1st Semi-Annual 2014 Groundwater Monitoring Report

for

Old Franklin Landfill

Permit No: 57-01

April 2014

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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,

6/30/2014

Michael P. Hofe, P.E. (NC #28029)
Manager
Environmental Monitoring & Investigative Assessment Department

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1.0 EXECUTIVE SUMMARY

REI Consultants, Inc. (REIC) has prepared the 1st Semi-Annual Water Quality Monitoring Report for 2014 for the Old Franklin Landfill, Permit No. 57-01, a closed municipal solid waste disposal facility located in Macon County, North Carolina. Water quality monitoring at the facility is performed on a semi-annual basis and consists of sampling groundwater monitoring wells in the vicinity of the landfill and a residential water supply well adjacent to the facility.

The 1st semi-annual 2014 monitoring event was performed on April 17, 2014. Groundwater samples were collected from seven (7) monitoring wells; in addition, a sample was collected from one (1) water supply well location. All samples were analyzed for North Carolina Appendix I parameters. The following parameters were detected above North Carolina groundwater standards:

Parameter	Monitoring Well
Barium	MW-7
Benzene	MW-1, MW-6CR, MW-7C
Cobalt	MW-3, MW-6CR, MW-7, MW-7C
1,4-Dichlorobenzene	MW-1, MW-6CR

Statistical analysis of analytical results indicates that all of the above groundwater standards exceedances of metals are below background statistical limits. The exceedances of groundwater standards for volatile organic compounds are similar to those of previous monitoring events. However, these constituents have not been detected in the nearby residential water supply source (see below).

One (1) residential water supply well, designated as Haire, was sampled. No Appendix I parameters were detected in the Haire well with the exception of copper and zinc. However, concentrations of copper and zinc were well below North Carolina groundwater standards in the sample.

Static groundwater elevations were measured in each monitoring well prior to sampling. These measurements were converted to groundwater elevations, which were used to develop generalized potentiometric contours for both the shallow and bedrock aquifers in the vicinity of the Old Franklin Landfill. Groundwater in the uppermost aquifer appears to be flowing to the west and northwest in the vicinity of the waste area. The average shallow groundwater flow rate in the landfill vicinity has been estimated at 170 feet/year. Groundwater of the bedrock aquifer generally flows from east to west.

2.0 INTRODUCTION

REI Consultants, Inc. (REIC) has prepared the 1st Semi-Annual Water Quality Monitoring Report for 2014 for the Old Franklin Landfill, Permit No. 57-01, a closed municipal solid waste disposal facility located approximately two miles northeast of the town of Franklin in Macon County, North Carolina. The facility consists of a closed and capped waste area, no longer active, that occupies approximately 14 acres of nearly 30 acres of property. Lake Emory (the Little Tennessee River) is situated to the west and northwest of the site.

The groundwater monitoring well network at the Old Franklin Landfill consists of wells MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-6A, MW-6CR, MW-7, MW-7A, MW-7C, MW-8, MW-9, and MW-10 (see Figures 1 and 2 for locations). Well MW-6CR was installed prior to the 2nd semi-annual 2008 event in order to replace well MW-6C, which was discovered to be obstructed at depth during the 2nd semi-annual 2007 event. Well MW-6C was properly abandoned and plugged in April 2008.

Monitoring wells MW-2 and MW-8 are located essentially hydraulically sidegradient of the waste area, and therefore are designated as the background wells for the facility. Monitoring wells MW-1, MW-3, MW-4, MW-5, MW-6, MW-6A, MW-6CR, MW-7, MW-7A, MW-7C, MW-9, and MW-10 are monitored as compliance wells. Wells MW-1, MW-3, MW-6, MW-6CR, MW-7, MW-7C, and MW-10 are sampled semi-annually; wells MW-2, MW-4, MW-5, MW-6A, MW-7A, MW-8, and MW-9 are sampled biennially. All well samples are analyzed for North Carolina Appendix I parameters.

In addition to the above monitoring wells, a sample is collected from one (1) residential water supply well location adjacent to the landfill property, designated as Haire. The supply well water sample is analyzed semi-annually for Appendix I parameters. Formerly, samples were collected from additional residential wells designated as Dowdle and Keener. However, these wells are no longer used, as both residences are connected to public water, and samples are no longer collected from these locations.

For the 1st semi-annual 2014 monitoring event, field sampling was performed on April 17, 2013. Samples were collected from the seven semi-annual well locations and the drinking water supply well.

3.0 HYDROLOGIC EVALUATION

Static water levels were measured from the top of casing (TOC) prior to purging in all wells during the sampling event. These water level measurements, in conjunction with surveyed TOC elevation data, were used to calculate static groundwater elevations in each well. Groundwater elevation data from the 1st semi-annual 2014 monitoring event was contoured to represent the potentiometric surface of both the shallow and bedrock aquifers in the vicinity of the landfill. Elevation data and, in the case of the shallow aquifer, the influence of topographical features, were utilized to estimate contours. Copies of the resulting potentiometric maps are included in this report (See Figures 1 and Figure 2).

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

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

Previous investigators conducted in-situ aquifer slug tests in order to estimate typical hydraulic conductivities at the site. Elevation data from the shallow aquifer potentiometric map was utilized to estimate hydraulic gradients in the vicinity of the facility. This information has been applied in a form of Darcy's Law to calculate the groundwater seepage velocity in the upper-most aquifer under the site, which was estimated to be 170 ft/year. Groundwater flow rate calculations are included in Appendix A.

4.0 SAMPLING AND LABORATORY ANALYSIS

Monitoring wells at the Old Franklin Landfill were purged and sampled using laboratory decontaminated polytetrafluoroethylene single check valve bailers. Field testing of pH, temperature, conductivity, and turbidity were measured to ensure adequate purging. Samples were collected in pre-cleaned and appropriately preserved containers, transported in iced coolers, and delivered to the laboratory in good condition. All wells were sampled during the 1st semi-annual 2014 monitoring event with the exception of the biennial locations. Several groundwater samples were noted as exhibiting very high turbidity. A summary of field sampling information is given in Table 1. Field sampling logs are included in Appendix B.

All samples were analyzed by REIC's North Carolina certified laboratory. The laboratory quality assurance program included all appropriate, method specific quality controls (QC). All laboratory data met the required QC criteria and stringent REIC acceptance review prior to inclusion in this report.

Several metals and volatile organic compounds (VOCs) were detected above North Carolina Solid Waste Section Limits (SWSLs) in compliance wells at the facility. Metals detected above SWSLs included barium, cadmium, cobalt, copper, and zinc. VOCs detected above SWSLs included benzene, chlorobenzene, 1,4-dichlorobenzene, cis-1,2-dichloroethene, and trichloroethene. The following parameters were detected above North Carolina groundwater standards:

Parameter	Monitoring Well
Barium	MW-7
Benzene	MW-1, MW-6CR, MW-7C
Cobalt	MW-3, MW-6CR, MW-7, MW-7C
1,4-Dichlorobenzene	MW-1, MW-6CR

The exceedances of groundwater standards are similar to those of previous monitoring events. However, these constituents have not been detected in the nearby residential water supply source (see below).

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

A summary of laboratory results in included in Table 2. Laboratory reports and chain-of-custody records are included in Appendix C. Data have been reported to method detection limits (MDLs) as requested by NCDENR. However, note that any values reported below SWSLs, flagged with a "J" qualifier, are only estimates, are not quantitative, and should not be used numerically in any way. Historical laboratory results are given in Appendix D.

5.0 STATISTICAL ANALYSIS

The updated regulations at 15A NCAC 13B Section .1633 no longer require statistical analysis to be conducted as a routine screening tool. However, statistical analysis was performed in order to maintain background levels for the several naturally occurring metals that are detected in background and compliance wells at Old Franklin Landfill.

Monitoring constituents were evaluated in general accordance with the guidelines of "Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Unified Guidance" (U.S. EPA Office of Resource Conservation and Recovery, March 2009). Downgradient well constituent concentrations were compared to upper prediction limits derived from historical data pooled from the two background wells, MW-2 and MW-8. Prediction intervals were constructed as follows. For constituents where greater than 50 percent of the data were below practical quantitation limits (PQLs)/SWSLs, a non-parametric prediction limit was constructed using the maximum historical background measurement. For constituents where more than 15 but less than 50 percent of the data were below PQLs/SWSLs, parametric prediction intervals modified by Cohen's Adjustment were utilized. Tables from the EPA Unified Guidance were utilized to

calculate parametric limits. No parameters exhibited detection frequencies above PQLs/SWSLs at greater than 50 percent with the exception of chromium.

Statistical analysis of monitoring well analytical results for metals indicate that the barium and cobalt concentrations detected above groundwater standards during the 1st semi-annual 2014 event were below background statistical limits. A summary of the statistical analysis is given in Appendix E.

6.0 CONCLUSIONS

- The 1st semi-annual 2014 water quality monitoring event at the Old Franklin Landfill was performed in accordance with State and Federal Guidelines.

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

- The average rate of groundwater flow in the vicinity of the landfill in the uppermost aquifer is estimated at 170 feet/year.

- Metals detected above SWSLs included barium, cadmium, cobalt, copper, and zinc. VOCs detected above SWSLs included benzene, chlorobenzene, 1,4-dichlorobenzene, cis-1,2-dichloroethene, and trichloroethene.

- The following VOCs were detected above North Carolina groundwater standards: benzene in wells MW-1, MW-6CR, and MW-7C and 1,4-dichlorobenzene in wells MW-1 and MW-6CR.

- The following metals were detected above North Carolina groundwater standards: barium in well MW-7 and cobalt in wells MW-3, MW-6CR, MW-7, and MW-7C.

- Statistical analysis indicated that all of the above groundwater standard exceedances for metals were below background statistical limits.

- The exceedances of groundwater standards are similar to those of previous monitoring events. However, these constituents have not been detected in the nearby residential water supply source.

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

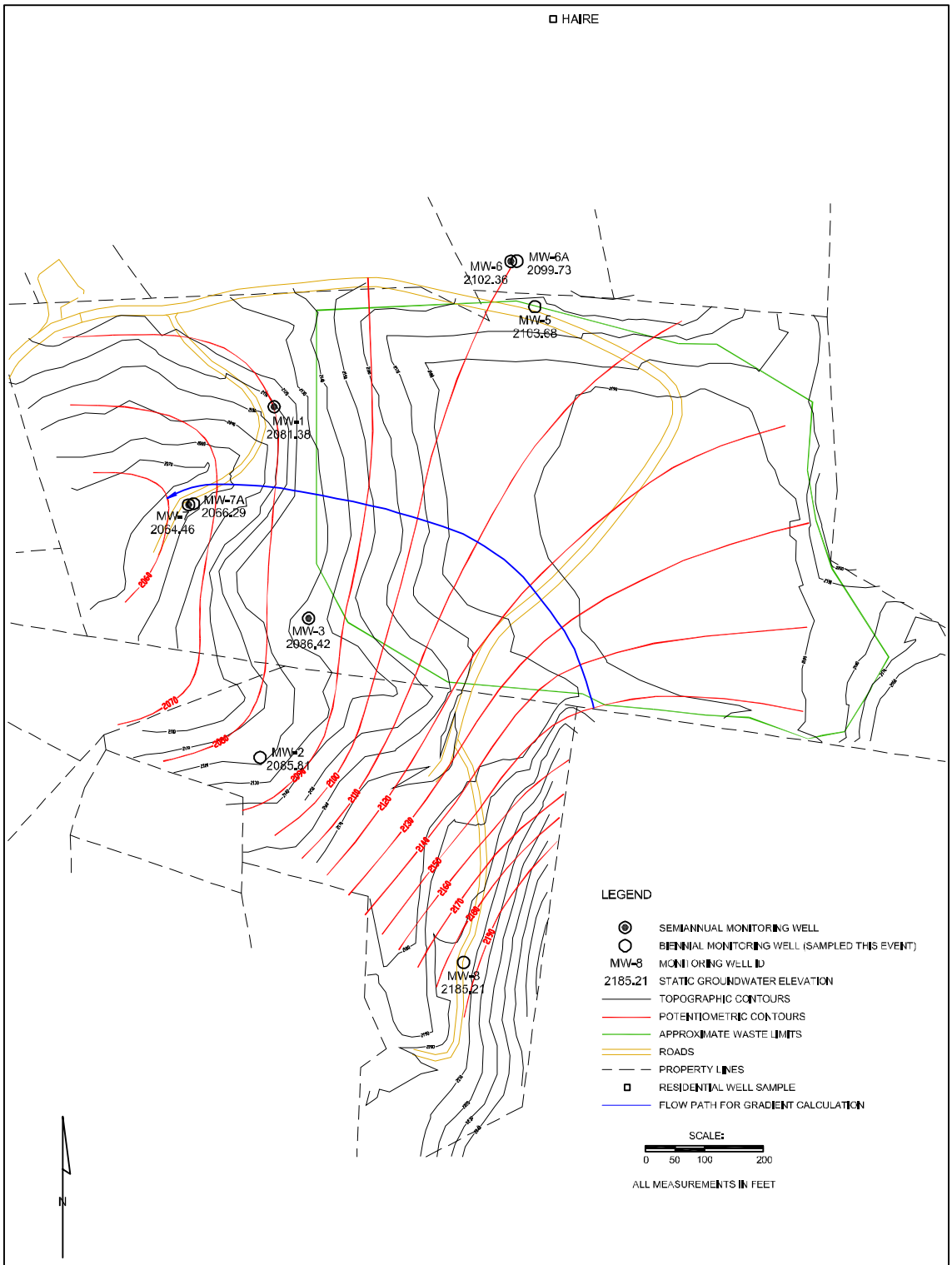
Old Franklin Landfill

Franklin, Macon County, North Carolina

Permit Number: 57-01

Figure 1:

Potentiometric Map / Uppermost Aquifier



OLD FRANKLIN LANDFILL, PERMIT NO. 57-01
MACON COUNTY, NORTH CAROLINA
WATER QUALITY MONITORING PROGRAM

1ST SEMIANNUAL 2014 EVENT
POTENTIOMETRIC CONTOURS - UPPERMOST AQUIFER

PREPARED BY:
REI CONSULTANTS, INC.
JUNE 2014

REI Consultants, Inc.

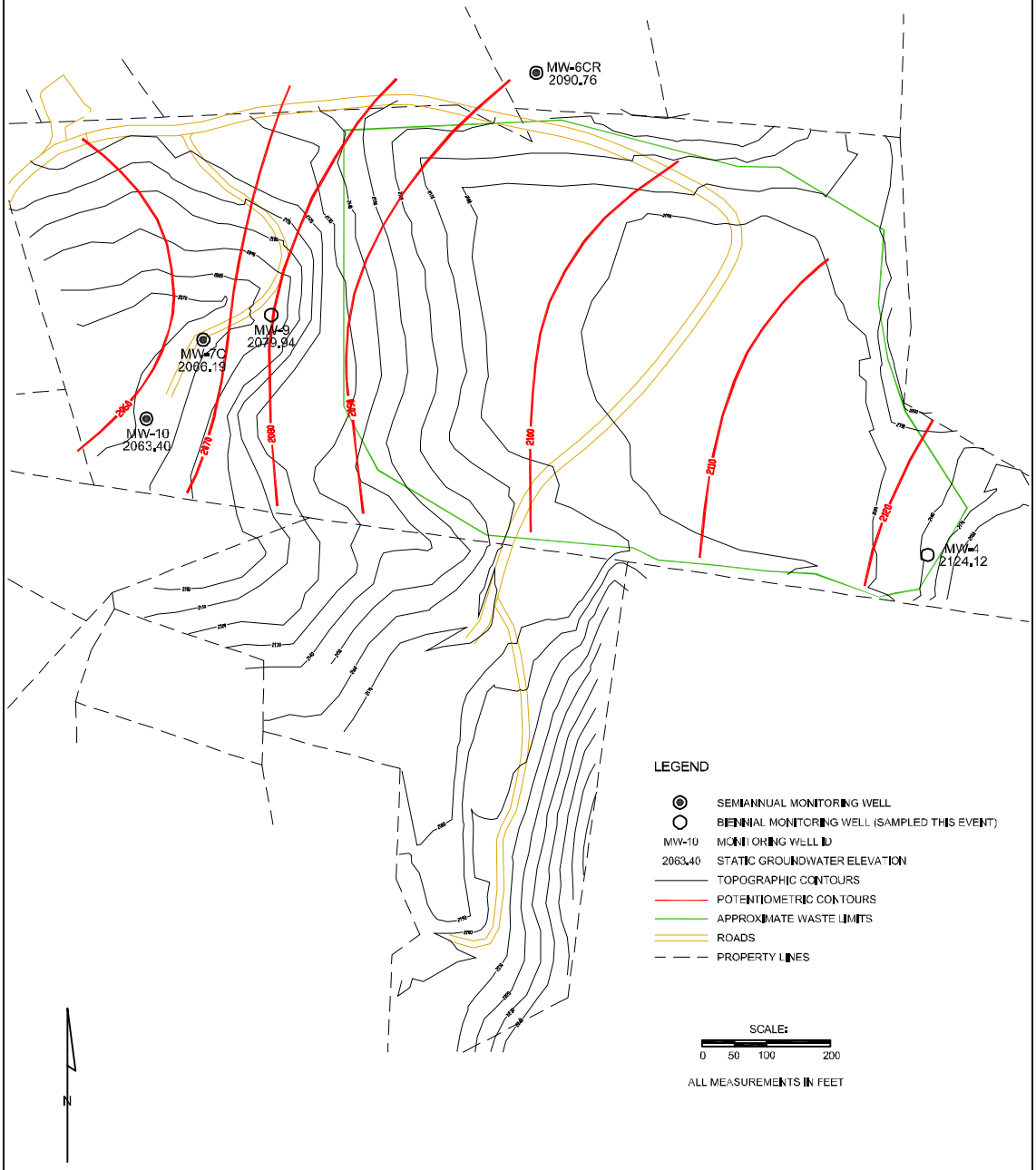
Old Franklin Landfill

Franklin, Macon County, North Carolina

Permit Number: 57-01

Figure 2:

Potentiometric Map / Bedrock Aquifer



OLD FRANKLIN LANDFILL, PERMIT NO. 57-01
MACON COUNTY, NORTH CAROLINA
WATER QUALITY MONITORING PROGRAM

1ST SEMIANNUAL 2014 EVENT
POTENTIOMETRIC CONTOURS - BEDROCK AQUIFER

PREPARED BY:
REI CONSULTANTS, INC.
JUNE 2014

REI Consultants, Inc.

TABLE 1: SAMPLING LOG SUMMARY

Old Franklin Landfill (Permit: #57-01)

REIC Job #: 1404L82
Sampling Date: 4/17/2014
Sampler(s): Randy Farley / Allen McBride / Billy Shirley
Weather Conditions: Cloudy & Sunny - 30 -54°F

Property	Units	MW-1	MW-2	MW-3	MW-4	MW-5
Sampling Depth	Feet	28.07	NO SAMPLE	55.55	NO SAMPLE	NO SAMPLE
Static Depth	Feet	26.08	NO SAMPLE	50.68	NO SAMPLE	NO SAMPLE
Well Depth	Feet	43.89	NO SAMPLE	63.08	NO SAMPLE	NO SAMPLE
Water Column Height	Feet	17.81	NO SAMPLE	12.40	NO SAMPLE	NO SAMPLE
Volume Purged	Liters	30	NO SAMPLE	22	NO SAMPLE	NO SAMPLE
Purging Status	-	Finished Purging	NO SAMPLE	Finished Purging	NO SAMPLE	NO SAMPLE
Physical Property	Units	MW-1	MW-2	MW-3	MW-4	MW-5
pH	SU	6.27	NO SAMPLE	6.16	NO SAMPLE	NO SAMPLE
Temperature	°C	15.6	NO SAMPLE	15.4	NO SAMPLE	NO SAMPLE
Conductivity	umhos/cm	674	NO SAMPLE	312	NO SAMPLE	NO SAMPLE
Turbidity	NTU	54.1	NO SAMPLE	542	NO SAMPLE	NO SAMPLE
Appearance	-	Cloudy	NO SAMPLE	Cloudy	NO SAMPLE	NO SAMPLE
Odor	-	No Odor	NO SAMPLE	No Odor	NO SAMPLE	NO SAMPLE
Total Suspended Solids (TSS)	mg/L	36.5	NO SAMPLE	498	NO SAMPLE	NO SAMPLE

Property	Units	MW-6	MW-6A	MW-6CR	MW-7	MW-7A
Sampling Depth	Feet	38.38	NO SAMPLE	87.40	16.00	NO SAMPLE
Static Depth	Feet	32.51	NO SAMPLE	43.46	15.93	NO SAMPLE
Well Depth	Feet	45.52	NO SAMPLE	144.22	23.39	NO SAMPLE
Water Column Height	Feet	13.01	NO SAMPLE	100.76	7.46	NO SAMPLE
Volume Purged	Liters	24	NO SAMPLE	160	14	NO SAMPLE
Purging Status	-	Finished Purging	NO SAMPLE	Finished Purging	Finished Purging	NO SAMPLE
Physical Property	Units	MW-6	MW-6A	MW-6CR	MW-7	MW-7A
pH	SU	5.21	NO SAMPLE	6.38	5.65	NO SAMPLE
Temperature	°C	14.2	NO SAMPLE	14.2	13.5	NO SAMPLE
Conductivity	umhos/cm	82.6	NO SAMPLE	602	317	NO SAMPLE
Turbidity	NTU	>800	NO SAMPLE	1.08	>800	NO SAMPLE
Appearance	-	Cloudy	NO SAMPLE	Clear	Muddy	NO SAMPLE
Odor	-	No Odor	NO SAMPLE	No Odor	No Odor	NO SAMPLE
Total Suspended Solids (TSS)	mg/L	714	NO SAMPLE	ND	ND	NO SAMPLE

