the vicinity of the waste areas. An average groundwater flow rate across the landfill has been estimated at 12 feet/year.

2.0 INTRODUCTION

REI Consultants, Inc. (REIC) has prepared the 2nd Semi-Annual Water Quality Monitoring Report for 2006 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 2006 monitoring event, field sampling was performed on October 18 and 19, 2006. 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 12 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, 1,4-dichlorobenzene, 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 wells MW-15, MW-19, and MW-22. Chromium was detected above the North Carolina groundwater standard in well MW-22. Note that suspended solids were high in the samples from wells MW-15, MW-19, and MW-22, which contributed to the elevated metals levels. In addition, background levels of both chromium and lead have been greater than the respective groundwater standards. 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 2006 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
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 elevations of beryllium and cobalt in well MW-22. Statistical data is included in Appendix D.

6.0 CONCLUSIONS AND RECOMMENDATIONS

- The 2nd semi-annual 2006 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 12 feet/year.

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

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

- Beryllium and cobalt were statistically elevated in well MW-22.

- Lead was detected at concentrations greater than the North Carolina groundwater standard in wells MW-15, MW-19, and MW-22. Chromium was detected above the North Carolina groundwater standard in well MW-22. However, background levels of both chromium and lead have been greater than the respective groundwater standards.

- Suspended solids levels were very high in samples from wells MW-15, MW-19, and MW-22, contributing to metals elevations in these samples.

7.0 Figure

Appendix A

Groundwater Flow Rate

Flow Path

X	Y	Distance (ft)
3279.9	-23.0	
3231.3	-69.6	67.3
3181.6	-125.3	74.6
3122.9	-195.1	91.2
3054.0	-282.2	111.1
2990.2	-363.3	103.2
2964.9	-398.7	43.5
2936.6	-441.2	51.1
2903.1	-497.9	65.9
2880.9	-531.4	40.2
2827.2	-601.2	88.1
2756.3	-689.4	113.2
2718.8	-728.9	54.5

Horizontal Distance	903.7	ft
Vertical Difference	60	ft

Hydraulic gradient, I	0.066 ft/ft
K	4.9E-05 cm/sec
n_{eff}	0.27
$V = KI/n_{eff}$	12 ft/yr

Appendix B

Field Sample Logs

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name: MSW Landfill **Project :** 2nd Semi 2006 **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: 10-19-06 1110 **Weather Conditions:** Light Rain 60°F

Static Depth (Depth to Water)	6.51	(Ft)	Volume	14.23 (Liters)
Well Depth	31.10	(Ft)	3 Volumes	42.71 (Liters)
Water Column Height	24.59	(Ft)	Volume Purged	43 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1115	5.80	154.7	18.1	14.04	1
1116	5.48	156.3	17.3	3.62	8
1118	5.40	159.2	16.2	3.29	16
1120	5.38	161.3	15.8	8.02	24
1122	5.34	159.5	15.6	4.22	32
1124	5.34	160.4	15.4	3.36	40
1125		Finished Purging			43

SAMPLING DATA

Date: 10-19-06 **Time:** 1127

Method: Teflon Bailer **Sampling Depth:** 6.53'

pH: 5.30 **Conductivity:** 160.2 (umhos/cm)

Temperature: 15.9 (°C) **Turbidity:** 3.89 (NTU)

Odor and Physical Appearance of Sample: Clear, no odor

Comments:

Sampled By: R. Farley / A. McBride

Sampler's Signature: R. Farley **Date:** 10-19-06

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REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name: MSW Landfill **Project :** 2nd Semi 2006 **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: 10-19-06 1112 **Weather Conditions:** Light Rain 60°F

Static Depth (Depth to Water)	6.49	(Ft)	Volume	6.34 (Liters)
Well Depth	17.45	(Ft)	3 Volumes	19.03 (Liters)
Water Column Height	10.96	(Ft)	Volume Purged	19 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1134	5.33	143.8	17.5	3.48	1
1135	5.29	145.0	17.8	11.64	3
1136	5.35	145.3	17.5	9.45	6
1137	5.32	143.4	17.0	13.69	9
1138	5.37	144.5	16.8	14.80	12
1139	5.35	142.7	16.6	13.07	15
1140		Finished Purging			19

SAMPLING DATA

Date: 10-19-06 **Time:** 1142

Method: Teflon Bailer **Sampling Depth:** 6.52'

pH: 5.26 **Conductivity:** 143.5 (umhos/cm)

Temperature: 16.7 (°C) **Turbidity:** 10.87 (NTU)

Odor and Physical Appearance of Sample: Clear, no odor

Comments:

Sampled By: R. Farley / A. McBride

Sampler's Signature: R Farley **Date:** 10-19-06

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REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name: MSW Landfill **Project :** 2nd Semi 2006 **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: 10-19-06 1030 **Weather Conditions:** Light Rain 60°F

Static Depth (Depth to Water)	12.90	(Ft)	Volume	4.19 (Liters)
Well Depth	20.15	(Ft)	3 Volumes	12.59 (Liters)
Water Column Height	7.25	(Ft)	Volume Purged	12 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1034	5.96	387	17.3	6.92	1
1036	5.85	530	16.9	>200	3
1037	5.98	550	16.5	>200	6
1039	5.97	590	16.4	>200	9
1041	6.11	559	16.4	>200	11
1041		Purged Dry			12

SAMPLING DATA

Date: 10-19-06 **Time:** 1105

Method: Teflon Bailer **Sampling Depth:** 13.93'

pH: 5.89 **Conductivity:** 509 (umhos/cm)

Temperature: 16.9 (°C) **Turbidity:** 80.7 (NTU)

Odor and Physical Appearance of Sample: Cloudy, no odor

Comments:

Sampled By: R. Farley/A. McBride

Sampler's Signature: R Farley **Date:** 10-19-06

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name: MSW Landfill **Project :** 2nd Semi 2006 **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: 10-18-06 1627 **Weather Conditions:** Sunny 75°F

Static Depth (Depth to Water)	60.51	(Ft)	Volume	4.11 (Liters)
Well Depth	67.62	(Ft)	3 Volumes	12.35 (Liters)
Water Column Height	7.11	(Ft)	Volume Purged	13 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1630	5.48	25.3	19.7	4.08	1
1632	5.33	26.7	17.7	5.56	3
1634	5.31	27.5	16.7	3.96	5
1636	5.31	28.2	16.5	6.97	7
1638	5.29	29.1	16.2	11.57	9
1640	5.28	28.6	16.4	5.07	11
1642		Finished Purging			13

SAMPLING DATA

Date: 10-18-06 **Time:** 1645

Method: Teflon Bailer **Sampling Depth:** 60.52'

pH: 5.34 **Conductivity:** 22.5 (umhos/cm)

Temperature: 16.6 (°C) **Turbidity:** 4.23 (NTU)

Odor and Physical Appearance of Sample: Clear, no odor

Comments:

Sampled By: R. Farley/A. McBride

Sampler's Signature: R Farley **Date:** 10-18-06

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REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name: MSW Landfill **Project :** 2nd Semi 2006 **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: 10-18-06 1620 **Weather Conditions:** Sunny 75°F

Static Depth (Depth to Water)	54.97	(Ft)	Volume	0.13 (Liters)
Well Depth	55.20	(Ft)	3 Volumes	0.39 (Liters)
Water Column Height	0.23	(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: R. Farley/A. McBride

Sampler's Signature: R. Farley **Date:** 10-18-06

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REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name: MSW Landfill **Project :** 2nd Semi 2006 **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: 10-18-06 1402 **Weather Conditions:** Sunny 70°F

Static Depth (Depth to Water)	57.32	(Ft)	Volume	5.95 (Liters)
Well Depth	67.60	(Ft)	3 Volumes	17.85 (Liters)
Water Column Height	10.28	(Ft)	Volume Purged	8 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1407	5.46	112.9	19.0	>200	1
1410	5.29	118.1	16.5	>200	4
1412	5.49	128.0	15.6	>200	8
1412		Purged Dry			8

SAMPLING DATA

Date: 10-18-06 **Time:** 1430

Method: Teflon Bailer **Sampling Depth:** 60.17'

pH: 5.48 **Conductivity:** 112.3 (umhos/cm)

Temperature: 17.2 (°C) **Turbidity:** >200 (NTU)

Odor and Physical Appearance of Sample: Cloudy, no odor

Comments:

Sampled By: R. Farley/A. McBride

Sampler's Signature: R Farley **Date:** 10-18-06

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REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name: MSW Landfill **Project :** 2nd Semi 2006 **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: 10-18-06 1710 **Weather Conditions:** Sunny 75°F

Static Depth (Depth to Water)	35.15	(Ft)	Volume	4.29 (Liters)
Well Depth	42.57	(Ft)	3 Volumes	12.88 (Liters)
Water Column Height	7.42	(Ft)	Volume Purged	5 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1720	5.32	11.58	17.8	>200	1
1721	5.15	12.43	15.3	>200	3
1732		Purged Dry			5

SAMPLING DATA

Date: 10-18-06 **Time:** 1738

Method: Teflon Bailer **Sampling Depth:** 39.10'

pH: 5.13 **Conductivity:** 15.67 (umhos/cm)

Temperature: 15.6 (°C) **Turbidity:** >200 (NTU)

Odor and Physical Appearance of Sample: Muddy, no odor

Comments:

Sampled By: R. Farley/A. McBride

Sampler's Signature: R Farley **Date:** 10-18-06

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REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name: MSW Landfill **Project :** 2nd Semi 2006 **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: 10-18-06 1800 **Weather Conditions:** Sunny 70oF

Static Depth (Depth to Water)	13.23	(Ft)	Volume	2.74 (Liters)
Well Depth	17.97	(Ft)	3 Volumes	8.23 (Liters)
Water Column Height	4.74	(Ft)	Volume Purged	9 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1810	5.05	21.7	16.9	>200	1
1811	4.69	33.7	16.0	>200	2
1812	4.69	34.4	15.8	>200	3
1813	4.54	46.4	15.7	>200	5
1814	4.51	48.2	15.6	>200	7
1815	4.45	53.0	15.5	>200	9
1815		Finished Purging			9

SAMPLING DATA

Date: 10-18-06 **Time:** 1820

Method: Teflon Bailer **Sampling Depth:** 13.88'

pH: 4.47 **Conductivity:** 56.0 (umhos/cm)

Temperature: 15.6 (°C) **Turbidity:** >200 (NTU)

Odor and Physical Appearance of Sample: Muddy, no odor

Comments:

Sampled By: R. Farley / A. McBride

Sampler's Signature: R Farley **Date:** 10-18-06

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REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name: MSW Landfill **Project :** 2nd Semi 2006 **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: 10-18-06 1535 **Weather Conditions:** Sunny 75°F

Static Depth (Depth to Water)	68.93	(Ft)	Volume	8.32 (Liters)
Well Depth	83.30	(Ft)	3 Volumes	24.96 (Liters)
Water Column Height	14.37	(Ft)	Volume Purged	25 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1539	5.22	73.3	19.5	24.9	1
1541	4.85	80.3	16.2	>200	5
1544	4.74	74.9	15.6	>200	10
1547	4.76	70.1	15.8	>200	15
1550	4.75	62.7	15.5	>200	20
1553	4.73	56.0	15.2	>200	25
1553		Finished Purging			25

SAMPLING DATA

Date: 10-18-06 **Time:** 1600

Method: Teflon Bailer **Sampling Depth:** 72.35'

pH: 4.87 **Conductivity:** 56.1 (umhos/cm)

Temperature: 17.7 (°C) **Turbidity:** >200 (NTU)

Odor and Physical Appearance of Sample: Cloudy, no odor

Comments:

Sampled By: R. Farley/A. McBride

Sampler's Signature: R Farley **Date:** 10-18-06

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REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name: MSW Landfill **Project :** 2nd Semi 2006 **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: 10-18-06 1435 **Weather Conditions:** Sunny 70oF

Static Depth (Depth to Water)	51.86	(Ft)	Volume	5.91 (Liters)
Well Depth	62.08	(Ft)	3 Volumes	17.75 (Liters)
Water Column Height	10.22	(Ft)	Volume Purged	18 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1444	5.92	67.9	18.1	8.08	1
1446	5.93	68.3	16.3	>200	4
1448	5.95	64.3	15.6	>200	8
1451	5.92	63.1	15.5	>200	12
1453	5.91	62.3	15.1	>200	16
1454		Finished Purging			18

SAMPLING DATA

Date: 10-18-06 **Time:** 1510

Method: Teflon Bailer **Sampling Depth:** 54.36'

pH: 6.25/Dupe 6.29 **Conductivity:** 61.6/Dupe 62.1 **(umhos/cm)**

Temperature: 16.5/Dupe 16.6 (°C) **Turbidity:**>200/Dupe >200 **(NTU)**

Odor and Physical Appearance of Sample: Cloudy, no odor

Comments:

Sampled By: R. Farley/A. McBride

Sampler's Signature: R Farley **Date:** 10-18-06

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name: MSW Landfill **Project :** 2nd Semi 2006 **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: 10-18-06 1244 **Weather Conditions:** Sunny 70°F

Static Depth (Depth to Water)	20.15	(Ft)	Volume	3.27 (Liters)
Well Depth	25.80	(Ft)	3 Volumes	9.81 (Liters)
Water Column Height	5.65	(Ft)	Volume Purged	10 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1318	5.56	38.4	17.6	>200	1
1319	5.57	39.1	16.8	>200	3
1320	4.83	38.6	16.3	>200	5
1322	5.25	39.0	16.3	>200	7
1323	5.17	37.7	16.0	>200	9
1324		Finished Purging			10

SAMPLING DATA

Date: 10-18-06 **Time:** 1335

Method: Teflon Bailer **Sampling Depth:** 20.20'

pH: 5.10 **Conductivity:** 37.8 (umhos/cm)

Temperature: 16.1 (°C) **Turbidity:** >200 (NTU)

Odor and Physical Appearance of Sample: Muddy, no odor

Comments:

Sampled By: R. Farley/A. McBride

Sampler's Signature: R Farley **Date:** 10-18-06

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REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name: MSW Landfill **Project :** 2nd Semi 2006 **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: 10-18-06 1247 **Weather Conditions:** Sunny 70°F

Static Depth (Depth to Water)	19.53	(Ft)	Volume	21.74 (Liters)
Well Depth	57.09	(Ft)	3 Volumes	65.24 (Liters)
Water Column Height	37.56	(Ft)	Volume Purged	26 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1256	7.32	62.0	19.0	2.65	1
1300	6.92	60.0	16.7	7.63	12
1305	6.74	60.2	15.8	18.81	24
1307		Purged Dry			26

SAMPLING DATA

Date: 10-19-06 **Time:** 0742

Method: Teflon Bailer **Sampling Depth:** 34.57'

pH: 7.19 **Conductivity:** 50.7 (umhos/cm)

Temperature: 15.4 (°C) **Turbidity:** 2.90 (NTU)

Odor and Physical Appearance of Sample: Clear - no odor

Comments:

Sampled By: R. Farley/A. McBride

Sampler's Signature: R. Farley **Date:** 10-19-06

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name: MSW Landfill **Project :** 2nd Semi 2006 **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: 10-19-06 1247 **Weather Conditions:** Cloudy 60°F

Static Depth (Depth to Water)	11.49	(Ft)	Volume	6.68 (Liters)
Well Depth	23.03	(Ft)	3 Volumes	20.04 (Liters)
Water Column Height	11.54	(Ft)	Volume Purged	20 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1250	5.55	52.9	19.3	18.09	1
1251	5.01	41.5	18.1	91.8	4
1252	4.81	41.8	17.6	92.9	8
1253	4.69	42.9	17.2	87.0	12
1254	4.63	43.8	17.0	64.2	16
1255	4.63	43.6	17.0	66.7	20
1255		Finished Purging			20

SAMPLING DATA

Date: 10-19-06 **Time:** 1300

Method: Teflon Bailer **Sampling Depth:** 11.70'

pH: 4.57 **Conductivity:** 44.8 (umhos/cm)

Temperature: 17.0 (°C) **Turbidity:** 22.5 (NTU)

Odor and Physical Appearance of Sample: Cloudy, no odor

Comments:

Sampled By: R. Farley/A. McBride

Sampler's Signature: R Farley **Date:** 10-19-06

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REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name: MSW Landfill **Project :** 2nd Semi 2006 **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: 10-19-06 1335 **Weather Conditions:** Cloudy 70°F

Static Depth (Depth to Water)	14.49	(Ft)	Volume	7.20 (Liters)
Well Depth	26.93	(Ft)	3 Volumes	21.60 (Liters)
Water Column Height	12.44	(Ft)	Volume Purged	22 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1340	5.29	45.4	18.7	8.09	1
1341	5.26	48.1	17.4	24.9	4
1343	5.21	47.3	16.6	43.0	8
1345	5.18	46.2	16.3	71.9	12
1347	5.18	46.2	16.3	53.0	16
1349	5.18	46.3	16.2	48.2	20
1350		Finished Purging			22

SAMPLING DATA

Date: 10-19-06 **Time:** 1355

Method: Teflon Bailer **Sampling Depth:** 15.85'

pH: 5.17/Dupe 5.17 **Conductivity:** 46.8/Dupe 46.5 (umhos/cm)

Temperature: 16.2/Dupe 16.3 (°C) **Turbidity:** 44.8/Dupe 44.0 (NTU)

Odor and Physical Appearance of Sample: Cloudy, no odor

Comments:

Sampled By: R. Farley/A. McBride

Sampler's Signature: R. Farley **Date:** 10-19-06

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REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name: MSW Landfill **Project :** 2nd Semi 2006 **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: 10-19-06 1148 **Weather Conditions:** Light Rain 60°F

Static Depth (Depth to Water)	16.90	(Ft)	Volume	4.74 (Liters)
Well Depth	25.10	(Ft)	3 Volumes	14.24 (Liters)
Water Column Height	8.20	(Ft)	Volume Purged	15 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1212	6.02	99.0	16.5	61.2	1
1213	5.96	97.1	16.3	>200	3
1214	5.77	108.1	15.7	>200	6
1216	5.70	115.7	15.3	>200	9
1218	5.53	112.8	15.3	>200	12
1220	5.50	115.2	15.3	>200	15
1220		Finished Purging			15

SAMPLING DATA

Date: 10-19-06 **Time:** 1225

Method: Teflon Bailer **Sampling Depth:** 16.36'

pH: 5.49 **Conductivity:** 117.9 (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

Sampler's Signature: R Farley **Date:** 10-19-06

REI CONSULTANTS GROUNDWATER SAMPLING LOG

Project Name: MSW Landfill **Project :** 2nd Semi 2006 **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: 10-19-06 1151 **Weather Conditions:** Light Rain 60°F

Static Depth (Depth to Water)	12.84	(Ft)	Volume	17.05 (Liters)
Well Depth	42.30	(Ft)	3 Volumes	51.17 (Liters)
Water Column Height	29.46	(Ft)	Volume Purged	35 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
1155	6.26	383	19.2	3.49	1
1159	6.65	403	15.8	32.8	8
1201	6.79	402	15.1	56.6	16
1205	6.92	325	14.8	69.1	23
1208	6.98	298	14.9	83.3	32
1209		Purged Dry			35

SAMPLING DATA

Date: 10-19-06 **Time:** 1234

Method: Teflon Bailer **Sampling Depth:** 28.76'

pH: 6.42 **Conductivity:** 280 (umhos/cm)

Temperature: 15.9 (°C) **Turbidity:** 32.2 (NTU)

Odor and Physical Appearance of Sample: Cloudy, no odor

Comments:

Sampled By: R. Farley/A. McBride

Sampler's Signature: R Farley **Date:** 10-19-06

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Surface Water Sampling Log

REI Consultants, Inc.

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

Outlet:	SW-3			
Date:	10-18-06	Time:	1845	
pH:	7.08	Conductivity:	62.1	*umhos/cm*
Flow:	NA	Temperature:	19.1	^{o}C
Sampled Odor and Physical Appearance:		Clear, no odor		
Comments:	Turbidity 13.69	NTU		

Outlet:	SW-1			
Date:	10-19-06	Time:	1100	
pH:	6.72	Conductivity:	63.6	*umhos/cm*
Flow:	NA	Temperature:	16.9	^{o}C
Sampled Odor and Physical Appearance:		Clear, no odor		
Comments:	Turbidity 18.30	NTU		

Outlet:	SW-4			
Date:	10-19-06	Time:	0805	
pH:	7.24	Conductivity:	62.0	*umhos/cm*
Flow:	NA	Temperature:	16.1	^{o}C
Sampled Odor and Physical Appearance:		Clear, no odor		
Comments:	Turbidity 10.74	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:	10-18-06	Time:	1350
pH:	5.89	Conductivity:	38.3 *umhos/cm*
Flow:	NA	Temperature:	20.6 ^{o}C
Sampled Odor and Physical Appearance:	Clear, no odor		
Comments:	Turbidity 20.8 NTU		

Outlet:	Leachate		
Date:	10-19-06	Time:	1420
pH:	8.21	Conductivity:	6110 *umhos/cm*
Flow:	NA	Temperature:	17.8 ^{o}C
Sampled Odor and Physical Appearance:	Light Brown, slight odor		
Comments:	Turbidity 52.0 NTU		

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

Appendix C

Laboratory Reports and Chain-of-Custody

REIC

RESEARCH ENVIRONMENTAL & INDUSTRIAL CONSULTANTS, INC.

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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

11/13/2006

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

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

RE: MSW LANDFILL

Order No.: 0610B92

Dear Mr. Chris Stahl:

REI Consultants Inc. received 22 sample(s) on 10/20/2006 for the analyses presented in the following report.

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

Sincerely,

Beth Johnson

Beth Johnson
Project Coordinator

REI Consultants Inc.

Date: *13-Nov-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAGE	**WorkOrder:**	0610B92
Client Sample ID:	MW-1A	**Lab ID:**	0610B92-01A
Project:	MSW LANDFILL	**Collection Date:**	10/19/2006
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**		**/SW3020A**	Analyst: **BP**
Antimony	ND	mg/L		NA	0.0300	11/5/2006 7:35:23 PM
Arsenic	ND	mg/L		NA	0.0100	11/5/2006 7:35:23 PM
Barium	ND	mg/L		NA	0.500	11/5/2006 7:35:23 PM
Beryllium	ND	mg/L		NA	0.0020	11/5/2006 7:35:23 PM
Cadmium	ND	mg/L		NA	0.0010	11/5/2006 7:35:23 PM
Chromium	ND	mg/L		NA	0.0100	11/5/2006 7:35:23 PM
Cobalt	ND	mg/L		NA	0.0100	11/5/2006 7:35:23 PM
Copper	ND	mg/L		NA	0.200	11/5/2006 7:35:23 PM
Lead	ND	mg/L		NA	0.0100	11/5/2006 7:35:23 PM
Nickel	ND	mg/L		NA	0.0500	11/5/2006 7:35:23 PM
Selenium	ND	mg/L		NA	0.0200	11/5/2006 7:35:23 PM
Silver	ND	mg/L		NA	0.0100	11/5/2006 7:35:23 PM
Thallium	ND	mg/L		NA	0.0100	11/5/2006 7:35:23 PM
Vanadium	ND	mg/L		NA	0.0400	11/5/2006 7:35:23 PM
Zinc	ND	mg/L		NA	0.0500	11/5/2006 7:35:23 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TC**
Acetone	ND	µg/L		NA	50.0	10/21/2006 12:24:00 PM
Acrylonitrile	ND	µg/L		NA	25.0	10/21/2006 12:24:00 PM
Benzene	2.1	µg/L		NA	1.0	10/21/2006 12:24:00 PM
Bromochloromethane	ND	µg/L		NA	5.0	10/21/2006 12:24:00 PM
Bromodichloromethane	ND	µg/L		NA	1.0	10/21/2006 12:24:00 PM
Bromoform	ND	µg/L		NA	1.0	10/21/2006 12:24:00 PM
Bromomethane	ND	µg/L		NA	5.0	10/21/2006 12:24:00 PM
2-Butanone	ND	µg/L		NA	50.0	10/21/2006 12:24:00 PM
Carbon disulfide	ND	µg/L		NA	25.0	10/21/2006 12:24:00 PM
Carbon tetrachloride	ND	µg/L		NA	1.0	10/21/2006 12:24:00 PM
Chlorobenzene	5.3	µg/L		NA	5.0	10/21/2006 12:24:00 PM
Chloroethane	ND	µg/L		NA	5.0	10/21/2006 12:24:00 PM
Chloroform	ND	µg/L		NA	1.0	10/21/2006 12:24:00 PM
Chloromethane	ND	µg/L		NA	1.0	10/21/2006 12:24:00 PM
Dibromochloromethane	ND	µg/L		NA	5.0	10/21/2006 12:24:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		NA	1.0	10/21/2006 12:24:00 PM
1,2-Dibromoethane	ND	µg/L		NA	1.0	10/21/2006 12:24:00 PM
Dibromomethane	ND	µg/L		NA	5.0	10/21/2006 12:24:00 PM
1,2-Dichlorobenzene	ND	µg/L		NA	5.0	10/21/2006 12:24:00 PM
1,4-Dichlorobenzene	6.5	µg/L		NA	5.0	10/21/2006 12:24:00 PM
trans-1,4-Dichloro-2-butene	ND	µg/L		NA	50.0	10/21/2006 12:24:00 PM
1,1-Dichloroethane	6.4	µg/L		NA	5.0	10/21/2006 12:24:00 PM

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 Compound

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

REI Consultants Inc.