Property	Units	MW-7C	MW-8	MW-9	MW-10	Haire
Sampling Depth	Feet	14.06	NO SAMPLE	NO SAMPLE	13.08	-
Static Depth	Feet	13.91	NO SAMPLE	NO SAMPLE	10.80	-
Well Depth	Feet	54.35	NO SAMPLE	NO SAMPLE	108.10	-
Water Column Height	Feet	40.44	NO SAMPLE	NO SAMPLE	97.30	-
Volume Purged	Liters	71	NO SAMPLE	NO SAMPLE	169	-
Purging Status	-	Finished Purging	NO SAMPLE	NO SAMPLE	Finished Purging	-
Physical Property	Units	MW-7C	MW-8	MW-9	MW-10	Haire
pH	SU	5.93	NO SAMPLE	NO SAMPLE	6.36 / Dup 6.34	5.30
Temperature	°C	15.3	NO SAMPLE	NO SAMPLE	13.0 / Dup 13.1	11.2
Conductivity	umhos/cm	849	NO SAMPLE	NO SAMPLE	591 / Dup 593	73.3
Turbidity	NTU	1.48	NO SAMPLE	NO SAMPLE	0.33 / Dup 0.32	0.07
Appearance	-	Clear	NO SAMPLE	NO SAMPLE	Clear	Clear
Odor	-	No Odor	NO SAMPLE	NO SAMPLE	No Odor	No Odor
Total Suspended Solids (TSS)	mg/L	732	NO SAMPLE	NO SAMPLE	ND	ND

TABLE 2: SUMMARY OF DETECTIONS

1st Semiannual 2014 Event
Old Franklin Landfill - Permit No: 57-01
Franklin, North Carolina

VOCs	NC 2L	SWSL	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-6A	MW-6CR	MW-7	MW-7A	MW-7C	MW-8	MW-9	MW-10	Haire
1,4-Dichlorobenzene	6	1	13.0	NS	2.8	NS	NS	1.7	NS	12.6	*	NS	5.2	NS	NS	3.9	*
Benzene	1	1	3.8	NS	*	NS	NS	*	NS	1.7	*	NS	1.1	NS	NS	*	*
Chlorobenzene	50	3	19.4	NS	*	NS	NS	*	NS	*	*	NS	8.0	NS	NS	3.5	*
cis-1,2-Dichloroethene	70	5	15.7	NS	*	NS	NS	*	NS	15.6	*	NS	*	NS	NS	*	*
Trichloroethene	3	1	1.0	NS	*	NS	NS	*	NS	1.2	*	NS	*	NS	NS	*	*
METALS	**NC 2L**	**SWSL**	**MW-1**	**MW-2**	**MW-3**	**MW-4**	**MW-5**	**MW-6**	**MW-6A**	**MW-6CR**	**MW-7**	**MW-7A**	**MW-7C**	**MW-8**	**MW-9**	**MW-10**	**Haire**
Barium	700	100	250	NS	486	NS	NS	480	NS	336	1070	NS	601	NS	NS	102	*
Cadmium	2	1	1.5	NS	*	NS	NS	*	NS	*	*	NS	*	NS	NS	*	*
Cobalt	1	10	*	NS	22.5	NS	NS	*	NS	33.3	17.3	NS	18.3	NS	NS	*	*
Copper	1000	10	*	NS	16.2	NS	NS	10.4	NS	*	24.6	NS	*	NS	NS	*	34.8
Zinc	1000	10	19.7	NS	15.8	NS	NS	13.1	NS	14.2	31.5	NS	17.3	NS	NS	10.8	36.3
Total Suspended Solids (TSS)		1	37	NS	498	NS	NS	714	NS	5	*	NS	732	NS	NS	*	*

NOTES:

SWSL - Solid Waste Section Limit
NL - constituent does not have a NC 2L Standard
Constituents that exceed the NC 2L Standard are highlighed in red
DRY - well was dry during sampling event
All constituents reported in µg/L [parts per billion (ppb)]
Only compounds detected above SWSLs are listed
NS - location not sampled
*** - not detected above SWSL**

Old Franklin Landfill

Franklin, Macon County, North Carolina

Permit Number: 57-01

Appendix A:

Groundwater Flow Rate Calculations

Old Franklin Landfill

Flow Path		
X	Y	Distance (ft)
-1523.8	64.7	
-1508.2	72.3	17.3
-1495.4	77.7	13.9
-1481.7	82.1	14.4
-1469.2	85.1	12.9
-1459.2	86.5	10.2
-1447.2	87.5	12.0
-1437.0	87.8	10.2
-1419.8	87.6	17.2
-1399.7	86.6	20.2
-1379.8	85.7	19.9
-1365.1	84.9	14.7
-1347.7	83.3	17.5
-1331.8	81.2	16.1
-1312.6	78.3	19.4
-1295.4	75.2	17.5
-1261.0	69.0	34.9
-1235.0	64.0	26.5
-1208.8	58.3	26.9
-1179.1	52.1	30.3
-1153.9	45.8	26.0
-1133.9	40.2	20.8
-1108.2	32.6	26.8
-1079.2	23.5	30.4
-1056.8	16.0	23.7
-1039.8	9.7	18.1
-1023.1	2.9	18.0
-1008.6	-4.1	16.1
-999.8	-8.9	10.0
-986.6	-16.9	15.4
-968.9	-29.4	21.7
-953.6	-40.4	18.9
-934.7	-56.6	24.8
-921.0	-69.6	18.9
-912.9	-78.6	12.1
-902.7	-91.0	16.0
-887.7	-110.9	24.9
-873.7	-128.7	22.7
-861.9	-145.6	20.5
-851.4	-160.5	18.3
-842.3	-175.6	17.7
-834.5	-191.7	17.9
-828.5	-206.3	15.7
-821.0	-225.3	20.4
-813.9	-246.5	22.3
-808.2	-265.2	19.6
-803.0	-282.1	17.7
-801.0	-290.9	9.0

Hydraulic gradient, I =	0.100	ft / ft
K =	4.8E-04	cm / sec
n_{eff} =	0.3	
V = KI / n_{eff} =	170	ft / yr

Horizontal Distance	896.3	ft
Vertical Difference	90	ft

Old Franklin Landfill

Franklin, Macon County, North Carolina

Permit Number: 57-01

Appendix B:

Field Sampling Logs

REI CONSULTANTS, INC. GROUNDWATER SAMPLING LOG

Project Name: Old Franklin Landfill | Project : 1st Semi-2014 | Well #: MW-1

Contact Person: Chris Stahl | Phone #: 828-349-2100

WELL CONDITION DATA

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

Comments:

PURGING DATA

Date/Time: 4/17/2014 11:29 | Weather Conditions: Sunny 49 °F

Static Depth (Depth to Water)	26.08 (Ft)	Volume	10.31	(Liters)
Well Depth	43.89 (Ft)	3 Volumes	30.95	(Liters)
Water Column Height	17.81 (Ft)	Volume Purged	30.00	(Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
11:35	6.23	672.0	14.6	9.40	1
11:37	6.30	676.0	15.3	18.60	6
11:39	6.29	676.0	15.6	32.60	12
11:41	6.31	676.0	15.7	42.90	18
11:43	6.31	675.0	15.8	51.80	24
11:45	6.32	674.0	15.8	60.10	30
11:45		Finished Purging			30

SAMPLING DATA

Date: 4/17/2014 | Time: 11:48

Method: Teflon Bailer | Sampling Depth: 28.07'

pH: 6.27 ***(SU)*** | Conductivity: 674 ***(umhos/cm)***

Temperature: 15.6 ***(°C)*** | Turbidity: 54.1 ***(NTU)***

PHYSICAL CHARACTERISTICS OF SAMPLE

Appearance: Cloudy | Odor: No Odor

Comments:

Sampled By: Randy Farley / Allen McBride / Billy Shirley

Sampler's Signature: Allen McBride | Date: 4/17/2014

REI CONSULTANTS, INC. GROUNDWATER SAMPLING LOG

Project Name: Old Franklin Landfill | Project : 1st Semi-2014 | Well #: MW-3

Contact Person: Chris Stahl | Phone #: 828-349-2100

WELL CONDITION DATA

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

Comments:

PURGING DATA

Date/Time: 4/17/2014 12:13 | Weather Conditions: Sunny 54 °F

Static Depth (Depth to Water)	50.68	(Ft)	Volume	7.17	(Liters)
Well Depth	63.08	(Ft)	3 Volumes	21.53	(Liters)
Water Column Height	12.40	(Ft)	Volume Purged	22.00	(Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (^oC)	Turbidity (NTU)	Volume Purged (Liters)
12:16	6.11	268.0	14.6	59.30	1
12:18	6.04	302.0	14.4	420.00	5
12:20	6.07	312.0	14.4	261.00	10
12:23	6.10	316.0	14.5	357.00	15
12:25	6.18	314.0	14.7	647.00	20
12:26		Finished Purging			22

SAMPLING DATA

Date: 4/17/2014 | Time: 12:30

Method: Teflon Bailer | Sampling Depth: 55.55'

pH: 6.16 ***(SU)*** | Conductivity: 312 ***(umhos/cm)***

Temperature: 15.4 ***(^{o} C)*** | Turbidity: 542 ***(NTU)***

PHYSICAL CHARACTERISTICS OF SAMPLE

Appearance: Cloudy | Odor: No Odor

Comments:

Sampled By: Randy Farley / Allen McBride / Billy Shirley

Sampler's Signature: Allen McBride | Date: 4/17/2014

REI CONSULTANTS, INC. GROUNDWATER SAMPLING LOG

Project Name: Old Franklin Landfill | Project : 1st Semi-2014 | Well #: MW-6

Contact Person: Chris Stahl | Phone #: 828-349-2100

WELL CONDITION DATA

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

Comments:

PURGING DATA

Date/Time: 4/17/2014 07:56 | Weather Conditions: Sunny 67 °F

Static Depth (Depth to Water)	32.51 (Ft)	Volume	7.53	(Liters)
	45.52 (Ft)	3 Volumes	22.59	(Liters)
	13.01 (Ft)	Volume Purged	24.00	(Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
09:00	5.32	70.5	12.9	44.40	1
09:03	5.26	67.4	14.0	>800	4
09:04	5.14	70.4	14.2	>800	8
09:06	5.20	75.9	14.3	>800	12
09:08	5.15	81.0	14.3	>800	16
09:10	5.21	81.5	14.3	>800	20
09:12		Finished Purging			24

SAMPLING DATA

Date: 4/17/2014 | Time: 09:15

Method: Teflon Bailer | Sampling Depth: 38.38'

pH: 5.21 ***(SU)*** | Conductivity: 82.6 ***(umhos/cm)***

Temperature: 14.2 ***(°C)*** | Turbidity: >800 ***(NTU)***

PHYSICAL CHARACTERISTICS OF SAMPLE

Appearance: Cloudy | Odor: No Odor

Comments:

Sampled By: Randy Farley / Allen McBride / Billy Shirley

Sampler's Signature: Allen McBride | Date: 4/17/2014

REI CONSULTANTS, INC. GROUNDWATER SAMPLING LOG

Project Name: Old Franklin Landfill | Project : 1st Semi-2014 | Well #: MW-6CR

Contact Person: Chris Stahl | Phone #: 828-349-2100

WELL CONDITION DATA

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

Comments:

PURGING DATA

Date/Time: 4/17/2014 07:50 | Weather Conditions: Sunny 30 °F

Static Depth (Depth to Water)	43.46	(Ft)	Volume	58.34	(Liters)
Well Depth	144.22	(Ft)	3 Volumes	175.02	(Liters)
Water Column Height	100.76	(Ft)	Volume Purged	160.00	(Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
07:58	6.44	566.0	13.6	1.29	1
08:08	6.34	584.0	14.0	1.39	32
08:19	6.39	622.0	14.1	1.43	64
08:29	6.45	621.0	14.0	1.03	96
08:41	6.43	608.0	14.1	1.07	128
08:52	6.41	597.0	14.4	1.01	160
08:52		Finished Purging			160

SAMPLING DATA

Date: 4/17/2014 | Time: 08:55

Method: Teflon Bailer | Sampling Depth: 87.40'

pH: 6.38 ***(SU)*** | Conductivity: 602 ***(umhos/cm)***

Temperature: 14.2 ***(°C)*** | Turbidity: 1.08 ***(NTU)***

PHYSICAL CHARACTERISTICS OF SAMPLE

Appearance: Clear | Odor: No Odor

Comments:

Sampled By: Randy Farley / Allen McBride / Billy Shirley

Sampler's Signature: Allen McBride | Date: 4/17/2014

REI CONSULTANTS, INC. GROUNDWATER SAMPLING LOG

Project Name: Old Franklin Landfill | Project : 1st Semi-2014 | Well #: MW-7

Contact Person: Chris Stahl | Phone #: 828-349-2100

WELL CONDITION DATA

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

Comments:

PURGING DATA

Date/Time: 4/17/2014 10:52 | Weather Conditions: Sunny 48 °F

Static Depth (Depth to Water)	15.93	(Ft)	Volume	4.31	(Liters)
Well Depth	23.39	(Ft)	3 Volumes	12.95	(Liters)
Water Column Height	7.46	(Ft)	Volume Purged	14.00	(Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
10:56	5.70	296.0	12.6	54.70	1
10:57	5.65	307.0	13.2	791.00	4
10:58	5.61	301.0	13.4	>800	8
10:59	5.66	300.0	13.5	>800	12
11:00		Finished Purging			14

SAMPLING DATA

Date: 4/17/2014 | Time: 11:04

Method: Teflon Bailer | Sampling Depth: 16.00'

pH: 5.65 ***(SU)*** | Conductivity: 317 ***(umhos/cm)***

Temperature: 13.5 ***(°C)*** | Turbidity: >800 ***(NTU)***

PHYSICAL CHARACTERISTICS OF SAMPLE

Appearance: Muddy | Odor: No Odor

Comments:

Sampled By: Randy Farley / Allen McBride / Billy Shirley

Sampler's Signature: Allen McBride | Date: 4/17/2014

REI CONSULTANTS, INC. GROUNDWATER SAMPLING LOG

Project Name: Old Franklin Landfill | Project : 1st Semi-2014 | Well #: MW-7C

Contact Person: Chris Stahl | Phone #: 828-349-2100

WELL CONDITION DATA

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

Comments:

PURGING DATA

Date/Time: 4/17/2014 10:56 | Weather Conditions: Sunny 48 °F

Static Depth (Depth to Water)	13.91	(Ft)	Volume	23.41 (Liters)
Well Depth	54.35	(Ft)	3 Volumes	70.24 (Liters)
Water Column Height	40.44	(Ft)	Volume Purged	71.00 (Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
11:09	6.37	747.0	13.1	11.35	1
11:11	6.58	750.0	14.8	7.89	13
11:12	6.01	781.0	15.8	4.01	26
11:15	5.95	833.0	15.4	3.43	39
11:18	5.92	844.0	15.5	2.15	52
11:21	5.96	851.0	15.4	3.22	65
11:22		Finished Purging			71

SAMPLING DATA

Date: 4/17/2014 | Time: 11:25

Method: Teflon Bailer | Sampling Depth: 14.06'

pH: 5.93 ***(SU)*** | Conductivity: 849 ***(umhos/cm)***

Temperature: 15.3 ***(°C)*** | Turbidity: 1.48 ***(NTU)***

PHYSICAL CHARACTERISTICS OF SAMPLE

Appearance: Clear | Odor: No Odor

Comments:

Sampled By: Randy Farley / Allen McBride / Billy Shirley

Sampler's Signature: Allen McBride | Date: 4/17/2014

REI CONSULTANTS, INC. GROUNDWATER SAMPLING LOG

Project Name: Old Franklin Landfill | Project : 1st Semi-2014 | Well #: MW-10

Contact Person: Chris Stahl | Phone #: 828-349-2100

WELL CONDITION DATA

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

Comments:

PURGING DATA

Date/Time: 4/17/2014 09:39 | Weather Conditions: Sunny 42 °F

Static Depth (Depth to Water)	10.80	(Ft)	Volume	56.33	(Liters)
Well Depth	108.10	(Ft)	3 Volumes	169.01	(Liters)
Water Column Height	97.30	(Ft)	Volume Purged	169.00	(Liters)

EVACUATION/STABILIZATION TEST DATA

Time	pH (SU)	Temperature Corrected Conductivity (umhos/cm)	Temperature (°C)	Turbidity (NTU)	Volume Purged (Liters)
09:45	6.37	514.0	11.9	22.80	1
09:53	6.27	521.0	13.1	9.76	32
10:04	6.36	583.0	13.1	3.38	64
10:10	6.38	580.0	13.5	1.99	96
10:20	6.35	583.0	13.6	1.79	128
10:28	6.36	586.0	13.7	1.30	160
10:31		Finished Purging			169

SAMPLING DATA

Date: 4/17/2014 | Time: 10:41

Method: Teflon Bailer | Sampling Depth: 13.08'

pH: 6.36 / Dup 6.34 ***(SU)*** | Conductivity: 591 / Dup 593 ***(umhos/cm)***

Temperature: 13.0 / Dup 13.1 ***(°C)*** | Turbidity: 0.33 / Dup 0.32 ***(NTU)***

PHYSICAL CHARACTERISTICS OF SAMPLE

Appearance: Clear | Odor: No Odor

Comments:

Sampled By: Randy Farley / Allen McBride / Billy Shirley

Sampler's Signature: Allen McBride | Date: 4/17/2014

Surface Water Sampling Log

REI Consultants, Inc.

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

Outlet:	Haire		
Date:	4/17/2014	Time:	09:28
pH:	5.30	Conductivity:	73.3 *umhos/cm*
Flow:	N/A	Temperature:	11.2 °*C*
Sample Odor and Physical Appearance:	Clear / No Odor		
Comments:	Turbidity = 0.07 NTU		

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

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

Old Franklin Landfill

Franklin, Macon County, North Carolina

Permit Number: 57-01

Appendix C:

Laboratory Results
and
Chain-of-Custody Record

REI Consultants, Inc.
PO Box 286
Beaver, WV 25813
TEL: 304.255.2500
Website: www.reiclabs.com

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

3029-C Peters Creek Road
Roanoke, VA 24019
TEL: 540.777.1276

101 17th Street
Ashland, KY 41101
TEL: 606.393.5027

1557 Commerce Road, Suite 201
Verona, VA 24482
TEL: 540.248.0183

16 Commerce Drive
Westover, WV 26501
TEL: 304.241.5861

Tuesday, April 29, 2014

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

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

RE: 1ST SEMI 2014

Work Order #: 1404L82

Dear Mr. Chris Stahl:

REI Consultants, Inc. received 10 sample(s) on 4/18/2014 for the analyses presented in the following report.

Sincerely,

Michelle Ellison

Michelle Ellison

REI Consultants, Inc. - Analytical Report

WO#: 1404L82

Date Reported: 4/29/2014

Client:	MACON COUNTY SOLID WASTE MANAGEMENT	**Collection Date:**	4/17/2014 11:48:00 AM
Project:	1ST SEMI 2014	**Date Received:**	4/18/2014
Lab ID:	1404L82-01A	**Matrix:**	Groundwater
Client Sample ID:	MW-1	**Site ID:**	OLD FRANKLIN

Analysis	Result	MDL	PQL	MCL	Qual	Units	Date Analyzed	NELAP
TOTAL METALS by ICP-MS			**Method: SW6020A (1998)**				**Analyst: JD**	
Antimony	ND	0.0002	0.0060	NA		mg/L	4/22/2014 1:13 AM	PA/VA
Arsenic	ND	0.0010	0.0100	NA		mg/L	4/22/2014 1:13 AM	PA/VA
Barium	0.250	0.0010	0.100	NA		mg/L	4/22/2014 1:13 AM	PA/VA
Beryllium	ND	0.0002	0.0010	NA		mg/L	4/22/2014 1:13 AM	PA/VA
Cadmium	0.0015	0.0002	0.0010	NA		mg/L	4/22/2014 1:13 AM	PA/VA
Chromium	0.0014	0.0010	0.0100	NA	J	mg/L	4/22/2014 1:13 AM	PA/VA
Cobalt	0.0064	0.0010	0.0100	NA	J	mg/L	4/22/2014 1:13 AM	PA/VA
Copper	0.0064	0.0010	0.0100	NA	J	mg/L	4/22/2014 1:13 AM	PA/VA
Lead	0.0004	0.0002	0.0100	NA	J	mg/L	4/22/2014 1:13 AM	PA/VA
Nickel	0.0079	0.0020	0.0500	NA	J	mg/L	4/22/2014 1:13 AM	PA/VA
Selenium	0.0017	0.0010	0.0100	NA	J	mg/L	4/22/2014 1:13 AM	PA/VA
Silver	ND	0.0010	0.0100	NA		mg/L	4/22/2014 1:13 AM	PA/VA
Thallium	ND	0.0002	0.0055	NA		mg/L	4/22/2014 1:13 AM	PA/VA
Vanadium	0.0018	0.0010	0.0250	NA	J	mg/L	4/22/2014 1:13 AM	PA/VA
Zinc	0.0197	0.0030	0.0100	NA		mg/L	4/22/2014 8:30 PM	PA/VA
VOLATILE ORGANIC COMPOUNDS-8260			**Method: SW8260B (1996)**				**Analyst: RB**	
Acetone	ND	4.88	100	NA		µg/L	4/24/2014 5:25 AM	PA/VA
Acrylonitrile	ND	4.24	200	NA		µg/L	4/24/2014 5:25 AM	PA/VA
Benzene	3.78	0.129	1.00	NA		µg/L	4/24/2014 5:25 AM	PA/VA
Bromochloromethane	ND	0.346	3.00	NA		µg/L	4/24/2014 5:25 AM	PA/VA
Bromodichloromethane	ND	0.162	1.00	NA		µg/L	4/24/2014 5:25 AM	PA/VA
Bromoform	ND	0.400	3.00	NA		µg/L	4/24/2014 5:25 AM	PA/VA
Bromomethane	ND	0.497	10.0	NA		µg/L	4/24/2014 5:25 AM	PA/VA
2-Butanone	ND	4.68	100	NA		µg/L	4/24/2014 5:25 AM	PA/VA
Carbon disulfide	ND	1.27	100	NA		µg/L	4/24/2014 5:25 AM	
Carbon tetrachloride	ND	0.250	1.00	NA		µg/L	4/24/2014 5:25 AM	PA/VA
Chlorobenzene	19.4	0.177	3.00	NA		µg/L	4/24/2014 5:25 AM	PA/VA
Chloroethane	ND	0.942	10.0	NA		µg/L	4/24/2014 5:25 AM	PA/VA
Chloroform	ND	0.253	5.00	NA		µg/L	4/24/2014 5:25 AM	PA/VA
Chloromethane	ND	0.327	1.00	NA		µg/L	4/24/2014 5:25 AM	PA/VA
Dibromochloromethane	ND	0.419	3.00	NA		µg/L	4/24/2014 5:25 AM	PA/VA
1,2-Dibromo-3-chloropropane	ND	0.499	13.0	NA		µg/L	4/24/2014 5:25 AM	PA/VA
1,2-Dibromoethane	ND	0.341	1.00	NA		µg/L	4/24/2014 5:25 AM	PA/VA
Dibromomethane	ND	0.293	10.0	NA		µg/L	4/24/2014 5:25 AM	PA/VA
1,2-Dichlorobenzene	4.12	0.450	5.00	NA	J	µg/L	4/24/2014 5:25 AM	PA/VA

REI Consultants, Inc. - Analytical Report

WO#: 1404L82

Date Reported: 4/29/2014

Client:	MACON COUNTY SOLID WASTE MANAGEMENT	**Collection Date:**	4/17/2014 11:48:00 AM
Project:	1ST SEMI 2014	**Date Received:**	4/18/2014
Lab ID:	1404L82-01A	**Matrix:**	Groundwater
Client Sample ID:	MW-1	**Site ID:**	OLD FRANKLIN

Analysis	Result	MDL	PQL	MCL	Qual	Units	Date Analyzed	NELAP
1,4-Dichlorobenzene	13.0	0.287	1.00	NA		µg/L	4/24/2014 5:25 AM	PA/VA
1,1-Dichloroethane	2.69	0.383	5.00	NA	J	µg/L	4/24/2014 5:25 AM	PA/VA
1,2-Dichloroethane	ND	0.428	1.00	NA		µg/L	4/24/2014 5:25 AM	PA/VA
1,1-Dichloroethene	ND	0.328	5.00	NA		µg/L	4/24/2014 5:25 AM	PA/VA
cis-1,2-Dichloroethene	15.7	0.226	5.00	NA		µg/L	4/24/2014 5:25 AM	PA/VA
trans-1,2-Dichloroethene	ND	0.392	5.00	NA		µg/L	4/24/2014 5:25 AM	PA/VA
1,2-Dichloropropane	ND	0.461	1.00	NA		µg/L	4/24/2014 5:25 AM	PA/VA
cis-1,3-Dichloropropene	ND	0.220	1.00	NA		µg/L	4/24/2014 5:25 AM	PA/VA
trans-1,3-Dichloropropene	ND	0.216	1.00	NA		µg/L	4/24/2014 5:25 AM	PA/VA
Ethylbenzene	ND	0.178	1.00	NA		µg/L	4/24/2014 5:25 AM	PA/VA
2-Hexanone	ND	4.11	50.0	NA		µg/L	4/24/2014 5:25 AM	PA/VA
Iodomethane	ND	3.44	10.0	NA		µg/L	4/24/2014 5:25 AM	PA/VA
Methylene chloride	ND	0.539	1.00	NA		µg/L	4/24/2014 5:25 AM	PA/VA
4-Methyl-2-pentanone	ND	4.40	100	NA		µg/L	4/24/2014 5:25 AM	PA/VA
Styrene	ND	0.240	1.00	NA		µg/L	4/24/2014 5:25 AM	PA/VA
1,1,1,2-Tetrachloroethane	ND	0.360	5.00	NA		µg/L	4/24/2014 5:25 AM	PA/VA
1,1,2,2-Tetrachloroethane	ND	0.384	3.00	NA		µg/L	4/24/2014 5:25 AM	PA/VA
Tetrachloroethene	0.890	0.196	1.00	NA	J	µg/L	4/24/2014 5:25 AM	PA/VA
Toluene	ND	0.167	1.00	NA		µg/L	4/24/2014 5:25 AM	PA/VA
1,1,1-Trichloroethane	ND	0.354	1.00	NA		µg/L	4/24/2014 5:25 AM	PA/VA
1,1,2-Trichloroethane	ND	0.492	1.00	NA		µg/L	4/24/2014 5:25 AM	PA/VA
Trichloroethene	1.02	0.302	1.00	NA		µg/L	4/24/2014 5:25 AM	PA/VA
Trichlorofluoromethane	ND	0.299	1.00	NA		µg/L	4/24/2014 5:25 AM	PA/VA
1,2,3-Trichloropropane	ND	0.358	1.00	NA		µg/L	4/24/2014 5:25 AM	PA/VA
Vinyl acetate	ND	4.87	50.0	NA		µg/L	4/24/2014 5:25 AM	PA
Vinyl chloride	0.580	0.223	1.00	NA	J	µg/L	4/24/2014 5:25 AM	PA/VA
o-Xylene	ND	0.186	1.00	NA		µg/L	4/24/2014 5:25 AM	PA/VA
m,p-Xylene	ND	0.287	2.00	NA		µg/L	4/24/2014 5:25 AM	PA/VA
Surr: 1,2-Dichloroethane-d4	108	NA	68.7-129	NA		%REC	4/24/2014 5:25 AM	
Surr: 4-Bromofluorobenzene	103	NA	71.8-127	NA		%REC	4/24/2014 5:25 AM	
Surr: Dibromofluoromethane	102	NA	74.3-124	NA		%REC	4/24/2014 5:25 AM	
Surr: Toluene-d8	97.9	NA	71.4-129	NA		%REC	4/24/2014 5:25 AM	
VOLATILE ORGANIC COMPOUNDS-ADDITIONAL			**Method: SW8260B (1996)**				**Analyst: RB**	
trans-1,4-Dichloro-2-butene	ND	2.81	100	NA		µg/L	4/24/2014 5:25 AM	PA/VA
Surr: 1,2-Dichloroethane-d4	106	NA	80-120	NA		%REC	4/24/2014 5:25 AM	
Surr: 4-Bromofluorobenzene	101	NA	80-120	NA		%REC	4/24/2014 5:25 AM	
Surr: Dibromofluoromethane	102	NA	80-120	NA		%REC	4/24/2014 5:25 AM	

REI Consultants, Inc. - Analytical Report

WO#: 1404L82

Date Reported: 4/29/2014

Client:	MACON COUNTY SOLID WASTE MANAGEMENT	**Collection Date:**	4/17/2014 11:48:00 AM
Project:	1ST SEMI 2014	**Date Received:**	4/18/2014
Lab ID:	1404L82-01A	**Matrix:**	Groundwater
Client Sample ID:	MW-1	**Site ID:**	OLD FRANKLIN

Analysis	Result	MDL	PQL	MCL	Qual	Units	Date Analyzed	NELAP
Surr: Toluene-d8	98.6	NA	80-120	NA		%REC	4/24/2014 5:25 AM	
TOTAL SUSPENDED SOLIDS			**Method: SM2540 D-1997**				**Analyst: SF**	
Total Suspended Solids	36.5	1.0	5.0	NA		mg/L	4/18/2014 2:50 PM	PA/VA

REI Consultants, Inc. - Analytical Report

WO#: 1404L82

Date Reported: 4/29/2014

Client:	MACON COUNTY SOLID WASTE MANAGEMENT	**Collection Date:**	4/17/2014 12:30:00 PM
Project:	1ST SEMI 2014	**Date Received:**	4/18/2014
Lab ID:	1404L82-02A	**Matrix:**	Groundwater
Client Sample ID:	MW-3	**Site ID:**	OLD FRANKLIN

Analysis	Result	MDL	PQL	MCL	Qual	Units	Date Analyzed	NELAP
TOTAL METALS by ICP-MS			**Method: SW6020A (1998)**				**Analyst: JD**	
Antimony	ND	0.0002	0.0060	NA		mg/L	4/22/2014 1:19 AM	PA/VA
Arsenic	0.0016	0.0010	0.0100	NA	J	mg/L	4/22/2014 1:19 AM	PA/VA
Barium	0.486	0.0010	0.100	NA		mg/L	4/22/2014 1:19 AM	PA/VA
Beryllium	ND	0.0002	0.0010	NA		mg/L	4/22/2014 1:19 AM	PA/VA
Cadmium	ND	0.0002	0.0010	NA		mg/L	4/22/2014 1:19 AM	PA/VA
Chromium	0.0029	0.0010	0.0100	NA	J	mg/L	4/22/2014 1:19 AM	PA/VA
Cobalt	0.0225	0.0010	0.0100	NA		mg/L	4/22/2014 1:19 AM	PA/VA
Copper	0.0162	0.0010	0.0100	NA		mg/L	4/22/2014 1:19 AM	PA/VA
Lead	0.0043	0.0002	0.0100	NA	J	mg/L	4/22/2014 1:19 AM	PA/VA
Nickel	0.0073	0.0020	0.0500	NA	J	mg/L	4/22/2014 1:19 AM	PA/VA
Selenium	ND	0.0010	0.0100	NA		mg/L	4/22/2014 1:19 AM	PA/VA
Silver	ND	0.0010	0.0100	NA		mg/L	4/22/2014 1:19 AM	PA/VA
Thallium	ND	0.0002	0.0055	NA		mg/L	4/22/2014 1:19 AM	PA/VA
Vanadium	0.0073	0.0010	0.0250	NA	J	mg/L	4/22/2014 1:19 AM	PA/VA
Zinc	0.0158	0.0030	0.0100	NA		mg/L	4/22/2014 8:35 PM	PA/VA
VOLATILE ORGANIC COMPOUNDS-8260			**Method: SW8260B (1996)**				**Analyst: RB**	
Acetone	ND	4.88	100	NA		µg/L	4/24/2014 5:58 AM	PA/VA
Acrylonitrile	ND	4.24	200	NA		µg/L	4/24/2014 5:58 AM	PA/VA
Benzene	ND	0.129	1.00	NA		µg/L	4/24/2014 5:58 AM	PA/VA
Bromochloromethane	ND	0.346	3.00	NA		µg/L	4/24/2014 5:58 AM	PA/VA
Bromodichloromethane	ND	0.162	1.00	NA		µg/L	4/24/2014 5:58 AM	PA/VA
Bromoform	ND	0.400	3.00	NA		µg/L	4/24/2014 5:58 AM	PA/VA
Bromomethane	ND	0.497	10.0	NA		µg/L	4/24/2014 5:58 AM	PA/VA
2-Butanone	ND	4.68	100	NA		µg/L	4/24/2014 5:58 AM	PA/VA
Carbon disulfide	ND	1.27	100	NA		µg/L	4/24/2014 5:58 AM	
Carbon tetrachloride	ND	0.250	1.00	NA		µg/L	4/24/2014 5:58 AM	PA/VA
Chlorobenzene	0.590	0.177	3.00	NA	J	µg/L	4/24/2014 5:58 AM	PA/VA
Chloroethane	ND	0.942	10.0	NA		µg/L	4/24/2014 5:58 AM	PA/VA
Chloroform	ND	0.253	5.00	NA		µg/L	4/24/2014 5:58 AM	PA/VA
Chloromethane	ND	0.327	1.00	NA		µg/L	4/24/2014 5:58 AM	PA/VA
Dibromochloromethane	ND	0.419	3.00	NA		µg/L	4/24/2014 5:58 AM	PA/VA
1,2-Dibromo-3-chloropropane	ND	0.499	13.0	NA		µg/L	4/24/2014 5:58 AM	PA/VA
1,2-Dibromoethane	ND	0.341	1.00	NA		µg/L	4/24/2014 5:58 AM	PA/VA
Dibromomethane	ND	0.293	10.0	NA		µg/L	4/24/2014 5:58 AM	PA/VA
1,2-Dichlorobenzene	0.990	0.450	5.00	NA	J	µg/L	4/24/2014 5:58 AM	PA/VA

REI Consultants, Inc. - Analytical Report

WO#: 1404L82

Date Reported: 4/29/2014

Client:	MACON COUNTY SOLID WASTE MANAGEMENT	**Collection Date:**	4/17/2014 12:30:00 PM
Project:	1ST SEMI 2014	**Date Received:**	4/18/2014
Lab ID:	1404L82-02A	**Matrix:**	Groundwater
Client Sample ID:	MW-3	**Site ID:**	OLD FRANKLIN

Analysis	Result	MDL	PQL	MCL	Qual	Units	Date Analyzed	NELAP
1,4-Dichlorobenzene	2.75	0.287	1.00	NA		µg/L	4/24/2014 5:58 AM	PA/VA
1,1-Dichloroethane	ND	0.383	5.00	NA		µg/L	4/24/2014 5:58 AM	PA/VA
1,2-Dichloroethane	ND	0.428	1.00	NA		µg/L	4/24/2014 5:58 AM	PA/VA
1,1-Dichloroethene	ND	0.328	5.00	NA		µg/L	4/24/2014 5:58 AM	PA/VA
cis-1,2-Dichloroethene	ND	0.226	5.00	NA		µg/L	4/24/2014 5:58 AM	PA/VA
trans-1,2-Dichloroethene	ND	0.392	5.00	NA		µg/L	4/24/2014 5:58 AM	PA/VA
1,2-Dichloropropane	ND	0.461	1.00	NA		µg/L	4/24/2014 5:58 AM	PA/VA
cis-1,3-Dichloropropene	ND	0.220	1.00	NA		µg/L	4/24/2014 5:58 AM	PA/VA
trans-1,3-Dichloropropene	ND	0.216	1.00	NA		µg/L	4/24/2014 5:58 AM	PA/VA
Ethylbenzene	ND	0.178	1.00	NA		µg/L	4/24/2014 5:58 AM	PA/VA
2-Hexanone	ND	4.11	50.0	NA		µg/L	4/24/2014 5:58 AM	PA/VA
Iodomethane	ND	3.44	10.0	NA		µg/L	4/24/2014 5:58 AM	PA/VA
Methylene chloride	ND	0.539	1.00	NA		µg/L	4/24/2014 5:58 AM	PA/VA
4-Methyl-2-pentanone	ND	4.40	100	NA		µg/L	4/24/2014 5:58 AM	PA/VA
Styrene	ND	0.240	1.00	NA		µg/L	4/24/2014 5:58 AM	PA/VA
1,1,1,2-Tetrachloroethane	ND	0.360	5.00	NA		µg/L	4/24/2014 5:58 AM	PA/VA
1,1,2,2-Tetrachloroethane	ND	0.384	3.00	NA		µg/L	4/24/2014 5:58 AM	PA/VA
Tetrachloroethene	ND	0.196	1.00	NA		µg/L	4/24/2014 5:58 AM	PA/VA
Toluene	ND	0.167	1.00	NA		µg/L	4/24/2014 5:58 AM	PA/VA
1,1,1-Trichloroethane	ND	0.354	1.00	NA		µg/L	4/24/2014 5:58 AM	PA/VA
1,1,2-Trichloroethane	ND	0.492	1.00	NA		µg/L	4/24/2014 5:58 AM	PA/VA
Trichloroethene	ND	0.302	1.00	NA		µg/L	4/24/2014 5:58 AM	PA/VA
Trichlorofluoromethane	ND	0.299	1.00	NA		µg/L	4/24/2014 5:58 AM	PA/VA
1,2,3-Trichloropropane	ND	0.358	1.00	NA		µg/L	4/24/2014 5:58 AM	PA/VA
Vinyl acetate	ND	4.87	50.0	NA		µg/L	4/24/2014 5:58 AM	PA
Vinyl chloride	ND	0.223	1.00	NA		µg/L	4/24/2014 5:58 AM	PA/VA
o-Xylene	ND	0.186	1.00	NA		µg/L	4/24/2014 5:58 AM	PA/VA
m,p-Xylene	ND	0.287	2.00	NA		µg/L	4/24/2014 5:58 AM	PA/VA
Surr: 1,2-Dichloroethane-d4	108	NA	68.7-129	NA		%REC	4/24/2014 5:58 AM	
Surr: 4-Bromofluorobenzene	101	NA	71.8-127	NA		%REC	4/24/2014 5:58 AM	
Surr: Dibromofluoromethane	102	NA	74.3-124	NA		%REC	4/24/2014 5:58 AM	
Surr: Toluene-d8	97.0	NA	71.4-129	NA		%REC	4/24/2014 5:58 AM	
VOLATILE ORGANIC COMPOUNDS-ADDITIONAL			**Method: SW8260B (1996)**				**Analyst: RB**	
trans-1,4-Dichloro-2-butene	ND	2.81	100	NA		µg/L	4/24/2014 5:58 AM	PA/VA
Surr: 1,2-Dichloroethane-d4	106	NA	80-120	NA		%REC	4/24/2014 5:58 AM	
Surr: 4-Bromofluorobenzene	96.2	NA	80-120	NA		%REC	4/24/2014 5:58 AM	
Surr: Dibromofluoromethane	102	NA	80-120	NA		%REC	4/24/2014 5:58 AM	

REI Consultants, Inc. - Analytical Report

WO#: 1404L82

Date Reported: 4/29/2014

Client:	MACON COUNTY SOLID WASTE MANAGEMENT	**Collection Date:**	4/17/2014 12:30:00 PM
Project:	1ST SEMI 2014	**Date Received:**	4/18/2014
Lab ID:	1404L82-02A	**Matrix:**	Groundwater
Client Sample ID:	MW-3	**Site ID:**	OLD FRANKLIN

Analysis	Result	MDL	PQL	MCL	Qual	Units	Date Analyzed	NELAP
Surr: Toluene-d8	97.9	NA	80-120	NA		%REC	4/24/2014 5:58 AM	
TOTAL SUSPENDED SOLIDS			**Method: SM2540 D-1997**				**Analyst: SF**	
Total Suspended Solids	498	4.0	20.0	NA		mg/L	4/18/2014 2:50 PM	PA/VA

REI Consultants, Inc. - Analytical Report

WO#: 1404L82

Date Reported: 4/29/2014

Client:	MACON COUNTY SOLID WASTE MANAGEMENT	**Collection Date:**	4/17/2014 9:15:00 AM
Project:	1ST SEMI 2014	**Date Received:**	4/18/2014
Lab ID:	1404L82-03A	**Matrix:**	Groundwater
Client Sample ID:	MW-6	**Site ID:**	OLD FRANKLIN

Analysis	Result	MDL	PQL	MCL	Qual	Units	Date Analyzed	NELAP
TOTAL METALS by ICP-MS			**Method: SW6020A (1998)**				**Analyst: JD**	
Antimony	ND	0.0002	0.0060	NA		mg/L	4/22/2014 1:25 AM	PA/VA
Arsenic	ND	0.0010	0.0100	NA		mg/L	4/22/2014 1:25 AM	PA/VA
Barium	0.480	0.0010	0.100	NA		mg/L	4/22/2014 1:25 AM	PA/VA
Beryllium	ND	0.0002	0.0010	NA		mg/L	4/22/2014 1:25 AM	PA/VA
Cadmium	ND	0.0002	0.0010	NA		mg/L	4/22/2014 1:25 AM	PA/VA
Chromium	0.0014	0.0010	0.0100	NA	J	mg/L	4/22/2014 1:25 AM	PA/VA
Cobalt	0.0061	0.0010	0.0100	NA	J	mg/L	4/22/2014 1:25 AM	PA/VA
Copper	0.0104	0.0010	0.0100	NA		mg/L	4/22/2014 1:25 AM	PA/VA
Lead	0.0066	0.0002	0.0100	NA	J	mg/L	4/22/2014 1:25 AM	PA/VA
Nickel	ND	0.0020	0.0500	NA		mg/L	4/22/2014 1:25 AM	PA/VA
Selenium	ND	0.0010	0.0100	NA		mg/L	4/22/2014 1:25 AM	PA/VA
Silver	ND	0.0010	0.0100	NA		mg/L	4/22/2014 1:25 AM	PA/VA
Thallium	ND	0.0002	0.0055	NA		mg/L	4/22/2014 1:25 AM	PA/VA
Vanadium	0.0038	0.0010	0.0250	NA	J	mg/L	4/22/2014 1:25 AM	PA/VA
Zinc	0.0131	0.0030	0.0100	NA		mg/L	4/22/2014 8:41 PM	PA/VA
VOLATILE ORGANIC COMPOUNDS-8260			**Method: SW8260B (1996)**				**Analyst: RB**	
Acetone	ND	4.88	100	NA		µg/L	4/24/2014 6:31 AM	PA/VA
Acrylonitrile	ND	4.24	200	NA		µg/L	4/24/2014 6:31 AM	PA/VA
Benzene	ND	0.129	1.00	NA		µg/L	4/24/2014 6:31 AM	PA/VA
Bromochloromethane	ND	0.346	3.00	NA		µg/L	4/24/2014 6:31 AM	PA/VA
Bromodichloromethane	ND	0.162	1.00	NA		µg/L	4/24/2014 6:31 AM	PA/VA
Bromoform	ND	0.400	3.00	NA		µg/L	4/24/2014 6:31 AM	PA/VA
Bromomethane	ND	0.497	10.0	NA		µg/L	4/24/2014 6:31 AM	PA/VA
2-Butanone	ND	4.68	100	NA		µg/L	4/24/2014 6:31 AM	PA/VA
Carbon disulfide	ND	1.27	100	NA		µg/L	4/24/2014 6:31 AM	
Carbon tetrachloride	ND	0.250	1.00	NA		µg/L	4/24/2014 6:31 AM	PA/VA
Chlorobenzene	ND	0.177	3.00	NA		µg/L	4/24/2014 6:31 AM	PA/VA
Chloroethane	ND	0.942	10.0	NA		µg/L	4/24/2014 6:31 AM	PA/VA
Chloroform	ND	0.253	5.00	NA		µg/L	4/24/2014 6:31 AM	PA/VA
Chloromethane	ND	0.327	1.00	NA		µg/L	4/24/2014 6:31 AM	PA/VA
Dibromochloromethane	ND	0.419	3.00	NA		µg/L	4/24/2014 6:31 AM	PA/VA
1,2-Dibromo-3-chloropropane	ND	0.499	13.0	NA		µg/L	4/24/2014 6:31 AM	PA/VA
1,2-Dibromoethane	ND	0.341	1.00	NA		µg/L	4/24/2014 6:31 AM	PA/VA
Dibromomethane	ND	0.293	10.0	NA		µg/L	4/24/2014 6:31 AM	PA/VA
1,2-Dichlorobenzene	ND	0.450	5.00	NA		µg/L	4/24/2014 6:31 AM	PA/VA