Date: *13-Nov-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAGE	**WorkOrder:**	0610B92
Client Sample ID:	MW-1A	**Lab ID:**	0610B92-01A
Project:	MSW LANDFILL	**Collection Date:**	10/19/2006
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TC**
1,2-Dichloroethane	ND	µg/L		NA	1.0	10/21/2006 12:24:00 PM
1,1-Dichloroethene	ND	µg/L		NA	5.0	10/21/2006 12:24:00 PM
cis-1,2-Dichloroethene	ND	µg/L		NA	5.0	10/21/2006 12:24:00 PM
trans-1,2-Dichloroethene	ND	µg/L		NA	5.0	10/21/2006 12:24:00 PM
1,2-Dichloropropane	ND	µg/L		NA	1.0	10/21/2006 12:24:00 PM
cis-1,3-Dichloropropene	ND	µg/L		NA	1.0	10/21/2006 12:24:00 PM
trans-1,3-Dichloropropene	ND	µg/L		NA	1.0	10/21/2006 12:24:00 PM
Ethylbenzene	ND	µg/L		NA	5.0	10/21/2006 12:24:00 PM
2-Hexanone	ND	µg/L		NA	50.0	10/21/2006 12:24:00 PM
Iodomethane	ND	µg/L		NA	10	10/21/2006 12:24:00 PM
Methylene chloride	ND	µg/L		NA	5.0	10/21/2006 12:24:00 PM
4-Methyl-2-pentanone	ND	µg/L		NA	50.0	10/21/2006 12:24:00 PM
Styrene	ND	µg/L		NA	5.0	10/21/2006 12:24:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		NA	5.0	10/21/2006 12:24:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		NA	5.0	10/21/2006 12:24:00 PM
Tetrachloroethene	ND	µg/L		NA	1.0	10/21/2006 12:24:00 PM
Toluene	ND	µg/L		NA	5.0	10/21/2006 12:24:00 PM
1,1,1-Trichloroethane	ND	µg/L		NA	5.0	10/21/2006 12:24:00 PM
1,1,2-Trichloroethane	ND	µg/L		NA	5.0	10/21/2006 12:24:00 PM
Trichloroethene	ND	µg/L		NA	1.0	10/21/2006 12:24:00 PM
Trichlorofluoromethane	ND	µg/L		NA	5.0	10/21/2006 12:24:00 PM
1,2,3-Trichloropropane	ND	µg/L		NA	1.0	10/21/2006 12:24:00 PM
Vinyl acetate	ND	µg/L		NA	25.0	10/21/2006 12:24:00 PM
Vinyl chloride	2.7	µg/L		NA	1.0	10/21/2006 12:24:00 PM
o-Xylene	ND	µg/L		NA	5.0	10/21/2006 12:24:00 PM
m,p-Xylene	ND	µg/L		NA	5.0	10/21/2006 12:24:00 PM
Surr: 1,2-Dichloroethane-d4	104	%REC		NA	80-120	10/21/2006 12:24:00 PM
Surr: 4-Bromofluorobenzene	99	%REC		NA	86-115	10/21/2006 12:24:00 PM
Surr: Dibromofluoromethane	102	%REC		NA	80-120	10/21/2006 12:24:00 PM
Surr: Toluene-d8	97	%REC		NA	88-110	10/21/2006 12:24:00 PM
TOTAL SUSPENDED SOLIDS			**SM2540 D**			Analyst: **SB**
Total Suspended Solids	13	mg/L		1	10	10/23/2006 10:20:00 AM

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 Compound

Qualifiers:

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

REI Consultants Inc.

Date: *13-Nov-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAGE	**WorkOrder:**	0610B92
Client Sample ID:	MW-1B	**Lab ID:**	0610B92-02A
Project:	MSW LANDFILL	**Collection Date:**	10/19/2006
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**		**/SW3020A**	Analyst: **BP**
Antimony	ND	mg/L		NA	0.0300	11/12/2006 3:47:26 PM
Arsenic	ND	mg/L		NA	0.0100	11/12/2006 3:47:26 PM
Barium	ND	mg/L		NA	0.500	11/12/2006 3:47:26 PM
Beryllium	ND	mg/L		NA	0.0020	11/12/2006 3:47:26 PM
Cadmium	ND	mg/L		NA	0.0010	11/12/2006 3:47:26 PM
Chromium	ND	mg/L		NA	0.0100	11/12/2006 3:47:26 PM
Cobalt	ND	mg/L		NA	0.0100	11/12/2006 3:47:26 PM
Copper	ND	mg/L		NA	0.200	11/12/2006 3:47:26 PM
Lead	ND	mg/L		NA	0.0100	11/12/2006 3:47:26 PM
Nickel	ND	mg/L		NA	0.0500	11/12/2006 3:47:26 PM
Selenium	ND	mg/L		NA	0.0200	11/12/2006 3:47:26 PM
Silver	ND	mg/L		NA	0.0100	11/12/2006 3:47:26 PM
Thallium	ND	mg/L		NA	0.0100	11/12/2006 3:47:26 PM
Vanadium	ND	mg/L		NA	0.0400	11/12/2006 3:47:26 PM
Zinc	ND	mg/L		NA	0.0500	11/12/2006 3:47:26 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TC**
Acetone	ND	µg/L		NA	50.0	10/21/2006 12:58:00 PM
Acrylonitrile	ND	µg/L		NA	25.0	10/21/2006 12:58:00 PM
Benzene	3.0	µg/L		NA	1.0	10/21/2006 12:58:00 PM
Bromochloromethane	ND	µg/L		NA	5.0	10/21/2006 12:58:00 PM
Bromodichloromethane	ND	µg/L		NA	1.0	10/21/2006 12:58:00 PM
Bromoform	ND	µg/L		NA	1.0	10/21/2006 12:58:00 PM
Bromomethane	ND	µg/L		NA	5.0	10/21/2006 12:58:00 PM
2-Butanone	ND	µg/L		NA	50.0	10/21/2006 12:58:00 PM
Carbon disulfide	ND	µg/L		NA	25.0	10/21/2006 12:58:00 PM
Carbon tetrachloride	ND	µg/L		NA	1.0	10/21/2006 12:58:00 PM
Chlorobenzene	5.1	µg/L		NA	5.0	10/21/2006 12:58:00 PM
Chloroethane	ND	µg/L		NA	5.0	10/21/2006 12:58:00 PM
Chloroform	ND	µg/L		NA	1.0	10/21/2006 12:58:00 PM
Chloromethane	ND	µg/L		NA	1.0	10/21/2006 12:58:00 PM
Dibromochloromethane	ND	µg/L		NA	5.0	10/21/2006 12:58:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		NA	1.0	10/21/2006 12:58:00 PM
1,2-Dibromoethane	ND	µg/L		NA	1.0	10/21/2006 12:58:00 PM
Dibromomethane	ND	µg/L		NA	5.0	10/21/2006 12:58:00 PM
1,2-Dichlorobenzene	ND	µg/L		NA	5.0	10/21/2006 12:58:00 PM
1,4-Dichlorobenzene	6.0	µg/L		NA	5.0	10/21/2006 12:58:00 PM
trans-1,4-Dichloro-2-butene	ND	µg/L		NA	50.0	10/21/2006 12:58:00 PM
1,1-Dichloroethane	6.4	µg/L		NA	5.0	10/21/2006 12:58:00 PM

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 Compound

Qualifiers:

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

REI Consultants Inc.

Date: *13-Nov-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAGE	**WorkOrder:**	0610B92
Client Sample ID:	MW-1B	**Lab ID:**	0610B92-02A
Project:	MSW LANDFILL	**Collection Date:**	10/19/2006
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TC**
1,2-Dichloroethane	ND	µg/L		NA	1.0	10/21/2006 12:58:00 PM
1,1-Dichloroethene	ND	µg/L		NA	5.0	10/21/2006 12:58:00 PM
cis-1,2-Dichloroethene	ND	µg/L		NA	5.0	10/21/2006 12:58:00 PM
trans-1,2-Dichloroethene	ND	µg/L		NA	5.0	10/21/2006 12:58:00 PM
1,2-Dichloropropane	ND	µg/L		NA	1.0	10/21/2006 12:58:00 PM
cis-1,3-Dichloropropene	ND	µg/L		NA	1.0	10/21/2006 12:58:00 PM
trans-1,3-Dichloropropene	ND	µg/L		NA	1.0	10/21/2006 12:58:00 PM
Ethylbenzene	ND	µg/L		NA	5.0	10/21/2006 12:58:00 PM
2-Hexanone	ND	µg/L		NA	50.0	10/21/2006 12:58:00 PM
Iodomethane	ND	µg/L		NA	10	10/21/2006 12:58:00 PM
Methylene chloride	ND	µg/L		NA	5.0	10/21/2006 12:58:00 PM
4-Methyl-2-pentanone	ND	µg/L		NA	50.0	10/21/2006 12:58:00 PM
Styrene	ND	µg/L		NA	5.0	10/21/2006 12:58:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		NA	5.0	10/21/2006 12:58:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		NA	5.0	10/21/2006 12:58:00 PM
Tetrachloroethene	ND	µg/L		NA	1.0	10/21/2006 12:58:00 PM
Toluene	ND	µg/L		NA	5.0	10/21/2006 12:58:00 PM
1,1,1-Trichloroethane	ND	µg/L		NA	5.0	10/21/2006 12:58:00 PM
1,1,2-Trichloroethane	ND	µg/L		NA	5.0	10/21/2006 12:58:00 PM
Trichloroethene	ND	µg/L		NA	1.0	10/21/2006 12:58:00 PM
Trichlorofluoromethane	ND	µg/L		NA	5.0	10/21/2006 12:58:00 PM
1,2,3-Trichloropropane	ND	µg/L		NA	1.0	10/21/2006 12:58:00 PM
Vinyl acetate	ND	µg/L		NA	25.0	10/21/2006 12:58:00 PM
Vinyl chloride	3.0	µg/L		NA	1.0	10/21/2006 12:58:00 PM
o-Xylene	ND	µg/L		NA	5.0	10/21/2006 12:58:00 PM
m,p-Xylene	ND	µg/L		NA	5.0	10/21/2006 12:58:00 PM
Surr: 1,2-Dichloroethane-d4	103	%REC		NA	80-120	10/21/2006 12:58:00 PM
Surr: 4-Bromofluorobenzene	102	%REC		NA	86-115	10/21/2006 12:58:00 PM
Surr: Dibromofluoromethane	104	%REC		NA	80-120	10/21/2006 12:58:00 PM
Surr: Toluene-d8	98	%REC		NA	88-110	10/21/2006 12:58:00 PM
TOTAL SUSPENDED SOLIDS			**SM2540 D**			Analyst: **SB**
Total Suspended Solids	13	mg/L		1	10	10/23/2006 10:20:00 AM

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 Compound

Qualifiers:

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

REI Consultants Inc.

Date: *13-Nov-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAGE	**WorkOrder:**	0610B92
Client Sample ID:	MW-2	**Lab ID:**	0610B92-03A
Project:	MSW LANDFILL	**Collection Date:**	10/19/2006
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**		**/SW3020A**	Analyst: **BP**
Antimony	ND	mg/L		NA	0.0300	11/12/2006 3:53:02 PM
Arsenic	ND	mg/L		NA	0.0100	11/12/2006 3:53:02 PM
Barium	ND	mg/L		NA	0.500	11/12/2006 3:53:02 PM
Beryllium	ND	mg/L		NA	0.0020	11/12/2006 3:53:02 PM
Cadmium	ND	mg/L		NA	0.0010	11/12/2006 3:53:02 PM
Chromium	ND	mg/L		NA	0.0100	11/12/2006 3:53:02 PM
Cobalt	0.0237	mg/L		NA	0.0100	11/12/2006 3:53:02 PM
Copper	ND	mg/L		NA	0.200	11/12/2006 3:53:02 PM
Lead	ND	mg/L		NA	0.0100	11/12/2006 3:53:02 PM
Nickel	ND	mg/L		NA	0.0500	11/12/2006 3:53:02 PM
Selenium	ND	mg/L		NA	0.0200	11/12/2006 3:53:02 PM
Silver	ND	mg/L		NA	0.0100	11/12/2006 3:53:02 PM
Thallium	ND	mg/L		NA	0.0100	11/12/2006 3:53:02 PM
Vanadium	ND	mg/L		NA	0.0400	11/12/2006 3:53:02 PM
Zinc	ND	mg/L		NA	0.0500	11/12/2006 3:53:02 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TC**
Acetone	ND	µg/L		NA	50.0	10/21/2006 1:31:00 PM
Acrylonitrile	ND	µg/L		NA	25.0	10/21/2006 1:31:00 PM
Benzene	ND	µg/L		NA	1.0	10/21/2006 1:31:00 PM
Bromochloromethane	ND	µg/L		NA	5.0	10/21/2006 1:31:00 PM
Bromodichloromethane	ND	µg/L		NA	1.0	10/21/2006 1:31:00 PM
Bromoform	ND	µg/L		NA	1.0	10/21/2006 1:31:00 PM
Bromomethane	ND	µg/L		NA	5.0	10/21/2006 1:31:00 PM
2-Butanone	ND	µg/L		NA	50.0	10/21/2006 1:31:00 PM
Carbon disulfide	ND	µg/L		NA	25.0	10/21/2006 1:31:00 PM
Carbon tetrachloride	ND	µg/L		NA	1.0	10/21/2006 1:31:00 PM
Chlorobenzene	ND	µg/L		NA	5.0	10/21/2006 1:31:00 PM
Chloroethane	ND	µg/L		NA	5.0	10/21/2006 1:31:00 PM
Chloroform	ND	µg/L		NA	1.0	10/21/2006 1:31:00 PM
Chloromethane	ND	µg/L		NA	1.0	10/21/2006 1:31:00 PM
Dibromochloromethane	ND	µg/L		NA	5.0	10/21/2006 1:31:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		NA	1.0	10/21/2006 1:31:00 PM
1,2-Dibromoethane	ND	µg/L		NA	1.0	10/21/2006 1:31:00 PM
Dibromomethane	ND	µg/L		NA	5.0	10/21/2006 1:31:00 PM
1,2-Dichlorobenzene	ND	µg/L		NA	5.0	10/21/2006 1:31:00 PM
1,4-Dichlorobenzene	ND	µg/L		NA	5.0	10/21/2006 1:31:00 PM
trans-1,4-Dichloro-2-butene	ND	µg/L		NA	50.0	10/21/2006 1:31:00 PM
1,1-Dichloroethane	ND	µg/L		NA	5.0	10/21/2006 1:31:00 PM

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 Compound

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

REI Consultants Inc.

Date: *13-Nov-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAGE	**WorkOrder:**	0610B92
Client Sample ID:	MW-2	**Lab ID:**	0610B92-03A
Project:	MSW LANDFILL	**Collection Date:**	10/19/2006
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TC**
1,2-Dichloroethane	ND	µg/L		NA	1.0	10/21/2006 1:31:00 PM
1,1-Dichloroethene	ND	µg/L		NA	5.0	10/21/2006 1:31:00 PM
cis-1,2-Dichloroethene	ND	µg/L		NA	5.0	10/21/2006 1:31:00 PM
trans-1,2-Dichloroethene	ND	µg/L		NA	5.0	10/21/2006 1:31:00 PM
1,2-Dichloropropane	ND	µg/L		NA	1.0	10/21/2006 1:31:00 PM
cis-1,3-Dichloropropene	ND	µg/L		NA	1.0	10/21/2006 1:31:00 PM
trans-1,3-Dichloropropene	ND	µg/L		NA	1.0	10/21/2006 1:31:00 PM
Ethylbenzene	ND	µg/L		NA	5.0	10/21/2006 1:31:00 PM
2-Hexanone	ND	µg/L		NA	50.0	10/21/2006 1:31:00 PM
Iodomethane	ND	µg/L		NA	10	10/21/2006 1:31:00 PM
Methylene chloride	ND	µg/L		NA	5.0	10/21/2006 1:31:00 PM
4-Methyl-2-pentanone	ND	µg/L		NA	50.0	10/21/2006 1:31:00 PM
Styrene	ND	µg/L		NA	5.0	10/21/2006 1:31:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		NA	5.0	10/21/2006 1:31:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		NA	5.0	10/21/2006 1:31:00 PM
Tetrachloroethene	ND	µg/L		NA	1.0	10/21/2006 1:31:00 PM
Toluene	ND	µg/L		NA	5.0	10/21/2006 1:31:00 PM
1,1,1-Trichloroethane	ND	µg/L		NA	5.0	10/21/2006 1:31:00 PM
1,1,2-Trichloroethane	ND	µg/L		NA	5.0	10/21/2006 1:31:00 PM
Trichloroethene	ND	µg/L		NA	1.0	10/21/2006 1:31:00 PM
Trichlorofluoromethane	ND	µg/L		NA	5.0	10/21/2006 1:31:00 PM
1,2,3-Trichloropropane	ND	µg/L		NA	1.0	10/21/2006 1:31:00 PM
Vinyl acetate	ND	µg/L		NA	25.0	10/21/2006 1:31:00 PM
Vinyl chloride	ND	µg/L		NA	1.0	10/21/2006 1:31:00 PM
o-Xylene	ND	µg/L		NA	5.0	10/21/2006 1:31:00 PM
m,p-Xylene	ND	µg/L		NA	5.0	10/21/2006 1:31:00 PM
Surr: 1,2-Dichloroethane-d4	103	%REC		NA	80-120	10/21/2006 1:31:00 PM
Surr: 4-Bromofluorobenzene	100	%REC		NA	86-115	10/21/2006 1:31:00 PM
Surr: Dibromofluoromethane	102	%REC		NA	80-120	10/21/2006 1:31:00 PM
Surr: Toluene-d8	99	%REC		NA	88-110	10/21/2006 1:31:00 PM
TOTAL SUSPENDED SOLIDS			**SM2540 D**			Analyst: **SB**
Total Suspended Solids	101	mg/L		1	10	10/23/2006 10:20:00 AM

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 Compound

Qualifiers:

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

REI Consultants Inc.

Date: *13-Nov-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAGE	**WorkOrder:**	0610B92
Client Sample ID:	MW-3A	**Lab ID:**	0610B92-04A
Project:	MSW LANDFILL	**Collection Date:**	10/18/2006
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**		**/SW3020A**	Analyst: **BP**
Antimony	ND	mg/L		NA	0.0300	11/12/2006 3:58:38 PM
Arsenic	ND	mg/L		NA	0.0100	11/12/2006 3:58:38 PM
Barium	ND	mg/L		NA	0.500	11/12/2006 3:58:38 PM
Beryllium	ND	mg/L		NA	0.0020	11/12/2006 3:58:38 PM
Cadmium	ND	mg/L		NA	0.0010	11/12/2006 3:58:38 PM
Chromium	ND	mg/L		NA	0.0100	11/12/2006 3:58:38 PM
Cobalt	ND	mg/L		NA	0.0100	11/12/2006 3:58:38 PM
Copper	ND	mg/L		NA	0.200	11/12/2006 3:58:38 PM
Lead	ND	mg/L		NA	0.0100	11/12/2006 3:58:38 PM
Nickel	ND	mg/L		NA	0.0500	11/12/2006 3:58:38 PM
Selenium	ND	mg/L		NA	0.0200	11/12/2006 3:58:38 PM
Silver	ND	mg/L		NA	0.0100	11/12/2006 3:58:38 PM
Thallium	ND	mg/L		NA	0.0100	11/12/2006 3:58:38 PM
Vanadium	ND	mg/L		NA	0.0400	11/12/2006 3:58:38 PM
Zinc	ND	mg/L		NA	0.0500	11/12/2006 3:58:38 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TC**
Acetone	ND	µg/L		NA	50.0	10/21/2006 2:05:00 PM
Acrylonitrile	ND	µg/L		NA	25.0	10/21/2006 2:05:00 PM
Benzene	ND	µg/L		NA	1.0	10/21/2006 2:05:00 PM
Bromochloromethane	ND	µg/L		NA	5.0	10/21/2006 2:05:00 PM
Bromodichloromethane	ND	µg/L		NA	1.0	10/21/2006 2:05:00 PM
Bromoform	ND	µg/L		NA	1.0	10/21/2006 2:05:00 PM
Bromomethane	ND	µg/L		NA	5.0	10/21/2006 2:05:00 PM
2-Butanone	ND	µg/L		NA	50.0	10/21/2006 2:05:00 PM
Carbon disulfide	ND	µg/L		NA	25.0	10/21/2006 2:05:00 PM
Carbon tetrachloride	ND	µg/L		NA	1.0	10/21/2006 2:05:00 PM
Chlorobenzene	ND	µg/L		NA	5.0	10/21/2006 2:05:00 PM
Chloroethane	ND	µg/L		NA	5.0	10/21/2006 2:05:00 PM
Chloroform	ND	µg/L		NA	1.0	10/21/2006 2:05:00 PM
Chloromethane	ND	µg/L		NA	1.0	10/21/2006 2:05:00 PM
Dibromochloromethane	ND	µg/L		NA	5.0	10/21/2006 2:05:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		NA	1.0	10/21/2006 2:05:00 PM
1,2-Dibromoethane	ND	µg/L		NA	1.0	10/21/2006 2:05:00 PM
Dibromomethane	ND	µg/L		NA	5.0	10/21/2006 2:05:00 PM
1,2-Dichlorobenzene	ND	µg/L		NA	5.0	10/21/2006 2:05:00 PM
1,4-Dichlorobenzene	ND	µg/L		NA	5.0	10/21/2006 2:05:00 PM
trans-1,4-Dichloro-2-butene	ND	µg/L		NA	50.0	10/21/2006 2:05:00 PM
1,1-Dichloroethane	ND	µg/L		NA	5.0	10/21/2006 2:05:00 PM

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 Compound

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

REI Consultants Inc.

Date: *13-Nov-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAGE	**WorkOrder:**	0610B92
Client Sample ID:	MW-3A	**Lab ID:**	0610B92-04A
Project:	MSW LANDFILL	**Collection Date:**	10/18/2006
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TC**
1,2-Dichloroethane	ND	µg/L		NA	1.0	10/21/2006 2:05:00 PM
1,1-Dichloroethene	ND	µg/L		NA	5.0	10/21/2006 2:05:00 PM
cis-1,2-Dichloroethene	ND	µg/L		NA	5.0	10/21/2006 2:05:00 PM
trans-1,2-Dichloroethene	ND	µg/L		NA	5.0	10/21/2006 2:05:00 PM
1,2-Dichloropropane	ND	µg/L		NA	1.0	10/21/2006 2:05:00 PM
cis-1,3-Dichloropropene	ND	µg/L		NA	1.0	10/21/2006 2:05:00 PM
trans-1,3-Dichloropropene	ND	µg/L		NA	1.0	10/21/2006 2:05:00 PM
Ethylbenzene	ND	µg/L		NA	5.0	10/21/2006 2:05:00 PM
2-Hexanone	ND	µg/L		NA	50.0	10/21/2006 2:05:00 PM
Iodomethane	ND	µg/L		NA	10	10/21/2006 2:05:00 PM
Methylene chloride	ND	µg/L		NA	5.0	10/21/2006 2:05:00 PM
4-Methyl-2-pentanone	ND	µg/L		NA	50.0	10/21/2006 2:05:00 PM
Styrene	ND	µg/L		NA	5.0	10/21/2006 2:05:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		NA	5.0	10/21/2006 2:05:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		NA	5.0	10/21/2006 2:05:00 PM
Tetrachloroethene	ND	µg/L		NA	1.0	10/21/2006 2:05:00 PM
Toluene	ND	µg/L		NA	5.0	10/21/2006 2:05:00 PM
1,1,1-Trichloroethane	ND	µg/L		NA	5.0	10/21/2006 2:05:00 PM
1,1,2-Trichloroethane	ND	µg/L		NA	5.0	10/21/2006 2:05:00 PM
Trichloroethene	ND	µg/L		NA	1.0	10/21/2006 2:05:00 PM
Trichlorofluoromethane	ND	µg/L		NA	5.0	10/21/2006 2:05:00 PM
1,2,3-Trichloropropane	ND	µg/L		NA	1.0	10/21/2006 2:05:00 PM
Vinyl acetate	ND	µg/L		NA	25.0	10/21/2006 2:05:00 PM
Vinyl chloride	ND	µg/L		NA	1.0	10/21/2006 2:05:00 PM
o-Xylene	ND	µg/L		NA	5.0	10/21/2006 2:05:00 PM
m,p-Xylene	ND	µg/L		NA	5.0	10/21/2006 2:05:00 PM
Surr: 1,2-Dichloroethane-d4	103	%REC		NA	80-120	10/21/2006 2:05:00 PM
Surr: 4-Bromofluorobenzene	101	%REC		NA	86-115	10/21/2006 2:05:00 PM
Surr: Dibromofluoromethane	104	%REC		NA	80-120	10/21/2006 2:05:00 PM
Surr: Toluene-d8	98	%REC		NA	88-110	10/21/2006 2:05:00 PM
TOTAL SUSPENDED SOLIDS			**SM2540 D**			Analyst: **SB**
Total Suspended Solids	2	mg/L	J	1	10	10/23/2006 10:20:00 AM

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 Compound

Qualifiers:

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

REI Consultants Inc.