REI Consultants, Inc. - Analytical Report

WO#: 1404L82

Date Reported: 4/29/2014

Client:	MACON COUNTY SOLID WASTE MANAGEMENT	**Collection Date:**	4/17/2014 9:15:00 AM
Project:	1ST SEMI 2014	**Date Received:**	4/18/2014
Lab ID:	1404L82-03A	**Matrix:**	Groundwater
Client Sample ID:	MW-6	**Site ID:**	OLD FRANKLIN

Analysis	Result	MDL	PQL	MCL	Qual	Units	Date Analyzed	NELAP
1,4-Dichlorobenzene	1.72	0.287	1.00	NA		µg/L	4/24/2014 6:31 AM	PA/VA
1,1-Dichloroethane	ND	0.383	5.00	NA		µg/L	4/24/2014 6:31 AM	PA/VA
1,2-Dichloroethane	ND	0.428	1.00	NA		µg/L	4/24/2014 6:31 AM	PA/VA
1,1-Dichloroethene	ND	0.328	5.00	NA		µg/L	4/24/2014 6:31 AM	PA/VA
cis-1,2-Dichloroethene	0.580	0.226	5.00	NA	J	µg/L	4/24/2014 6:31 AM	PA/VA
trans-1,2-Dichloroethene	ND	0.392	5.00	NA		µg/L	4/24/2014 6:31 AM	PA/VA
1,2-Dichloropropane	ND	0.461	1.00	NA		µg/L	4/24/2014 6:31 AM	PA/VA
cis-1,3-Dichloropropene	ND	0.220	1.00	NA		µg/L	4/24/2014 6:31 AM	PA/VA
trans-1,3-Dichloropropene	ND	0.216	1.00	NA		µg/L	4/24/2014 6:31 AM	PA/VA
Ethylbenzene	ND	0.178	1.00	NA		µg/L	4/24/2014 6:31 AM	PA/VA
2-Hexanone	ND	4.11	50.0	NA		µg/L	4/24/2014 6:31 AM	PA/VA
Iodomethane	ND	3.44	10.0	NA		µg/L	4/24/2014 6:31 AM	PA/VA
Methylene chloride	ND	0.539	1.00	NA		µg/L	4/24/2014 6:31 AM	PA/VA
4-Methyl-2-pentanone	ND	4.40	100	NA		µg/L	4/24/2014 6:31 AM	PA/VA
Styrene	ND	0.240	1.00	NA		µg/L	4/24/2014 6:31 AM	PA/VA
1,1,1,2-Tetrachloroethane	ND	0.360	5.00	NA		µg/L	4/24/2014 6:31 AM	PA/VA
1,1,2,2-Tetrachloroethane	ND	0.384	3.00	NA		µg/L	4/24/2014 6:31 AM	PA/VA
Tetrachloroethene	ND	0.196	1.00	NA		µg/L	4/24/2014 6:31 AM	PA/VA
Toluene	ND	0.167	1.00	NA		µg/L	4/24/2014 6:31 AM	PA/VA
1,1,1-Trichloroethane	ND	0.354	1.00	NA		µg/L	4/24/2014 6:31 AM	PA/VA
1,1,2-Trichloroethane	ND	0.492	1.00	NA		µg/L	4/24/2014 6:31 AM	PA/VA
Trichloroethene	ND	0.302	1.00	NA		µg/L	4/24/2014 6:31 AM	PA/VA
Trichlorofluoromethane	ND	0.299	1.00	NA		µg/L	4/24/2014 6:31 AM	PA/VA
1,2,3-Trichloropropane	ND	0.358	1.00	NA		µg/L	4/24/2014 6:31 AM	PA/VA
Vinyl acetate	ND	4.87	50.0	NA		µg/L	4/24/2014 6:31 AM	PA
Vinyl chloride	ND	0.223	1.00	NA		µg/L	4/24/2014 6:31 AM	PA/VA
o-Xylene	ND	0.186	1.00	NA		µg/L	4/24/2014 6:31 AM	PA/VA
m,p-Xylene	ND	0.287	2.00	NA		µg/L	4/24/2014 6:31 AM	PA/VA
Surr: 1,2-Dichloroethane-d4	108	NA	68.7-129	NA		%REC	4/24/2014 6:31 AM	
Surr: 4-Bromofluorobenzene	99.5	NA	71.8-127	NA		%REC	4/24/2014 6:31 AM	
Surr: Dibromofluoromethane	103	NA	74.3-124	NA		%REC	4/24/2014 6:31 AM	
Surr: Toluene-d8	98.4	NA	71.4-129	NA		%REC	4/24/2014 6:31 AM	
VOLATILE ORGANIC COMPOUNDS-ADDITIONAL			**Method: SW8260B (1996)**				**Analyst: RB**	
trans-1,4-Dichloro-2-butene	ND	2.81	100	NA		µg/L	4/24/2014 6:31 AM	PA/VA
Surr: 1,2-Dichloroethane-d4	106	NA	80-120	NA		%REC	4/24/2014 6:31 AM	
Surr: 4-Bromofluorobenzene	98.2	NA	80-120	NA		%REC	4/24/2014 6:31 AM	
Surr: Dibromofluoromethane	101	NA	80-120	NA		%REC	4/24/2014 6:31 AM	

REI Consultants, Inc. - Analytical Report

WO#: 1404L82

Date Reported: 4/29/2014

Client:	MACON COUNTY SOLID WASTE MANAGEMENT	**Collection Date:**	4/17/2014 9:15:00 AM
Project:	1ST SEMI 2014	**Date Received:**	4/18/2014
Lab ID:	1404L82-03A	**Matrix:**	Groundwater
Client Sample ID:	MW-6	**Site ID:**	OLD FRANKLIN

Analysis	Result	MDL	PQL	MCL	Qual	Units	Date Analyzed	NELAP
Surr: Toluene-d8	99.2	NA	80-120	NA		%REC	4/24/2014 6:31 AM	
TOTAL SUSPENDED SOLIDS			**Method: SM2540 D-1997**				**Analyst: SF**	
Total Suspended Solids	714	4.0	20.0	NA		mg/L	4/18/2014 2:50 PM	PA/VA

REI Consultants, Inc. - Analytical Report

WO#: 1404L82

Date Reported: 4/29/2014

Client:	MACON COUNTY SOLID WASTE MANAGEMENT	**Collection Date:**	4/17/2014 8:55:00 AM
Project:	1ST SEMI 2014	**Date Received:**	4/18/2014
Lab ID:	1404L82-04A	**Matrix:**	Groundwater
Client Sample ID:	MW-6CR	**Site ID:**	OLD FRANKLIN

Analysis	Result	MDL	PQL	MCL	Qual	Units	Date Analyzed	NELAP
TOTAL METALS by ICP-MS			**Method: SW6020A (1998)**				**Analyst: JD**	
Antimony	ND	0.0002	0.0060	NA		mg/L	4/22/2014 1:30 AM	PA/VA
Arsenic	0.0065	0.0010	0.0100	NA	J	mg/L	4/22/2014 1:30 AM	PA/VA
Barium	0.336	0.0010	0.100	NA		mg/L	4/22/2014 1:30 AM	PA/VA
Beryllium	ND	0.0002	0.0010	NA		mg/L	4/22/2014 1:30 AM	PA/VA
Cadmium	ND	0.0002	0.0010	NA		mg/L	4/22/2014 1:30 AM	PA/VA
Chromium	ND	0.0010	0.0100	NA		mg/L	4/22/2014 1:30 AM	PA/VA
Cobalt	0.0333	0.0010	0.0100	NA		mg/L	4/22/2014 1:30 AM	PA/VA
Copper	0.0034	0.0010	0.0100	NA	J	mg/L	4/22/2014 1:30 AM	PA/VA
Lead	ND	0.0002	0.0100	NA		mg/L	4/22/2014 1:30 AM	PA/VA
Nickel	0.0156	0.0020	0.0500	NA	J	mg/L	4/22/2014 1:30 AM	PA/VA
Selenium	ND	0.0010	0.0100	NA		mg/L	4/22/2014 1:30 AM	PA/VA
Silver	ND	0.0010	0.0100	NA		mg/L	4/22/2014 1:30 AM	PA/VA
Thallium	ND	0.0002	0.0055	NA		mg/L	4/22/2014 1:30 AM	PA/VA
Vanadium	ND	0.0010	0.0250	NA		mg/L	4/22/2014 1:30 AM	PA/VA
Zinc	0.0142	0.0030	0.0100	NA		mg/L	4/22/2014 8:47 PM	PA/VA
VOLATILE ORGANIC COMPOUNDS-8260			**Method: SW8260B (1996)**				**Analyst: RB**	
Acetone	ND	4.88	100	NA		µg/L	4/25/2014 1:27 AM	PA/VA
Acrylonitrile	ND	4.24	200	NA		µg/L	4/25/2014 1:27 AM	PA/VA
Benzene	1.74	0.129	1.00	NA		µg/L	4/25/2014 1:27 AM	PA/VA
Bromochloromethane	ND	0.346	3.00	NA		µg/L	4/25/2014 1:27 AM	PA/VA
Bromodichloromethane	ND	0.162	1.00	NA		µg/L	4/25/2014 1:27 AM	PA/VA
Bromoform	ND	0.400	3.00	NA		µg/L	4/25/2014 1:27 AM	PA/VA
Bromomethane	ND	0.497	10.0	NA		µg/L	4/25/2014 1:27 AM	PA/VA
2-Butanone	ND	4.68	100	NA		µg/L	4/25/2014 1:27 AM	PA/VA
Carbon disulfide	ND	1.27	100	NA		µg/L	4/25/2014 1:27 AM	
Carbon tetrachloride	ND	0.250	1.00	NA		µg/L	4/25/2014 1:27 AM	PA/VA
Chlorobenzene	2.85	0.177	3.00	NA	J	µg/L	4/25/2014 1:27 AM	PA/VA
Chloroethane	1.08	0.942	10.0	NA	J	µg/L	4/25/2014 1:27 AM	PA/VA
Chloroform	ND	0.253	5.00	NA		µg/L	4/25/2014 1:27 AM	PA/VA
Chloromethane	ND	0.327	1.00	NA		µg/L	4/25/2014 1:27 AM	PA/VA
Dibromochloromethane	ND	0.419	3.00	NA		µg/L	4/25/2014 1:27 AM	PA/VA
1,2-Dibromo-3-chloropropane	ND	0.499	13.0	NA		µg/L	4/25/2014 1:27 AM	PA/VA
1,2-Dibromoethane	ND	0.341	1.00	NA		µg/L	4/25/2014 1:27 AM	PA/VA
Dibromomethane	ND	0.293	10.0	NA		µg/L	4/25/2014 1:27 AM	PA/VA
1,2-Dichlorobenzene	0.570	0.450	5.00	NA	J	µg/L	4/25/2014 1:27 AM	PA/VA

REI Consultants, Inc. - Analytical Report

WO#: 1404L82

Date Reported: 4/29/2014

Client:	MACON COUNTY SOLID WASTE MANAGEMENT	**Collection Date:**	4/17/2014 8:55:00 AM
Project:	1ST SEMI 2014	**Date Received:**	4/18/2014
Lab ID:	1404L82-04A	**Matrix:**	Groundwater
Client Sample ID:	MW-6CR	**Site ID:**	OLD FRANKLIN

Analysis	Result	MDL	PQL	MCL	Qual	Units	Date Analyzed	NELAP
1,4-Dichlorobenzene	12.6	0.287	1.00	NA		µg/L	4/25/2014 1:27 AM	PA/VA
1,1-Dichloroethane	1.07	0.383	5.00	NA	J	µg/L	4/25/2014 1:27 AM	PA/VA
1,2-Dichloroethane	0.650	0.428	1.00	NA	J	µg/L	4/25/2014 1:27 AM	PA/VA
1,1-Dichloroethene	ND	0.328	5.00	NA		µg/L	4/25/2014 1:27 AM	PA/VA
cis-1,2-Dichloroethene	15.6	0.226	5.00	NA		µg/L	4/25/2014 1:27 AM	PA/VA
trans-1,2-Dichloroethene	ND	0.392	5.00	NA		µg/L	4/25/2014 1:27 AM	PA/VA
1,2-Dichloropropane	ND	0.461	1.00	NA		µg/L	4/25/2014 1:27 AM	PA/VA
cis-1,3-Dichloropropene	ND	0.220	1.00	NA		µg/L	4/25/2014 1:27 AM	PA/VA
trans-1,3-Dichloropropene	ND	0.216	1.00	NA		µg/L	4/25/2014 1:27 AM	PA/VA
Ethylbenzene	ND	0.178	1.00	NA		µg/L	4/25/2014 1:27 AM	PA/VA
2-Hexanone	ND	4.11	50.0	NA		µg/L	4/25/2014 1:27 AM	PA/VA
Iodomethane	ND	3.44	10.0	NA		µg/L	4/25/2014 1:27 AM	PA/VA
Methylene chloride	ND	0.539	1.00	NA		µg/L	4/25/2014 1:27 AM	PA/VA
4-Methyl-2-pentanone	ND	4.40	100	NA		µg/L	4/25/2014 1:27 AM	PA/VA
Styrene	ND	0.240	1.00	NA		µg/L	4/25/2014 1:27 AM	PA/VA
1,1,1,2-Tetrachloroethane	ND	0.360	5.00	NA		µg/L	4/25/2014 1:27 AM	PA/VA
1,1,2,2-Tetrachloroethane	ND	0.384	3.00	NA		µg/L	4/25/2014 1:27 AM	PA/VA
Tetrachloroethene	0.470	0.196	1.00	NA	J	µg/L	4/25/2014 1:27 AM	PA/VA
Toluene	ND	0.167	1.00	NA		µg/L	4/25/2014 1:27 AM	PA/VA
1,1,1-Trichloroethane	ND	0.354	1.00	NA		µg/L	4/25/2014 1:27 AM	PA/VA
1,1,2-Trichloroethane	ND	0.492	1.00	NA		µg/L	4/25/2014 1:27 AM	PA/VA
Trichloroethene	1.19	0.302	1.00	NA		µg/L	4/25/2014 1:27 AM	PA/VA
Trichlorofluoromethane	ND	0.299	1.00	NA		µg/L	4/25/2014 1:27 AM	PA/VA
1,2,3-Trichloropropane	ND	0.358	1.00	NA		µg/L	4/25/2014 1:27 AM	PA/VA
Vinyl acetate	ND	4.87	50.0	NA		µg/L	4/25/2014 1:27 AM	PA
Vinyl chloride	ND	0.223	1.00	NA		µg/L	4/25/2014 1:27 AM	PA/VA
o-Xylene	ND	0.186	1.00	NA		µg/L	4/25/2014 1:27 AM	PA/VA
m,p-Xylene	ND	0.287	2.00	NA		µg/L	4/25/2014 1:27 AM	PA/VA
Surr: 1,2-Dichloroethane-d4	111	NA	68.7-129	NA		%REC	4/25/2014 1:27 AM	
Surr: 4-Bromofluorobenzene	101	NA	71.8-127	NA		%REC	4/25/2014 1:27 AM	
Surr: Dibromofluoromethane	104	NA	74.3-124	NA		%REC	4/25/2014 1:27 AM	
Surr: Toluene-d8	97.0	NA	71.4-129	NA		%REC	4/25/2014 1:27 AM	
VOLATILE ORGANIC COMPOUNDS-ADDITIONAL			**Method: SW8260B (1996)**				**Analyst: RB**	
trans-1,4-Dichloro-2-butene	ND	2.81	100	NA		µg/L	4/25/2014 1:27 AM	PA/VA
Surr: 1,2-Dichloroethane-d4	109	NA	80-120	NA		%REC	4/25/2014 1:27 AM	
Surr: 4-Bromofluorobenzene	100	NA	80-120	NA		%REC	4/25/2014 1:27 AM	
Surr: Dibromofluoromethane	103	NA	80-120	NA		%REC	4/25/2014 1:27 AM	

REI Consultants, Inc. - Analytical Report

WO#: 1404L82

Date Reported: 4/29/2014

Client:	MACON COUNTY SOLID WASTE MANAGEMENT	**Collection Date:**	4/17/2014 8:55:00 AM
Project:	1ST SEMI 2014	**Date Received:**	4/18/2014
Lab ID:	1404L82-04A	**Matrix:**	Groundwater
Client Sample ID:	MW-6CR	**Site ID:**	OLD FRANKLIN

Analysis	Result	MDL	PQL	MCL	Qual	Units	Date Analyzed	NELAP
Surr: Toluene-d8	97.9	NA	80-120	NA		%REC	4/25/2014 1:27 AM	
TOTAL SUSPENDED SOLIDS			**Method: SM2540 D-1997**				**Analyst: SF**	
Total Suspended Solids	5.0	1.0	5.0	NA		mg/L	4/18/2014 2:50 PM	PA/VA

REI Consultants, Inc. - Analytical Report

WO#: 1404L82

Date Reported: 4/29/2014

Client:	MACON COUNTY SOLID WASTE MANAGEMENT	**Collection Date:**	4/17/2014 11:04:00 AM
Project:	1ST SEMI 2014	**Date Received:**	4/18/2014
Lab ID:	1404L82-05A	**Matrix:**	Groundwater
Client Sample ID:	MW-7	**Site ID:**	OLD FRANKLIN

Analysis	Result	MDL	PQL	MCL	Qual	Units	Date Analyzed	NELAP
TOTAL METALS by ICP-MS			**Method: SW6020A (1998)**				**Analyst: JD**	
Antimony	ND	0.0002	0.0060	NA		mg/L	4/22/2014 1:36 AM	PA/VA
Arsenic	ND	0.0010	0.0100	NA		mg/L	4/22/2014 1:36 AM	PA/VA
Barium	1.07	0.0010	0.100	NA		mg/L	4/22/2014 1:36 AM	PA/VA
Beryllium	0.0005	0.0002	0.0010	NA	J	mg/L	4/22/2014 1:36 AM	PA/VA
Cadmium	0.0004	0.0002	0.0010	NA	J	mg/L	4/22/2014 1:36 AM	PA/VA
Chromium	0.0098	0.0010	0.0100	NA	J	mg/L	4/22/2014 1:36 AM	PA/VA
Cobalt	0.0173	0.0010	0.0100	NA		mg/L	4/22/2014 1:36 AM	PA/VA
Copper	0.0246	0.0010	0.0100	NA		mg/L	4/22/2014 1:36 AM	PA/VA
Lead	0.0047	0.0002	0.0100	NA	J	mg/L	4/22/2014 1:36 AM	PA/VA
Nickel	0.0056	0.0020	0.0500	NA	J	mg/L	4/22/2014 1:36 AM	PA/VA
Selenium	0.0016	0.0010	0.0100	NA	J	mg/L	4/22/2014 1:36 AM	PA/VA
Silver	ND	0.0010	0.0100	NA		mg/L	4/22/2014 1:36 AM	PA/VA
Thallium	ND	0.0002	0.0055	NA		mg/L	4/22/2014 1:36 AM	PA/VA
Vanadium	0.0194	0.0010	0.0250	NA	J	mg/L	4/22/2014 1:36 AM	PA/VA
Zinc	0.0315	0.0030	0.0100	NA		mg/L	4/22/2014 8:52 PM	PA/VA
VOLATILE ORGANIC COMPOUNDS-8260			**Method: SW8260B (1996)**				**Analyst: RB**	
Acetone	ND	4.88	100	NA		µg/L	4/25/2014 3:16 PM	PA/VA
Acrylonitrile	ND	4.24	200	NA		µg/L	4/25/2014 3:16 PM	PA/VA
Benzene	ND	0.129	1.00	NA		µg/L	4/25/2014 3:16 PM	PA/VA
Bromochloromethane	ND	0.346	3.00	NA		µg/L	4/25/2014 3:16 PM	PA/VA
Bromodichloromethane	ND	0.162	1.00	NA		µg/L	4/25/2014 3:16 PM	PA/VA
Bromoform	ND	0.400	3.00	NA		µg/L	4/25/2014 3:16 PM	PA/VA
Bromomethane	ND	0.497	10.0	NA		µg/L	4/25/2014 3:16 PM	PA/VA
2-Butanone	ND	4.68	100	NA		µg/L	4/25/2014 3:16 PM	PA/VA
Carbon disulfide	ND	1.27	100	NA		µg/L	4/25/2014 3:16 PM	
Carbon tetrachloride	ND	0.250	1.00	NA		µg/L	4/25/2014 3:16 PM	PA/VA
Chlorobenzene	0.320	0.177	3.00	NA	J	µg/L	4/25/2014 3:16 PM	PA/VA
Chloroethane	ND	0.942	10.0	NA		µg/L	4/25/2014 3:16 PM	PA/VA
Chloroform	ND	0.253	5.00	NA		µg/L	4/25/2014 3:16 PM	PA/VA
Chloromethane	ND	0.327	1.00	NA		µg/L	4/25/2014 3:16 PM	PA/VA
Dibromochloromethane	ND	0.419	3.00	NA		µg/L	4/25/2014 3:16 PM	PA/VA
1,2-Dibromo-3-chloropropane	ND	0.499	13.0	NA		µg/L	4/25/2014 3:16 PM	PA/VA
1,2-Dibromoethane	ND	0.341	1.00	NA		µg/L	4/25/2014 3:16 PM	PA/VA
Dibromomethane	ND	0.293	10.0	NA		µg/L	4/25/2014 3:16 PM	PA/VA
1,2-Dichlorobenzene	ND	0.450	5.00	NA		µg/L	4/25/2014 3:16 PM	PA/VA