Date: *13-Nov-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAGE	**WorkOrder:**	0610B92
Client Sample ID:	MW-10	**Lab ID:**	0610B92-05A
Project:	MSW LANDFILL	**Collection Date:**	10/19/2006
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**		**/SW3020A**	Analyst: **BP**
Antimony	ND	mg/L		NA	0.0300	11/12/2006 4:04:14 PM
Arsenic	ND	mg/L		NA	0.0100	11/12/2006 4:04:14 PM
Barium	ND	mg/L		NA	0.500	11/12/2006 4:04:14 PM
Beryllium	ND	mg/L		NA	0.0020	11/12/2006 4:04:14 PM
Cadmium	ND	mg/L		NA	0.0010	11/12/2006 4:04:14 PM
Chromium	ND	mg/L		NA	0.0100	11/12/2006 4:04:14 PM
Cobalt	ND	mg/L		NA	0.0100	11/12/2006 4:04:14 PM
Copper	ND	mg/L		NA	0.200	11/12/2006 4:04:14 PM
Lead	ND	mg/L		NA	0.0100	11/12/2006 4:04:14 PM
Nickel	ND	mg/L		NA	0.0500	11/12/2006 4:04:14 PM
Selenium	ND	mg/L		NA	0.0200	11/12/2006 4:04:14 PM
Silver	ND	mg/L		NA	0.0100	11/12/2006 4:04:14 PM
Thallium	ND	mg/L		NA	0.0100	11/12/2006 4:04:14 PM
Vanadium	ND	mg/L		NA	0.0400	11/12/2006 4:04:14 PM
Zinc	ND	mg/L		NA	0.0500	11/12/2006 4:04:14 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TC**
Acetone	ND	µg/L		NA	50.0	10/21/2006 2:39:00 PM
Acrylonitrile	ND	µg/L		NA	25.0	10/21/2006 2:39:00 PM
Benzene	ND	µg/L		NA	1.0	10/21/2006 2:39:00 PM
Bromochloromethane	ND	µg/L		NA	5.0	10/21/2006 2:39:00 PM
Bromodichloromethane	ND	µg/L		NA	1.0	10/21/2006 2:39:00 PM
Bromoform	ND	µg/L		NA	1.0	10/21/2006 2:39:00 PM
Bromomethane	ND	µg/L		NA	5.0	10/21/2006 2:39:00 PM
2-Butanone	ND	µg/L		NA	50.0	10/21/2006 2:39:00 PM
Carbon disulfide	ND	µg/L		NA	25.0	10/21/2006 2:39:00 PM
Carbon tetrachloride	ND	µg/L		NA	1.0	10/21/2006 2:39:00 PM
Chlorobenzene	ND	µg/L		NA	5.0	10/21/2006 2:39:00 PM
Chloroethane	ND	µg/L		NA	5.0	10/21/2006 2:39:00 PM
Chloroform	ND	µg/L		NA	1.0	10/21/2006 2:39:00 PM
Chloromethane	ND	µg/L		NA	1.0	10/21/2006 2:39:00 PM
Dibromochloromethane	ND	µg/L		NA	5.0	10/21/2006 2:39:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		NA	1.0	10/21/2006 2:39:00 PM
1,2-Dibromoethane	ND	µg/L		NA	1.0	10/21/2006 2:39:00 PM
Dibromomethane	ND	µg/L		NA	5.0	10/21/2006 2:39:00 PM
1,2-Dichlorobenzene	ND	µg/L		NA	5.0	10/21/2006 2:39:00 PM
1,4-Dichlorobenzene	ND	µg/L		NA	5.0	10/21/2006 2:39:00 PM
trans-1,4-Dichloro-2-butene	ND	µg/L		NA	50.0	10/21/2006 2:39:00 PM
1,1-Dichloroethane	ND	µg/L		NA	5.0	10/21/2006 2:39:00 PM

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 Compound

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

REI Consultants Inc.

Date: *13-Nov-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAGE	**WorkOrder:**	0610B92
Client Sample ID:	MW-10	**Lab ID:**	0610B92-05A
Project:	MSW LANDFILL	**Collection Date:**	10/19/2006
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TC**
1,2-Dichloroethane	ND	µg/L		NA	1.0	10/21/2006 2:39:00 PM
1,1-Dichloroethene	ND	µg/L		NA	5.0	10/21/2006 2:39:00 PM
cis-1,2-Dichloroethene	ND	µg/L		NA	5.0	10/21/2006 2:39:00 PM
trans-1,2-Dichloroethene	ND	µg/L		NA	5.0	10/21/2006 2:39:00 PM
1,2-Dichloropropane	ND	µg/L		NA	1.0	10/21/2006 2:39:00 PM
cis-1,3-Dichloropropene	ND	µg/L		NA	1.0	10/21/2006 2:39:00 PM
trans-1,3-Dichloropropene	ND	µg/L		NA	1.0	10/21/2006 2:39:00 PM
Ethylbenzene	ND	µg/L		NA	5.0	10/21/2006 2:39:00 PM
2-Hexanone	ND	µg/L		NA	50.0	10/21/2006 2:39:00 PM
Iodomethane	ND	µg/L		NA	10	10/21/2006 2:39:00 PM
Methylene chloride	ND	µg/L		NA	5.0	10/21/2006 2:39:00 PM
4-Methyl-2-pentanone	ND	µg/L		NA	50.0	10/21/2006 2:39:00 PM
Styrene	ND	µg/L		NA	5.0	10/21/2006 2:39:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		NA	5.0	10/21/2006 2:39:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		NA	5.0	10/21/2006 2:39:00 PM
Tetrachloroethene	ND	µg/L		NA	1.0	10/21/2006 2:39:00 PM
Toluene	ND	µg/L		NA	5.0	10/21/2006 2:39:00 PM
1,1,1-Trichloroethane	ND	µg/L		NA	5.0	10/21/2006 2:39:00 PM
1,1,2-Trichloroethane	ND	µg/L		NA	5.0	10/21/2006 2:39:00 PM
Trichloroethene	ND	µg/L		NA	1.0	10/21/2006 2:39:00 PM
Trichlorofluoromethane	ND	µg/L		NA	5.0	10/21/2006 2:39:00 PM
1,2,3-Trichloropropane	ND	µg/L		NA	1.0	10/21/2006 2:39:00 PM
Vinyl acetate	ND	µg/L		NA	25.0	10/21/2006 2:39:00 PM
Vinyl chloride	ND	µg/L		NA	1.0	10/21/2006 2:39:00 PM
o-Xylene	ND	µg/L		NA	5.0	10/21/2006 2:39:00 PM
m,p-Xylene	ND	µg/L		NA	5.0	10/21/2006 2:39:00 PM
Surr: 1,2-Dichloroethane-d4	104	%REC		NA	80-120	10/21/2006 2:39:00 PM
Surr: 4-Bromofluorobenzene	100	%REC		NA	86-115	10/21/2006 2:39:00 PM
Surr: Dibromofluoromethane	105	%REC		NA	80-120	10/21/2006 2:39:00 PM
Surr: Toluene-d8	97	%REC		NA	88-110	10/21/2006 2:39:00 PM
TOTAL SUSPENDED SOLIDS			**SM2540 D**			Analyst: **SB**
Total Suspended Solids	1270	mg/L		1	10	10/23/2006 10:20:00 AM

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 Compound

Qualifiers:

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

REI Consultants Inc.

Date: *13-Nov-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAGE	**WorkOrder:**	0610B92
Client Sample ID:	MW-14	**Lab ID:**	0610B92-06A
Project:	MSW LANDFILL	**Collection Date:**	10/19/2006
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**		**/SW3020A**	Analyst: **BP**
Antimony	ND	mg/L		NA	0.0300	11/12/2006 4:09:50 PM
Arsenic	ND	mg/L		NA	0.0100	11/12/2006 4:09:50 PM
Barium	ND	mg/L		NA	0.500	11/12/2006 4:09:50 PM
Beryllium	ND	mg/L		NA	0.0020	11/12/2006 4:09:50 PM
Cadmium	ND	mg/L		NA	0.0010	11/12/2006 4:09:50 PM
Chromium	ND	mg/L		NA	0.0100	11/12/2006 4:09:50 PM
Cobalt	ND	mg/L		NA	0.0100	11/12/2006 4:09:50 PM
Copper	ND	mg/L		NA	0.200	11/12/2006 4:09:50 PM
Lead	ND	mg/L		NA	0.0100	11/12/2006 4:09:50 PM
Nickel	ND	mg/L		NA	0.0500	11/12/2006 4:09:50 PM
Selenium	ND	mg/L		NA	0.0200	11/12/2006 4:09:50 PM
Silver	ND	mg/L		NA	0.0100	11/12/2006 4:09:50 PM
Thallium	ND	mg/L		NA	0.0100	11/12/2006 4:09:50 PM
Vanadium	ND	mg/L		NA	0.0400	11/12/2006 4:09:50 PM
Zinc	ND	mg/L		NA	0.0500	11/12/2006 4:09:50 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TC**
Acetone	ND	µg/L		NA	50.0	10/21/2006 3:12:00 PM
Acrylonitrile	ND	µg/L		NA	25.0	10/21/2006 3:12:00 PM
Benzene	ND	µg/L		NA	1.0	10/21/2006 3:12:00 PM
Bromochloromethane	ND	µg/L		NA	5.0	10/21/2006 3:12:00 PM
Bromodichloromethane	ND	µg/L		NA	1.0	10/21/2006 3:12:00 PM
Bromoform	ND	µg/L		NA	1.0	10/21/2006 3:12:00 PM
Bromomethane	ND	µg/L		NA	5.0	10/21/2006 3:12:00 PM
2-Butanone	ND	µg/L		NA	50.0	10/21/2006 3:12:00 PM
Carbon disulfide	ND	µg/L		NA	25.0	10/21/2006 3:12:00 PM
Carbon tetrachloride	ND	µg/L		NA	1.0	10/21/2006 3:12:00 PM
Chlorobenzene	ND	µg/L		NA	5.0	10/21/2006 3:12:00 PM
Chloroethane	ND	µg/L		NA	5.0	10/21/2006 3:12:00 PM
Chloroform	ND	µg/L		NA	1.0	10/21/2006 3:12:00 PM
Chloromethane	ND	µg/L		NA	1.0	10/21/2006 3:12:00 PM
Dibromochloromethane	ND	µg/L		NA	5.0	10/21/2006 3:12:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		NA	1.0	10/21/2006 3:12:00 PM
1,2-Dibromoethane	ND	µg/L		NA	1.0	10/21/2006 3:12:00 PM
Dibromomethane	ND	µg/L		NA	5.0	10/21/2006 3:12:00 PM
1,2-Dichlorobenzene	ND	µg/L		NA	5.0	10/21/2006 3:12:00 PM
1,4-Dichlorobenzene	ND	µg/L		NA	5.0	10/21/2006 3:12:00 PM
trans-1,4-Dichloro-2-butene	ND	µg/L		NA	50.0	10/21/2006 3:12:00 PM
1,1-Dichloroethane	ND	µg/L		NA	5.0	10/21/2006 3:12:00 PM

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 Compound

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

REI Consultants Inc.

Date: *13-Nov-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAGE	**WorkOrder:**	0610B92
Client Sample ID:	MW-14	**Lab ID:**	0610B92-06A
Project:	MSW LANDFILL	**Collection Date:**	10/19/2006
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TC**
1,2-Dichloroethane	ND	µg/L		NA	1.0	10/21/2006 3:12:00 PM
1,1-Dichloroethene	ND	µg/L		NA	5.0	10/21/2006 3:12:00 PM
cis-1,2-Dichloroethene	ND	µg/L		NA	5.0	10/21/2006 3:12:00 PM
trans-1,2-Dichloroethene	ND	µg/L		NA	5.0	10/21/2006 3:12:00 PM
1,2-Dichloropropane	ND	µg/L		NA	1.0	10/21/2006 3:12:00 PM
cis-1,3-Dichloropropene	ND	µg/L		NA	1.0	10/21/2006 3:12:00 PM
trans-1,3-Dichloropropene	ND	µg/L		NA	1.0	10/21/2006 3:12:00 PM
Ethylbenzene	ND	µg/L		NA	5.0	10/21/2006 3:12:00 PM
2-Hexanone	ND	µg/L		NA	50.0	10/21/2006 3:12:00 PM
Iodomethane	ND	µg/L		NA	10	10/21/2006 3:12:00 PM
Methylene chloride	ND	µg/L		NA	5.0	10/21/2006 3:12:00 PM
4-Methyl-2-pentanone	ND	µg/L		NA	50.0	10/21/2006 3:12:00 PM
Styrene	ND	µg/L		NA	5.0	10/21/2006 3:12:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		NA	5.0	10/21/2006 3:12:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		NA	5.0	10/21/2006 3:12:00 PM
Tetrachloroethene	ND	µg/L		NA	1.0	10/21/2006 3:12:00 PM
Toluene	ND	µg/L		NA	5.0	10/21/2006 3:12:00 PM
1,1,1-Trichloroethane	ND	µg/L		NA	5.0	10/21/2006 3:12:00 PM
1,1,2-Trichloroethane	ND	µg/L		NA	5.0	10/21/2006 3:12:00 PM
Trichloroethene	ND	µg/L		NA	1.0	10/21/2006 3:12:00 PM
Trichlorofluoromethane	ND	µg/L		NA	5.0	10/21/2006 3:12:00 PM
1,2,3-Trichloropropane	ND	µg/L		NA	1.0	10/21/2006 3:12:00 PM
Vinyl acetate	ND	µg/L		NA	25.0	10/21/2006 3:12:00 PM
Vinyl chloride	ND	µg/L		NA	1.0	10/21/2006 3:12:00 PM
o-Xylene	ND	µg/L		NA	5.0	10/21/2006 3:12:00 PM
m,p-Xylene	ND	µg/L		NA	5.0	10/21/2006 3:12:00 PM
Surr: 1,2-Dichloroethane-d4	105	%REC		NA	80-120	10/21/2006 3:12:00 PM
Surr: 4-Bromofluorobenzene	101	%REC		NA	86-115	10/21/2006 3:12:00 PM
Surr: Dibromofluoromethane	102	%REC		NA	80-120	10/21/2006 3:12:00 PM
Surr: Toluene-d8	98	%REC		NA	88-110	10/21/2006 3:12:00 PM
TOTAL SUSPENDED SOLIDS			**SM2540 D**			Analyst: **SB**
Total Suspended Solids	321	mg/L		1	10	10/23/2006 10:20:00 AM

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 Compound

Qualifiers:

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

REI Consultants Inc.

Date: *13-Nov-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAGE	**WorkOrder:**	0610B92
Client Sample ID:	MW-15	**Lab ID:**	0610B92-07A
Project:	MSW LANDFILL	**Collection Date:**	10/19/2006
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**		**/SW3020A**	Analyst: **BP**
Antimony	ND	mg/L		NA	0.0300	11/12/2006 4:15:27 PM
Arsenic	ND	mg/L		NA	0.0100	11/12/2006 4:15:27 PM
Barium	0.602	mg/L		NA	0.500	11/12/2006 4:15:27 PM
Beryllium	ND	mg/L		NA	0.0020	11/12/2006 4:15:27 PM
Cadmium	ND	mg/L		NA	0.0010	11/12/2006 4:15:27 PM
Chromium	ND	mg/L		NA	0.0100	11/12/2006 4:15:27 PM
Cobalt	0.0433	mg/L		NA	0.0100	11/12/2006 4:15:27 PM
Copper	ND	mg/L		NA	0.200	11/12/2006 4:15:27 PM
Lead	0.0189	mg/L		NA	0.0100	11/12/2006 4:15:27 PM
Nickel	ND	mg/L		NA	0.0500	11/12/2006 4:15:27 PM
Selenium	ND	mg/L		NA	0.0200	11/12/2006 4:15:27 PM
Silver	ND	mg/L		NA	0.0100	11/12/2006 4:15:27 PM
Thallium	ND	mg/L		NA	0.0100	11/12/2006 4:15:27 PM
Vanadium	ND	mg/L		NA	0.0400	11/12/2006 4:15:27 PM
Zinc	0.0631	mg/L		NA	0.0500	11/12/2006 4:15:27 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TC**
Acetone	ND	µg/L		NA	50.0	10/21/2006 3:46:00 PM
Acrylonitrile	ND	µg/L		NA	25.0	10/21/2006 3:46:00 PM
Benzene	ND	µg/L		NA	1.0	10/21/2006 3:46:00 PM
Bromochloromethane	ND	µg/L		NA	5.0	10/21/2006 3:46:00 PM
Bromodichloromethane	ND	µg/L		NA	1.0	10/21/2006 3:46:00 PM
Bromoform	ND	µg/L		NA	1.0	10/21/2006 3:46:00 PM
Bromomethane	ND	µg/L		NA	5.0	10/21/2006 3:46:00 PM
2-Butanone	ND	µg/L		NA	50.0	10/21/2006 3:46:00 PM
Carbon disulfide	ND	µg/L		NA	25.0	10/21/2006 3:46:00 PM
Carbon tetrachloride	ND	µg/L		NA	1.0	10/21/2006 3:46:00 PM
Chlorobenzene	ND	µg/L		NA	5.0	10/21/2006 3:46:00 PM
Chloroethane	ND	µg/L		NA	5.0	10/21/2006 3:46:00 PM
Chloroform	ND	µg/L		NA	1.0	10/21/2006 3:46:00 PM
Chloromethane	ND	µg/L		NA	1.0	10/21/2006 3:46:00 PM
Dibromochloromethane	ND	µg/L		NA	5.0	10/21/2006 3:46:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		NA	1.0	10/21/2006 3:46:00 PM
1,2-Dibromoethane	ND	µg/L		NA	1.0	10/21/2006 3:46:00 PM
Dibromomethane	ND	µg/L		NA	5.0	10/21/2006 3:46:00 PM
1,2-Dichlorobenzene	ND	µg/L		NA	5.0	10/21/2006 3:46:00 PM
1,4-Dichlorobenzene	ND	µg/L		NA	5.0	10/21/2006 3:46:00 PM
trans-1,4-Dichloro-2-butene	ND	µg/L		NA	50.0	10/21/2006 3:46:00 PM
1,1-Dichloroethane	ND	µg/L		NA	5.0	10/21/2006 3:46:00 PM

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 Compound

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

REI Consultants Inc.

Date: *13-Nov-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAGE	**WorkOrder:**	0610B92
Client Sample ID:	MW-15	**Lab ID:**	0610B92-07A
Project:	MSW LANDFILL	**Collection Date:**	10/19/2006
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TC**
1,2-Dichloroethane	ND	µg/L		NA	1.0	10/21/2006 3:46:00 PM
1,1-Dichloroethene	ND	µg/L		NA	5.0	10/21/2006 3:46:00 PM
cis-1,2-Dichloroethene	ND	µg/L		NA	5.0	10/21/2006 3:46:00 PM
trans-1,2-Dichloroethene	ND	µg/L		NA	5.0	10/21/2006 3:46:00 PM
1,2-Dichloropropane	ND	µg/L		NA	1.0	10/21/2006 3:46:00 PM
cis-1,3-Dichloropropene	ND	µg/L		NA	1.0	10/21/2006 3:46:00 PM
trans-1,3-Dichloropropene	ND	µg/L		NA	1.0	10/21/2006 3:46:00 PM
Ethylbenzene	ND	µg/L		NA	5.0	10/21/2006 3:46:00 PM
2-Hexanone	ND	µg/L		NA	50.0	10/21/2006 3:46:00 PM
Iodomethane	ND	µg/L		NA	10	10/21/2006 3:46:00 PM
Methylene chloride	ND	µg/L		NA	5.0	10/21/2006 3:46:00 PM
4-Methyl-2-pentanone	ND	µg/L		NA	50.0	10/21/2006 3:46:00 PM
Styrene	ND	µg/L		NA	5.0	10/21/2006 3:46:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		NA	5.0	10/21/2006 3:46:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		NA	5.0	10/21/2006 3:46:00 PM
Tetrachloroethene	ND	µg/L		NA	1.0	10/21/2006 3:46:00 PM
Toluene	ND	µg/L		NA	5.0	10/21/2006 3:46:00 PM
1,1,1-Trichloroethane	ND	µg/L		NA	5.0	10/21/2006 3:46:00 PM
1,1,2-Trichloroethane	ND	µg/L		NA	5.0	10/21/2006 3:46:00 PM
Trichloroethene	ND	µg/L		NA	1.0	10/21/2006 3:46:00 PM
Trichlorofluoromethane	ND	µg/L		NA	5.0	10/21/2006 3:46:00 PM
1,2,3-Trichloropropane	ND	µg/L		NA	1.0	10/21/2006 3:46:00 PM
Vinyl acetate	ND	µg/L		NA	25.0	10/21/2006 3:46:00 PM
Vinyl chloride	ND	µg/L		NA	1.0	10/21/2006 3:46:00 PM
o-Xylene	ND	µg/L		NA	5.0	10/21/2006 3:46:00 PM
m,p-Xylene	ND	µg/L		NA	5.0	10/21/2006 3:46:00 PM
Surr: 1,2-Dichloroethane-d4	102	%REC		NA	80-120	10/21/2006 3:46:00 PM
Surr: 4-Bromofluorobenzene	99	%REC		NA	86-115	10/21/2006 3:46:00 PM
Surr: Dibromofluoromethane	103	%REC		NA	80-120	10/21/2006 3:46:00 PM
Surr: Toluene-d8	99	%REC		NA	88-110	10/21/2006 3:46:00 PM
TOTAL SUSPENDED SOLIDS			**SM2540 D**			Analyst: **SB**
Total Suspended Solids	4110	mg/L		1	10	10/23/2006 10:20:00 AM

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 Compound

Qualifiers:

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

REI Consultants Inc.

Date: *13-Nov-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAGE	**WorkOrder:**	0610B92
Client Sample ID:	MW-17	**Lab ID:**	0610B92-08A
Project:	MSW LANDFILL	**Collection Date:**	10/19/2006
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**		**/SW3020A**	Analyst: **BP**
Antimony	ND	mg/L		NA	0.0300	11/12/2006 4:32:12 PM
Arsenic	ND	mg/L		NA	0.0100	11/12/2006 4:32:12 PM
Barium	ND	mg/L		NA	0.500	11/12/2006 4:32:12 PM
Beryllium	ND	mg/L		NA	0.0020	11/12/2006 4:32:12 PM
Cadmium	ND	mg/L		NA	0.0010	11/12/2006 4:32:12 PM
Chromium	0.0103	mg/L		NA	0.0100	11/12/2006 4:32:12 PM
Cobalt	0.0102	mg/L		NA	0.0100	11/12/2006 4:32:12 PM
Copper	ND	mg/L		NA	0.200	11/12/2006 4:32:12 PM
Lead	ND	mg/L		NA	0.0100	11/12/2006 4:32:12 PM
Nickel	ND	mg/L		NA	0.0500	11/12/2006 4:32:12 PM
Selenium	ND	mg/L		NA	0.0200	11/12/2006 4:32:12 PM
Silver	ND	mg/L		NA	0.0100	11/12/2006 4:32:12 PM
Thallium	ND	mg/L		NA	0.0100	11/12/2006 4:32:12 PM
Vanadium	ND	mg/L		NA	0.0400	11/12/2006 4:32:12 PM
Zinc	0.0529	mg/L		NA	0.0500	11/12/2006 4:32:12 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TC**
Acetone	ND	µg/L		NA	50.0	10/21/2006 4:19:00 PM
Acrylonitrile	ND	µg/L		NA	25.0	10/21/2006 4:19:00 PM
Benzene	ND	µg/L		NA	1.0	10/21/2006 4:19:00 PM
Bromochloromethane	ND	µg/L		NA	5.0	10/21/2006 4:19:00 PM
Bromodichloromethane	ND	µg/L		NA	1.0	10/21/2006 4:19:00 PM
Bromoform	ND	µg/L		NA	1.0	10/21/2006 4:19:00 PM
Bromomethane	ND	µg/L		NA	5.0	10/21/2006 4:19:00 PM
2-Butanone	ND	µg/L		NA	50.0	10/21/2006 4:19:00 PM
Carbon disulfide	ND	µg/L		NA	25.0	10/21/2006 4:19:00 PM
Carbon tetrachloride	ND	µg/L		NA	1.0	10/21/2006 4:19:00 PM
Chlorobenzene	ND	µg/L		NA	5.0	10/21/2006 4:19:00 PM
Chloroethane	ND	µg/L		NA	5.0	10/21/2006 4:19:00 PM
Chloroform	ND	µg/L		NA	1.0	10/21/2006 4:19:00 PM
Chloromethane	ND	µg/L		NA	1.0	10/21/2006 4:19:00 PM
Dibromochloromethane	ND	µg/L		NA	5.0	10/21/2006 4:19:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		NA	1.0	10/21/2006 4:19:00 PM
1,2-Dibromoethane	ND	µg/L		NA	1.0	10/21/2006 4:19:00 PM
Dibromomethane	ND	µg/L		NA	5.0	10/21/2006 4:19:00 PM
1,2-Dichlorobenzene	ND	µg/L		NA	5.0	10/21/2006 4:19:00 PM
1,4-Dichlorobenzene	ND	µg/L		NA	5.0	10/21/2006 4:19:00 PM
trans-1,4-Dichloro-2-butene	ND	µg/L		NA	50.0	10/21/2006 4:19:00 PM
1,1-Dichloroethane	ND	µg/L		NA	5.0	10/21/2006 4:19:00 PM

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 Compound

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

REI Consultants Inc.