REI Consultants, Inc. - Analytical Report

WO#: 1404L82

Date Reported: 4/29/2014

Client:	MACON COUNTY SOLID WASTE MANAGEMENT	**Collection Date:**	4/17/2014 11:04:00 AM
Project:	1ST SEMI 2014	**Date Received:**	4/18/2014
Lab ID:	1404L82-05A	**Matrix:**	Groundwater
Client Sample ID:	MW-7	**Site ID:**	OLD FRANKLIN

Analysis	Result	MDL	PQL	MCL	Qual	Units	Date Analyzed	NELAP
1,4-Dichlorobenzene	0.430	0.287	1.00	NA	J	µg/L	4/25/2014 3:16 PM	PA/VA
1,1-Dichloroethane	ND	0.383	5.00	NA		µg/L	4/25/2014 3:16 PM	PA/VA
1,2-Dichloroethane	ND	0.428	1.00	NA		µg/L	4/25/2014 3:16 PM	PA/VA
1,1-Dichloroethene	ND	0.328	5.00	NA		µg/L	4/25/2014 3:16 PM	PA/VA
cis-1,2-Dichloroethene	ND	0.226	5.00	NA		µg/L	4/25/2014 3:16 PM	PA/VA
trans-1,2-Dichloroethene	ND	0.392	5.00	NA		µg/L	4/25/2014 3:16 PM	PA/VA
1,2-Dichloropropane	ND	0.461	1.00	NA		µg/L	4/25/2014 3:16 PM	PA/VA
cis-1,3-Dichloropropene	ND	0.220	1.00	NA		µg/L	4/25/2014 3:16 PM	PA/VA
trans-1,3-Dichloropropene	ND	0.216	1.00	NA		µg/L	4/25/2014 3:16 PM	PA/VA
Ethylbenzene	ND	0.178	1.00	NA		µg/L	4/25/2014 3:16 PM	PA/VA
2-Hexanone	ND	4.11	50.0	NA		µg/L	4/25/2014 3:16 PM	PA/VA
Iodomethane	ND	3.44	10.0	NA		µg/L	4/25/2014 3:16 PM	PA/VA
Methylene chloride	ND	0.539	1.00	NA		µg/L	4/25/2014 3:16 PM	PA/VA
4-Methyl-2-pentanone	ND	4.40	100	NA		µg/L	4/25/2014 3:16 PM	PA/VA
Styrene	ND	0.240	1.00	NA		µg/L	4/25/2014 3:16 PM	PA/VA
1,1,1,2-Tetrachloroethane	ND	0.360	5.00	NA		µg/L	4/25/2014 3:16 PM	PA/VA
1,1,2,2-Tetrachloroethane	ND	0.384	3.00	NA		µg/L	4/25/2014 3:16 PM	PA/VA
Tetrachloroethene	ND	0.196	1.00	NA		µg/L	4/25/2014 3:16 PM	PA/VA
Toluene	ND	0.167	1.00	NA		µg/L	4/25/2014 3:16 PM	PA/VA
1,1,1-Trichloroethane	ND	0.354	1.00	NA		µg/L	4/25/2014 3:16 PM	PA/VA
1,1,2-Trichloroethane	ND	0.492	1.00	NA		µg/L	4/25/2014 3:16 PM	PA/VA
Trichloroethene	ND	0.302	1.00	NA		µg/L	4/25/2014 3:16 PM	PA/VA
Trichlorofluoromethane	ND	0.299	1.00	NA		µg/L	4/25/2014 3:16 PM	PA/VA
1,2,3-Trichloropropane	ND	0.358	1.00	NA		µg/L	4/25/2014 3:16 PM	PA/VA
Vinyl acetate	ND	4.87	50.0	NA		µg/L	4/25/2014 3:16 PM	PA
Vinyl chloride	ND	0.223	1.00	NA		µg/L	4/25/2014 3:16 PM	PA/VA
o-Xylene	ND	0.186	1.00	NA		µg/L	4/25/2014 3:16 PM	PA/VA
m,p-Xylene	ND	0.287	2.00	NA		µg/L	4/25/2014 3:16 PM	PA/VA
Surr: 1,2-Dichloroethane-d4	113	NA	68.7-129	NA		%REC	4/25/2014 3:16 PM	
Surr: 4-Bromofluorobenzene	102	NA	71.8-127	NA		%REC	4/25/2014 3:16 PM	
Surr: Dibromofluoromethane	102	NA	74.3-124	NA		%REC	4/25/2014 3:16 PM	
Surr: Toluene-d8	101	NA	71.4-129	NA		%REC	4/25/2014 3:16 PM	
VOLATILE ORGANIC COMPOUNDS-ADDITIONAL			**Method: SW8260B (1996)**				**Analyst: RB**	
trans-1,4-Dichloro-2-butene	ND	2.81	100	NA		µg/L	4/25/2014 3:16 PM	PA/VA
Surr: 1,2-Dichloroethane-d4	110	NA	80-120	NA		%REC	4/25/2014 3:16 PM	
Surr: 4-Bromofluorobenzene	98.7	NA	80-120	NA		%REC	4/25/2014 3:16 PM	
Surr: Dibromofluoromethane	102	NA	80-120	NA		%REC	4/25/2014 3:16 PM	

REI Consultants, Inc. - Analytical Report

WO#: 1404L82

Date Reported: 4/29/2014

Client:	MACON COUNTY SOLID WASTE MANAGEMENT	**Collection Date:**	4/17/2014 11:04:00 AM
Project:	1ST SEMI 2014	**Date Received:**	4/18/2014
Lab ID:	1404L82-05A	**Matrix:**	Groundwater
Client Sample ID:	MW-7	**Site ID:**	OLD FRANKLIN

Analysis	Result	MDL	PQL	MCL	Qual	Units	Date Analyzed	NELAP
Surr: Toluene-d8	102	NA	80-120	NA		%REC	4/25/2014 3:16 PM	
TOTAL SUSPENDED SOLIDS			**Method: SM2540 D-1997**				**Analyst: SF**	
Total Suspended Solids	ND	1.0	5.0	NA		mg/L	4/18/2014 2:50 PM	PA/VA

REI Consultants, Inc. - Analytical Report

WO#: 1404L82

Date Reported: 4/29/2014

Client:	MACON COUNTY SOLID WASTE MANAGEMENT	**Collection Date:**	4/17/2014 11:25:00 AM
Project:	1ST SEMI 2014	**Date Received:**	4/18/2014
Lab ID:	1404L82-06A	**Matrix:**	Groundwater
Client Sample ID:	MW-7C	**Site ID:**	OLD FRANKLIN

Analysis	Result	MDL	PQL	MCL	Qual	Units	Date Analyzed	NELAP
TOTAL METALS by ICP-MS			**Method: SW6020A (1998)**				**Analyst: JD**	
Antimony	ND	0.0002	0.0060	NA		mg/L	4/22/2014 1:42 AM	PA/VA
Arsenic	ND	0.0010	0.0100	NA		mg/L	4/22/2014 1:42 AM	PA/VA
Barium	0.601	0.0010	0.100	NA		mg/L	4/22/2014 1:42 AM	PA/VA
Beryllium	ND	0.0002	0.0010	NA		mg/L	4/22/2014 1:42 AM	PA/VA
Cadmium	0.0005	0.0002	0.0010	NA	J	mg/L	4/22/2014 1:42 AM	PA/VA
Chromium	ND	0.0010	0.0100	NA		mg/L	4/22/2014 1:42 AM	PA/VA
Cobalt	0.0183	0.0010	0.0100	NA		mg/L	4/22/2014 1:42 AM	PA/VA
Copper	0.0024	0.0010	0.0100	NA	J	mg/L	4/22/2014 1:42 AM	PA/VA
Lead	ND	0.0002	0.0100	NA		mg/L	4/22/2014 1:42 AM	PA/VA
Nickel	0.0057	0.0020	0.0500	NA	J	mg/L	4/22/2014 1:42 AM	PA/VA
Selenium	0.0026	0.0010	0.0100	NA	J	mg/L	4/22/2014 1:42 AM	PA/VA
Silver	ND	0.0010	0.0100	NA		mg/L	4/22/2014 1:42 AM	PA/VA
Thallium	ND	0.0002	0.0055	NA		mg/L	4/22/2014 1:42 AM	PA/VA
Vanadium	ND	0.0010	0.0250	NA		mg/L	4/22/2014 1:42 AM	PA/VA
Zinc	0.0173	0.0030	0.0100	NA		mg/L	4/22/2014 8:58 PM	PA/VA
VOLATILE ORGANIC COMPOUNDS-8260			**Method: SW8260B (1996)**				**Analyst: RB**	
Acetone	ND	4.88	100	NA		µg/L	4/25/2014 3:49 PM	PA/VA
Acrylonitrile	ND	4.24	200	NA		µg/L	4/25/2014 3:49 PM	PA/VA
Benzene	1.11	0.129	1.00	NA		µg/L	4/25/2014 3:49 PM	PA/VA
Bromochloromethane	ND	0.346	3.00	NA		µg/L	4/25/2014 3:49 PM	PA/VA
Bromodichloromethane	ND	0.162	1.00	NA		µg/L	4/25/2014 3:49 PM	PA/VA
Bromoform	ND	0.400	3.00	NA		µg/L	4/25/2014 3:49 PM	PA/VA
Bromomethane	ND	0.497	10.0	NA		µg/L	4/25/2014 3:49 PM	PA/VA
2-Butanone	ND	4.68	100	NA		µg/L	4/25/2014 3:49 PM	PA/VA
Carbon disulfide	ND	1.27	100	NA		µg/L	4/25/2014 3:49 PM	
Carbon tetrachloride	ND	0.250	1.00	NA		µg/L	4/25/2014 3:49 PM	PA/VA
Chlorobenzene	7.96	0.177	3.00	NA		µg/L	4/25/2014 3:49 PM	PA/VA
Chloroethane	ND	0.942	10.0	NA		µg/L	4/25/2014 3:49 PM	PA/VA
Chloroform	ND	0.253	5.00	NA		µg/L	4/25/2014 3:49 PM	PA/VA
Chloromethane	ND	0.327	1.00	NA		µg/L	4/25/2014 3:49 PM	PA/VA
Dibromochloromethane	ND	0.419	3.00	NA		µg/L	4/25/2014 3:49 PM	PA/VA
1,2-Dibromo-3-chloropropane	ND	0.499	13.0	NA		µg/L	4/25/2014 3:49 PM	PA/VA
1,2-Dibromoethane	ND	0.341	1.00	NA		µg/L	4/25/2014 3:49 PM	PA/VA
Dibromomethane	ND	0.293	10.0	NA		µg/L	4/25/2014 3:49 PM	PA/VA
1,2-Dichlorobenzene	1.45	0.450	5.00	NA	J	µg/L	4/25/2014 3:49 PM	PA/VA

REI Consultants, Inc. - Analytical Report

WO#: 1404L82

Date Reported: 4/29/2014

Client:	MACON COUNTY SOLID WASTE MANAGEMENT	**Collection Date:**	4/17/2014 11:25:00 AM
Project:	1ST SEMI 2014	**Date Received:**	4/18/2014
Lab ID:	1404L82-06A	**Matrix:**	Groundwater
Client Sample ID:	MW-7C	**Site ID:**	OLD FRANKLIN

Analysis	Result	MDL	PQL	MCL	Qual	Units	Date Analyzed	NELAP
1,4-Dichlorobenzene	5.23	0.287	1.00	NA		µg/L	4/25/2014 3:49 PM	PA/VA
1,1-Dichloroethane	ND	0.383	5.00	NA		µg/L	4/25/2014 3:49 PM	PA/VA
1,2-Dichloroethane	ND	0.428	1.00	NA		µg/L	4/25/2014 3:49 PM	PA/VA
1,1-Dichloroethene	ND	0.328	5.00	NA		µg/L	4/25/2014 3:49 PM	PA/VA
cis-1,2-Dichloroethene	2.20	0.226	5.00	NA	J	µg/L	4/25/2014 3:49 PM	PA/VA
trans-1,2-Dichloroethene	ND	0.392	5.00	NA		µg/L	4/25/2014 3:49 PM	PA/VA
1,2-Dichloropropane	ND	0.461	1.00	NA		µg/L	4/25/2014 3:49 PM	PA/VA
cis-1,3-Dichloropropene	ND	0.220	1.00	NA		µg/L	4/25/2014 3:49 PM	PA/VA
trans-1,3-Dichloropropene	ND	0.216	1.00	NA		µg/L	4/25/2014 3:49 PM	PA/VA
Ethylbenzene	ND	0.178	1.00	NA		µg/L	4/25/2014 3:49 PM	PA/VA
2-Hexanone	ND	4.11	50.0	NA		µg/L	4/25/2014 3:49 PM	PA/VA
Iodomethane	ND	3.44	10.0	NA		µg/L	4/25/2014 3:49 PM	PA/VA
Methylene chloride	ND	0.539	1.00	NA		µg/L	4/25/2014 3:49 PM	PA/VA
4-Methyl-2-pentanone	ND	4.40	100	NA		µg/L	4/25/2014 3:49 PM	PA/VA
Styrene	ND	0.240	1.00	NA		µg/L	4/25/2014 3:49 PM	PA/VA
1,1,1,2-Tetrachloroethane	ND	0.360	5.00	NA		µg/L	4/25/2014 3:49 PM	PA/VA
1,1,2,2-Tetrachloroethane	ND	0.384	3.00	NA		µg/L	4/25/2014 3:49 PM	PA/VA
Tetrachloroethene	ND	0.196	1.00	NA		µg/L	4/25/2014 3:49 PM	PA/VA
Toluene	ND	0.167	1.00	NA		µg/L	4/25/2014 3:49 PM	PA/VA
1,1,1-Trichloroethane	ND	0.354	1.00	NA		µg/L	4/25/2014 3:49 PM	PA/VA
1,1,2-Trichloroethane	ND	0.492	1.00	NA		µg/L	4/25/2014 3:49 PM	PA/VA
Trichloroethene	ND	0.302	1.00	NA		µg/L	4/25/2014 3:49 PM	PA/VA
Trichlorofluoromethane	ND	0.299	1.00	NA		µg/L	4/25/2014 3:49 PM	PA/VA
1,2,3-Trichloropropane	ND	0.358	1.00	NA		µg/L	4/25/2014 3:49 PM	PA/VA
Vinyl acetate	ND	4.87	50.0	NA		µg/L	4/25/2014 3:49 PM	PA
Vinyl chloride	0.580	0.223	1.00	NA	J	µg/L	4/25/2014 3:49 PM	PA/VA
o-Xylene	ND	0.186	1.00	NA		µg/L	4/25/2014 3:49 PM	PA/VA
m,p-Xylene	ND	0.287	2.00	NA		µg/L	4/25/2014 3:49 PM	PA/VA
Surr: 1,2-Dichloroethane-d4	114	NA	68.7-129	NA		%REC	4/25/2014 3:49 PM	
Surr: 4-Bromofluorobenzene	100	NA	71.8-127	NA		%REC	4/25/2014 3:49 PM	
Surr: Dibromofluoromethane	103	NA	74.3-124	NA		%REC	4/25/2014 3:49 PM	
Surr: Toluene-d8	99.5	NA	71.4-129	NA		%REC	4/25/2014 3:49 PM	
VOLATILE ORGANIC COMPOUNDS-ADDITIONAL			**Method: SW8260B (1996)**				**Analyst: RB**	
trans-1,4-Dichloro-2-butene	ND	2.81	100	NA		µg/L	4/25/2014 3:49 PM	PA/VA
Surr: 1,2-Dichloroethane-d4	110	NA	80-120	NA		%REC	4/25/2014 3:49 PM	
Surr: 4-Bromofluorobenzene	97.9	NA	80-120	NA		%REC	4/25/2014 3:49 PM	
Surr: Dibromofluoromethane	102	NA	80-120	NA		%REC	4/25/2014 3:49 PM	

REI Consultants, Inc. - Analytical Report

WO#: 1404L82

Date Reported: 4/29/2014

Client:	MACON COUNTY SOLID WASTE MANAGEMENT	**Collection Date:**	4/17/2014 11:25:00 AM
Project:	1ST SEMI 2014	**Date Received:**	4/18/2014
Lab ID:	1404L82-06A	**Matrix:**	Groundwater
Client Sample ID:	MW-7C	**Site ID:**	OLD FRANKLIN

Analysis	Result	MDL	PQL	MCL	Qual	Units	Date Analyzed	NELAP
Surr: Toluene-d8	100	NA	80-120	NA		%REC	4/25/2014 3:49 PM	
TOTAL SUSPENDED SOLIDS			**Method: SM2540 D-1997**				**Analyst: SF**	
Total Suspended Solids	732	4.0	20.0	NA		mg/L	4/18/2014 2:50 PM	PA/VA

REI Consultants, Inc. - Analytical Report

WO#: 1404L82

Date Reported: 4/29/2014

Client:	MACON COUNTY SOLID WASTE MANAGEMENT	**Collection Date:**	4/17/2014 10:41:00 AM
Project:	1ST SEMI 2014	**Date Received:**	4/18/2014
Lab ID:	1404L82-07A	**Matrix:**	Groundwater
Client Sample ID:	MW-10	**Site ID:**	OLD FRANKLIN

Analysis	Result	MDL	PQL	MCL	Qual	Units	Date Analyzed	NELAP
TOTAL METALS by ICP-MS			**Method: SW6020A (1998)**				**Analyst: JD**	
Antimony	ND	0.0002	0.0060	NA		mg/L	4/22/2014 1:47 AM	PA/VA
Arsenic	ND	0.0010	0.0100	NA		mg/L	4/22/2014 1:47 AM	PA/VA
Barium	0.102	0.0010	0.100	NA		mg/L	4/22/2014 1:47 AM	PA/VA
Beryllium	ND	0.0002	0.0010	NA		mg/L	4/22/2014 1:47 AM	PA/VA
Cadmium	ND	0.0002	0.0010	NA		mg/L	4/22/2014 1:47 AM	PA/VA
Chromium	ND	0.0010	0.0100	NA		mg/L	4/22/2014 1:47 AM	PA/VA
Cobalt	ND	0.0010	0.0100	NA		mg/L	4/22/2014 1:47 AM	PA/VA
Copper	0.0013	0.0010	0.0100	NA	J	mg/L	4/22/2014 1:47 AM	PA/VA
Lead	ND	0.0002	0.0100	NA		mg/L	4/22/2014 1:47 AM	PA/VA
Nickel	0.0023	0.0020	0.0500	NA	J	mg/L	4/22/2014 1:47 AM	PA/VA
Selenium	0.0011	0.0010	0.0100	NA	J	mg/L	4/22/2014 1:47 AM	PA/VA
Silver	ND	0.0010	0.0100	NA		mg/L	4/22/2014 1:47 AM	PA/VA
Thallium	ND	0.0002	0.0055	NA		mg/L	4/22/2014 1:47 AM	PA/VA
Vanadium	ND	0.0010	0.0250	NA		mg/L	4/22/2014 1:47 AM	PA/VA
Zinc	0.0108	0.0030	0.0100	NA		mg/L	4/22/2014 9:04 PM	PA/VA
VOLATILE ORGANIC COMPOUNDS-8260			**Method: SW8260B (1996)**				**Analyst: RB**	
Acetone	ND	4.88	100	NA		µg/L	4/25/2014 4:23 PM	PA/VA
Acrylonitrile	ND	4.24	200	NA		µg/L	4/25/2014 4:23 PM	PA/VA
Benzene	0.950	0.129	1.00	NA	J	µg/L	4/25/2014 4:23 PM	PA/VA
Bromochloromethane	ND	0.346	3.00	NA		µg/L	4/25/2014 4:23 PM	PA/VA
Bromodichloromethane	ND	0.162	1.00	NA		µg/L	4/25/2014 4:23 PM	PA/VA
Bromoform	ND	0.400	3.00	NA		µg/L	4/25/2014 4:23 PM	PA/VA
Bromomethane	ND	0.497	10.0	NA		µg/L	4/25/2014 4:23 PM	PA/VA
2-Butanone	ND	4.68	100	NA		µg/L	4/25/2014 4:23 PM	PA/VA
Carbon disulfide	ND	1.27	100	NA		µg/L	4/25/2014 4:23 PM	
Carbon tetrachloride	ND	0.250	1.00	NA		µg/L	4/25/2014 4:23 PM	PA/VA
Chlorobenzene	3.46	0.177	3.00	NA		µg/L	4/25/2014 4:23 PM	PA/VA
Chloroethane	ND	0.942	10.0	NA		µg/L	4/25/2014 4:23 PM	PA/VA
Chloroform	ND	0.253	5.00	NA		µg/L	4/25/2014 4:23 PM	PA/VA
Chloromethane	ND	0.327	1.00	NA		µg/L	4/25/2014 4:23 PM	PA/VA
Dibromochloromethane	ND	0.419	3.00	NA		µg/L	4/25/2014 4:23 PM	PA/VA
1,2-Dibromo-3-chloropropane	ND	0.499	13.0	NA		µg/L	4/25/2014 4:23 PM	PA/VA
1,2-Dibromoethane	ND	0.341	1.00	NA		µg/L	4/25/2014 4:23 PM	PA/VA
Dibromomethane	ND	0.293	10.0	NA		µg/L	4/25/2014 4:23 PM	PA/VA
1,2-Dichlorobenzene	0.940	0.450	5.00	NA	J	µg/L	4/25/2014 4:23 PM	PA/VA

REI Consultants, Inc. - Analytical Report

WO#: 1404L82

Date Reported: 4/29/2014

Client:	MACON COUNTY SOLID WASTE MANAGEMENT	**Collection Date:**	4/17/2014 10:41:00 AM
Project:	1ST SEMI 2014	**Date Received:**	4/18/2014
Lab ID:	1404L82-07A	**Matrix:**	Groundwater
Client Sample ID:	MW-10	**Site ID:**	OLD FRANKLIN

Analysis	Result	MDL	PQL	MCL	Qual	Units	Date Analyzed	NELAP
1,4-Dichlorobenzene	3.92	0.287	1.00	NA		µg/L	4/25/2014 4:23 PM	PA/VA
1,1-Dichloroethane	ND	0.383	5.00	NA		µg/L	4/25/2014 4:23 PM	PA/VA
1,2-Dichloroethane	ND	0.428	1.00	NA		µg/L	4/25/2014 4:23 PM	PA/VA
1,1-Dichloroethene	ND	0.328	5.00	NA		µg/L	4/25/2014 4:23 PM	PA/VA
cis-1,2-Dichloroethene	3.23	0.226	5.00	NA	J	µg/L	4/25/2014 4:23 PM	PA/VA
trans-1,2-Dichloroethene	ND	0.392	5.00	NA		µg/L	4/25/2014 4:23 PM	PA/VA
1,2-Dichloropropane	ND	0.461	1.00	NA		µg/L	4/25/2014 4:23 PM	PA/VA
cis-1,3-Dichloropropene	ND	0.220	1.00	NA		µg/L	4/25/2014 4:23 PM	PA/VA
trans-1,3-Dichloropropene	ND	0.216	1.00	NA		µg/L	4/25/2014 4:23 PM	PA/VA
Ethylbenzene	ND	0.178	1.00	NA		µg/L	4/25/2014 4:23 PM	PA/VA
2-Hexanone	ND	4.11	50.0	NA		µg/L	4/25/2014 4:23 PM	PA/VA
Iodomethane	ND	3.44	10.0	NA		µg/L	4/25/2014 4:23 PM	PA/VA
Methylene chloride	ND	0.539	1.00	NA		µg/L	4/25/2014 4:23 PM	PA/VA
4-Methyl-2-pentanone	ND	4.40	100	NA		µg/L	4/25/2014 4:23 PM	PA/VA
Styrene	ND	0.240	1.00	NA		µg/L	4/25/2014 4:23 PM	PA/VA
1,1,1,2-Tetrachloroethane	ND	0.360	5.00	NA		µg/L	4/25/2014 4:23 PM	PA/VA
1,1,2,2-Tetrachloroethane	ND	0.384	3.00	NA		µg/L	4/25/2014 4:23 PM	PA/VA
Tetrachloroethene	ND	0.196	1.00	NA		µg/L	4/25/2014 4:23 PM	PA/VA
Toluene	ND	0.167	1.00	NA		µg/L	4/25/2014 4:23 PM	PA/VA
1,1,1-Trichloroethane	ND	0.354	1.00	NA		µg/L	4/25/2014 4:23 PM	PA/VA
1,1,2-Trichloroethane	ND	0.492	1.00	NA		µg/L	4/25/2014 4:23 PM	PA/VA
Trichloroethene	ND	0.302	1.00	NA		µg/L	4/25/2014 4:23 PM	PA/VA
Trichlorofluoromethane	ND	0.299	1.00	NA		µg/L	4/25/2014 4:23 PM	PA/VA
1,2,3-Trichloropropane	ND	0.358	1.00	NA		µg/L	4/25/2014 4:23 PM	PA/VA
Vinyl acetate	ND	4.87	50.0	NA		µg/L	4/25/2014 4:23 PM	PA
Vinyl chloride	ND	0.223	1.00	NA		µg/L	4/25/2014 4:23 PM	PA/VA
o-Xylene	ND	0.186	1.00	NA		µg/L	4/25/2014 4:23 PM	PA/VA
m,p-Xylene	ND	0.287	2.00	NA		µg/L	4/25/2014 4:23 PM	PA/VA
Surr: 1,2-Dichloroethane-d4	108	NA	68.7-129	NA		%REC	4/25/2014 4:23 PM	
Surr: 4-Bromofluorobenzene	102	NA	71.8-127	NA		%REC	4/25/2014 4:23 PM	
Surr: Dibromofluoromethane	103	NA	74.3-124	NA		%REC	4/25/2014 4:23 PM	
Surr: Toluene-d8	100	NA	71.4-129	NA		%REC	4/25/2014 4:23 PM	
VOLATILE ORGANIC COMPOUNDS-ADDITIONAL			**Method: SW8260B (1996)**				**Analyst: RB**	
trans-1,4-Dichloro-2-butene	ND	2.81	100	NA		µg/L	4/25/2014 4:23 PM	PA/VA
Surr: 1,2-Dichloroethane-d4	107	NA	80-120	NA		%REC	4/25/2014 4:23 PM	
Surr: 4-Bromofluorobenzene	97.6	NA	80-120	NA		%REC	4/25/2014 4:23 PM	
Surr: Dibromofluoromethane	101	NA	80-120	NA		%REC	4/25/2014 4:23 PM	

REI Consultants, Inc. - Analytical Report

WO#: 1404L82

Date Reported: 4/29/2014

Client:	MACON COUNTY SOLID WASTE MANAGEMENT	**Collection Date:**	4/17/2014 10:41:00 AM
Project:	1ST SEMI 2014	**Date Received:**	4/18/2014
Lab ID:	1404L82-07A	**Matrix:**	Groundwater
Client Sample ID:	MW-10	**Site ID:**	OLD FRANKLIN

Analysis	Result	MDL	PQL	MCL	Qual	Units	Date Analyzed	NELAP
Surr: Toluene-d8	101	NA	80-120	NA		%REC	4/25/2014 4:23 PM	
TOTAL SUSPENDED SOLIDS			**Method: SM2540 D-1997**				**Analyst: SF**	
Total Suspended Solids	ND	1.0	5.0	NA		mg/L	4/18/2014 2:50 PM	PA/VA

REI Consultants, Inc. - Analytical Report

WO#: 1404L82

Date Reported: 4/29/2014

Client:	MACON COUNTY SOLID WASTE MANAGEMENT	**Collection Date:**	4/17/2014 9:28:00 AM
Project:	1ST SEMI 2014	**Date Received:**	4/18/2014
Lab ID:	1404L82-08A	**Matrix:**	Groundwater
Client Sample ID:	HAIRE	**Site ID:**	OLD FRANKLIN

Analysis	Result	MDL	PQL	MCL	Qual	Units	Date Analyzed	NELAP
TOTAL METALS by ICP-MS			**Method: SW6020A (1998)**				**Analyst: JD**	
Antimony	ND	0.0002	0.0060	NA		mg/L	4/22/2014 2:04 AM	PA/VA
Arsenic	ND	0.0010	0.0100	NA		mg/L	4/22/2014 2:04 AM	PA/VA
Barium	0.0812	0.0010	0.100	NA	J	mg/L	4/22/2014 2:04 AM	PA/VA
Beryllium	ND	0.0002	0.0010	NA		mg/L	4/22/2014 2:04 AM	PA/VA
Cadmium	ND	0.0002	0.0010	NA		mg/L	4/22/2014 2:04 AM	PA/VA
Chromium	ND	0.0010	0.0100	NA		mg/L	4/22/2014 2:04 AM	PA/VA
Cobalt	ND	0.0010	0.0100	NA		mg/L	4/22/2014 2:04 AM	PA/VA
Copper	0.0348	0.0010	0.0100	NA		mg/L	4/22/2014 2:04 AM	PA/VA
Lead	0.0017	0.0002	0.0100	NA	J	mg/L	4/22/2014 2:04 AM	PA/VA
Nickel	ND	0.0020	0.0500	NA		mg/L	4/22/2014 2:04 AM	PA/VA
Selenium	ND	0.0010	0.0100	NA		mg/L	4/22/2014 2:04 AM	PA/VA
Silver	ND	0.0010	0.0100	NA		mg/L	4/22/2014 2:04 AM	PA/VA
Thallium	ND	0.0002	0.0055	NA		mg/L	4/22/2014 2:04 AM	PA/VA
Vanadium	ND	0.0010	0.0250	NA		mg/L	4/22/2014 2:04 AM	PA/VA
Zinc	0.0363	0.0030	0.0100	NA		mg/L	4/22/2014 9:09 PM	PA/VA
VOLATILE ORGANIC COMPOUNDS-8260			**Method: SW8260B (1996)**				**Analyst: RB**	
Acetone	ND	4.88	100	NA		µg/L	4/25/2014 8:16 PM	PA/VA
Acrylonitrile	ND	4.24	200	NA		µg/L	4/25/2014 8:16 PM	PA/VA
Benzene	ND	0.129	1.00	NA		µg/L	4/25/2014 8:16 PM	PA/VA
Bromochloromethane	ND	0.346	3.00	NA		µg/L	4/25/2014 8:16 PM	PA/VA
Bromodichloromethane	ND	0.162	1.00	NA		µg/L	4/25/2014 8:16 PM	PA/VA
Bromoform	ND	0.400	3.00	NA		µg/L	4/25/2014 8:16 PM	PA/VA
Bromomethane	ND	0.497	10.0	NA		µg/L	4/25/2014 8:16 PM	PA/VA
2-Butanone	ND	4.68	100	NA		µg/L	4/25/2014 8:16 PM	PA/VA
Carbon disulfide	ND	1.27	100	NA		µg/L	4/25/2014 8:16 PM	
Carbon tetrachloride	ND	0.250	1.00	NA		µg/L	4/25/2014 8:16 PM	PA/VA
Chlorobenzene	ND	0.177	3.00	NA		µg/L	4/25/2014 8:16 PM	PA/VA
Chloroethane	ND	0.942	10.0	NA		µg/L	4/25/2014 8:16 PM	PA/VA
Chloroform	ND	0.253	5.00	NA		µg/L	4/25/2014 8:16 PM	PA/VA
Chloromethane	ND	0.327	1.00	NA		µg/L	4/25/2014 8:16 PM	PA/VA
Dibromochloromethane	ND	0.419	3.00	NA		µg/L	4/25/2014 8:16 PM	PA/VA
1,2-Dibromo-3-chloropropane	ND	0.499	13.0	NA		µg/L	4/25/2014 8:16 PM	PA/VA
1,2-Dibromoethane	ND	0.341	1.00	NA		µg/L	4/25/2014 8:16 PM	PA/VA
Dibromomethane	ND	0.293	10.0	NA		µg/L	4/25/2014 8:16 PM	PA/VA
1,2-Dichlorobenzene	ND	0.450	5.00	NA		µg/L	4/25/2014 8:16 PM	PA/VA

REI Consultants, Inc. - Analytical Report

WO#: 1404L82

Date Reported: 4/29/2014

Client:	MACON COUNTY SOLID WASTE MANAGEMENT	**Collection Date:**	4/17/2014 9:28:00 AM
Project:	1ST SEMI 2014	**Date Received:**	4/18/2014
Lab ID:	1404L82-08A	**Matrix:**	Groundwater
Client Sample ID:	HAIRE	**Site ID:**	OLD FRANKLIN

Analysis	Result	MDL	PQL	MCL	Qual	Units	Date Analyzed	NELAP
1,4-Dichlorobenzene	ND	0.287	1.00	NA		µg/L	4/25/2014 8:16 PM	PA/VA
1,1-Dichloroethane	ND	0.383	5.00	NA		µg/L	4/25/2014 8:16 PM	PA/VA
1,2-Dichloroethane	ND	0.428	1.00	NA		µg/L	4/25/2014 8:16 PM	PA/VA
1,1-Dichloroethene	ND	0.328	5.00	NA		µg/L	4/25/2014 8:16 PM	PA/VA
cis-1,2-Dichloroethene	ND	0.226	5.00	NA		µg/L	4/25/2014 8:16 PM	PA/VA
trans-1,2-Dichloroethene	ND	0.392	5.00	NA		µg/L	4/25/2014 8:16 PM	PA/VA
1,2-Dichloropropane	ND	0.461	1.00	NA		µg/L	4/25/2014 8:16 PM	PA/VA
cis-1,3-Dichloropropene	ND	0.220	1.00	NA		µg/L	4/25/2014 8:16 PM	PA/VA
trans-1,3-Dichloropropene	ND	0.216	1.00	NA		µg/L	4/25/2014 8:16 PM	PA/VA
Ethylbenzene	ND	0.178	1.00	NA		µg/L	4/25/2014 8:16 PM	PA/VA
2-Hexanone	ND	4.11	50.0	NA		µg/L	4/25/2014 8:16 PM	PA/VA
Iodomethane	ND	3.44	10.0	NA		µg/L	4/25/2014 8:16 PM	PA/VA
Methylene chloride	ND	0.539	1.00	NA		µg/L	4/25/2014 8:16 PM	PA/VA
4-Methyl-2-pentanone	ND	4.40	100	NA		µg/L	4/25/2014 8:16 PM	PA/VA
Styrene	ND	0.240	1.00	NA		µg/L	4/25/2014 8:16 PM	PA/VA
1,1,1,2-Tetrachloroethane	ND	0.360	5.00	NA		µg/L	4/25/2014 8:16 PM	PA/VA
1,1,2,2-Tetrachloroethane	ND	0.384	3.00	NA		µg/L	4/25/2014 8:16 PM	PA/VA
Tetrachloroethene	ND	0.196	1.00	NA		µg/L	4/25/2014 8:16 PM	PA/VA
Toluene	ND	0.167	1.00	NA		µg/L	4/25/2014 8:16 PM	PA/VA
1,1,1-Trichloroethane	ND	0.354	1.00	NA		µg/L	4/25/2014 8:16 PM	PA/VA
1,1,2-Trichloroethane	ND	0.492	1.00	NA		µg/L	4/25/2014 8:16 PM	PA/VA
Trichloroethene	ND	0.302	1.00	NA		µg/L	4/25/2014 8:16 PM	PA/VA
Trichlorofluoromethane	ND	0.299	1.00	NA		µg/L	4/25/2014 8:16 PM	PA/VA
1,2,3-Trichloropropane	ND	0.358	1.00	NA		µg/L	4/25/2014 8:16 PM	PA/VA
Vinyl acetate	ND	4.87	50.0	NA		µg/L	4/25/2014 8:16 PM	PA
Vinyl chloride	ND	0.223	1.00	NA		µg/L	4/25/2014 8:16 PM	PA/VA
o-Xylene	ND	0.186	1.00	NA		µg/L	4/25/2014 8:16 PM	PA/VA
m,p-Xylene	ND	0.287	2.00	NA		µg/L	4/25/2014 8:16 PM	PA/VA
Surr: 1,2-Dichloroethane-d4	111	NA	68.7-129	NA		%REC	4/25/2014 8:16 PM	
Surr: 4-Bromofluorobenzene	99.2	NA	71.8-127	NA		%REC	4/25/2014 8:16 PM	
Surr: Dibromofluoromethane	103	NA	74.3-124	NA		%REC	4/25/2014 8:16 PM	
Surr: Toluene-d8	101	NA	71.4-129	NA		%REC	4/25/2014 8:16 PM	
VOLATILE ORGANIC COMPOUNDS-ADDITIONAL			**Method: SW8260B (1996)**				**Analyst: RB**	
trans-1,4-Dichloro-2-butene	ND	2.81	100	NA		µg/L	4/25/2014 8:16 PM	PA/VA
Surr: 1,2-Dichloroethane-d4	109	NA	80-120	NA		%REC	4/25/2014 8:16 PM	
Surr: 4-Bromofluorobenzene	97.2	NA	80-120	NA		%REC	4/25/2014 8:16 PM	
Surr: Dibromofluoromethane	104	NA	80-120	NA		%REC	4/25/2014 8:16 PM	

REI Consultants, Inc. - Analytical Report

WO#: 1404L82

Date Reported: 4/29/2014

Client:	MACON COUNTY SOLID WASTE MANAGEMENT	**Collection Date:**	4/17/2014 9:28:00 AM
Project:	1ST SEMI 2014	**Date Received:**	4/18/2014
Lab ID:	1404L82-08A	**Matrix:**	Groundwater
Client Sample ID:	HAIRE	**Site ID:**	OLD FRANKLIN

Analysis	Result	MDL	PQL	MCL	Qual	Units	Date Analyzed	NELAP
Surr: Toluene-d8	101	NA	80-120	NA		%REC	4/25/2014 8:16 PM	
TOTAL SUSPENDED SOLIDS			**Method: SM2540 D-1997**				**Analyst: SF**	
Total Suspended Solids	ND	1.0	5.0	NA		mg/L	4/18/2014 2:50 PM	PA/VA

REI Consultants, Inc. - Analytical Report

WO#: 1404L82

Date Reported: 4/29/2014

Client:	MACON COUNTY SOLID WASTE MANAGEMENT	**Collection Date:**	4/17/2014 10:41:00 AM
Project:	1ST SEMI 2014	**Date Received:**	4/18/2014
Lab ID:	1404L82-09A	**Matrix:**	Groundwater
Client Sample ID:	MW-10 DUPLICATE	**Site ID:**	OLD FRANKLIN

Analysis	Result	MDL	PQL	MCL	Qual	Units	Date Analyzed	NELAP
TOTAL METALS by ICP-MS			**Method: SW6020A (1998)**				**Analyst: JD**	
Antimony	ND	0.0002	0.0060	NA		mg/L	4/22/2014 2:10 AM	PA/VA
Arsenic	ND	0.0010	0.0100	NA		mg/L	4/22/2014 2:10 AM	PA/VA
Barium	0.0998	0.0010	0.100	NA	J	mg/L	4/22/2014 2:10 AM	PA/VA
Beryllium	ND	0.0002	0.0010	NA		mg/L	4/22/2014 2:10 AM	PA/VA
Cadmium	ND	0.0002	0.0010	NA		mg/L	4/22/2014 2:10 AM	PA/VA
Chromium	ND	0.0010	0.0100	NA		mg/L	4/22/2014 2:10 AM	PA/VA
Cobalt	ND	0.0010	0.0100	NA		mg/L	4/22/2014 2:10 AM	PA/VA
Copper	0.0016	0.0010	0.0100	NA	J	mg/L	4/22/2014 2:10 AM	PA/VA
Lead	ND	0.0002	0.0100	NA		mg/L	4/22/2014 2:10 AM	PA/VA
Nickel	ND	0.0020	0.0500	NA		mg/L	4/22/2014 2:10 AM	PA/VA
Selenium	ND	0.0010	0.0100	NA		mg/L	4/22/2014 2:10 AM	PA/VA
Silver	ND	0.0010	0.0100	NA		mg/L	4/22/2014 2:10 AM	PA/VA
Thallium	ND	0.0002	0.0055	NA		mg/L	4/22/2014 2:10 AM	PA/VA
Vanadium	ND	0.0010	0.0250	NA		mg/L	4/22/2014 2:10 AM	PA/VA
Zinc	0.0050	0.0030	0.0100	NA	J	mg/L	4/22/2014 9:15 PM	PA/VA

Notes:

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

VOLATILE ORGANIC COMPOUNDS-8260			**Method: SW8260B (1996)**				**Analyst: RB**	
Acetone	ND	4.88	100	NA		µg/L	4/25/2014 8:49 PM	PA/VA
Acrylonitrile	ND	4.24	200	NA		µg/L	4/25/2014 8:49 PM	PA/VA
Benzene	0.910	0.129	1.00	NA	J	µg/L	4/25/2014 8:49 PM	PA/VA
Bromochloromethane	ND	0.346	3.00	NA		µg/L	4/25/2014 8:49 PM	PA/VA
Bromodichloromethane	ND	0.162	1.00	NA		µg/L	4/25/2014 8:49 PM	PA/VA
Bromoform	ND	0.400	3.00	NA		µg/L	4/25/2014 8:49 PM	PA/VA
Bromomethane	ND	0.497	10.0	NA		µg/L	4/25/2014 8:49 PM	PA/VA
2-Butanone	ND	4.68	100	NA		µg/L	4/25/2014 8:49 PM	PA/VA
Carbon disulfide	ND	1.27	100	NA		µg/L	4/25/2014 8:49 PM	
Carbon tetrachloride	ND	0.250	1.00	NA		µg/L	4/25/2014 8:49 PM	PA/VA
Chlorobenzene	3.11	0.177	3.00	NA		µg/L	4/25/2014 8:49 PM	PA/VA
Chloroethane	ND	0.942	10.0	NA		µg/L	4/25/2014 8:49 PM	PA/VA
Chloroform	ND	0.253	5.00	NA		µg/L	4/25/2014 8:49 PM	PA/VA
Chloromethane	ND	0.327	1.00	NA		µg/L	4/25/2014 8:49 PM	PA/VA
Dibromochloromethane	ND	0.419	3.00	NA		µg/L	4/25/2014 8:49 PM	PA/VA
1,2-Dibromo-3-chloropropane	ND	0.499	13.0	NA		µg/L	4/25/2014 8:49 PM	PA/VA
1,2-Dibromoethane	ND	0.341	1.00	NA		µg/L	4/25/2014 8:49 PM	PA/VA
Dibromomethane	ND	0.293	10.0	NA		µg/L	4/25/2014 8:49 PM	PA/VA