Date: *13-Nov-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAGE	**WorkOrder:**	0610B92
Client Sample ID:	MW-17	**Lab ID:**	0610B92-08A
Project:	MSW LANDFILL	**Collection Date:**	10/19/2006
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TC**
1,2-Dichloroethane	ND	µg/L		NA	1.0	10/21/2006 4:19:00 PM
1,1-Dichloroethene	ND	µg/L		NA	5.0	10/21/2006 4:19:00 PM
cis-1,2-Dichloroethene	ND	µg/L		NA	5.0	10/21/2006 4:19:00 PM
trans-1,2-Dichloroethene	ND	µg/L		NA	5.0	10/21/2006 4:19:00 PM
1,2-Dichloropropane	ND	µg/L		NA	1.0	10/21/2006 4:19:00 PM
cis-1,3-Dichloropropene	ND	µg/L		NA	1.0	10/21/2006 4:19:00 PM
trans-1,3-Dichloropropene	ND	µg/L		NA	1.0	10/21/2006 4:19:00 PM
Ethylbenzene	ND	µg/L		NA	5.0	10/21/2006 4:19:00 PM
2-Hexanone	ND	µg/L		NA	50.0	10/21/2006 4:19:00 PM
Iodomethane	ND	µg/L		NA	10	10/21/2006 4:19:00 PM
Methylene chloride	ND	µg/L		NA	5.0	10/21/2006 4:19:00 PM
4-Methyl-2-pentanone	ND	µg/L		NA	50.0	10/21/2006 4:19:00 PM
Styrene	ND	µg/L		NA	5.0	10/21/2006 4:19:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		NA	5.0	10/21/2006 4:19:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		NA	5.0	10/21/2006 4:19:00 PM
Tetrachloroethene	ND	µg/L		NA	1.0	10/21/2006 4:19:00 PM
Toluene	ND	µg/L		NA	5.0	10/21/2006 4:19:00 PM
1,1,1-Trichloroethane	ND	µg/L		NA	5.0	10/21/2006 4:19:00 PM
1,1,2-Trichloroethane	ND	µg/L		NA	5.0	10/21/2006 4:19:00 PM
Trichloroethene	ND	µg/L		NA	1.0	10/21/2006 4:19:00 PM
Trichlorofluoromethane	ND	µg/L		NA	5.0	10/21/2006 4:19:00 PM
1,2,3-Trichloropropane	ND	µg/L		NA	1.0	10/21/2006 4:19:00 PM
Vinyl acetate	ND	µg/L		NA	25.0	10/21/2006 4:19:00 PM
Vinyl chloride	ND	µg/L		NA	1.0	10/21/2006 4:19:00 PM
o-Xylene	ND	µg/L		NA	5.0	10/21/2006 4:19:00 PM
m,p-Xylene	ND	µg/L		NA	5.0	10/21/2006 4:19:00 PM
Surr: 1,2-Dichloroethane-d4	104	%REC		NA	80-120	10/21/2006 4:19:00 PM
Surr: 4-Bromofluorobenzene	98	%REC		NA	86-115	10/21/2006 4:19:00 PM
Surr: Dibromofluoromethane	104	%REC		NA	80-120	10/21/2006 4:19:00 PM
Surr: Toluene-d8	99	%REC		NA	88-110	10/21/2006 4:19:00 PM
TOTAL SUSPENDED SOLIDS			**SM2540 D**			Analyst: **SB**
Total Suspended Solids	460	mg/L		1	10	10/23/2006 10:20:00 AM

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 Compound

Qualifiers:

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

REI Consultants Inc.

Date: *13-Nov-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAGE	**WorkOrder:**	0610B92
Client Sample ID:	MW-18	**Lab ID:**	0610B92-09A
Project:	MSW LANDFILL	**Collection Date:**	10/19/2006
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**		**/SW3020A**	Analyst: **BP**
Antimony	ND	mg/L		NA	0.0300	11/12/2006 4:37:46 PM
Arsenic	ND	mg/L		NA	0.0100	11/12/2006 4:37:46 PM
Barium	ND	mg/L		NA	0.500	11/12/2006 4:37:46 PM
Beryllium	ND	mg/L		NA	0.0020	11/12/2006 4:37:46 PM
Cadmium	ND	mg/L		NA	0.0010	11/12/2006 4:37:46 PM
Chromium	0.0139	mg/L		NA	0.0100	11/12/2006 4:37:46 PM
Cobalt	ND	mg/L		NA	0.0100	11/12/2006 4:37:46 PM
Copper	ND	mg/L		NA	0.200	11/12/2006 4:37:46 PM
Lead	ND	mg/L		NA	0.0100	11/12/2006 4:37:46 PM
Nickel	ND	mg/L		NA	0.0500	11/12/2006 4:37:46 PM
Selenium	ND	mg/L		NA	0.0200	11/12/2006 4:37:46 PM
Silver	ND	mg/L		NA	0.0100	11/12/2006 4:37:46 PM
Thallium	ND	mg/L		NA	0.0100	11/12/2006 4:37:46 PM
Vanadium	ND	mg/L		NA	0.0400	11/12/2006 4:37:46 PM
Zinc	0.0681	mg/L		NA	0.0500	11/12/2006 4:37:46 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TC**
Acetone	ND	µg/L		NA	50.0	10/21/2006 9:38:00 AM
Acrylonitrile	ND	µg/L		NA	25.0	10/21/2006 9:38:00 AM
Benzene	ND	µg/L		NA	1.0	10/21/2006 9:38:00 AM
Bromochloromethane	ND	µg/L		NA	5.0	10/21/2006 9:38:00 AM
Bromodichloromethane	ND	µg/L		NA	1.0	10/21/2006 9:38:00 AM
Bromoform	ND	µg/L		NA	1.0	10/21/2006 9:38:00 AM
Bromomethane	ND	µg/L		NA	5.0	10/21/2006 9:38:00 AM
2-Butanone	ND	µg/L		NA	50.0	10/21/2006 9:38:00 AM
Carbon disulfide	ND	µg/L		NA	25.0	10/21/2006 9:38:00 AM
Carbon tetrachloride	ND	µg/L		NA	1.0	10/21/2006 9:38:00 AM
Chlorobenzene	ND	µg/L		NA	5.0	10/21/2006 9:38:00 AM
Chloroethane	ND	µg/L		NA	5.0	10/21/2006 9:38:00 AM
Chloroform	ND	µg/L		NA	1.0	10/21/2006 9:38:00 AM
Chloromethane	ND	µg/L		NA	1.0	10/21/2006 9:38:00 AM
Dibromochloromethane	ND	µg/L		NA	5.0	10/21/2006 9:38:00 AM
1,2-Dibromo-3-chloropropane	ND	µg/L		NA	1.0	10/21/2006 9:38:00 AM
1,2-Dibromoethane	ND	µg/L		NA	1.0	10/21/2006 9:38:00 AM
Dibromomethane	ND	µg/L		NA	5.0	10/21/2006 9:38:00 AM
1,2-Dichlorobenzene	ND	µg/L		NA	5.0	10/21/2006 9:38:00 AM
1,4-Dichlorobenzene	ND	µg/L		NA	5.0	10/21/2006 9:38:00 AM
trans-1,4-Dichloro-2-butene	ND	µg/L		NA	50.0	10/21/2006 9:38:00 AM
1,1-Dichloroethane	ND	µg/L		NA	5.0	10/21/2006 9:38:00 AM

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 Compound

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

REI Consultants Inc.

Date: *13-Nov-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAGE	**WorkOrder:**	0610B92
Client Sample ID:	MW-18	**Lab ID:**	0610B92-09A
Project:	MSW LANDFILL	**Collection Date:**	10/19/2006
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TC**
1,2-Dichloroethane	ND	µg/L		NA	1.0	10/21/2006 9:38:00 AM
1,1-Dichloroethene	ND	µg/L		NA	5.0	10/21/2006 9:38:00 AM
cis-1,2-Dichloroethene	ND	µg/L		NA	5.0	10/21/2006 9:38:00 AM
trans-1,2-Dichloroethene	ND	µg/L		NA	5.0	10/21/2006 9:38:00 AM
1,2-Dichloropropane	ND	µg/L		NA	1.0	10/21/2006 9:38:00 AM
cis-1,3-Dichloropropene	ND	µg/L		NA	1.0	10/21/2006 9:38:00 AM
trans-1,3-Dichloropropene	ND	µg/L		NA	1.0	10/21/2006 9:38:00 AM
Ethylbenzene	ND	µg/L		NA	5.0	10/21/2006 9:38:00 AM
2-Hexanone	ND	µg/L		NA	50.0	10/21/2006 9:38:00 AM
Iodomethane	ND	µg/L		NA	10	10/21/2006 9:38:00 AM
Methylene chloride	ND	µg/L		NA	5.0	10/21/2006 9:38:00 AM
4-Methyl-2-pentanone	ND	µg/L		NA	50.0	10/21/2006 9:38:00 AM
Styrene	ND	µg/L		NA	5.0	10/21/2006 9:38:00 AM
1,1,1,2-Tetrachloroethane	ND	µg/L		NA	5.0	10/21/2006 9:38:00 AM
1,1,2,2-Tetrachloroethane	ND	µg/L		NA	5.0	10/21/2006 9:38:00 AM
Tetrachloroethene	ND	µg/L		NA	1.0	10/21/2006 9:38:00 AM
Toluene	ND	µg/L		NA	5.0	10/21/2006 9:38:00 AM
1,1,1-Trichloroethane	ND	µg/L		NA	5.0	10/21/2006 9:38:00 AM
1,1,2-Trichloroethane	ND	µg/L		NA	5.0	10/21/2006 9:38:00 AM
Trichloroethene	ND	µg/L		NA	1.0	10/21/2006 9:38:00 AM
Trichlorofluoromethane	ND	µg/L		NA	5.0	10/21/2006 9:38:00 AM
1,2,3-Trichloropropane	ND	µg/L		NA	1.0	10/21/2006 9:38:00 AM
Vinyl acetate	ND	µg/L		NA	25.0	10/21/2006 9:38:00 AM
Vinyl chloride	ND	µg/L		NA	1.0	10/21/2006 9:38:00 AM
o-Xylene	ND	µg/L		NA	5.0	10/21/2006 9:38:00 AM
m,p-Xylene	ND	µg/L		NA	5.0	10/21/2006 9:38:00 AM
Surr: 1,2-Dichloroethane-d4	114	%REC		NA	80-120	10/21/2006 9:38:00 AM
Surr: 4-Bromofluorobenzene	103	%REC		NA	86-115	10/21/2006 9:38:00 AM
Surr: Dibromofluoromethane	112	%REC		NA	80-120	10/21/2006 9:38:00 AM
Surr: Toluene-d8	95	%REC		NA	88-110	10/21/2006 9:38:00 AM
TOTAL SUSPENDED SOLIDS			**SM2540 D**			Analyst: **SB**
Total Suspended Solids	647	mg/L		1	10	10/23/2006 10:20:00 AM

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 Compound

Qualifiers:

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

REI Consultants Inc.

Date: *13-Nov-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAGE	**WorkOrder:**	0610B92
Client Sample ID:	MW-19	**Lab ID:**	0610B92-10A
Project:	MSW LANDFILL	**Collection Date:**	10/19/2006
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**		**/SW3020A**	Analyst: **BP**
Antimony	ND	mg/L		NA	0.0300	11/12/2006 4:43:20 PM
Arsenic	ND	mg/L		NA	0.0100	11/12/2006 4:43:20 PM
Barium	0.819	mg/L		NA	0.500	11/12/2006 4:43:20 PM
Beryllium	ND	mg/L		NA	0.0020	11/12/2006 4:43:20 PM
Cadmium	ND	mg/L		NA	0.0010	11/12/2006 4:43:20 PM
Chromium	ND	mg/L		NA	0.0100	11/12/2006 4:43:20 PM
Cobalt	0.0114	mg/L		NA	0.0100	11/12/2006 4:43:20 PM
Copper	ND	mg/L		NA	0.200	11/12/2006 4:43:20 PM
Lead	0.0252	mg/L		NA	0.0100	11/12/2006 4:43:20 PM
Nickel	ND	mg/L		NA	0.0500	11/12/2006 4:43:20 PM
Selenium	ND	mg/L		NA	0.0200	11/12/2006 4:43:20 PM
Silver	ND	mg/L		NA	0.0100	11/12/2006 4:43:20 PM
Thallium	ND	mg/L		NA	0.0100	11/12/2006 4:43:20 PM
Vanadium	ND	mg/L		NA	0.0400	11/12/2006 4:43:20 PM
Zinc	0.0738	mg/L		NA	0.0500	11/12/2006 4:43:20 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TC**
Acetone	ND	µg/L		NA	50.0	10/21/2006 10:11:00 AM
Acrylonitrile	ND	µg/L		NA	25.0	10/21/2006 10:11:00 AM
Benzene	ND	µg/L		NA	1.0	10/21/2006 10:11:00 AM
Bromochloromethane	ND	µg/L		NA	5.0	10/21/2006 10:11:00 AM
Bromodichloromethane	ND	µg/L		NA	1.0	10/21/2006 10:11:00 AM
Bromoform	ND	µg/L		NA	1.0	10/21/2006 10:11:00 AM
Bromomethane	ND	µg/L		NA	5.0	10/21/2006 10:11:00 AM
2-Butanone	ND	µg/L		NA	50.0	10/21/2006 10:11:00 AM
Carbon disulfide	ND	µg/L		NA	25.0	10/21/2006 10:11:00 AM
Carbon tetrachloride	ND	µg/L		NA	1.0	10/21/2006 10:11:00 AM
Chlorobenzene	ND	µg/L		NA	5.0	10/21/2006 10:11:00 AM
Chloroethane	ND	µg/L		NA	5.0	10/21/2006 10:11:00 AM
Chloroform	ND	µg/L		NA	1.0	10/21/2006 10:11:00 AM
Chloromethane	ND	µg/L		NA	1.0	10/21/2006 10:11:00 AM
Dibromochloromethane	ND	µg/L		NA	5.0	10/21/2006 10:11:00 AM
1,2-Dibromo-3-chloropropane	ND	µg/L		NA	1.0	10/21/2006 10:11:00 AM
1,2-Dibromoethane	ND	µg/L		NA	1.0	10/21/2006 10:11:00 AM
Dibromomethane	ND	µg/L		NA	5.0	10/21/2006 10:11:00 AM
1,2-Dichlorobenzene	ND	µg/L		NA	5.0	10/21/2006 10:11:00 AM
1,4-Dichlorobenzene	ND	µg/L		NA	5.0	10/21/2006 10:11:00 AM
trans-1,4-Dichloro-2-butene	ND	µg/L		NA	50.0	10/21/2006 10:11:00 AM
1,1-Dichloroethane	ND	µg/L		NA	5.0	10/21/2006 10:11:00 AM

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 Compound

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

REI Consultants Inc.

Date: *13-Nov-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAGE	**WorkOrder:**	0610B92
Client Sample ID:	MW-19	**Lab ID:**	0610B92-10A
Project:	MSW LANDFILL	**Collection Date:**	10/19/2006
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TC**
1,2-Dichloroethane	ND	µg/L		NA	1.0	10/21/2006 10:11:00 AM
1,1-Dichloroethene	ND	µg/L		NA	5.0	10/21/2006 10:11:00 AM
cis-1,2-Dichloroethene	ND	µg/L		NA	5.0	10/21/2006 10:11:00 AM
trans-1,2-Dichloroethene	ND	µg/L		NA	5.0	10/21/2006 10:11:00 AM
1,2-Dichloropropane	ND	µg/L		NA	1.0	10/21/2006 10:11:00 AM
cis-1,3-Dichloropropene	ND	µg/L		NA	1.0	10/21/2006 10:11:00 AM
trans-1,3-Dichloropropene	ND	µg/L		NA	1.0	10/21/2006 10:11:00 AM
Ethylbenzene	ND	µg/L		NA	5.0	10/21/2006 10:11:00 AM
2-Hexanone	ND	µg/L		NA	50.0	10/21/2006 10:11:00 AM
Iodomethane	ND	µg/L		NA	10	10/21/2006 10:11:00 AM
Methylene chloride	ND	µg/L		NA	5.0	10/21/2006 10:11:00 AM
4-Methyl-2-pentanone	ND	µg/L		NA	50.0	10/21/2006 10:11:00 AM
Styrene	ND	µg/L		NA	5.0	10/21/2006 10:11:00 AM
1,1,1,2-Tetrachloroethane	ND	µg/L		NA	5.0	10/21/2006 10:11:00 AM
1,1,2,2-Tetrachloroethane	ND	µg/L		NA	5.0	10/21/2006 10:11:00 AM
Tetrachloroethene	ND	µg/L		NA	1.0	10/21/2006 10:11:00 AM
Toluene	ND	µg/L		NA	5.0	10/21/2006 10:11:00 AM
1,1,1-Trichloroethane	ND	µg/L		NA	5.0	10/21/2006 10:11:00 AM
1,1,2-Trichloroethane	ND	µg/L		NA	5.0	10/21/2006 10:11:00 AM
Trichloroethene	ND	µg/L		NA	1.0	10/21/2006 10:11:00 AM
Trichlorofluoromethane	ND	µg/L		NA	5.0	10/21/2006 10:11:00 AM
1,2,3-Trichloropropane	ND	µg/L		NA	1.0	10/21/2006 10:11:00 AM
Vinyl acetate	ND	µg/L		NA	25.0	10/21/2006 10:11:00 AM
Vinyl chloride	ND	µg/L		NA	1.0	10/21/2006 10:11:00 AM
o-Xylene	ND	µg/L		NA	5.0	10/21/2006 10:11:00 AM
m,p-Xylene	ND	µg/L		NA	5.0	10/21/2006 10:11:00 AM
Surr: 1,2-Dichloroethane-d4	119	%REC		NA	80-120	10/21/2006 10:11:00 AM
Surr: 4-Bromofluorobenzene	101	%REC		NA	86-115	10/21/2006 10:11:00 AM
Surr: Dibromofluoromethane	109	%REC		NA	80-120	10/21/2006 10:11:00 AM
Surr: Toluene-d8	93	%REC		NA	88-110	10/21/2006 10:11:00 AM
TOTAL SUSPENDED SOLIDS			**SM2540 D**			Analyst: **SB**
Total Suspended Solids	816	mg/L		1	10	10/23/2006 10:20:00 AM

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 Compound

Qualifiers:

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

REI Consultants Inc.

Date: *13-Nov-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAGE	**WorkOrder:**	0610B92
Client Sample ID:	MW-19A	**Lab ID:**	0610B92-11A
Project:	MSW LANDFILL	**Collection Date:**	10/19/2006
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**		**/SW3020A**	Analyst: **BP**
Antimony	ND	mg/L		NA	0.0300	11/12/2006 4:48:55 PM
Arsenic	ND	mg/L		NA	0.0100	11/12/2006 4:48:55 PM
Barium	ND	mg/L		NA	0.500	11/12/2006 4:48:55 PM
Beryllium	ND	mg/L		NA	0.0020	11/12/2006 4:48:55 PM
Cadmium	ND	mg/L		NA	0.0010	11/12/2006 4:48:55 PM
Chromium	ND	mg/L		NA	0.0100	11/12/2006 4:48:55 PM
Cobalt	ND	mg/L		NA	0.0100	11/12/2006 4:48:55 PM
Copper	ND	mg/L		NA	0.200	11/12/2006 4:48:55 PM
Lead	ND	mg/L		NA	0.0100	11/12/2006 4:48:55 PM
Nickel	ND	mg/L		NA	0.0500	11/12/2006 4:48:55 PM
Selenium	ND	mg/L		NA	0.0200	11/12/2006 4:48:55 PM
Silver	ND	mg/L		NA	0.0100	11/12/2006 4:48:55 PM
Thallium	ND	mg/L		NA	0.0100	11/12/2006 4:48:55 PM
Vanadium	ND	mg/L		NA	0.0400	11/12/2006 4:48:55 PM
Zinc	ND	mg/L		NA	0.0500	11/12/2006 4:48:55 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TC**
Acetone	ND	µg/L		NA	50.0	10/21/2006 10:44:00 AM
Acrylonitrile	ND	µg/L		NA	25.0	10/21/2006 10:44:00 AM
Benzene	ND	µg/L		NA	1.0	10/21/2006 10:44:00 AM
Bromochloromethane	ND	µg/L		NA	5.0	10/21/2006 10:44:00 AM
Bromodichloromethane	ND	µg/L		NA	1.0	10/21/2006 10:44:00 AM
Bromoform	ND	µg/L		NA	1.0	10/21/2006 10:44:00 AM
Bromomethane	ND	µg/L		NA	5.0	10/21/2006 10:44:00 AM
2-Butanone	ND	µg/L		NA	50.0	10/21/2006 10:44:00 AM
Carbon disulfide	ND	µg/L		NA	25.0	10/21/2006 10:44:00 AM
Carbon tetrachloride	ND	µg/L		NA	1.0	10/21/2006 10:44:00 AM
Chlorobenzene	ND	µg/L		NA	5.0	10/21/2006 10:44:00 AM
Chloroethane	ND	µg/L		NA	5.0	10/21/2006 10:44:00 AM
Chloroform	ND	µg/L		NA	1.0	10/21/2006 10:44:00 AM
Chloromethane	ND	µg/L		NA	1.0	10/21/2006 10:44:00 AM
Dibromochloromethane	ND	µg/L		NA	5.0	10/21/2006 10:44:00 AM
1,2-Dibromo-3-chloropropane	ND	µg/L		NA	1.0	10/21/2006 10:44:00 AM
1,2-Dibromoethane	ND	µg/L		NA	1.0	10/21/2006 10:44:00 AM
Dibromomethane	ND	µg/L		NA	5.0	10/21/2006 10:44:00 AM
1,2-Dichlorobenzene	ND	µg/L		NA	5.0	10/21/2006 10:44:00 AM
1,4-Dichlorobenzene	ND	µg/L		NA	5.0	10/21/2006 10:44:00 AM
trans-1,4-Dichloro-2-butene	ND	µg/L		NA	50.0	10/21/2006 10:44:00 AM
1,1-Dichloroethane	ND	µg/L		NA	5.0	10/21/2006 10:44:00 AM

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 Compound

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

REI Consultants Inc.