REI Consultants, Inc. - Analytical Report

WO#: 1404L82

Date Reported: 4/29/2014

Client:	MACON COUNTY SOLID WASTE MANAGEMENT	**Collection Date:**	4/17/2014 10:41:00 AM
Project:	1ST SEMI 2014	**Date Received:**	4/18/2014
Lab ID:	1404L82-09A	**Matrix:**	Groundwater
Client Sample ID:	MW-10 DUPLICATE	**Site ID:**	OLD FRANKLIN

Analysis	Result	MDL	PQL	MCL	Qual	Units	Date Analyzed	NELAP
1,2-Dichlorobenzene	0.540	0.450	5.00	NA	J	µg/L	4/25/2014 8:49 PM	PA/VA
1,4-Dichlorobenzene	2.95	0.287	1.00	NA		µg/L	4/25/2014 8:49 PM	PA/VA
1,1-Dichloroethane	ND	0.383	5.00	NA		µg/L	4/25/2014 8:49 PM	PA/VA
1,2-Dichloroethane	ND	0.428	1.00	NA		µg/L	4/25/2014 8:49 PM	PA/VA
1,1-Dichloroethene	ND	0.328	5.00	NA		µg/L	4/25/2014 8:49 PM	PA/VA
cis-1,2-Dichloroethene	3.02	0.226	5.00	NA	J	µg/L	4/25/2014 8:49 PM	PA/VA
trans-1,2-Dichloroethene	ND	0.392	5.00	NA		µg/L	4/25/2014 8:49 PM	PA/VA
1,2-Dichloropropane	ND	0.461	1.00	NA		µg/L	4/25/2014 8:49 PM	PA/VA
cis-1,3-Dichloropropene	ND	0.220	1.00	NA		µg/L	4/25/2014 8:49 PM	PA/VA
trans-1,3-Dichloropropene	ND	0.216	1.00	NA		µg/L	4/25/2014 8:49 PM	PA/VA
Ethylbenzene	ND	0.178	1.00	NA		µg/L	4/25/2014 8:49 PM	PA/VA
2-Hexanone	ND	4.11	50.0	NA		µg/L	4/25/2014 8:49 PM	PA/VA
Iodomethane	ND	3.44	10.0	NA		µg/L	4/25/2014 8:49 PM	PA/VA
Methylene chloride	ND	0.539	1.00	NA		µg/L	4/25/2014 8:49 PM	PA/VA
4-Methyl-2-pentanone	ND	4.40	100	NA		µg/L	4/25/2014 8:49 PM	PA/VA
Styrene	ND	0.240	1.00	NA		µg/L	4/25/2014 8:49 PM	PA/VA
1,1,1,2-Tetrachloroethane	ND	0.360	5.00	NA		µg/L	4/25/2014 8:49 PM	PA/VA
1,1,2,2-Tetrachloroethane	ND	0.384	3.00	NA		µg/L	4/25/2014 8:49 PM	PA/VA
Tetrachloroethene	ND	0.196	1.00	NA		µg/L	4/25/2014 8:49 PM	PA/VA
Toluene	ND	0.167	1.00	NA		µg/L	4/25/2014 8:49 PM	PA/VA
1,1,1-Trichloroethane	ND	0.354	1.00	NA		µg/L	4/25/2014 8:49 PM	PA/VA
1,1,2-Trichloroethane	ND	0.492	1.00	NA		µg/L	4/25/2014 8:49 PM	PA/VA
Trichloroethene	ND	0.302	1.00	NA		µg/L	4/25/2014 8:49 PM	PA/VA
Trichlorofluoromethane	ND	0.299	1.00	NA		µg/L	4/25/2014 8:49 PM	PA/VA
1,2,3-Trichloropropane	ND	0.358	1.00	NA		µg/L	4/25/2014 8:49 PM	PA/VA
Vinyl acetate	ND	4.87	50.0	NA		µg/L	4/25/2014 8:49 PM	PA
Vinyl chloride	ND	0.223	1.00	NA		µg/L	4/25/2014 8:49 PM	PA/VA
o-Xylene	ND	0.186	1.00	NA		µg/L	4/25/2014 8:49 PM	PA/VA
m,p-Xylene	ND	0.287	2.00	NA		µg/L	4/25/2014 8:49 PM	PA/VA
Surr: 1,2-Dichloroethane-d4	113	NA	68.7-129	NA		%REC	4/25/2014 8:49 PM	
Surr: 4-Bromofluorobenzene	102	NA	71.8-127	NA		%REC	4/25/2014 8:49 PM	
Surr: Dibromofluoromethane	104	NA	74.3-124	NA		%REC	4/25/2014 8:49 PM	
Surr: Toluene-d8	98.9	NA	71.4-129	NA		%REC	4/25/2014 8:49 PM	
VOLATILE ORGANIC COMPOUNDS-ADDITIONAL			**Method: SW8260B (1996)**				**Analyst: RB**	
trans-1,4-Dichloro-2-butene	ND	2.81	100	NA		µg/L	4/25/2014 8:49 PM	PA/VA
Surr: 1,2-Dichloroethane-d4	111	NA	80-120	NA		%REC	4/25/2014 8:49 PM	
Surr: 4-Bromofluorobenzene	97.4	NA	80-120	NA		%REC	4/25/2014 8:49 PM	

REI Consultants, Inc. - Analytical Report

WO#: 1404L82

Date Reported: 4/29/2014

Client:	MACON COUNTY SOLID WASTE MANAGEMENT	**Collection Date:**	4/17/2014 10:41:00 AM
Project:	1ST SEMI 2014	**Date Received:**	4/18/2014
Lab ID:	1404L82-09A	**Matrix:**	Groundwater
Client Sample ID:	MW-10 DUPLICATE	**Site ID:**	OLD FRANKLIN

Analysis	Result	MDL	PQL	MCL	Qual	Units	Date Analyzed	NELAP
Surr: Dibromofluoromethane	101	NA	80-120	NA		%REC	4/25/2014 8:49 PM	
Surr: Toluene-d8	99.5	NA	80-120	NA		%REC	4/25/2014 8:49 PM	
TOTAL SUSPENDED SOLIDS			**Method: SM2540 D-1997**				**Analyst: SF**	
Total Suspended Solids	ND	1.0	5.0	NA		mg/L	4/18/2014 2:57 PM	PA/VA

REI Consultants, Inc. - Analytical Report

WO#: 1404L82

Date Reported: 4/29/2014

Client:	MACON COUNTY SOLID WASTE MANAGEMENT	**Collection Date:**	4/18/2014 12:00:00 AM
Project:	1ST SEMI 2014	**Date Received:**	4/18/2014
Lab ID:	1404L82-10A	**Matrix:**	Trip Blank
Client Sample ID:	TRIP BLANK	**Site ID:**	OLD FRANKLIN

Analysis	Result	MDL	PQL	MCL	Qual	Units	Date Analyzed	NELAP
VOLATILE ORGANIC COMPOUNDS-8260			**Method: SW8260B (1996)**				**Analyst: RB**	
Acetone	18.1	4.88	100	NA	J	µg/L	4/25/2014 12:20 AM	PA/VA
Acrylonitrile	ND	4.24	200	NA		µg/L	4/25/2014 12:20 AM	PA/VA
Benzene	ND	0.129	1.00	NA		µg/L	4/25/2014 12:20 AM	PA/VA
Bromochloromethane	ND	0.346	3.00	NA		µg/L	4/25/2014 12:20 AM	PA/VA
Bromodichloromethane	ND	0.162	1.00	NA		µg/L	4/25/2014 12:20 AM	PA/VA
Bromoform	ND	0.400	3.00	NA		µg/L	4/25/2014 12:20 AM	PA/VA
Bromomethane	ND	0.497	10.0	NA		µg/L	4/25/2014 12:20 AM	PA/VA
2-Butanone	ND	4.68	100	NA		µg/L	4/25/2014 12:20 AM	PA/VA
Carbon disulfide	ND	1.27	100	NA		µg/L	4/25/2014 12:20 AM	
Carbon tetrachloride	ND	0.250	1.00	NA		µg/L	4/25/2014 12:20 AM	PA/VA
Chlorobenzene	ND	0.177	3.00	NA		µg/L	4/25/2014 12:20 AM	PA/VA
Chloroethane	ND	0.942	10.0	NA		µg/L	4/25/2014 12:20 AM	PA/VA
Chloroform	ND	0.253	5.00	NA		µg/L	4/25/2014 12:20 AM	PA/VA
Chloromethane	ND	0.327	1.00	NA		µg/L	4/25/2014 12:20 AM	PA/VA
Dibromochloromethane	ND	0.419	3.00	NA		µg/L	4/25/2014 12:20 AM	PA/VA
1,2-Dibromo-3-chloropropane	ND	0.499	13.0	NA		µg/L	4/25/2014 12:20 AM	PA/VA
1,2-Dibromoethane	ND	0.341	1.00	NA		µg/L	4/25/2014 12:20 AM	PA/VA
Dibromomethane	ND	0.293	10.0	NA		µg/L	4/25/2014 12:20 AM	PA/VA
1,2-Dichlorobenzene	ND	0.450	5.00	NA		µg/L	4/25/2014 12:20 AM	PA/VA
1,4-Dichlorobenzene	ND	0.287	1.00	NA		µg/L	4/25/2014 12:20 AM	PA/VA
1,1-Dichloroethane	ND	0.383	5.00	NA		µg/L	4/25/2014 12:20 AM	PA/VA
1,2-Dichloroethane	ND	0.428	1.00	NA		µg/L	4/25/2014 12:20 AM	PA/VA
1,1-Dichloroethene	ND	0.328	5.00	NA		µg/L	4/25/2014 12:20 AM	PA/VA
cis-1,2-Dichloroethene	ND	0.226	5.00	NA		µg/L	4/25/2014 12:20 AM	PA/VA
trans-1,2-Dichloroethene	ND	0.392	5.00	NA		µg/L	4/25/2014 12:20 AM	PA/VA
1,2-Dichloropropane	ND	0.461	1.00	NA		µg/L	4/25/2014 12:20 AM	PA/VA
cis-1,3-Dichloropropene	ND	0.220	1.00	NA		µg/L	4/25/2014 12:20 AM	PA/VA
trans-1,3-Dichloropropene	ND	0.216	1.00	NA		µg/L	4/25/2014 12:20 AM	PA/VA
Ethylbenzene	ND	0.178	1.00	NA		µg/L	4/25/2014 12:20 AM	PA/VA
2-Hexanone	ND	4.11	50.0	NA		µg/L	4/25/2014 12:20 AM	PA/VA
Iodomethane	ND	3.44	10.0	NA		µg/L	4/25/2014 12:20 AM	PA/VA
Methylene chloride	ND	0.539	1.00	NA		µg/L	4/25/2014 12:20 AM	PA/VA
4-Methyl-2-pentanone	ND	4.40	100	NA		µg/L	4/25/2014 12:20 AM	PA/VA
Styrene	ND	0.240	1.00	NA		µg/L	4/25/2014 12:20 AM	PA/VA
1,1,1,2-Tetrachloroethane	ND	0.360	5.00	NA		µg/L	4/25/2014 12:20 AM	PA/VA
1,1,2,2-Tetrachloroethane	ND	0.384	3.00	NA		µg/L	4/25/2014 12:20 AM	PA/VA

REI Consultants, Inc. - Analytical Report

WO#: 1404L82

Date Reported: 4/29/2014

Client:	MACON COUNTY SOLID WASTE MANAGEMENT	**Collection Date:**	4/18/2014 12:00:00 AM
Project:	1ST SEMI 2014	**Date Received:**	4/18/2014
Lab ID:	1404L82-10A	**Matrix:**	Trip Blank
Client Sample ID:	TRIP BLANK	**Site ID:**	OLD FRANKLIN

Analysis	Result	MDL	PQL	MCL	Qual	Units	Date Analyzed	NELAP
Tetrachloroethene	ND	0.196	1.00	NA		µg/L	4/25/2014 12:20 AM	PA/VA
Toluene	ND	0.167	1.00	NA		µg/L	4/25/2014 12:20 AM	PA/VA
1,1,1-Trichloroethane	ND	0.354	1.00	NA		µg/L	4/25/2014 12:20 AM	PA/VA
1,1,2-Trichloroethane	ND	0.492	1.00	NA		µg/L	4/25/2014 12:20 AM	PA/VA
Trichloroethene	ND	0.302	1.00	NA		µg/L	4/25/2014 12:20 AM	PA/VA
Trichlorofluoromethane	ND	0.299	1.00	NA		µg/L	4/25/2014 12:20 AM	PA/VA
1,2,3-Trichloropropane	ND	0.358	1.00	NA		µg/L	4/25/2014 12:20 AM	PA/VA
Vinyl acetate	ND	4.87	50.0	NA		µg/L	4/25/2014 12:20 AM	PA
Vinyl chloride	ND	0.223	1.00	NA		µg/L	4/25/2014 12:20 AM	PA/VA
o-Xylene	ND	0.186	1.00	NA		µg/L	4/25/2014 12:20 AM	PA/VA
m,p-Xylene	ND	0.287	2.00	NA		µg/L	4/25/2014 12:20 AM	PA/VA
Surr: 1,2-Dichloroethane-d4	110	NA	68.7-129	NA		%REC	4/25/2014 12:20 AM	
Surr: 4-Bromofluorobenzene	101	NA	71.8-127	NA		%REC	4/25/2014 12:20 AM	
Surr: Dibromofluoromethane	104	NA	74.3-124	NA		%REC	4/25/2014 12:20 AM	
Surr: Toluene-d8	97.4	NA	71.4-129	NA		%REC	4/25/2014 12:20 AM	
VOLATILE ORGANIC COMPOUNDS-ADDITIONAL			**Method: SW8260B (1996)**				**Analyst: RB**	
trans-1,4-Dichloro-2-butene	ND	2.81	100	NA		µg/L	4/25/2014 12:20 AM	PA/VA
Surr: 1,2-Dichloroethane-d4	106	NA	80-120	NA		%REC	4/25/2014 12:20 AM	
Surr: 4-Bromofluorobenzene	99.1	NA	80-120	NA		%REC	4/25/2014 12:20 AM	
Surr: Dibromofluoromethane	103	NA	80-120	NA		%REC	4/25/2014 12:20 AM	
Surr: Toluene-d8	98.2	NA	80-120	NA		%REC	4/25/2014 12:20 AM	

CHAIN OF CUSTODY RECORD

REIC

Research Environmental & Industrial Consultants, Inc.

MAIN LABORATORY & CORPORATE HEADQUARTERS:
P.O. Box 286 • 225 Industrial Park Rd, Beaver, WV 25813
800-999-0105 • 304-255-2500 • www.reiclabs.com

MID-OHIO VALLEY Service Center
209 15th Street
Ashland, KY 41101
606-393-5027

SHENANDOAH Service Center
1557 Commerce Rd., Ste. 201
Verona, VA 24482
540-248-0183

ROANOKE Service Center
3029-C Peters Creek Rd
Roanoke, VA 24019
540-777-1276

v5-1109 REIC use ONLY CLIENT ID MAC 006 DATE _____ SHEET 1 OF 2

Client: MACON CO DEPT OF SWM PO # _____
Contact Person CHRIS STAHL Phone 828-439-2100
Address 109 SIERRA DRIVE City FRANKLIN State NC Zip 28734
Billing Address (if different) _____
City FRANKLIN State NC Zip 28734
Site ID & State OLD FRANKLIN LF / NC Project ID 1 st Semi 2014 Sampler Mcbride / Farley / Shirley

SAMPLE LOG & ANALYSIS REQUEST

TURNAROUND TIME: (•) NORMAL — RUSH TURNAROUND: ( ) 5 DAY ( ) 3 DAY ( ) 2 DAY ( ) 1 DAY

*Rush work needs prior laboratory approval and will incur additional charges

ANALYSIS & METHOD REQUESTED: NC APPENDIX 1; TSS

SAMPLE ID	No. & Type of Containers	Sampling Date/Time	Matrix	Sample Comp/Grab	1/2	0							
MW-1	6	4-17-14 / 1148	GWater	Grab	✓	✓							
MW-3	6	1230	GWater	Grab	✓	✓							
MW-6	6	0915	GWater	Grab	✓	✓							
MW-6CR	6	0855	GWater	Grab	✓	✓							
MW-7	6	1104	GWater	Grab	✓	✓							
MW-7C	6	1125	GWater	Grab	✓	✓							
MW-10	6	1041	GWater	Grab	✓	✓							
HAIRE	6	0928	GWater	Grab	✓	✓							
MW-10 DUPLICATE	18	1041	Choose	Choose	✓	✓							

ENTER PRESERVATIVE CODE:
0 None
1 Hydrochloric Acid
2 Nitric Acid
3 Sulfuric Acid
4 Sodium Thiosulfate
5 Sodium Hydroxide
6 Zinc Acetate
7 EDTA

COMMENTS:
ANALYZE DIS METALS FOR ANY TOTAL METAL DETECTIONS

All analytical requests are subject to REIC's Standard Terms and Conditions.

Temperature at arrival: 1.0 °C ICED? Y ✓ N___

1 Allen McBride (Relinquished by (signature))	4-18-14 Date 0630	2 Relinquished by (signature)	Date/Time	3 Relinquished by (signature)	Date/Time
Received by (signature)	4-18-14 Date 0630	Received by (signature)	Date/Time	Received by (signature)	Date/Time

CHAIN OF CUSTODY RECORD

REIC

Research Environmental & Industrial Consultants, Inc.

MAIN LABORATORY & CORPORATE HEADQUARTERS:
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1557 Commerce Rd., Ste. 201
Verona, VA 24482
540-248-0183

ROANOKE Service Center
3029-C Peters Creek Rd
Roanoke, VA 24019
540-777-1275

v5-1109 REIC use ONLY CLIENT ID MAC 006 DATE _____ SHEET 2 OF 2

Client: MACON CO DEPT OF SWM PO # _____
Contact Person CHRIS STAHL Phone 828-439-2100
Address 109 SIERRA DRIVE City FRANKLIN State NC Zip 28734
Billing Address (if different) _____
City FRANKLIN State NC Zip 28734
Site ID & State OLD FRANKLIN LF / NC Project ID 1 st Semi 2014 Sampler Mcbride / Farley / Shirley

SAMPLE LOG & ANALYSIS REQUEST

TURNAROUND TIME: (•) NORMAL
RUSH TURNAROUND: ( ) 5 DAY ( ) 3 DAY ( ) 2 DAY ( ) 1 DAY
*Rush work needs prior laboratory approval and will incur additional charges

ANALYSIS & METHOD REQUESTED: NC APPENDIX 1 VOC

SAMPLE ID	No. & Type of Containers	Sampling Date/Time	Matrix	Sample Comp/Grab	NC APPENDIX 1 VOC
TRIP BLANK # 3	2 voa		GWater	Grab	✓
			GWater	Grab	
			GWater	Grab	
			GWater	Grab	
			GWater	Grab	
			GWater	Grab	
			GWater	Grab	
			GWater	Grab	
			Choose	Choose	

ENTER PRESERVATIVE CODE:
0 None
1 Hydrochloric Acid
2 Nitric Acid
3 Sulfuric Acid
4 Sodium Thiosulfate
5 Sodium Hydroxide
6 Zinc Acetate
7 EDTA

COMMENTS:
ANALYZE DIS METALS FOR ANY TOTAL METAL DETECTIONS

All analytical requests are subject to REIC's Standard Terms and Conditions.