Date: *13-Nov-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAGE	**WorkOrder:**	0610B92
Client Sample ID:	MW-19A	**Lab ID:**	0610B92-11A
Project:	MSW LANDFILL	**Collection Date:**	10/19/2006
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TC**
1,2-Dichloroethane	ND	µg/L		NA	1.0	10/21/2006 10:44:00 AM
1,1-Dichloroethene	ND	µg/L		NA	5.0	10/21/2006 10:44:00 AM
cis-1,2-Dichloroethene	ND	µg/L		NA	5.0	10/21/2006 10:44:00 AM
trans-1,2-Dichloroethene	ND	µg/L		NA	5.0	10/21/2006 10:44:00 AM
1,2-Dichloropropane	ND	µg/L		NA	1.0	10/21/2006 10:44:00 AM
cis-1,3-Dichloropropene	ND	µg/L		NA	1.0	10/21/2006 10:44:00 AM
trans-1,3-Dichloropropene	ND	µg/L		NA	1.0	10/21/2006 10:44:00 AM
Ethylbenzene	ND	µg/L		NA	5.0	10/21/2006 10:44:00 AM
2-Hexanone	ND	µg/L		NA	50.0	10/21/2006 10:44:00 AM
Iodomethane	ND	µg/L		NA	10	10/21/2006 10:44:00 AM
Methylene chloride	ND	µg/L		NA	5.0	10/21/2006 10:44:00 AM
4-Methyl-2-pentanone	ND	µg/L		NA	50.0	10/21/2006 10:44:00 AM
Styrene	ND	µg/L		NA	5.0	10/21/2006 10:44:00 AM
1,1,1,2-Tetrachloroethane	ND	µg/L		NA	5.0	10/21/2006 10:44:00 AM
1,1,2,2-Tetrachloroethane	ND	µg/L		NA	5.0	10/21/2006 10:44:00 AM
Tetrachloroethene	ND	µg/L		NA	1.0	10/21/2006 10:44:00 AM
Toluene	ND	µg/L		NA	5.0	10/21/2006 10:44:00 AM
1,1,1-Trichloroethane	ND	µg/L		NA	5.0	10/21/2006 10:44:00 AM
1,1,2-Trichloroethane	ND	µg/L		NA	5.0	10/21/2006 10:44:00 AM
Trichloroethene	ND	µg/L		NA	1.0	10/21/2006 10:44:00 AM
Trichlorofluoromethane	ND	µg/L		NA	5.0	10/21/2006 10:44:00 AM
1,2,3-Trichloropropane	ND	µg/L		NA	1.0	10/21/2006 10:44:00 AM
Vinyl acetate	ND	µg/L		NA	25.0	10/21/2006 10:44:00 AM
Vinyl chloride	ND	µg/L		NA	1.0	10/21/2006 10:44:00 AM
o-Xylene	ND	µg/L		NA	5.0	10/21/2006 10:44:00 AM
m,p-Xylene	ND	µg/L		NA	5.0	10/21/2006 10:44:00 AM
Surr: 1,2-Dichloroethane-d4	115	%REC		NA	80-120	10/21/2006 10:44:00 AM
Surr: 4-Bromofluorobenzene	98	%REC		NA	86-115	10/21/2006 10:44:00 AM
Surr: Dibromofluoromethane	112	%REC		NA	80-120	10/21/2006 10:44:00 AM
Surr: Toluene-d8	94	%REC		NA	88-110	10/21/2006 10:44:00 AM
TOTAL SUSPENDED SOLIDS			**SM2540 D**			Analyst: **SB**
Total Suspended Solids	11	mg/L		1	10	10/23/2006 10:20:00 AM

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 Compound

Qualifiers:

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

REI Consultants Inc.

Date: *13-Nov-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAGE	**WorkOrder:**	0610B92
Client Sample ID:	MW-20	**Lab ID:**	0610B92-12A
Project:	MSW LANDFILL	**Collection Date:**	10/19/2006
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**		**/SW3020A**	Analyst: **BP**
Antimony	ND	mg/L		NA	0.0300	11/12/2006 4:54:29 PM
Arsenic	ND	mg/L		NA	0.0100	11/12/2006 4:54:29 PM
Barium	ND	mg/L		NA	0.500	11/12/2006 4:54:29 PM
Beryllium	ND	mg/L		NA	0.0020	11/12/2006 4:54:29 PM
Cadmium	ND	mg/L		NA	0.0010	11/12/2006 4:54:29 PM
Chromium	ND	mg/L		NA	0.0100	11/12/2006 4:54:29 PM
Cobalt	ND	mg/L		NA	0.0100	11/12/2006 4:54:29 PM
Copper	ND	mg/L		NA	0.200	11/12/2006 4:54:29 PM
Lead	ND	mg/L		NA	0.0100	11/12/2006 4:54:29 PM
Nickel	ND	mg/L		NA	0.0500	11/12/2006 4:54:29 PM
Selenium	ND	mg/L		NA	0.0200	11/12/2006 4:54:29 PM
Silver	ND	mg/L		NA	0.0100	11/12/2006 4:54:29 PM
Thallium	ND	mg/L		NA	0.0100	11/12/2006 4:54:29 PM
Vanadium	ND	mg/L		NA	0.0400	11/12/2006 4:54:29 PM
Zinc	ND	mg/L		NA	0.0500	11/12/2006 4:54:29 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TC**
Acetone	ND	µg/L		NA	50.0	10/21/2006 11:17:00 AM
Acrylonitrile	ND	µg/L		NA	25.0	10/21/2006 11:17:00 AM
Benzene	ND	µg/L		NA	1.0	10/21/2006 11:17:00 AM
Bromochloromethane	ND	µg/L		NA	5.0	10/21/2006 11:17:00 AM
Bromodichloromethane	ND	µg/L		NA	1.0	10/21/2006 11:17:00 AM
Bromoform	ND	µg/L		NA	1.0	10/21/2006 11:17:00 AM
Bromomethane	ND	µg/L		NA	5.0	10/21/2006 11:17:00 AM
2-Butanone	ND	µg/L		NA	50.0	10/21/2006 11:17:00 AM
Carbon disulfide	ND	µg/L		NA	25.0	10/21/2006 11:17:00 AM
Carbon tetrachloride	ND	µg/L		NA	1.0	10/21/2006 11:17:00 AM
Chlorobenzene	ND	µg/L		NA	5.0	10/21/2006 11:17:00 AM
Chloroethane	ND	µg/L		NA	5.0	10/21/2006 11:17:00 AM
Chloroform	ND	µg/L		NA	1.0	10/21/2006 11:17:00 AM
Chloromethane	ND	µg/L		NA	1.0	10/21/2006 11:17:00 AM
Dibromochloromethane	ND	µg/L		NA	5.0	10/21/2006 11:17:00 AM
1,2-Dibromo-3-chloropropane	ND	µg/L		NA	1.0	10/21/2006 11:17:00 AM
1,2-Dibromoethane	ND	µg/L		NA	1.0	10/21/2006 11:17:00 AM
Dibromomethane	ND	µg/L		NA	5.0	10/21/2006 11:17:00 AM
1,2-Dichlorobenzene	ND	µg/L		NA	5.0	10/21/2006 11:17:00 AM
1,4-Dichlorobenzene	ND	µg/L		NA	5.0	10/21/2006 11:17:00 AM
trans-1,4-Dichloro-2-butene	ND	µg/L		NA	50.0	10/21/2006 11:17:00 AM
1,1-Dichloroethane	ND	µg/L		NA	5.0	10/21/2006 11:17:00 AM

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 Compound

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

REI Consultants Inc.

Date: *13-Nov-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAGE	**WorkOrder:**	0610B92
Client Sample ID:	MW-20	**Lab ID:**	0610B92-12A
Project:	MSW LANDFILL	**Collection Date:**	10/19/2006
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TC**
1,2-Dichloroethane	ND	µg/L		NA	1.0	10/21/2006 11:17:00 AM
1,1-Dichloroethene	ND	µg/L		NA	5.0	10/21/2006 11:17:00 AM
cis-1,2-Dichloroethene	ND	µg/L		NA	5.0	10/21/2006 11:17:00 AM
trans-1,2-Dichloroethene	ND	µg/L		NA	5.0	10/21/2006 11:17:00 AM
1,2-Dichloropropane	ND	µg/L		NA	1.0	10/21/2006 11:17:00 AM
cis-1,3-Dichloropropene	ND	µg/L		NA	1.0	10/21/2006 11:17:00 AM
trans-1,3-Dichloropropene	ND	µg/L		NA	1.0	10/21/2006 11:17:00 AM
Ethylbenzene	ND	µg/L		NA	5.0	10/21/2006 11:17:00 AM
2-Hexanone	ND	µg/L		NA	50.0	10/21/2006 11:17:00 AM
Iodomethane	ND	µg/L		NA	10	10/21/2006 11:17:00 AM
Methylene chloride	ND	µg/L		NA	5.0	10/21/2006 11:17:00 AM
4-Methyl-2-pentanone	ND	µg/L		NA	50.0	10/21/2006 11:17:00 AM
Styrene	ND	µg/L		NA	5.0	10/21/2006 11:17:00 AM
1,1,1,2-Tetrachloroethane	ND	µg/L		NA	5.0	10/21/2006 11:17:00 AM
1,1,2,2-Tetrachloroethane	ND	µg/L		NA	5.0	10/21/2006 11:17:00 AM
Tetrachloroethene	ND	µg/L		NA	1.0	10/21/2006 11:17:00 AM
Toluene	ND	µg/L		NA	5.0	10/21/2006 11:17:00 AM
1,1,1-Trichloroethane	ND	µg/L		NA	5.0	10/21/2006 11:17:00 AM
1,1,2-Trichloroethane	ND	µg/L		NA	5.0	10/21/2006 11:17:00 AM
Trichloroethene	ND	µg/L		NA	1.0	10/21/2006 11:17:00 AM
Trichlorofluoromethane	ND	µg/L		NA	5.0	10/21/2006 11:17:00 AM
1,2,3-Trichloropropane	ND	µg/L		NA	1.0	10/21/2006 11:17:00 AM
Vinyl acetate	ND	µg/L		NA	25.0	10/21/2006 11:17:00 AM
Vinyl chloride	ND	µg/L		NA	1.0	10/21/2006 11:17:00 AM
o-Xylene	ND	µg/L		NA	5.0	10/21/2006 11:17:00 AM
m,p-Xylene	ND	µg/L		NA	5.0	10/21/2006 11:17:00 AM
Surr: 1,2-Dichloroethane-d4	114	%REC		NA	80-120	10/21/2006 11:17:00 AM
Surr: 4-Bromofluorobenzene	97	%REC		NA	86-115	10/21/2006 11:17:00 AM
Surr: Dibromofluoromethane	108	%REC		NA	80-120	10/21/2006 11:17:00 AM
Surr: Toluene-d8	92	%REC		NA	88-110	10/21/2006 11:17:00 AM
TOTAL SUSPENDED SOLIDS			**SM2540 D**			Analyst: **SB**
Total Suspended Solids	26	mg/L		1	10	10/23/2006 10:20:00 AM

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 Compound

Qualifiers:

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

REI Consultants Inc.

Date: *13-Nov-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAGE	**WorkOrder:**	0610B92
Client Sample ID:	MW-21	**Lab ID:**	0610B92-13A
Project:	MSW LANDFILL	**Collection Date:**	10/19/2006
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**		**/SW3020A**	Analyst: **BP**
Antimony	ND	mg/L		NA	0.0300	11/12/2006 5:00:05 PM
Arsenic	ND	mg/L		NA	0.0100	11/12/2006 5:00:05 PM
Barium	ND	mg/L		NA	0.500	11/12/2006 5:00:05 PM
Beryllium	ND	mg/L		NA	0.0020	11/12/2006 5:00:05 PM
Cadmium	ND	mg/L		NA	0.0010	11/12/2006 5:00:05 PM
Chromium	ND	mg/L		NA	0.0100	11/12/2006 5:00:05 PM
Cobalt	0.0113	mg/L		NA	0.0100	11/12/2006 5:00:05 PM
Copper	ND	mg/L		NA	0.200	11/12/2006 5:00:05 PM
Lead	ND	mg/L		NA	0.0100	11/12/2006 5:00:05 PM
Nickel	ND	mg/L		NA	0.0500	11/12/2006 5:00:05 PM
Selenium	ND	mg/L		NA	0.0200	11/12/2006 5:00:05 PM
Silver	ND	mg/L		NA	0.0100	11/12/2006 5:00:05 PM
Thallium	ND	mg/L		NA	0.0100	11/12/2006 5:00:05 PM
Vanadium	ND	mg/L		NA	0.0400	11/12/2006 5:00:05 PM
Zinc	ND	mg/L		NA	0.0500	11/12/2006 5:00:05 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TC**
Acetone	ND	µg/L		NA	50.0	10/21/2006 11:51:00 AM
Acrylonitrile	ND	µg/L		NA	25.0	10/21/2006 11:51:00 AM
Benzene	ND	µg/L		NA	1.0	10/21/2006 11:51:00 AM
Bromochloromethane	ND	µg/L		NA	5.0	10/21/2006 11:51:00 AM
Bromodichloromethane	ND	µg/L		NA	1.0	10/21/2006 11:51:00 AM
Bromoform	ND	µg/L		NA	1.0	10/21/2006 11:51:00 AM
Bromomethane	ND	µg/L		NA	5.0	10/21/2006 11:51:00 AM
2-Butanone	ND	µg/L		NA	50.0	10/21/2006 11:51:00 AM
Carbon disulfide	ND	µg/L		NA	25.0	10/21/2006 11:51:00 AM
Carbon tetrachloride	ND	µg/L		NA	1.0	10/21/2006 11:51:00 AM
Chlorobenzene	ND	µg/L		NA	5.0	10/21/2006 11:51:00 AM
Chloroethane	ND	µg/L		NA	5.0	10/21/2006 11:51:00 AM
Chloroform	ND	µg/L		NA	1.0	10/21/2006 11:51:00 AM
Chloromethane	ND	µg/L		NA	1.0	10/21/2006 11:51:00 AM
Dibromochloromethane	ND	µg/L		NA	5.0	10/21/2006 11:51:00 AM
1,2-Dibromo-3-chloropropane	ND	µg/L		NA	1.0	10/21/2006 11:51:00 AM
1,2-Dibromoethane	ND	µg/L		NA	1.0	10/21/2006 11:51:00 AM
Dibromomethane	ND	µg/L		NA	5.0	10/21/2006 11:51:00 AM
1,2-Dichlorobenzene	ND	µg/L		NA	5.0	10/21/2006 11:51:00 AM
1,4-Dichlorobenzene	ND	µg/L		NA	5.0	10/21/2006 11:51:00 AM
trans-1,4-Dichloro-2-butene	ND	µg/L		NA	50.0	10/21/2006 11:51:00 AM
1,1-Dichloroethane	ND	µg/L		NA	5.0	10/21/2006 11:51:00 AM

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 Compound

Qualifiers:

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

REI Consultants Inc.

Date: *13-Nov-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAGE	**WorkOrder:**	0610B92
Client Sample ID:	MW-21	**Lab ID:**	0610B92-13A
Project:	MSW LANDFILL	**Collection Date:**	10/19/2006
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TC**
1,2-Dichloroethane	ND	µg/L		NA	1.0	10/21/2006 11:51:00 AM
1,1-Dichloroethene	ND	µg/L		NA	5.0	10/21/2006 11:51:00 AM
cis-1,2-Dichloroethene	ND	µg/L		NA	5.0	10/21/2006 11:51:00 AM
trans-1,2-Dichloroethene	ND	µg/L		NA	5.0	10/21/2006 11:51:00 AM
1,2-Dichloropropane	ND	µg/L		NA	1.0	10/21/2006 11:51:00 AM
cis-1,3-Dichloropropene	ND	µg/L		NA	1.0	10/21/2006 11:51:00 AM
trans-1,3-Dichloropropene	ND	µg/L		NA	1.0	10/21/2006 11:51:00 AM
Ethylbenzene	ND	µg/L		NA	5.0	10/21/2006 11:51:00 AM
2-Hexanone	ND	µg/L		NA	50.0	10/21/2006 11:51:00 AM
Iodomethane	ND	µg/L		NA	10	10/21/2006 11:51:00 AM
Methylene chloride	ND	µg/L		NA	5.0	10/21/2006 11:51:00 AM
4-Methyl-2-pentanone	ND	µg/L		NA	50.0	10/21/2006 11:51:00 AM
Styrene	ND	µg/L		NA	5.0	10/21/2006 11:51:00 AM
1,1,1,2-Tetrachloroethane	ND	µg/L		NA	5.0	10/21/2006 11:51:00 AM
1,1,2,2-Tetrachloroethane	ND	µg/L		NA	5.0	10/21/2006 11:51:00 AM
Tetrachloroethene	ND	µg/L		NA	1.0	10/21/2006 11:51:00 AM
Toluene	ND	µg/L		NA	5.0	10/21/2006 11:51:00 AM
1,1,1-Trichloroethane	ND	µg/L		NA	5.0	10/21/2006 11:51:00 AM
1,1,2-Trichloroethane	ND	µg/L		NA	5.0	10/21/2006 11:51:00 AM
Trichloroethene	ND	µg/L		NA	1.0	10/21/2006 11:51:00 AM
Trichlorofluoromethane	ND	µg/L		NA	5.0	10/21/2006 11:51:00 AM
1,2,3-Trichloropropane	ND	µg/L		NA	1.0	10/21/2006 11:51:00 AM
Vinyl acetate	ND	µg/L		NA	25.0	10/21/2006 11:51:00 AM
Vinyl chloride	ND	µg/L		NA	1.0	10/21/2006 11:51:00 AM
o-Xylene	ND	µg/L		NA	5.0	10/21/2006 11:51:00 AM
m,p-Xylene	ND	µg/L		NA	5.0	10/21/2006 11:51:00 AM
Surr: 1,2-Dichloroethane-d4	112	%REC		NA	80-120	10/21/2006 11:51:00 AM
Surr: 4-Bromofluorobenzene	98	%REC		NA	86-115	10/21/2006 11:51:00 AM
Surr: Dibromofluoromethane	110	%REC		NA	80-120	10/21/2006 11:51:00 AM
Surr: Toluene-d8	92	%REC		NA	88-110	10/21/2006 11:51:00 AM
TOTAL SUSPENDED SOLIDS			**SM2540 D**			Analyst: **SB**
Total Suspended Solids	72	mg/L		1	10	10/23/2006 10:20:00 AM

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 Compound

Qualifiers:

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

REI Consultants Inc.

Date: *13-Nov-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAGE	**WorkOrder:**	0610B92
Client Sample ID:	MW-22	**Lab ID:**	0610B92-14A
Project:	MSW LANDFILL	**Collection Date:**	10/19/2006
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**		**/SW3020A**	Analyst: **BP**
Antimony	ND	mg/L		NA	0.0300	11/12/2006 5:05:40 PM
Arsenic	ND	mg/L		NA	0.0100	11/12/2006 5:05:40 PM
Barium	1.26	mg/L		NA	0.500	11/12/2006 5:05:40 PM
Beryllium	0.0042	mg/L		NA	0.0020	11/12/2006 5:05:40 PM
Cadmium	ND	mg/L		NA	0.0010	11/12/2006 5:05:40 PM
Chromium	0.0837	mg/L		NA	0.0100	11/12/2006 5:05:40 PM
Cobalt	0.0862	mg/L		NA	0.0100	11/12/2006 5:05:40 PM
Copper	ND	mg/L		NA	0.200	11/12/2006 5:05:40 PM
Lead	0.0417	mg/L		NA	0.0100	11/12/2006 5:05:40 PM
Nickel	ND	mg/L		NA	0.0500	11/12/2006 5:05:40 PM
Selenium	ND	mg/L		NA	0.0200	11/12/2006 5:05:40 PM
Silver	ND	mg/L		NA	0.0100	11/12/2006 5:05:40 PM
Thallium	ND	mg/L		NA	0.0100	11/12/2006 5:05:40 PM
Vanadium	0.141	mg/L		NA	0.0400	11/12/2006 5:05:40 PM
Zinc	0.207	mg/L		NA	0.0500	11/12/2006 5:05:40 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TC**
Acetone	ND	µg/L		NA	50.0	10/21/2006 12:24:00 PM
Acrylonitrile	ND	µg/L		NA	25.0	10/21/2006 12:24:00 PM
Benzene	ND	µg/L		NA	1.0	10/21/2006 12:24:00 PM
Bromochloromethane	ND	µg/L		NA	5.0	10/21/2006 12:24:00 PM
Bromodichloromethane	ND	µg/L		NA	1.0	10/21/2006 12:24:00 PM
Bromoform	ND	µg/L		NA	1.0	10/21/2006 12:24:00 PM
Bromomethane	ND	µg/L		NA	5.0	10/21/2006 12:24:00 PM
2-Butanone	ND	µg/L		NA	50.0	10/21/2006 12:24:00 PM
Carbon disulfide	ND	µg/L		NA	25.0	10/21/2006 12:24:00 PM
Carbon tetrachloride	ND	µg/L		NA	1.0	10/21/2006 12:24:00 PM
Chlorobenzene	ND	µg/L		NA	5.0	10/21/2006 12:24:00 PM
Chloroethane	ND	µg/L		NA	5.0	10/21/2006 12:24:00 PM
Chloroform	ND	µg/L		NA	1.0	10/21/2006 12:24:00 PM
Chloromethane	ND	µg/L		NA	1.0	10/21/2006 12:24:00 PM
Dibromochloromethane	ND	µg/L		NA	5.0	10/21/2006 12:24:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		NA	1.0	10/21/2006 12:24:00 PM
1,2-Dibromoethane	ND	µg/L		NA	1.0	10/21/2006 12:24:00 PM
Dibromomethane	ND	µg/L		NA	5.0	10/21/2006 12:24:00 PM
1,2-Dichlorobenzene	ND	µg/L		NA	5.0	10/21/2006 12:24:00 PM
1,4-Dichlorobenzene	ND	µg/L		NA	5.0	10/21/2006 12:24:00 PM
trans-1,4-Dichloro-2-butene	ND	µg/L		NA	50.0	10/21/2006 12:24:00 PM
1,1-Dichloroethane	ND	µg/L		NA	5.0	10/21/2006 12:24:00 PM

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 Compound

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

REI Consultants Inc.

Date: *13-Nov-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAGE	**WorkOrder:**	0610B92
Client Sample ID:	MW-22	**Lab ID:**	0610B92-14A
Project:	MSW LANDFILL	**Collection Date:**	10/19/2006
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TC**
1,2-Dichloroethane	ND	µg/L		NA	1.0	10/21/2006 12:24:00 PM
1,1-Dichloroethene	ND	µg/L		NA	5.0	10/21/2006 12:24:00 PM
cis-1,2-Dichloroethene	ND	µg/L		NA	5.0	10/21/2006 12:24:00 PM
trans-1,2-Dichloroethene	ND	µg/L		NA	5.0	10/21/2006 12:24:00 PM
1,2-Dichloropropane	ND	µg/L		NA	1.0	10/21/2006 12:24:00 PM
cis-1,3-Dichloropropene	ND	µg/L		NA	1.0	10/21/2006 12:24:00 PM
trans-1,3-Dichloropropene	ND	µg/L		NA	1.0	10/21/2006 12:24:00 PM
Ethylbenzene	ND	µg/L		NA	5.0	10/21/2006 12:24:00 PM
2-Hexanone	ND	µg/L		NA	50.0	10/21/2006 12:24:00 PM
Iodomethane	ND	µg/L		NA	10	10/21/2006 12:24:00 PM
Methylene chloride	ND	µg/L		NA	5.0	10/21/2006 12:24:00 PM
4-Methyl-2-pentanone	ND	µg/L		NA	50.0	10/21/2006 12:24:00 PM
Styrene	ND	µg/L		NA	5.0	10/21/2006 12:24:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		NA	5.0	10/21/2006 12:24:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		NA	5.0	10/21/2006 12:24:00 PM
Tetrachloroethene	ND	µg/L		NA	1.0	10/21/2006 12:24:00 PM
Toluene	ND	µg/L		NA	5.0	10/21/2006 12:24:00 PM
1,1,1-Trichloroethane	ND	µg/L		NA	5.0	10/21/2006 12:24:00 PM
1,1,2-Trichloroethane	ND	µg/L		NA	5.0	10/21/2006 12:24:00 PM
Trichloroethene	ND	µg/L		NA	1.0	10/21/2006 12:24:00 PM
Trichlorofluoromethane	ND	µg/L		NA	5.0	10/21/2006 12:24:00 PM
1,2,3-Trichloropropane	ND	µg/L		NA	1.0	10/21/2006 12:24:00 PM
Vinyl acetate	ND	µg/L		NA	25.0	10/21/2006 12:24:00 PM
Vinyl chloride	ND	µg/L		NA	1.0	10/21/2006 12:24:00 PM
o-Xylene	ND	µg/L		NA	5.0	10/21/2006 12:24:00 PM
m,p-Xylene	ND	µg/L		NA	5.0	10/21/2006 12:24:00 PM
Surr: 1,2-Dichloroethane-d4	114	%REC		NA	80-120	10/21/2006 12:24:00 PM
Surr: 4-Bromofluorobenzene	100	%REC		NA	86-115	10/21/2006 12:24:00 PM
Surr: Dibromofluoromethane	112	%REC		NA	80-120	10/21/2006 12:24:00 PM
Surr: Toluene-d8	94	%REC		NA	88-110	10/21/2006 12:24:00 PM
TOTAL SUSPENDED SOLIDS			**SM2540 D**			Analyst: **SB**
Total Suspended Solids	6700	mg/L		1	10	10/23/2006 10:20:00 AM

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 Compound

Qualifiers:

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

REI Consultants Inc.

Date: *13-Nov-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAGE	**WorkOrder:**	0610B92
Client Sample ID:	MW-22A	**Lab ID:**	0610B92-15A
Project:	MSW LANDFILL	**Collection Date:**	10/19/2006
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**		**/SW3020A**	Analyst: **BP**
Antimony	ND	mg/L		NA	0.0300	11/12/2006 5:11:16 PM
Arsenic	ND	mg/L		NA	0.0100	11/12/2006 5:11:16 PM
Barium	ND	mg/L		NA	0.500	11/12/2006 5:11:16 PM
Beryllium	ND	mg/L		NA	0.0020	11/12/2006 5:11:16 PM
Cadmium	ND	mg/L		NA	0.0010	11/12/2006 5:11:16 PM
Chromium	ND	mg/L		NA	0.0100	11/12/2006 5:11:16 PM
Cobalt	ND	mg/L		NA	0.0100	11/12/2006 5:11:16 PM
Copper	ND	mg/L		NA	0.200	11/12/2006 5:11:16 PM
Lead	ND	mg/L		NA	0.0100	11/12/2006 5:11:16 PM
Nickel	ND	mg/L		NA	0.0500	11/12/2006 5:11:16 PM
Selenium	ND	mg/L		NA	0.0200	11/12/2006 5:11:16 PM
Silver	ND	mg/L		NA	0.0100	11/12/2006 5:11:16 PM
Thallium	ND	mg/L		NA	0.0100	11/12/2006 5:11:16 PM
Vanadium	ND	mg/L		NA	0.0400	11/12/2006 5:11:16 PM
Zinc	ND	mg/L		NA	0.0500	11/12/2006 5:11:16 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TC**
Acetone	ND	µg/L		NA	50.0	10/21/2006 12:57:00 PM
Acrylonitrile	ND	µg/L		NA	25.0	10/21/2006 12:57:00 PM
Benzene	ND	µg/L		NA	1.0	10/21/2006 12:57:00 PM
Bromochloromethane	ND	µg/L		NA	5.0	10/21/2006 12:57:00 PM
Bromodichloromethane	ND	µg/L		NA	1.0	10/21/2006 12:57:00 PM
Bromoform	ND	µg/L		NA	1.0	10/21/2006 12:57:00 PM
Bromomethane	ND	µg/L		NA	5.0	10/21/2006 12:57:00 PM
2-Butanone	ND	µg/L		NA	50.0	10/21/2006 12:57:00 PM
Carbon disulfide	ND	µg/L		NA	25.0	10/21/2006 12:57:00 PM
Carbon tetrachloride	ND	µg/L		NA	1.0	10/21/2006 12:57:00 PM
Chlorobenzene	ND	µg/L		NA	5.0	10/21/2006 12:57:00 PM
Chloroethane	ND	µg/L		NA	5.0	10/21/2006 12:57:00 PM
Chloroform	ND	µg/L		NA	1.0	10/21/2006 12:57:00 PM
Chloromethane	ND	µg/L		NA	1.0	10/21/2006 12:57:00 PM
Dibromochloromethane	ND	µg/L		NA	5.0	10/21/2006 12:57:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		NA	1.0	10/21/2006 12:57:00 PM
1,2-Dibromoethane	ND	µg/L		NA	1.0	10/21/2006 12:57:00 PM
Dibromomethane	ND	µg/L		NA	5.0	10/21/2006 12:57:00 PM
1,2-Dichlorobenzene	ND	µg/L		NA	5.0	10/21/2006 12:57:00 PM
1,4-Dichlorobenzene	ND	µg/L		NA	5.0	10/21/2006 12:57:00 PM
trans-1,4-Dichloro-2-butene	ND	µg/L		NA	50.0	10/21/2006 12:57:00 PM
1,1-Dichloroethane	ND	µg/L		NA	5.0	10/21/2006 12:57:00 PM

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 Compound

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

REI Consultants Inc.

Date: *13-Nov-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAGE	**WorkOrder:**	0610B92
Client Sample ID:	MW-22A	**Lab ID:**	0610B92-15A
Project:	MSW LANDFILL	**Collection Date:**	10/19/2006
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TC**
1,2-Dichloroethane	ND	µg/L		NA	1.0	10/21/2006 12:57:00 PM
1,1-Dichloroethene	ND	µg/L		NA	5.0	10/21/2006 12:57:00 PM
cis-1,2-Dichloroethene	ND	µg/L		NA	5.0	10/21/2006 12:57:00 PM
trans-1,2-Dichloroethene	ND	µg/L		NA	5.0	10/21/2006 12:57:00 PM
1,2-Dichloropropane	ND	µg/L		NA	1.0	10/21/2006 12:57:00 PM
cis-1,3-Dichloropropene	ND	µg/L		NA	1.0	10/21/2006 12:57:00 PM
trans-1,3-Dichloropropene	ND	µg/L		NA	1.0	10/21/2006 12:57:00 PM
Ethylbenzene	ND	µg/L		NA	5.0	10/21/2006 12:57:00 PM
2-Hexanone	ND	µg/L		NA	50.0	10/21/2006 12:57:00 PM
Iodomethane	ND	µg/L		NA	10	10/21/2006 12:57:00 PM
Methylene chloride	ND	µg/L		NA	5.0	10/21/2006 12:57:00 PM
4-Methyl-2-pentanone	ND	µg/L		NA	50.0	10/21/2006 12:57:00 PM
Styrene	ND	µg/L		NA	5.0	10/21/2006 12:57:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		NA	5.0	10/21/2006 12:57:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		NA	5.0	10/21/2006 12:57:00 PM
Tetrachloroethene	ND	µg/L		NA	1.0	10/21/2006 12:57:00 PM
Toluene	ND	µg/L		NA	5.0	10/21/2006 12:57:00 PM
1,1,1-Trichloroethane	ND	µg/L		NA	5.0	10/21/2006 12:57:00 PM
1,1,2-Trichloroethane	ND	µg/L		NA	5.0	10/21/2006 12:57:00 PM
Trichloroethene	ND	µg/L		NA	1.0	10/21/2006 12:57:00 PM
Trichlorofluoromethane	ND	µg/L		NA	5.0	10/21/2006 12:57:00 PM
1,2,3-Trichloropropane	ND	µg/L		NA	1.0	10/21/2006 12:57:00 PM
Vinyl acetate	ND	µg/L		NA	25.0	10/21/2006 12:57:00 PM
Vinyl chloride	ND	µg/L		NA	1.0	10/21/2006 12:57:00 PM
o-Xylene	ND	µg/L		NA	5.0	10/21/2006 12:57:00 PM
m,p-Xylene	ND	µg/L		NA	5.0	10/21/2006 12:57:00 PM
Surr: 1,2-Dichloroethane-d4	131	%REC	S	NA	80-120	10/21/2006 12:57:00 PM
Surr: 4-Bromofluorobenzene	100	%REC		NA	86-115	10/21/2006 12:57:00 PM
Surr: Dibromofluoromethane	120	%REC		NA	80-120	10/21/2006 12:57:00 PM
Surr: Toluene-d8	93	%REC		NA	88-110	10/21/2006 12:57:00 PM
TOTAL SUSPENDED SOLIDS			**SM2540 D**			Analyst: **SB**
Total Suspended Solids	26	mg/L		1	10	10/23/2006 10:20:00 AM

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 Compound

Qualifiers:

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

REI Consultants Inc.

Date: *13-Nov-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAGE	**WorkOrder:**	0610B92
Client Sample ID:	SW-1	**Lab ID:**	0610B92-16A
Project:	MSW LANDFILL	**Collection Date:**	10/19/2006
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**		**/SW3020A**	Analyst: **BP**
Antimony	ND	mg/L		NA	0.0300	11/12/2006 5:16:54 PM
Arsenic	ND	mg/L		NA	0.0100	11/12/2006 5:16:54 PM
Barium	ND	mg/L		NA	0.500	11/12/2006 5:16:54 PM
Beryllium	ND	mg/L		NA	0.0020	11/12/2006 5:16:54 PM
Cadmium	ND	mg/L		NA	0.0010	11/12/2006 5:16:54 PM
Chromium	ND	mg/L		NA	0.0100	11/12/2006 5:16:54 PM
Cobalt	ND	mg/L		NA	0.0100	11/12/2006 5:16:54 PM
Copper	ND	mg/L		NA	0.200	11/12/2006 5:16:54 PM
Lead	ND	mg/L		NA	0.0100	11/12/2006 5:16:54 PM
Nickel	ND	mg/L		NA	0.0500	11/12/2006 5:16:54 PM
Selenium	ND	mg/L		NA	0.0200	11/12/2006 5:16:54 PM
Silver	ND	mg/L		NA	0.0100	11/12/2006 5:16:54 PM
Thallium	ND	mg/L		NA	0.0100	11/12/2006 5:16:54 PM
Vanadium	ND	mg/L		NA	0.0400	11/12/2006 5:16:54 PM
Zinc	ND	mg/L		NA	0.0500	11/12/2006 5:16:54 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TC**
Acetone	ND	µg/L		NA	50.0	10/21/2006 1:30:00 PM
Acrylonitrile	ND	µg/L		NA	25.0	10/21/2006 1:30:00 PM
Benzene	ND	µg/L		NA	1.0	10/21/2006 1:30:00 PM
Bromochloromethane	ND	µg/L		NA	5.0	10/21/2006 1:30:00 PM
Bromodichloromethane	ND	µg/L		NA	1.0	10/21/2006 1:30:00 PM
Bromoform	ND	µg/L		NA	1.0	10/21/2006 1:30:00 PM
Bromomethane	ND	µg/L		NA	5.0	10/21/2006 1:30:00 PM
2-Butanone	ND	µg/L		NA	50.0	10/21/2006 1:30:00 PM
Carbon disulfide	ND	µg/L		NA	25.0	10/21/2006 1:30:00 PM
Carbon tetrachloride	ND	µg/L		NA	1.0	10/21/2006 1:30:00 PM
Chlorobenzene	ND	µg/L		NA	5.0	10/21/2006 1:30:00 PM
Chloroethane	ND	µg/L		NA	5.0	10/21/2006 1:30:00 PM
Chloroform	ND	µg/L		NA	1.0	10/21/2006 1:30:00 PM
Chloromethane	ND	µg/L		NA	1.0	10/21/2006 1:30:00 PM
Dibromochloromethane	ND	µg/L		NA	5.0	10/21/2006 1:30:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		NA	1.0	10/21/2006 1:30:00 PM
1,2-Dibromoethane	ND	µg/L		NA	1.0	10/21/2006 1:30:00 PM
Dibromomethane	ND	µg/L		NA	5.0	10/21/2006 1:30:00 PM
1,2-Dichlorobenzene	ND	µg/L		NA	5.0	10/21/2006 1:30:00 PM
1,4-Dichlorobenzene	ND	µg/L		NA	5.0	10/21/2006 1:30:00 PM
trans-1,4-Dichloro-2-butene	ND	µg/L		NA	50.0	10/21/2006 1:30:00 PM
1,1-Dichloroethane	ND	µg/L		NA	5.0	10/21/2006 1:30:00 PM

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 Compound

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

REI Consultants Inc.

Date: *13-Nov-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAGE	**WorkOrder:**	0610B92
Client Sample ID:	SW-1	**Lab ID:**	0610B92-16A
Project:	MSW LANDFILL	**Collection Date:**	10/19/2006
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TC**
1,2-Dichloroethane	ND	µg/L		NA	1.0	10/21/2006 1:30:00 PM
1,1-Dichloroethene	ND	µg/L		NA	5.0	10/21/2006 1:30:00 PM
cis-1,2-Dichloroethene	ND	µg/L		NA	5.0	10/21/2006 1:30:00 PM
trans-1,2-Dichloroethene	ND	µg/L		NA	5.0	10/21/2006 1:30:00 PM
1,2-Dichloropropane	ND	µg/L		NA	1.0	10/21/2006 1:30:00 PM
cis-1,3-Dichloropropene	ND	µg/L		NA	1.0	10/21/2006 1:30:00 PM
trans-1,3-Dichloropropene	ND	µg/L		NA	1.0	10/21/2006 1:30:00 PM
Ethylbenzene	ND	µg/L		NA	5.0	10/21/2006 1:30:00 PM
2-Hexanone	ND	µg/L		NA	50.0	10/21/2006 1:30:00 PM
Iodomethane	ND	µg/L		NA	10	10/21/2006 1:30:00 PM
Methylene chloride	ND	µg/L		NA	5.0	10/21/2006 1:30:00 PM
4-Methyl-2-pentanone	ND	µg/L		NA	50.0	10/21/2006 1:30:00 PM
Styrene	ND	µg/L		NA	5.0	10/21/2006 1:30:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		NA	5.0	10/21/2006 1:30:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		NA	5.0	10/21/2006 1:30:00 PM
Tetrachloroethene	ND	µg/L		NA	1.0	10/21/2006 1:30:00 PM
Toluene	ND	µg/L		NA	5.0	10/21/2006 1:30:00 PM
1,1,1-Trichloroethane	ND	µg/L		NA	5.0	10/21/2006 1:30:00 PM
1,1,2-Trichloroethane	ND	µg/L		NA	5.0	10/21/2006 1:30:00 PM
Trichloroethene	ND	µg/L		NA	1.0	10/21/2006 1:30:00 PM
Trichlorofluoromethane	ND	µg/L		NA	5.0	10/21/2006 1:30:00 PM
1,2,3-Trichloropropane	ND	µg/L		NA	1.0	10/21/2006 1:30:00 PM
Vinyl acetate	ND	µg/L		NA	25.0	10/21/2006 1:30:00 PM
Vinyl chloride	ND	µg/L		NA	1.0	10/21/2006 1:30:00 PM
o-Xylene	ND	µg/L		NA	5.0	10/21/2006 1:30:00 PM
m,p-Xylene	ND	µg/L		NA	5.0	10/21/2006 1:30:00 PM
Surr: 1,2-Dichloroethane-d4	120	%REC	S	NA	80-120	10/21/2006 1:30:00 PM
Surr: 4-Bromofluorobenzene	99	%REC		NA	86-115	10/21/2006 1:30:00 PM
Surr: Dibromofluoromethane	120	%REC		NA	80-120	10/21/2006 1:30:00 PM
Surr: Toluene-d8	93	%REC		NA	88-110	10/21/2006 1:30:00 PM
TOTAL SUSPENDED SOLIDS			**SM2540 D**			Analyst: **SB**
Total Suspended Solids	6	mg/L	J	1	10	10/23/2006 10:20:00 AM

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 Compound

Qualifiers:

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

REI Consultants Inc.

Date: *13-Nov-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAGE	**WorkOrder:**	0610B92
Client Sample ID:	SW-2	**Lab ID:**	0610B92-17A
Project:	MSW LANDFILL	**Collection Date:**	10/18/2006
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**		**/SW3020A**	Analyst: **BP**
Antimony	ND	mg/L		NA	0.0300	11/12/2006 5:22:30 PM
Arsenic	ND	mg/L		NA	0.0100	11/12/2006 5:22:30 PM
Barium	ND	mg/L		NA	0.500	11/12/2006 5:22:30 PM
Beryllium	ND	mg/L		NA	0.0020	11/12/2006 5:22:30 PM
Cadmium	ND	mg/L		NA	0.0010	11/12/2006 5:22:30 PM
Chromium	ND	mg/L		NA	0.0100	11/12/2006 5:22:30 PM
Cobalt	ND	mg/L		NA	0.0100	11/12/2006 5:22:30 PM
Copper	ND	mg/L		NA	0.200	11/12/2006 5:22:30 PM
Lead	ND	mg/L		NA	0.0100	11/12/2006 5:22:30 PM
Nickel	ND	mg/L		NA	0.0500	11/12/2006 5:22:30 PM
Selenium	ND	mg/L		NA	0.0200	11/12/2006 5:22:30 PM
Silver	ND	mg/L		NA	0.0100	11/12/2006 5:22:30 PM
Thallium	ND	mg/L		NA	0.0100	11/12/2006 5:22:30 PM
Vanadium	ND	mg/L		NA	0.0400	11/12/2006 5:22:30 PM
Zinc	ND	mg/L		NA	0.0500	11/12/2006 5:22:30 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TC**
Acetone	ND	µg/L		NA	50.0	10/21/2006 2:03:00 PM
Acrylonitrile	ND	µg/L		NA	25.0	10/21/2006 2:03:00 PM
Benzene	ND	µg/L		NA	1.0	10/21/2006 2:03:00 PM
Bromochloromethane	ND	µg/L		NA	5.0	10/21/2006 2:03:00 PM
Bromodichloromethane	ND	µg/L		NA	1.0	10/21/2006 2:03:00 PM
Bromoform	ND	µg/L		NA	1.0	10/21/2006 2:03:00 PM
Bromomethane	ND	µg/L		NA	5.0	10/21/2006 2:03:00 PM
2-Butanone	ND	µg/L		NA	50.0	10/21/2006 2:03:00 PM
Carbon disulfide	ND	µg/L		NA	25.0	10/21/2006 2:03:00 PM
Carbon tetrachloride	ND	µg/L		NA	1.0	10/21/2006 2:03:00 PM
Chlorobenzene	ND	µg/L		NA	5.0	10/21/2006 2:03:00 PM
Chloroethane	ND	µg/L		NA	5.0	10/21/2006 2:03:00 PM
Chloroform	ND	µg/L		NA	1.0	10/21/2006 2:03:00 PM
Chloromethane	ND	µg/L		NA	1.0	10/21/2006 2:03:00 PM
Dibromochloromethane	ND	µg/L		NA	5.0	10/21/2006 2:03:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		NA	1.0	10/21/2006 2:03:00 PM
1,2-Dibromoethane	ND	µg/L		NA	1.0	10/21/2006 2:03:00 PM
Dibromomethane	ND	µg/L		NA	5.0	10/21/2006 2:03:00 PM
1,2-Dichlorobenzene	ND	µg/L		NA	5.0	10/21/2006 2:03:00 PM
1,4-Dichlorobenzene	ND	µg/L		NA	5.0	10/21/2006 2:03:00 PM
trans-1,4-Dichloro-2-butene	ND	µg/L		NA	50.0	10/21/2006 2:03:00 PM
1,1-Dichloroethane	ND	µg/L		NA	5.0	10/21/2006 2:03:00 PM

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 Compound

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

REI Consultants Inc.

Date: *13-Nov-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAGE	**WorkOrder:**	0610B92
Client Sample ID:	SW-2	**Lab ID:**	0610B92-17A
Project:	MSW LANDFILL	**Collection Date:**	10/18/2006
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TC**
1,2-Dichloroethane	ND	µg/L		NA	1.0	10/21/2006 2:03:00 PM
1,1-Dichloroethene	ND	µg/L		NA	5.0	10/21/2006 2:03:00 PM
cis-1,2-Dichloroethene	ND	µg/L		NA	5.0	10/21/2006 2:03:00 PM
trans-1,2-Dichloroethene	ND	µg/L		NA	5.0	10/21/2006 2:03:00 PM
1,2-Dichloropropane	ND	µg/L		NA	1.0	10/21/2006 2:03:00 PM
cis-1,3-Dichloropropene	ND	µg/L		NA	1.0	10/21/2006 2:03:00 PM
trans-1,3-Dichloropropene	ND	µg/L		NA	1.0	10/21/2006 2:03:00 PM
Ethylbenzene	ND	µg/L		NA	5.0	10/21/2006 2:03:00 PM
2-Hexanone	ND	µg/L		NA	50.0	10/21/2006 2:03:00 PM
Iodomethane	ND	µg/L		NA	10	10/21/2006 2:03:00 PM
Methylene chloride	ND	µg/L		NA	5.0	10/21/2006 2:03:00 PM
4-Methyl-2-pentanone	ND	µg/L		NA	50.0	10/21/2006 2:03:00 PM
Styrene	ND	µg/L		NA	5.0	10/21/2006 2:03:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		NA	5.0	10/21/2006 2:03:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		NA	5.0	10/21/2006 2:03:00 PM
Tetrachloroethene	ND	µg/L		NA	1.0	10/21/2006 2:03:00 PM
Toluene	ND	µg/L		NA	5.0	10/21/2006 2:03:00 PM
1,1,1-Trichloroethane	ND	µg/L		NA	5.0	10/21/2006 2:03:00 PM
1,1,2-Trichloroethane	ND	µg/L		NA	5.0	10/21/2006 2:03:00 PM
Trichloroethene	ND	µg/L		NA	1.0	10/21/2006 2:03:00 PM
Trichlorofluoromethane	ND	µg/L		NA	5.0	10/21/2006 2:03:00 PM
1,2,3-Trichloropropane	ND	µg/L		NA	1.0	10/21/2006 2:03:00 PM
Vinyl acetate	ND	µg/L		NA	25.0	10/21/2006 2:03:00 PM
Vinyl chloride	ND	µg/L		NA	1.0	10/21/2006 2:03:00 PM
o-Xylene	ND	µg/L		NA	5.0	10/21/2006 2:03:00 PM
m,p-Xylene	ND	µg/L		NA	5.0	10/21/2006 2:03:00 PM
Surr: 1,2-Dichloroethane-d4	115	%REC		NA	80-120	10/21/2006 2:03:00 PM
Surr: 4-Bromofluorobenzene	101	%REC		NA	86-115	10/21/2006 2:03:00 PM
Surr: Dibromofluoromethane	111	%REC		NA	80-120	10/21/2006 2:03:00 PM
Surr: Toluene-d8	93	%REC		NA	88-110	10/21/2006 2:03:00 PM
TOTAL SUSPENDED SOLIDS			**SM2540 D**			Analyst: **SB**
Total Suspended Solids	14	mg/L		1	10	10/23/2006 10:20:00 AM

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 Compound

Qualifiers:

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

REI Consultants Inc.

Date: *13-Nov-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAGE	**WorkOrder:**	0610B92
Client Sample ID:	SW-3	**Lab ID:**	0610B92-18A
Project:	MSW LANDFILL	**Collection Date:**	10/18/2006
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**		**/SW3020A**	Analyst: **BP**
Antimony	ND	mg/L		NA	0.0300	11/12/2006 5:44:52 PM
Arsenic	ND	mg/L		NA	0.0100	11/12/2006 5:44:52 PM
Barium	ND	mg/L		NA	0.500	11/12/2006 5:44:52 PM
Beryllium	ND	mg/L		NA	0.0020	11/12/2006 5:44:52 PM
Cadmium	ND	mg/L		NA	0.0010	11/12/2006 5:44:52 PM
Chromium	ND	mg/L		NA	0.0100	11/12/2006 5:44:52 PM
Cobalt	ND	mg/L		NA	0.0100	11/12/2006 5:44:52 PM
Copper	ND	mg/L		NA	0.200	11/12/2006 5:44:52 PM
Lead	ND	mg/L		NA	0.0100	11/12/2006 5:44:52 PM
Nickel	ND	mg/L		NA	0.0500	11/12/2006 5:44:52 PM
Selenium	ND	mg/L		NA	0.0200	11/12/2006 5:44:52 PM
Silver	ND	mg/L		NA	0.0100	11/12/2006 5:44:52 PM
Thallium	ND	mg/L		NA	0.0100	11/12/2006 5:44:52 PM
Vanadium	ND	mg/L		NA	0.0400	11/12/2006 5:44:52 PM
Zinc	ND	mg/L		NA	0.0500	11/12/2006 5:44:52 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TC**
Acetone	ND	µg/L		NA	50.0	10/23/2006 11:01:00 PM
Acrylonitrile	ND	µg/L		NA	25.0	10/23/2006 11:01:00 PM
Benzene	ND	µg/L		NA	1.0	10/23/2006 11:01:00 PM
Bromochloromethane	ND	µg/L		NA	5.0	10/23/2006 11:01:00 PM
Bromodichloromethane	ND	µg/L		NA	1.0	10/23/2006 11:01:00 PM
Bromoform	ND	µg/L		NA	1.0	10/23/2006 11:01:00 PM
Bromomethane	ND	µg/L		NA	5.0	10/23/2006 11:01:00 PM
2-Butanone	ND	µg/L		NA	50.0	10/23/2006 11:01:00 PM
Carbon disulfide	ND	µg/L		NA	25.0	10/23/2006 11:01:00 PM
Carbon tetrachloride	ND	µg/L		NA	1.0	10/23/2006 11:01:00 PM
Chlorobenzene	ND	µg/L		NA	5.0	10/23/2006 11:01:00 PM
Chloroethane	ND	µg/L		NA	5.0	10/23/2006 11:01:00 PM
Chloroform	ND	µg/L		NA	1.0	10/23/2006 11:01:00 PM
Chloromethane	ND	µg/L		NA	1.0	10/23/2006 11:01:00 PM
Dibromochloromethane	ND	µg/L		NA	5.0	10/23/2006 11:01:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		NA	1.0	10/23/2006 11:01:00 PM
1,2-Dibromoethane	ND	µg/L		NA	1.0	10/23/2006 11:01:00 PM
Dibromomethane	ND	µg/L		NA	5.0	10/23/2006 11:01:00 PM
1,2-Dichlorobenzene	ND	µg/L		NA	5.0	10/23/2006 11:01:00 PM
1,4-Dichlorobenzene	ND	µg/L		NA	5.0	10/23/2006 11:01:00 PM
trans-1,4-Dichloro-2-butene	ND	µg/L		NA	50.0	10/23/2006 11:01:00 PM
1,1-Dichloroethane	ND	µg/L		NA	5.0	10/23/2006 11:01:00 PM

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 Compound

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

REI Consultants Inc.

Date: *13-Nov-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAGE	**WorkOrder:**	0610B92
Client Sample ID:	SW-3	**Lab ID:**	0610B92-18A
Project:	MSW LANDFILL	**Collection Date:**	10/18/2006
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TC**
1,2-Dichloroethane	ND	µg/L		NA	1.0	10/23/2006 11:01:00 PM
1,1-Dichloroethene	ND	µg/L		NA	5.0	10/23/2006 11:01:00 PM
cis-1,2-Dichloroethene	ND	µg/L		NA	5.0	10/23/2006 11:01:00 PM
trans-1,2-Dichloroethene	ND	µg/L		NA	5.0	10/23/2006 11:01:00 PM
1,2-Dichloropropane	ND	µg/L		NA	1.0	10/23/2006 11:01:00 PM
cis-1,3-Dichloropropene	ND	µg/L		NA	1.0	10/23/2006 11:01:00 PM
trans-1,3-Dichloropropene	ND	µg/L		NA	1.0	10/23/2006 11:01:00 PM
Ethylbenzene	ND	µg/L		NA	5.0	10/23/2006 11:01:00 PM
2-Hexanone	ND	µg/L		NA	50.0	10/23/2006 11:01:00 PM
Iodomethane	ND	µg/L		NA	10	10/23/2006 11:01:00 PM
Methylene chloride	ND	µg/L		NA	5.0	10/23/2006 11:01:00 PM
4-Methyl-2-pentanone	ND	µg/L		NA	50.0	10/23/2006 11:01:00 PM
Styrene	ND	µg/L		NA	5.0	10/23/2006 11:01:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		NA	5.0	10/23/2006 11:01:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		NA	5.0	10/23/2006 11:01:00 PM
Tetrachloroethene	ND	µg/L		NA	1.0	10/23/2006 11:01:00 PM
Toluene	ND	µg/L		NA	5.0	10/23/2006 11:01:00 PM
1,1,1-Trichloroethane	ND	µg/L		NA	5.0	10/23/2006 11:01:00 PM
1,1,2-Trichloroethane	ND	µg/L		NA	5.0	10/23/2006 11:01:00 PM
Trichloroethene	ND	µg/L		NA	1.0	10/23/2006 11:01:00 PM
Trichlorofluoromethane	ND	µg/L		NA	5.0	10/23/2006 11:01:00 PM
1,2,3-Trichloropropane	ND	µg/L		NA	1.0	10/23/2006 11:01:00 PM
Vinyl acetate	ND	µg/L		NA	25.0	10/23/2006 11:01:00 PM
Vinyl chloride	ND	µg/L		NA	1.0	10/23/2006 11:01:00 PM
o-Xylene	ND	µg/L		NA	5.0	10/23/2006 11:01:00 PM
m,p-Xylene	ND	µg/L		NA	5.0	10/23/2006 11:01:00 PM
Surr: 1,2-Dichloroethane-d4	113	%REC		NA	80-120	10/23/2006 11:01:00 PM
Surr: 4-Bromofluorobenzene	101	%REC		NA	86-115	10/23/2006 11:01:00 PM
Surr: Dibromofluoromethane	114	%REC		NA	80-120	10/23/2006 11:01:00 PM
Surr: Toluene-d8	89	%REC		NA	88-110	10/23/2006 11:01:00 PM
TOTAL SUSPENDED SOLIDS			**SM2540 D**			Analyst: **SB**
Total Suspended Solids	7	mg/L	J	1	10	10/23/2006 10:20:00 AM

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 Compound

Qualifiers:

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

REI Consultants Inc.

Date: *13-Nov-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAGE	**WorkOrder:**	0610B92
Client Sample ID:	SW-4	**Lab ID:**	0610B92-19A
Project:	MSW LANDFILL	**Collection Date:**	10/19/2006
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**		**/SW3020A**	Analyst: **BP**
Antimony	ND	mg/L		NA	0.0300	11/12/2006 5:50:26 PM
Arsenic	ND	mg/L		NA	0.0100	11/12/2006 5:50:26 PM
Barium	ND	mg/L		NA	0.500	11/12/2006 5:50:26 PM
Beryllium	ND	mg/L		NA	0.0020	11/12/2006 5:50:26 PM
Cadmium	ND	mg/L		NA	0.0010	11/12/2006 5:50:26 PM
Chromium	ND	mg/L		NA	0.0100	11/12/2006 5:50:26 PM
Cobalt	ND	mg/L		NA	0.0100	11/12/2006 5:50:26 PM
Copper	ND	mg/L		NA	0.200	11/12/2006 5:50:26 PM
Lead	ND	mg/L		NA	0.0100	11/12/2006 5:50:26 PM
Nickel	ND	mg/L		NA	0.0500	11/12/2006 5:50:26 PM
Selenium	ND	mg/L		NA	0.0200	11/12/2006 5:50:26 PM
Silver	ND	mg/L		NA	0.0100	11/12/2006 5:50:26 PM
Thallium	ND	mg/L		NA	0.0100	11/12/2006 5:50:26 PM
Vanadium	ND	mg/L		NA	0.0400	11/12/2006 5:50:26 PM
Zinc	ND	mg/L		NA	0.0500	11/12/2006 5:50:26 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TC**
Acetone	ND	µg/L		NA	50.0	10/23/2006 11:34:00 PM
Acrylonitrile	ND	µg/L		NA	25.0	10/23/2006 11:34:00 PM
Benzene	ND	µg/L		NA	1.0	10/23/2006 11:34:00 PM
Bromochloromethane	ND	µg/L		NA	5.0	10/23/2006 11:34:00 PM
Bromodichloromethane	ND	µg/L		NA	1.0	10/23/2006 11:34:00 PM
Bromoform	ND	µg/L		NA	1.0	10/23/2006 11:34:00 PM
Bromomethane	ND	µg/L		NA	5.0	10/23/2006 11:34:00 PM
2-Butanone	ND	µg/L		NA	50.0	10/23/2006 11:34:00 PM
Carbon disulfide	ND	µg/L		NA	25.0	10/23/2006 11:34:00 PM
Carbon tetrachloride	ND	µg/L		NA	1.0	10/23/2006 11:34:00 PM
Chlorobenzene	ND	µg/L		NA	5.0	10/23/2006 11:34:00 PM
Chloroethane	ND	µg/L		NA	5.0	10/23/2006 11:34:00 PM
Chloroform	ND	µg/L		NA	1.0	10/23/2006 11:34:00 PM
Chloromethane	ND	µg/L		NA	1.0	10/23/2006 11:34:00 PM
Dibromochloromethane	ND	µg/L		NA	5.0	10/23/2006 11:34:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		NA	1.0	10/23/2006 11:34:00 PM
1,2-Dibromoethane	ND	µg/L		NA	1.0	10/23/2006 11:34:00 PM
Dibromomethane	ND	µg/L		NA	5.0	10/23/2006 11:34:00 PM
1,2-Dichlorobenzene	ND	µg/L		NA	5.0	10/23/2006 11:34:00 PM
1,4-Dichlorobenzene	ND	µg/L		NA	5.0	10/23/2006 11:34:00 PM
trans-1,4-Dichloro-2-butene	ND	µg/L		NA	50.0	10/23/2006 11:34:00 PM
1,1-Dichloroethane	ND	µg/L		NA	5.0	10/23/2006 11:34:00 PM

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 Compound

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

REI Consultants Inc.

Date: *13-Nov-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAGE	**WorkOrder:**	0610B92
Client Sample ID:	SW-4	**Lab ID:**	0610B92-19A
Project:	MSW LANDFILL	**Collection Date:**	10/19/2006
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TC**
1,2-Dichloroethane	ND	µg/L		NA	1.0	10/23/2006 11:34:00 PM
1,1-Dichloroethene	ND	µg/L		NA	5.0	10/23/2006 11:34:00 PM
cis-1,2-Dichloroethene	ND	µg/L		NA	5.0	10/23/2006 11:34:00 PM
trans-1,2-Dichloroethene	ND	µg/L		NA	5.0	10/23/2006 11:34:00 PM
1,2-Dichloropropane	ND	µg/L		NA	1.0	10/23/2006 11:34:00 PM
cis-1,3-Dichloropropene	ND	µg/L		NA	1.0	10/23/2006 11:34:00 PM
trans-1,3-Dichloropropene	ND	µg/L		NA	1.0	10/23/2006 11:34:00 PM
Ethylbenzene	ND	µg/L		NA	5.0	10/23/2006 11:34:00 PM
2-Hexanone	ND	µg/L		NA	50.0	10/23/2006 11:34:00 PM
Iodomethane	ND	µg/L		NA	10	10/23/2006 11:34:00 PM
Methylene chloride	ND	µg/L		NA	5.0	10/23/2006 11:34:00 PM
4-Methyl-2-pentanone	ND	µg/L		NA	50.0	10/23/2006 11:34:00 PM
Styrene	ND	µg/L		NA	5.0	10/23/2006 11:34:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		NA	5.0	10/23/2006 11:34:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		NA	5.0	10/23/2006 11:34:00 PM
Tetrachloroethene	ND	µg/L		NA	1.0	10/23/2006 11:34:00 PM
Toluene	ND	µg/L		NA	5.0	10/23/2006 11:34:00 PM
1,1,1-Trichloroethane	ND	µg/L		NA	5.0	10/23/2006 11:34:00 PM
1,1,2-Trichloroethane	ND	µg/L		NA	5.0	10/23/2006 11:34:00 PM
Trichloroethene	ND	µg/L		NA	1.0	10/23/2006 11:34:00 PM
Trichlorofluoromethane	ND	µg/L		NA	5.0	10/23/2006 11:34:00 PM
1,2,3-Trichloropropane	ND	µg/L		NA	1.0	10/23/2006 11:34:00 PM
Vinyl acetate	ND	µg/L		NA	25.0	10/23/2006 11:34:00 PM
Vinyl chloride	ND	µg/L		NA	1.0	10/23/2006 11:34:00 PM
o-Xylene	ND	µg/L		NA	5.0	10/23/2006 11:34:00 PM
m,p-Xylene	ND	µg/L		NA	5.0	10/23/2006 11:34:00 PM
Surr: 1,2-Dichloroethane-d4	117	%REC		NA	80-120	10/23/2006 11:34:00 PM
Surr: 4-Bromofluorobenzene	98	%REC		NA	86-115	10/23/2006 11:34:00 PM
Surr: Dibromofluoromethane	116	%REC		NA	80-120	10/23/2006 11:34:00 PM
Surr: Toluene-d8	88	%REC		NA	88-110	10/23/2006 11:34:00 PM
TOTAL SUSPENDED SOLIDS			**SM2540 D**			Analyst: **SB**
Total Suspended Solids	5	mg/L	J	1	10	10/23/2006 10:20:00 AM

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 Compound

Qualifiers:

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

REI Consultants Inc.

Date: *13-Nov-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAGE	**WorkOrder:**	0610B92
Client Sample ID:	MW-18 DUPE	**Lab ID:**	0610B92-20A
Project:	MSW LANDFILL	**Collection Date:**	10/18/2006
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**		**/SW3020A**	Analyst: **BP**
Antimony	ND	mg/L		NA	0.0300	11/12/2006 5:56:00 PM
Arsenic	ND	mg/L		NA	0.0100	11/12/2006 5:56:00 PM
Barium	ND	mg/L		NA	0.500	11/12/2006 5:56:00 PM
Beryllium	ND	mg/L		NA	0.0020	11/12/2006 5:56:00 PM
Cadmium	ND	mg/L		NA	0.0010	11/12/2006 5:56:00 PM
Chromium	0.0129	mg/L		NA	0.0100	11/12/2006 5:56:00 PM
Cobalt	ND	mg/L		NA	0.0100	11/12/2006 5:56:00 PM
Copper	ND	mg/L		NA	0.200	11/12/2006 5:56:00 PM
Lead	ND	mg/L		NA	0.0100	11/12/2006 5:56:00 PM
Nickel	ND	mg/L		NA	0.0500	11/12/2006 5:56:00 PM
Selenium	ND	mg/L		NA	0.0200	11/12/2006 5:56:00 PM
Silver	ND	mg/L		NA	0.0100	11/12/2006 5:56:00 PM
Thallium	ND	mg/L		NA	0.0100	11/12/2006 5:56:00 PM
Vanadium	ND	mg/L		NA	0.0400	11/12/2006 5:56:00 PM
Zinc	0.0599	mg/L		NA	0.0500	11/12/2006 5:56:00 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TC**
Acetone	ND	µg/L		NA	50.0	10/24/2006 12:08:00 AM
Acrylonitrile	ND	µg/L		NA	25.0	10/24/2006 12:08:00 AM
Benzene	ND	µg/L		NA	1.0	10/24/2006 12:08:00 AM
Bromochloromethane	ND	µg/L		NA	5.0	10/24/2006 12:08:00 AM
Bromodichloromethane	ND	µg/L		NA	1.0	10/24/2006 12:08:00 AM
Bromoform	ND	µg/L		NA	1.0	10/24/2006 12:08:00 AM
Bromomethane	ND	µg/L		NA	5.0	10/24/2006 12:08:00 AM
2-Butanone	ND	µg/L		NA	50.0	10/24/2006 12:08:00 AM
Carbon disulfide	ND	µg/L		NA	25.0	10/24/2006 12:08:00 AM
Carbon tetrachloride	ND	µg/L		NA	1.0	10/24/2006 12:08:00 AM
Chlorobenzene	ND	µg/L		NA	5.0	10/24/2006 12:08:00 AM
Chloroethane	ND	µg/L		NA	5.0	10/24/2006 12:08:00 AM
Chloroform	ND	µg/L		NA	1.0	10/24/2006 12:08:00 AM
Chloromethane	ND	µg/L		NA	1.0	10/24/2006 12:08:00 AM
Dibromochloromethane	ND	µg/L		NA	5.0	10/24/2006 12:08:00 AM
1,2-Dibromo-3-chloropropane	ND	µg/L		NA	1.0	10/24/2006 12:08:00 AM
1,2-Dibromoethane	ND	µg/L		NA	1.0	10/24/2006 12:08:00 AM
Dibromomethane	ND	µg/L		NA	5.0	10/24/2006 12:08:00 AM
1,2-Dichlorobenzene	ND	µg/L		NA	5.0	10/24/2006 12:08:00 AM
1,4-Dichlorobenzene	ND	µg/L		NA	5.0	10/24/2006 12:08:00 AM
trans-1,4-Dichloro-2-butene	ND	µg/L		NA	50.0	10/24/2006 12:08:00 AM
1,1-Dichloroethane	ND	µg/L		NA	5.0	10/24/2006 12:08:00 AM

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 Compound

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

REI Consultants Inc.

Date: *13-Nov-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAGE	**WorkOrder:**	0610B92
Client Sample ID:	MW-18 DUPE	**Lab ID:**	0610B92-20A
Project:	MSW LANDFILL	**Collection Date:**	10/18/2006
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TC**
1,2-Dichloroethane	ND	µg/L		NA	1.0	10/24/2006 12:08:00 AM
1,1-Dichloroethene	ND	µg/L		NA	5.0	10/24/2006 12:08:00 AM
cis-1,2-Dichloroethene	ND	µg/L		NA	5.0	10/24/2006 12:08:00 AM
trans-1,2-Dichloroethene	ND	µg/L		NA	5.0	10/24/2006 12:08:00 AM
1,2-Dichloropropane	ND	µg/L		NA	1.0	10/24/2006 12:08:00 AM
cis-1,3-Dichloropropene	ND	µg/L		NA	1.0	10/24/2006 12:08:00 AM
trans-1,3-Dichloropropene	ND	µg/L		NA	1.0	10/24/2006 12:08:00 AM
Ethylbenzene	ND	µg/L		NA	5.0	10/24/2006 12:08:00 AM
2-Hexanone	ND	µg/L		NA	50.0	10/24/2006 12:08:00 AM
Iodomethane	ND	µg/L		NA	10	10/24/2006 12:08:00 AM
Methylene chloride	ND	µg/L		NA	5.0	10/24/2006 12:08:00 AM
4-Methyl-2-pentanone	ND	µg/L		NA	50.0	10/24/2006 12:08:00 AM
Styrene	ND	µg/L		NA	5.0	10/24/2006 12:08:00 AM
1,1,1,2-Tetrachloroethane	ND	µg/L		NA	5.0	10/24/2006 12:08:00 AM
1,1,2,2-Tetrachloroethane	ND	µg/L		NA	5.0	10/24/2006 12:08:00 AM
Tetrachloroethene	ND	µg/L		NA	1.0	10/24/2006 12:08:00 AM
Toluene	ND	µg/L		NA	5.0	10/24/2006 12:08:00 AM
1,1,1-Trichloroethane	ND	µg/L		NA	5.0	10/24/2006 12:08:00 AM
1,1,2-Trichloroethane	ND	µg/L		NA	5.0	10/24/2006 12:08:00 AM
Trichloroethene	ND	µg/L		NA	1.0	10/24/2006 12:08:00 AM
Trichlorofluoromethane	ND	µg/L		NA	5.0	10/24/2006 12:08:00 AM
1,2,3-Trichloropropane	ND	µg/L		NA	1.0	10/24/2006 12:08:00 AM
Vinyl acetate	ND	µg/L		NA	25.0	10/24/2006 12:08:00 AM
Vinyl chloride	ND	µg/L		NA	1.0	10/24/2006 12:08:00 AM
o-Xylene	ND	µg/L		NA	5.0	10/24/2006 12:08:00 AM
m,p-Xylene	ND	µg/L		NA	5.0	10/24/2006 12:08:00 AM
Surr: 1,2-Dichloroethane-d4	118	%REC		NA	80-120	10/24/2006 12:08:00 AM
Surr: 4-Bromofluorobenzene	102	%REC		NA	86-115	10/24/2006 12:08:00 AM
Surr: Dibromofluoromethane	119	%REC		NA	80-120	10/24/2006 12:08:00 AM
Surr: Toluene-d8	86	%REC	S	NA	88-110	10/24/2006 12:08:00 AM
TOTAL SUSPENDED SOLIDS			**SM2540 D**			Analyst: **SB**
Total Suspended Solids	765	mg/L		1	10	10/23/2006 10:20:00 AM

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 Compound

Qualifiers:

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

REI Consultants Inc.

Date: *13-Nov-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAGE	**WorkOrder:**	0610B92
Client Sample ID:	MW-21 DUPE	**Lab ID:**	0610B92-21A
Project:	MSW LANDFILL	**Collection Date:**	10/19/2006
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**		**/SW3020A**	Analyst: **BP**
Antimony	ND	mg/L		NA	0.0300	11/12/2006 6:18:22 PM
Arsenic	ND	mg/L		NA	0.0100	11/12/2006 6:18:22 PM
Barium	ND	mg/L		NA	0.500	11/12/2006 6:18:22 PM
Beryllium	ND	mg/L		NA	0.0020	11/12/2006 6:18:22 PM
Cadmium	ND	mg/L		NA	0.0010	11/12/2006 6:18:22 PM
Chromium	ND	mg/L		NA	0.0100	11/12/2006 6:18:22 PM
Cobalt	0.0106	mg/L		NA	0.0100	11/12/2006 6:18:22 PM
Copper	ND	mg/L		NA	0.200	11/12/2006 6:18:22 PM
Lead	ND	mg/L		NA	0.0100	11/12/2006 6:18:22 PM
Nickel	ND	mg/L		NA	0.0500	11/12/2006 6:18:22 PM
Selenium	ND	mg/L		NA	0.0200	11/12/2006 6:18:22 PM
Silver	ND	mg/L		NA	0.0100	11/12/2006 6:18:22 PM
Thallium	ND	mg/L		NA	0.0100	11/12/2006 6:18:22 PM
Vanadium	ND	mg/L		NA	0.0400	11/12/2006 6:18:22 PM
Zinc	ND	mg/L		NA	0.0500	11/12/2006 6:18:22 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TC**
Acetone	ND	µg/L		NA	50.0	10/24/2006 2:20:00 AM
Acrylonitrile	ND	µg/L		NA	25.0	10/24/2006 2:20:00 AM
Benzene	ND	µg/L		NA	1.0	10/24/2006 2:20:00 AM
Bromochloromethane	ND	µg/L		NA	5.0	10/24/2006 2:20:00 AM
Bromodichloromethane	ND	µg/L		NA	1.0	10/24/2006 2:20:00 AM
Bromoform	ND	µg/L		NA	1.0	10/24/2006 2:20:00 AM
Bromomethane	ND	µg/L		NA	5.0	10/24/2006 2:20:00 AM
2-Butanone	ND	µg/L		NA	50.0	10/24/2006 2:20:00 AM
Carbon disulfide	ND	µg/L		NA	25.0	10/24/2006 2:20:00 AM
Carbon tetrachloride	ND	µg/L		NA	1.0	10/24/2006 2:20:00 AM
Chlorobenzene	ND	µg/L		NA	5.0	10/24/2006 2:20:00 AM
Chloroethane	ND	µg/L		NA	5.0	10/24/2006 2:20:00 AM
Chloroform	ND	µg/L		NA	1.0	10/24/2006 2:20:00 AM
Chloromethane	ND	µg/L		NA	1.0	10/24/2006 2:20:00 AM
Dibromochloromethane	ND	µg/L		NA	5.0	10/24/2006 2:20:00 AM
1,2-Dibromo-3-chloropropane	ND	µg/L		NA	1.0	10/24/2006 2:20:00 AM
1,2-Dibromoethane	ND	µg/L		NA	1.0	10/24/2006 2:20:00 AM
Dibromomethane	ND	µg/L		NA	5.0	10/24/2006 2:20:00 AM
1,2-Dichlorobenzene	ND	µg/L		NA	5.0	10/24/2006 2:20:00 AM
1,4-Dichlorobenzene	ND	µg/L		NA	5.0	10/24/2006 2:20:00 AM
trans-1,4-Dichloro-2-butene	ND	µg/L		NA	50.0	10/24/2006 2:20:00 AM
1,1-Dichloroethane	ND	µg/L		NA	5.0	10/24/2006 2:20:00 AM

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 Compound

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

REI Consultants Inc.

Date: *13-Nov-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAGE	**WorkOrder:**	0610B92
Client Sample ID:	MW-21 DUPE	**Lab ID:**	0610B92-21A
Project:	MSW LANDFILL	**Collection Date:**	10/19/2006
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TC**
1,2-Dichloroethane	ND	µg/L		NA	1.0	10/24/2006 2:20:00 AM
1,1-Dichloroethene	ND	µg/L		NA	5.0	10/24/2006 2:20:00 AM
cis-1,2-Dichloroethene	ND	µg/L		NA	5.0	10/24/2006 2:20:00 AM
trans-1,2-Dichloroethene	ND	µg/L		NA	5.0	10/24/2006 2:20:00 AM
1,2-Dichloropropane	ND	µg/L		NA	1.0	10/24/2006 2:20:00 AM
cis-1,3-Dichloropropene	ND	µg/L		NA	1.0	10/24/2006 2:20:00 AM
trans-1,3-Dichloropropene	ND	µg/L		NA	1.0	10/24/2006 2:20:00 AM
Ethylbenzene	ND	µg/L		NA	5.0	10/24/2006 2:20:00 AM
2-Hexanone	ND	µg/L		NA	50.0	10/24/2006 2:20:00 AM
Iodomethane	ND	µg/L		NA	10	10/24/2006 2:20:00 AM
Methylene chloride	ND	µg/L		NA	5.0	10/24/2006 2:20:00 AM
4-Methyl-2-pentanone	ND	µg/L		NA	50.0	10/24/2006 2:20:00 AM
Styrene	ND	µg/L		NA	5.0	10/24/2006 2:20:00 AM
1,1,1,2-Tetrachloroethane	ND	µg/L		NA	5.0	10/24/2006 2:20:00 AM
1,1,2,2-Tetrachloroethane	ND	µg/L		NA	5.0	10/24/2006 2:20:00 AM
Tetrachloroethene	ND	µg/L		NA	1.0	10/24/2006 2:20:00 AM
Toluene	ND	µg/L		NA	5.0	10/24/2006 2:20:00 AM
1,1,1-Trichloroethane	ND	µg/L		NA	5.0	10/24/2006 2:20:00 AM
1,1,2-Trichloroethane	ND	µg/L		NA	5.0	10/24/2006 2:20:00 AM
Trichloroethene	ND	µg/L		NA	1.0	10/24/2006 2:20:00 AM
Trichlorofluoromethane	ND	µg/L		NA	5.0	10/24/2006 2:20:00 AM
1,2,3-Trichloropropane	ND	µg/L		NA	1.0	10/24/2006 2:20:00 AM
Vinyl acetate	ND	µg/L		NA	25.0	10/24/2006 2:20:00 AM
Vinyl chloride	ND	µg/L		NA	1.0	10/24/2006 2:20:00 AM
o-Xylene	ND	µg/L		NA	5.0	10/24/2006 2:20:00 AM
m,p-Xylene	ND	µg/L		NA	5.0	10/24/2006 2:20:00 AM
Surr: 1,2-Dichloroethane-d4	117	%REC		NA	80-120	10/24/2006 2:20:00 AM
Surr: 4-Bromofluorobenzene	100	%REC		NA	86-115	10/24/2006 2:20:00 AM
Surr: Dibromofluoromethane	115	%REC		NA	80-120	10/24/2006 2:20:00 AM
Surr: Toluene-d8	87	%REC	S	NA	88-110	10/24/2006 2:20:00 AM
TOTAL SUSPENDED SOLIDS			**SM2540 D**			Analyst: **SB**
Total Suspended Solids	42	mg/L		1	10	10/23/2006 10:55:00 AM

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 Compound

Qualifiers:

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

REI Consultants Inc.

Date: *13-Nov-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAGE	**WorkOrder:**	0610B92
Client Sample ID:	TRIP BLANK #2	**Lab ID:**	0610B92-22A
Project:	MSW LANDFILL	**Collection Date:**	10/19/2006
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TC**
Acetone	ND	µg/L		NA	50.0	10/24/2006 2:52:00 AM
Acrylonitrile	ND	µg/L		NA	25.0	10/24/2006 2:52:00 AM
Benzene	ND	µg/L		NA	1.0	10/24/2006 2:52:00 AM
Bromochloromethane	ND	µg/L		NA	5.0	10/24/2006 2:52:00 AM
Bromodichloromethane	ND	µg/L		NA	1.0	10/24/2006 2:52:00 AM
Bromoform	ND	µg/L		NA	1.0	10/24/2006 2:52:00 AM
Bromomethane	ND	µg/L		NA	5.0	10/24/2006 2:52:00 AM
2-Butanone	ND	µg/L		NA	50.0	10/24/2006 2:52:00 AM
Carbon disulfide	ND	µg/L		NA	25.0	10/24/2006 2:52:00 AM
Carbon tetrachloride	ND	µg/L		NA	1.0	10/24/2006 2:52:00 AM
Chlorobenzene	ND	µg/L		NA	5.0	10/24/2006 2:52:00 AM
Chloroethane	ND	µg/L		NA	5.0	10/24/2006 2:52:00 AM
Chloroform	ND	µg/L		NA	1.0	10/24/2006 2:52:00 AM
Chloromethane	ND	µg/L		NA	1.0	10/24/2006 2:52:00 AM
Dibromochloromethane	ND	µg/L		NA	5.0	10/24/2006 2:52:00 AM
1,2-Dibromo-3-chloropropane	ND	µg/L		NA	1.0	10/24/2006 2:52:00 AM
1,2-Dibromoethane	ND	µg/L		NA	1.0	10/24/2006 2:52:00 AM
Dibromomethane	ND	µg/L		NA	5.0	10/24/2006 2:52:00 AM
1,2-Dichlorobenzene	ND	µg/L		NA	5.0	10/24/2006 2:52:00 AM
1,4-Dichlorobenzene	ND	µg/L		NA	5.0	10/24/2006 2:52:00 AM
trans-1,4-Dichloro-2-butene	ND	µg/L		NA	50.0	10/24/2006 2:52:00 AM
1,1-Dichloroethane	ND	µg/L		NA	5.0	10/24/2006 2:52:00 AM
1,2-Dichloroethane	ND	µg/L		NA	1.0	10/24/2006 2:52:00 AM
1,1-Dichloroethene	ND	µg/L		NA	5.0	10/24/2006 2:52:00 AM
cis-1,2-Dichloroethene	ND	µg/L		NA	5.0	10/24/2006 2:52:00 AM
trans-1,2-Dichloroethene	ND	µg/L		NA	5.0	10/24/2006 2:52:00 AM
1,2-Dichloropropane	ND	µg/L		NA	1.0	10/24/2006 2:52:00 AM
cis-1,3-Dichloropropene	ND	µg/L		NA	1.0	10/24/2006 2:52:00 AM
trans-1,3-Dichloropropene	ND	µg/L		NA	1.0	10/24/2006 2:52:00 AM
Ethylbenzene	ND	µg/L		NA	5.0	10/24/2006 2:52:00 AM
2-Hexanone	ND	µg/L		NA	50.0	10/24/2006 2:52:00 AM
Iodomethane	ND	µg/L		NA	10	10/24/2006 2:52:00 AM
Methylene chloride	ND	µg/L		NA	5.0	10/24/2006 2:52:00 AM
4-Methyl-2-pentanone	ND	µg/L		NA	50.0	10/24/2006 2:52:00 AM
Styrene	ND	µg/L		NA	5.0	10/24/2006 2:52:00 AM
1,1,1,2-Tetrachloroethane	ND	µg/L		NA	5.0	10/24/2006 2:52:00 AM
1,1,2,2-Tetrachloroethane	ND	µg/L		NA	5.0	10/24/2006 2:52:00 AM
Tetrachloroethene	ND	µg/L		NA	1.0	10/24/2006 2:52:00 AM

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 Compound

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

REI Consultants Inc.

Date: *13-Nov-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAGE	**WorkOrder:**	0610B92
Client Sample ID:	TRIP BLANK #2	**Lab ID:**	0610B92-22A
Project:	MSW LANDFILL	**Collection Date:**	10/19/2006
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TC**
Toluene	ND	µg/L		NA	5.0	10/24/2006 2:52:00 AM
1,1,1-Trichloroethane	ND	µg/L		NA	5.0	10/24/2006 2:52:00 AM
1,1,2-Trichloroethane	ND	µg/L		NA	5.0	10/24/2006 2:52:00 AM
Trichloroethene	ND	µg/L		NA	1.0	10/24/2006 2:52:00 AM
Trichlorofluoromethane	ND	µg/L		NA	5.0	10/24/2006 2:52:00 AM
1,2,3-Trichloropropane	ND	µg/L		NA	1.0	10/24/2006 2:52:00 AM
Vinyl acetate	ND	µg/L		NA	25.0	10/24/2006 2:52:00 AM
Vinyl chloride	ND	µg/L		NA	1.0	10/24/2006 2:52:00 AM
o-Xylene	ND	µg/L		NA	5.0	10/24/2006 2:52:00 AM
m,p-Xylene	ND	µg/L		NA	5.0	10/24/2006 2:52:00 AM
Surr: 1,2-Dichloroethane-d4	119	%REC		NA	80-120	10/24/2006 2:52:00 AM
Surr: 4-Bromofluorobenzene	94	%REC		NA	86-115	10/24/2006 2:52:00 AM
Surr: Dibromofluoromethane	115	%REC		NA	80-120	10/24/2006 2:52:00 AM
Surr: Toluene-d8	89	%REC		NA	88-110	10/24/2006 2:52:00 AM

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 Compound

Qualifiers:

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

CHAIN OF CUSTODY RECORD

NO. 190207 10

REIC

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

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

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

SAMPLE LOG AND ANALYSIS REQUEST

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

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

PRESERVATIVE CODES — NOTE PRESERVATIVES →

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

SAMPLE ID	NO. & TYPE OF CONTAINERS	SAMPLING DATE / TIME	MATRIX	SAMPLE COMP / GRAB	N.C Appendix I	TSS	COMMENTS
MW-1A	6	10-19-06 1127	H2O	Grab	X	X	Analyze Dis Metals For Any Total Metals Detections
MW-1B		1142					
MW-2		1105					
MW-3A		10-18-06 1645					
MW-10		1430					
MW-14		1738					
MW-15		1820					
MW-17		1600					
MW-18		1510					
MW-19		1335					

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	10-20-06 0900						
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	10-20-06 900 Date/Time	Temperature Upon Arrival 2.0 °C			

☐ FAX Results ☐ Email Results

CHAIN OF CUSTODY RECORD

NO. 190208 2 of

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

CONTACT PERSON:
TELEPHONE #:
FAX #:
E-MAIL ADDRESS:
SITE ID & STATE:
PROJECT ID: MSW Landfill
SAMPLER:

SAMPLE LOG AND ANALYSIS REQUEST

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

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

PRESERVATIVE CODES — NOTE PRESERVATIVES →

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

SAMPLE ID	NO. & TYPE OF CONTAINERS	SAMPLING DATE / TIME	MATRIX	SAMPLE COMP / GRAB	N.C. Appendix I	TSS	COMMENTS
MW-19A	6	10-19-06 0742	H2O	Grab	X	X	Analyze Dis Metals For Any Total Metal Detections
MW-20		1300					
MW-21		1355					
MW-22		1225					
MW-22A		1234					
SW-1		1100					
SW-2		10-18-06 1350					
SW-3		10-18-06 1845					
SW-4		10-19-06 0805					

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	10-20-06 0900						
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	10-20-06 900 Date/Time	Temperature Upon Arrival 2.5 °C			

☐ FAX Results ☐ Email Results

CHAIN OF CUSTODY RECORD

NO. 190209 3 of 3

REIC

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

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

CONTACT PERSON:
TELEPHONE #:
FAX #:
E-MAIL ADDRESS:
SITE ID & STATE:
PROJECT ID: MSW LandFill
SAMPLER:

SAMPLE LOG AND ANALYSIS REQUEST

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

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

PRESERVATIVE CODES — NOTE PRESERVATIVES →

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

SAMPLE ID	NO. & TYPE OF CONTAINERS	SAMPLING DATE / TIME	MATRIX	SAMPLE COMP / GRAB	N.C. Appendix I	TSS	COMMENTS
MW-18 Dupe	18	10-18-06 1510	H2O	Grab	X	X	Analyze Dis Metals
MW-21 Dupe	18	10-19-06 1355	↓	↓	X	X	For Any Total Metal
Trip Blank #2	2VOA						Detections

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	10-20-06 0900						
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Temperature Upon Arrival 2.5 °C			
		[signature]	10-20-06 900				

☐ FAX Results ☐ Email Results

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

11/9/2006

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

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

RE: MSW LANDFILL

Order No.: 0610B94

Dear Mr. Chris Stahl:

REI Consultants Inc. received 1 sample(s) on 10/20/2006 for the analyses presented in the following report.

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

Sincerely,

Beth Johnson

Beth Johnson
Project Coordinator

REI Consultants Inc. **Date:** *09-Nov-06*

CLIENT: MACON COUNTY SOLID WASTE MAN
Project: MSW LANDFILL
Lab Order: 0610B94

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 managers have verified compliance of reported results with the REIC's Quality Control Program and SOPs except as noted in this case narrative. Any deviation from compliance is identified 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. This report may not be reproduced, except in full, without the written approval of REIC.

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.

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

REI Consultants Inc.

Date: *09-Nov-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAGE	**WorkOrder:**	0610B94
Client Sample ID:	LEACHATE	**Lab ID:**	0610B94-01A
Project:	MSW LANDFILL	**Collection Date:**	10/19/2006 2:20:00 PM
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
TOTAL METALS BY ICP-MS			**SW6020**		**/SW3020A**	Analyst: **BP**
Antimony	ND	mg/L		NA	0.0300	11/5/2006 7:29:44 PM
Arsenic	0.0116	mg/L		NA	0.0100	11/5/2006 7:29:44 PM
Barium	0.670	mg/L		NA	0.500	11/5/2006 7:29:44 PM
Beryllium	ND	mg/L		NA	0.0020	11/5/2006 7:29:44 PM
Cadmium	ND	mg/L		NA	0.0010	11/5/2006 7:29:44 PM
Chromium	0.0270	mg/L		NA	0.0100	11/5/2006 7:29:44 PM
Cobalt	0.0532	mg/L		NA	0.0100	11/5/2006 7:29:44 PM
Copper	ND	mg/L		NA	0.200	11/5/2006 7:29:44 PM
Lead	ND	mg/L		NA	0.0100	11/5/2006 7:29:44 PM
Nickel	0.128	mg/L		NA	0.0500	11/5/2006 7:29:44 PM
Selenium	ND	mg/L		NA	0.0200	11/5/2006 7:29:44 PM
Silver	ND	mg/L		NA	0.0100	11/5/2006 7:29:44 PM
Thallium	ND	mg/L		NA	0.0100	11/5/2006 7:29:44 PM
Vanadium	ND	mg/L		NA	0.0400	11/5/2006 7:29:44 PM
Zinc	ND	mg/L		NA	0.0500	11/5/2006 7:29:44 PM
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TC**
Acetone	ND	µg/L		NA	500	10/23/2006 1:01:00 PM
Acrylonitrile	ND	µg/L		NA	250	10/23/2006 1:01:00 PM
Benzene	ND	µg/L		NA	10	10/23/2006 1:01:00 PM
Bromochloromethane	ND	µg/L		NA	50.0	10/23/2006 1:01:00 PM
Bromodichloromethane	ND	µg/L		NA	10	10/23/2006 1:01:00 PM
Bromoform	ND	µg/L		NA	10	10/23/2006 1:01:00 PM
Bromomethane	ND	µg/L		NA	50.0	10/23/2006 1:01:00 PM
2-Butanone	ND	µg/L		NA	500	10/23/2006 1:01:00 PM
Carbon disulfide	ND	µg/L		NA	250	10/23/2006 1:01:00 PM
Carbon tetrachloride	ND	µg/L		NA	10	10/23/2006 1:01:00 PM
Chlorobenzene	ND	µg/L		NA	50.0	10/23/2006 1:01:00 PM
Chloroethane	ND	µg/L		NA	50.0	10/23/2006 1:01:00 PM
Chloroform	ND	µg/L		NA	10	10/23/2006 1:01:00 PM
Chloromethane	ND	µg/L		NA	10	10/23/2006 1:01:00 PM
Dibromochloromethane	ND	µg/L		NA	50.0	10/23/2006 1:01:00 PM
1,2-Dibromo-3-chloropropane	ND	µg/L		NA	10	10/23/2006 1:01:00 PM
1,2-Dibromoethane	ND	µg/L		NA	10	10/23/2006 1:01:00 PM
Dibromomethane	ND	µg/L		NA	50.0	10/23/2006 1:01:00 PM
1,2-Dichlorobenzene	ND	µg/L		NA	50.0	10/23/2006 1:01:00 PM
1,4-Dichlorobenzene	ND	µg/L		NA	50.0	10/23/2006 1:01:00 PM
trans-1,4-Dichloro-2-butene	ND	µg/L		NA	500	10/23/2006 1:01:00 PM
1,1-Dichloroethane	ND	µg/L		NA	50.0	10/23/2006 1:01:00 PM

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 Compound

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

REI Consultants Inc.

Date: *09-Nov-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAGE	**WorkOrder:**	0610B94
Client Sample ID:	LEACHATE	**Lab ID:**	0610B94-01A
Project:	MSW LANDFILL	**Collection Date:**	10/19/2006 2:20:00 PM
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
VOLATILE ORGANIC COMPOUNDS			**SW8260B**			Analyst: **TC**
1,2-Dichloroethane	ND	µg/L		NA	10	10/23/2006 1:01:00 PM
1,1-Dichloroethene	ND	µg/L		NA	50.0	10/23/2006 1:01:00 PM
cis-1,2-Dichloroethene	ND	µg/L		NA	50.0	10/23/2006 1:01:00 PM
trans-1,2-Dichloroethene	ND	µg/L		NA	50.0	10/23/2006 1:01:00 PM
1,2-Dichloropropane	ND	µg/L		NA	10	10/23/2006 1:01:00 PM
cis-1,3-Dichloropropene	ND	µg/L		NA	10	10/23/2006 1:01:00 PM
trans-1,3-Dichloropropene	ND	µg/L		NA	10	10/23/2006 1:01:00 PM
Ethylbenzene	ND	µg/L		NA	50.0	10/23/2006 1:01:00 PM
2-Hexanone	ND	µg/L		NA	500	10/23/2006 1:01:00 PM
Iodomethane	ND	µg/L		NA	100	10/23/2006 1:01:00 PM
Methylene chloride	ND	µg/L		NA	50.0	10/23/2006 1:01:00 PM
4-Methyl-2-pentanone	ND	µg/L		NA	500	10/23/2006 1:01:00 PM
Styrene	ND	µg/L		NA	50.0	10/23/2006 1:01:00 PM
1,1,1,2-Tetrachloroethane	ND	µg/L		NA	50.0	10/23/2006 1:01:00 PM
1,1,2,2-Tetrachloroethane	ND	µg/L		NA	50.0	10/23/2006 1:01:00 PM
Tetrachloroethene	ND	µg/L		NA	10	10/23/2006 1:01:00 PM
Toluene	ND	µg/L		NA	50.0	10/23/2006 1:01:00 PM
1,1,1-Trichloroethane	ND	µg/L		NA	50.0	10/23/2006 1:01:00 PM
1,1,2-Trichloroethane	ND	µg/L		NA	50.0	10/23/2006 1:01:00 PM
Trichloroethene	ND	µg/L		NA	10	10/23/2006 1:01:00 PM
Trichlorofluoromethane	ND	µg/L		NA	50.0	10/23/2006 1:01:00 PM
1,2,3-Trichloropropane	ND	µg/L		NA	10	10/23/2006 1:01:00 PM
Vinyl acetate	ND	µg/L		NA	250	10/23/2006 1:01:00 PM
Vinyl chloride	ND	µg/L		NA	10	10/23/2006 1:01:00 PM
o-Xylene	ND	µg/L		NA	50.0	10/23/2006 1:01:00 PM
m,p-Xylene	ND	µg/L		NA	50.0	10/23/2006 1:01:00 PM
Surr: 1,2-Dichloroethane-d4	108	%REC		NA	80-120	10/23/2006 1:01:00 PM
Surr: 4-Bromofluorobenzene	99	%REC		NA	86-115	10/23/2006 1:01:00 PM
Surr: Dibromofluoromethane	107	%REC		NA	80-120	10/23/2006 1:01:00 PM
Surr: Toluene-d8	91	%REC		NA	88-110	10/23/2006 1:01:00 PM
BOD, 5 DAY, 20°C			**SM5210 B**			Analyst: **BA**
Biochemical Oxygen Demand	45	mg/L		2	5	10/20/2006 11:44:00 AM
CHEMICAL OXYGEN DEMAND			**E410.4**			Analyst: **DSA**
Chemical Oxygen Demand	575	mg/L		NA	10	10/24/2006 12:40:00 PM
ANIONS BY ION CHROMATOGRAPHY			**E300.0**			Analyst: **LK**
Nitrogen, Nitrate	94.8	mg/L		NA	0.10	10/27/2006 4:30:00 PM
Sulfate	13.4	mg/L		NA	5.00	10/27/2006 4:30:00 PM

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 Compound

Qualifiers:

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

REI Consultants Inc.

Date: *09-Nov-06*

CLIENT:	MACON COUNTY SOLID WASTE MANAGE	**WorkOrder:**	0610B94
Client Sample ID:	LEACHATE	**Lab ID:**	0610B94-01A
Project:	MSW LANDFILL	**Collection Date:**	10/19/2006 2:20:00 PM
Site ID:	MACON CO NC	**Matrix:**	LIQUID

Analyses	Result	Units	Qual	MDL	PQL	Date Analyzed
PHOSPHORUS			**SM4500-P BE**			Analyst: **JLM**
Phosphorus, Total	0.68	mg/L		NA	0.05	11/1/2006 12:00:00 PM

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 Compound

Qualifiers:

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

CHAIN OF CUSTODY RECORD NO. 19U206

REIC

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

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

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

SAMPLE LOG AND ANALYSIS REQUEST

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

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

PRESERVATIVE CODES — NOTE PRESERVATIVES →

ANALYSIS REQUESTED & METHOD

SAMPLE ID	NO. & TYPE OF CONTAINERS	SAMPLING DATE / TIME	MATRIX	SAMPLE COMP / GRAB	Appendix I VOCs	Metals	BOD, Nitrate, Sulfate	COD, Tot Phosphorus	COMMENTS
Leachate	8	10-19-06 1420	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]	10-20-06 0900						
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Temperature Upon Arrival			
		[signature]	10-20-06 900	2.5 °C			

☐ FAX Results ☐ Email Results

Appendix D

Historical Laboratory Results

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
MW-10	Apr-06	0.0150	0.0050	0.250	0.001	0.0005	0.005	0.100	0.005	0.005
MW-17	Apr-06	0.0150	0.0050	0.250	0.001	0.0005	0.005	0.100	0.005	0.005
MW-18	Apr-06	0.0150	0.0050	0.250	0.001	0.0005	0.005	0.100	0.005	0.005
MW-10	Oct-06	0.0150	0.0050	0.250	0.001	0.0005	0.005	0.100	0.005	0.005
MW-17	Oct-06	0.0150	0.0050	0.250	0.001	0.0005	0.0103	0.100	0.0102	0.005
MW-18	Oct-06	0.0150	0.0050	0.250	0.001	0.0005	0.0139	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.	39	39	39	39	39	39	38	39	39
	# NDs	39	38	30	39	37	18	38	25	29
	% NDs	100%	97%	77%	100%	95%	46%	100%	64%	74%
	Method	Nonparametric	Nonparametric	Nonparametric	Nonparametric	Nonparametric	Adjustment	Nonparametric	Nonparametric	Nonparametric
	Limit	0.030	0.018	1.30	0.002	0.0039	0.108	0.200	0.056	0.044

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
MW-10	Apr-06	0.025	0.010	0.020	0.025	0.005	0.0025
MW-17	Apr-06	0.025	0.010	0.020	0.025	0.005	0.0025
MW-18	Apr-06	0.025	0.010	0.020	0.025	0.005	0.0025
MW-10	Oct-06	0.025	0.010	0.020	0.025	0.005	0.0025
MW-17	Oct-06	0.025	0.010	0.020	0.0529	0.005	0.0025
MW-18	Oct-06	0.025	0.010	0.020	0.0681	0.005	0.0025
	PQL	0.050	0.020	0.040	0.050	0.010	0.005
	# Obs.	39	39	39	39	39	39
	# NDs	39	39	35	22	38	38
	% NDs	100%	100%	90%	56%	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	
n	10	12	15
36	1.58	1.62	1.69
39		**1.61**	
40	1.56	1.61	1.68

0.005		k	
n	10	12	15
36	2.23	2.27	2.33
39		**2.25**	
40	2.20	2.24	2.30

0.0025		k	
n	10	12	15
36	2.40	2.44	2.51
39		**2.43**	
40	2.38	2.42	2.48

# const.	alpha	ln(alpha)	K
1	0.05	-2.995732	1.61
10	0.005	-5.298317	2.25
20	0.0025	-5.991465	2.43
26	0.00192	-6.25543	**2.49**

K= 2.49

36 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		
0.005		
0.005		
0.005		
0.005		
0.0103	1	-4.576
0.011	2	-4.510
0.011	3	-4.510
0.013	4	-4.343
0.0139	5	-4.276
0.0147	6	-4.220
0.017	7	-4.075
0.0190	8	-3.963
0.0230	9	-3.772
0.024	10	-3.730
0.025	11	-3.689
0.025	12	-3.689
0.026	13	-3.650
0.0286	14	-3.554
0.031	15	-3.474
0.031	16	-3.474
0.040	17	-3.219
0.048	18	-3.037
0.065	19	-2.733
0.100	20	-2.303
0.140	21	-1.966

x_i	x_{n-i+1}	$x_{n-i+1}-x_i$	a_{n-i+1}	b_i
0.0103	0.140	0.13	0.4643	0.0602
0.011	0.100	0.09	0.3185	0.0283
0.011	0.065	0.05	0.2578	0.0139
0.013	0.048	0.04	0.2119	0.0074
0.0139	0.040	0.03	0.1736	0.0045
0.0147	0.031	0.02	0.1399	0.0023
0.017	0.031	0.01	0.1092	0.0015
0.0190	0.0286	0.01	0.0804	0.0008
0.0230	0.026	0.00	0.0530	0.0002
0.024	0.025	0.00	0.0263	0.0000
0.025	0.025	0.00		
0.025	0.024	0.00		0.1192
0.026	0.0230	0.00		
0.0286	0.0190	-0.01		
0.031	0.017	-0.01		
0.031	0.0147	-0.02		
0.040	0.0139	-0.03		
0.048	0.013	-0.04		
0.065	0.011	-0.05		
0.100	0.011	-0.09		
0.140	0.0103	-0.13		

S.D.	0.032	
W	0.689	less than 0.873, normal assumption rejected

y_i	y_{n-i+1}	$y_{n-i+1}-y_i$	a_{n-i+1}	b_i
-4.576	-1.966	2.61	0.4643	1.2116
-4.510	-2.303	2.21	0.3185	0.7030
-4.510	-2.733	1.78	0.2578	0.4580
-4.343	-3.037	1.31	0.2119	0.2768
-4.276	-3.219	1.06	0.1736	0.1835
-4.220	-3.474	0.75	0.1399	0.1044
-4.075	-3.474	0.60	0.1092	0.0656
-3.963	-3.554	0.41	0.0804	0.0329
-3.772	-3.650	0.12	0.0530	0.0065
-3.730	-3.689	0.04	0.0263	0.0011
-3.689	-3.689	0.00		
-3.689	-3.730	-0.04		3.0433
-3.650	-3.772	-0.12		
-3.554	-3.963	-0.41		
-3.474	-4.075	-0.60		
-3.474	-4.220	-0.75		
-3.219	-4.276	-1.06		
-3.037	-4.343	-1.31		
-2.733	-4.510	-1.78		
-2.303	-4.510	-2.21		
-1.966	-4.576	-2.61		

S.D.	0.706	
W	0.930	greater than 0.873, lognormal assumption not rejected

Cohen's Adjustment - Lognormal Distribution

Mean (above detection)	-3.655
S.D. (above detection)	0.706
h	0.4615
gamma	0.5518
lambda	0.8851
Corrected Mean	-4.496
Corrected S.D.	1.139
Mean	0.021
S.D.	0.035
K	2.49
Prediction Limit	0.108