Temperature at arrival: 1.0°C ICED? Y ✓ N___

	Relinquished by (signature)	Date/Time	Received by (signature)	Date/Time
1	Allen McBride	4-18-14 0630		
		4-18-14 0630		
2	Relinquished by (signature)	Date/Time	Received by (signature)	Date/Time
3	Relinquished by (signature)	Date/Time	Received by (signature)	Date/Time

Old Franklin Landfill

Franklin, Macon County, North Carolina

Permit Number: 57-01

Appendix D:

Historical Laboratory Analytical Results

HISTORICAL ANALYTICAL RESULTS

MW-1

OLD FRANKLIN LANDFILL: PERMIT NO: 57-01

FRANKLIN, NORTH CAROLINA

VOCs	NC 2L	SWSL	Jun-1994	Oct-1994	Mar-1995	Nov-1995	Apr-1996	Oct-1996	May-1997	Oct-1997	Apr-1998	Oct-1998	Apr-1999	Oct-1999	May-2000	Oct-2000	Apr-2001	Oct-2001	Apr-2002	Apr-2002
1,1-Dichloroethane	70	5	*	*	*	*	*	*	*	*	2.4	*	2.9	2.6	3.8	3.2	3.3	2.9	2.6	2.7
1,2-Dichlorobenzene	24	5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
1,2-Dichloroethane	0.38	1	*	*	*	*	*	*	*	*	*	*	*	*	*	1	1.1	*	*	*
1,4-Dichlorobenzene	1.4	1	*	*	*	*	*	*	6	6	*	6.7	8.1	8.5	9.2	12	9.4	9.7	8.9	10
Acetone	700	100	*	*	*	53	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Benzene	1	1	*	*	*	*	*	*	*	*	*	3.5	4.5	4.4	5.2	4.6	4.7	4.5	4.3	4.3
Carbon Disulfide	700	100	*	*	*	*	*	*	*	*	*	*	*	*	7	71	*	*	*	*
Chlorobenzene	50	3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1	1
cis-1,2-Dichloroethene	70	5	*	7	8.8	*	8	*	*	*	12.5	9.2	13.3	12	15.7	13	13	15	15	17
Dichlorodifluoromethane	1400	NA	*	*	*	17	*	19	*	7	*	*	*	*	*	*	*	*	*	*
Methylene Chloride	4.6	1	*	*	*	28	17	*	*	*	*	*	*	*	*	*	*	*	*	*
Tetrachloroethene (PCE)	0.7	1.0	*	*	*	*	*	*	*	*	*	2.5	3	2.9	3.4	3	4	3.3	2.9	3.1
Toluene	1000	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2.9	*
Trichloroethene (TCE)	2.8	1.0	*	*	*	*	*	*	*	*	*	2	2	*	2.4	2.4	3	2.9	3.2	2.7
Trichlorofluoromethane	2100	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1.7	*	*	*
Vinyl Chloride	0.015	1	*	*	*	*	*	*	*	*	*	*	*	*	*	2.2	1.5	1.6	2.2	1.8
METALS	**NC 2L**	**SWSL**	**Jun-1994**	**Oct-1994**	**Mar-1995**	**Nov-1995**	**Apr-1996**	**Oct-1996**	**May-1997**	**Oct-1997**	**Apr-1998**	**Oct-1998**	**Apr-1999**	**Oct-1999**	**May-2000**	**Oct-2000**	**Apr-2001**	**Oct-2001**	**Apr-2002**	**Apr-2002**
Antimony	NL	6	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3.2	*	*	*
Arsenic	50	10	*	*	*	*	*	*	*	*	*	*	*	*	*	8.1	*	*	*	*
Barium	2000	100	213	252	370	490	229	46	239	153	203	192	192	209	199	240	200	230	250	280
Cadmium	1.75	1	*	*	*	1	*	*	2	*	*	*	*	*	*	*	*	*	*	*
Chromium	50	10	*	*	*	*	*	11	*	*	*	*	*	*	*	8.3	4.2	5.5	*	17
Cobalt	NL	10	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Copper	1000	10	*	*	*	*	*	*	12	21	*	*	*	*	*	*	*	*	*	10
Lead	15	10	*	*	*	*	*	*	6	4	*	*	*	*	*	*	*	*	*	*
Nickel	100	50	*	*	*	*	*	*	*	22	*	*	*	*	*	*	*	*	*	21
Selenium	50	10	*	*	*	*	*	*	*	*	*	*	*	*	*	10	*	*	*	*
Vanadium	NL	20	*	*	*	*	*	*	*	*	*	*	*	*	*	10	*	*	*	*
Zinc	1050	10	22	10	11	*	26	46	29	*	41	*	39	*	*	42	30	*	30	33

NOTES:

1. *** - Constituent did not exceed laboratory Practical Quantitation (PQL) Limit or Solid Waste Section Limit (SWSL).**
2. **NS - location not sampled**
3. **NL - constituent does not have a NC 2L Standard**
4. **Constituents that exceed the NC 2L Standard are highlighed in red**
5. **DRY - well was dry during sampling event**
6. **All constituents reported in parts per billion (ppb)**
7. **Only compounds detected above the laboratory PQL or SWSL are listed**
8. **N/A - Not Applicable**

HISTORICAL ANALYTICAL RESULTS

MW-1

OLD FRANKLIN LANDFILL: PERMIT NO: 57-01

FRANKLIN, NORTH CAROLINA

VOCs	NC 2L	SWSL	Apr-2004	Dec-2004	Apr-2005	Oct-2005	Apr-2006	Oct-2007	Apr-2007	Oct-2007	Apr-2008	Oct-2008	Apr-2009	Oct-2009	NC 2L	SWSL	Apr-2010	Oct-2010	Apr-2011	Oct-2011
1,1-Dichloroethane	70	5	NS	*	*	*	*	*	*	*	*	2.9	*	*	7	5	*	*	*	*
1,2-Dichlorobenzene	24	5	*	*	*	*	*	*	*	*	*	1.0	*	*	20	5	*	*	*	*
1,2-Dichloroethane	0.38	1	NS	*	*	*	*	*	*	*	*	*	*	*	0.4	1	*	*	*	*
1,4-Dichlorobenzene	1.4	1	NS	12.6	12.2	14.1	13.9	11.9	12.5	13.3	13.4	10.8	12.1	12.3	6	1	12.9	13	13.9	13.3
Acetone	700	100	NS	*	*	*	*	*	*	*	*	*	*	*	6000	100	*	*	*	*
Benzene	1	1	NS	3.7	3.8	3.4	3.1	4.6	4.0	4.7	5.0	4.3	4.8	3.9	1	1	3.7	3.3	3.1	3.9
Carbon Disulfide	700	100	NS	*	*	*	*	*	*	*	*	*	*	*	700	100	*	*	*	*
Chlorobenzene	50	3	NS	*	*	*	*	*	4.8	5.6	4.2	3.4	3.2	*	50	3	3.4	6.3	7.8	10.2
cis-1,2-Dichloroethene	70	5	NS	14.7	15.4	16.2	15.4	15.0	14.5	14.4	14.0	12.4	13.1	13.3	70	5	13.6	14.5	16.8	16.3
Dichlorodifluoromethane	1400	NA	NS	NA	NA	NA	NA	NA	NA	NA	*	*	*	*	1000	5	*	*	*	*
Methylene Chloride	4.6	1	NS	*	*	*	*	*	*	*	*	*	*	*	5	1	*	*	*	*
Tetrachloroethene (PCE)	0.7	1.0	NS	2.1	*	*	2.0	2.2	2.0	2.4	1.8	1.5	1.6	1.7	0.7	1	*	1.2	1.6	1.4
Toluene	1000	1	NS	*	*	*	*	*	*	*	*	*	*	*	600	1	*	*	*	*
Trichloroethene (TCE)	2.8	1.0	NS	2.3	2.3	*	2.0	2.4	2.1	2.3	1.9	1.6	1.8	1.8	3	1	1.5	1.5	1.5	1.4
Trichlorofluoromethane	2100	1	NS	*	*	*	*	*	*	*	*	*	*	*	2000	1	*	*	*	*
Vinyl Chloride	0.015	1	NS	1.1	1.4	*	1.3	1.1	*	1.4		1.0	*	*	0.03	1	*	*	*	*
METALS	**NC 2L**	**SWSL**	**Apr-2004**	**Dec-2004**	**Apr-2005**	**Oct-2005**	**Apr-2006**	**Oct-2007**	**Apr-2007**	**Oct-2007**	**Apr-2008**	**Oct-2008**	**Apr-2009**	**Oct-2009**	**NC 2L**	**SWSL**	**Apr-2010**	**Oct-2010**	**Apr-2011**	**Oct-2011**
Antimony	NL	6	NS	*	*	*	*		*	*	*	*	*	*	NL	6	*	*	*	*
Arsenic	50	10	NS	*	*	*	*	*	*	*	*	*	*	*	10	10	*	*	*	*
Barium	2000	100	NS	*	*	*	*	*	636	273	309	501	305	268	700	100	261	261	251	258
Cadmium	1.75	1	NS	*	*	*	*	*	*	*	*	1.3	*	*	2	1	*	*	*	1.4
Chromium	50	10	NS	*	*	*	*	*	14.9	*	14.7	55.4	*	*	10	10	*	*	*	*
Cobalt	1000	10	NS	*	*	*	*	*	*	*	*	*	*	*	1000	10	*	*	*	*
Copper	1000	10	NS	*	*	*	*	*	17.7	*	*	22.8	*	10.2	1000	10	*	*	*	*
Lead	15	10	NS	*	*	*	*	*	*	*	*	*	*	*	15	10	*	*	*	*
Nickel	100	50	NS	*	*	*	*	*	*	*	*	*	*	*	100	50	*	*	*	*
Selenium	50	10	NS	*	*	*	*	*	*	*	*	*	*	*	20	10	*	*	*	*
Vanadium	NL	20	NS	*	*	*	*	*	*	*	*	35.6	*	*	NL	25	*	*	*	*
Zinc	1050	10	NS	*	*	*	*	*	79	*	11.7	28.3	*	18.9	1000	10	*	*	*	15.3

NOTES:

1. *** - Constituent did not exceed laboratory Practical Quantitation (PQL) Limit or Solid Waste Section Limit (SWSL).**
2. **NS - location not sampled**
3. **NL - constituent does not have a NC 2L Standard**
4. **Constituents that exceed the NC 2L Standard are highlighed in red**
5. **DRY - well was dry during sampling event**
6. **All constituents reported in parts per billion (ppb)**
7. **Only compounds detected above the laboratory PQL or SWSL are listed**
8. **N/A - Not Applicable**

HISTORICAL ANALYTICAL RESULTS

OLD FRANKLIN LANDFILL: PERMIT NO: 57-01

FRANKLIN, NORTH CAROLINA

MW-1

VOCs	NC 2L	SWSL	Apr-2012	Oct-2012	Apr-2013	Oct-2013	Apr-2014
1,1-Dichloroethane	7	5	*	*	*	*	*
1,2-Dichlorobenzene	20	5	*	*	*	*	*
1,2-Dichloroethane	0.4	1	*	3.1	*	*	*
1,4-Dichlorobenzene	6	1	13.3	12.4	13.9	13.3	13.0
Acetone	6000	100	*	*	*	*	*
Benzene	1	1	3.7	2.3	3.9	4.0	3.8
Carbon Disulfide	700	100	*	*	*	*	*
Chlorobenzene	50	3	11.7	12.1	12.9	17.0	19.4
cis-1,2-Dichloroethene	70	5	14.2	11.3	17.1	15.9	15.7
Dichlorodifluoromethane	1000	5	*	*	*	*	*
Methylene Chloride	5	1	*	*	*	*	*
Tetrachloroethene (PCE)	0.7	1	1.6	*	1.1	1.0	*
Toluene	600	1	*	*	*	*	*
Trichloroethene (TCE)	3	1	1.4	*	1.2	*	1.0
Trichlorofluoromethane	2000	1	*	*	*	*	*
Vinyl Chloride	0.03	1	*	*	*	*	*
METALS	**NC 2L**	**SWSL**	**Apr-2012**	**Oct-2012**	**Apr-2013**	**Oct-2013**	**Apr-2014**
Antimony	1	6	*	*	*	*	*
Arsenic	10	10	*	*	*	*	*
Barium	700	100	258	285	216	262	250
Cadmium	2	1	1.6	7.2	1.2	2.3	1.5
Chromium	10	10	*	12.7	*	*	*
Cobalt	1000	10	*	*	*	*	*
Copper	1000	10	*	13.1	*	*	*
Lead	15	10	*	*	*	*	*
Nickel	100	50	*	*	*	*	*
Selenium	20	10	*	*	*	*	*
Vanadium	0.3	25	*	*	*	*	*
Zinc	1000	10	14.1	14.4	29.8	*	19.7

NOTES:

1. *** - Constituent did not exceed laboratory Practical Quantitation (PQL) Limit or Solid Waste Section Limit (SWSL).**
2. **NS - location not sampled**
3. **NL - constituent does not have a NC 2L Standard**
4. **Constituents that exceed the NC 2L Standard are highlighed in red**
5. **DRY - well was dry during sampling event**
6. **All constituents reported in parts per billion (ppb)**
7. **Only compounds detected above the laboratory PQL or SWSL are listed**
8. **N/A - Not Applicable**

HISTORICAL ANALYTICAL RESULTS

MW-2

OLD FRANKLIN LANDFILL: PERMIT NO: 57-01

FRANKLIN, NORTH CAROLINA

VOCs	NC 2L	SWSL	Jun-1994	Oct-1994	Mar-1995	Nov-1995	Apr-1996	Oct-1996	May-1997	Oct-1997	Apr-1998	Oct-1998	Apr-1999	Oct-1999	May-2000	Oct-2000	Apr-2001	Oct-2001	Apr-2002	Apr-2002
Benzene	1	1	*	*	*	*	*	*	22	*	*	*	*	*	*	DRY	*	NS	NS	NS
Carbon Disulfide	700	100	*	*	*	*	*	*	*	*	*	3.8	*	*	*	DRY	*	NS	NS	NS
METALS	**NC 2L**	**SWSL**	**Jun-1994**	**Oct-1994**	**Mar-1995**	**Nov-1995**	**Apr-1996**	**Oct-1996**	**May-1997**	**Oct-1997**	**Apr-1998**	**Oct-1998**	**Apr-1999**	**Oct-1999**	**May-2000**	**Oct-2000**	**Apr-2001**	**Oct-2001**	**Apr-2002**	**Apr-2002**
Antimony	NL	6	*	*	*	*	*	*	*	*	*	*	*	*	*	DRY	*	NS	NS	NS
Arsenic	50	10	*	*	*	*	*	*	*	*	*	11	*	*	*	DRY	*	NS	NS	NS
Barium	2000	100	*	844	632	581	398	892	52	491	57	426	259	2120	192	DRY	230	NS	NS	NS
Cadmium	1.75	1	*	*	*	*	*	*	1	*	*	*	*	*	*	DRY	*	NS	NS	NS
Chromium	50	10	*	*	*	*	*	106	*	35	*	60	18	172	19	DRY	26	NS	NS	NS
Cobalt	NL	10	*	*	*	*	*	40	*	*	*	29	*	77	*	DRY	*	NS	NS	NS
Copper	1000	10	*	*	*	*	*	18	*	45	*	42	*	167	12	DRY	17	NS	NS	NS
Lead	15	10	*	*	*	*	*	*	6	9	*	6	*	28	5	DRY	19	NS	NS	NS
Nickel	100	50	*	*	*	*	*	*	*	44	*	26	*	66	*	DRY	*	NS	NS	NS
Vanadium	NL	20	*	*	*	*	*	145	*	*	*	76	24	245	31	DRY	38	NS	NS	NS
Zinc	1050	10	*	16	29	*	31	143	11	106	24	134	80	534	37	DRY	49	NS	NS	NS

NOTES:

1. *** - Constituent did not exceed laboratory Practical Quantitation (PQL) Limit or Solid Waste Section Limit (SWSL).**
2. **NS - location not sampled**
3. **NL - constituent does not have a NC 2L Standard**
4. **Constituents that exceed the NC 2L Standard are highlighed in red**
5. **DRY - well was dry during sampling event**
6. **All constituents reported in parts per billion (ppb)**
7. **Only compounds detected above the laboratory PQL or SWSL are listed**
8. **N/A - Not Applicable**

HISTORICAL ANALYTICAL RESULTS

MW-2

OLD FRANKLIN LANDFILL: PERMIT NO: 57-01

FRANKLIN, NORTH CAROLINA

VOCs	NC 2L	SWSL	Apr-2003	Oct-2003	Apr-2004	Dec-2004	Apr-2005	Oct-2005	Apr-2006	Oct-2007	Apr-2007	Oct-2007	Apr-2008	Oct-2008	Apr-2009	Oct-2009	NC 2L	SWSL	Apr-2010	Sep-2010	Apr-2011
Benzene	1	1	*	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	*	NS	1	1	NS	NS	*
Carbon Disulfide	700	100	*	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	*	NS	700	100	NS	NS	*
METALS	**NC 2L**	**SWSL**	**Apr-2003**	**Oct-2003**	**Apr-2004**	**Dec-2004**	**Apr-2005**	**Oct-2005**	**Apr-2006**	**Oct-2007**	**Apr-2007**	**Oct-2007**	**Apr-2008**	**Oct-2008**	**Apr-2009**	**Oct-2009**	**NC 2L**	**SWSL**	**Apr-2010**	**Sep-2010**	**Apr-2011**
Antimony	NL	6	*	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	*	NS	NL	6	NS	NS	*
Arsenic	50	10	*	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	*	NS	10	10	NS	NS	*
Barium	2000	100	82	NS	NS	NS	*	NS	NS	NS	189	NS	NS	NS	175	NS	700	100	NS	NS	271
Cadmium	1.75	1	*	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	*	NS	2	1	NS	NS	*
Chromium	50	10	7.2	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	10.6	NS	10	10	NS	NS	11.9
Cobalt	1000	10	*	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	*	NS	1000	10	NS	NS	*
Copper	15	10	7.1	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	10.1	NS	15	10	NS	NS	*
Lead	100	50	*	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	*	NS	100	50	NS	NS	*
Nickel	50	10	*	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	*	NS	20	10	NS	NS	*
Vanadium	NL	20	11	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	*	NS	NL	25	NS	NS	*
Zinc	1050	10	23	NS	NS	NS	*	NS	NS	NS	15.7	NS	NS	NS	34.3	NS	1050	10	NS	NS	35.7

NOTES:

1. *** - Constituent did not exceed laboratory Practical Quantitation (PQL) Limit or Solid Waste Section Limit (SWSL).**
2. **NS - location not sampled**
3. **NL - constituent does not have a NC 2L Standard**
4. **Constituents that exceed the NC 2L Standard are highlighed in red**
5. **DRY - well was dry during sampling event**
6. **All constituents reported in parts per billion (ppb)**
7. **Only compounds detected above the laboratory PQL or SWSL are listed**
8. **N/A - Not Applicable**

HISTORICAL ANALYTICAL RESULTS

OLD FRANKLIN LANDFILL: PERMIT NO: 57-01

FRANKLIN, NORTH CAROLINA

MW-2

VOCs	NC 2L	SWSL	Oct-2011	Apr-2012	Oct-2012	Apr-2013	Oct-2013	Apr-2014
Benzene	1	1	NS	NS	NS	*	NS	NS
Carbon Disulfide	700	100	NS	NS	NS	*	NS	NS
METALS	**NC 2L**	**SWSL**	**Oct-2011**	**Apr-2012**	**Oct-2012**	**Apr-2013**	**Oct-2013**	**Apr-2014**
Antimony	1	6	NS	NS	NS	*	NS	NS
Arsenic	10	10	NS	NS	NS	*	NS	NS
Barium	700	100	NS	NS	NS	*	NS	NS
Cadmium	2	1	NS	NS	NS	*	NS	NS
Chromium	10	10	NS	NS	NS	*	NS	NS
Cobalt	1000	10	NS	NS	NS	*	NS	NS
Copper	15	10	NS	NS	NS	*	NS	NS
Lead	100	50	NS	NS	NS	*	NS	NS
Nickel	20	10	NS	NS	NS	*	NS	NS
Vanadium	0.3	25	NS	NS	NS	*	NS	NS
Zinc	1050	10	NS	NS	NS	25.1	NS	NS

NOTES:

1. *** - Constituent did not exceed laboratory Practical Quantitation (PQL) Limit or Solid Waste Section Limit (SWSL).**
2. **NS - location not sampled**
3. **NL - constituent does not have a NC 2L Standard**
4. **Constituents that exceed the NC 2L Standard are highlighed in red**
5. **DRY - well was dry during sampling event**
6. **All constituents reported in parts per billion (ppb)**
7. **Only compounds detected above the laboratory PQL or SWSL are listed**
8. **N/A - Not Applicable**

HISTORICAL ANALYTICAL RESULTS

MW-3

OLD FRANKLIN LANDFILL: PERMIT NO: 57-01

FRANKLIN, NORTH CAROLINA

VOCs	NC 2L	SWSL	Jun-1994	Oct-1994	Mar-1995	Nov-1995	Apr-1996	Oct-1996	May-1997	Oct-1997	Apr-1998	Oct-1998	Apr-1999	Oct-1999	May-2000	Oct-2000	Apr-2001	Oct-2001	Apr-2002	Apr-2002	Apr-2003
1,2-Dichlorobenzene	24	5	*	*	*	*	*	*	*	*	*	*	DRY	*	*	*	*	*	*	*	*
1,4-Dichlorobenzene	1.4	1	*	7.7	7	*	6	9	*	*	6.0	4.3	DRY	2.9	4.0	3.5	4.8	*	*	*	*
Acetone	700	100	*	*	*	12	*	*	*	*	*	*	DRY	*	*	*	*	*	*	*	*
Benzene	1	1	*	*	*	*	*	*	*	*	*	*	DRY	1	*	*	1.1	*	*	*	*
Carbon Disulfide	700	100	*	*	*	*	*	*	*	*	*	4.1	DRY	*	*	*	*	*	*	*	*
Chlorobenzene	50	3	*	*	*	*	*	*	*	*	*	*	DRY	*	*	*	1	*	*	*	*
Chloroethane	2800	10	*	*	*	*	*	*	*	*	*	*	DRY	1.5	*	*	*	*	*	*	*
cis-1,2-Dichloroethene	70	5	12	22	30	26	*	*	*	21.8	13.7	8.3	DRY	6.4	5.1	3.8	6.2	*	*	*	*
Vinyl Chloride	0.015	1	*	*	*	*	*	*	*	4	*	*	DRY	*	*	*	*	*	5.4	*	*
METALS	**NC 2L**	**SWSL**	**Jun-1994**	**Oct-1994**	**Mar-1995**	**Nov-1995**	**Apr-1996**	**Oct-1996**	**May-1997**	**Oct-1997**	**Apr-1998**	**Oct-1998**	**Apr-1999**	**Oct-1999**	**May-2000**	**Oct-2000**	**Apr-2001**	**Oct-2001**	**Apr-2002**	**Apr-2002**	**Apr-2003**
Antimony	NL	6	*	*	*	*	*	*	*	*	*	*	DRY	3.7	*	*	*	*	*	*	*
Arsenic	10	10	*	*	*	*	*	*	*	*	*	*	DRY	*	*	*	*	*	6	*	*
Barium	2000	100	1170	1490	1110	1440	1325	249	433	369	15,000	921	DRY	660	1200	940	680	390	560	870	621
Beryllium	NL	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Cadmium	1.75	1	10	1	1	*	15	2	13	14.6	89	95	DRY	32	30	32	5.5	2.8	*	7.3	4.6
Chromium	50	10	*	6	*	*	181	*	*	9	640	66	DRY	36	61	38	29	16	34	64	16.3
Cobalt	NL	10	*	65	73	67	142	63	46	72	920	46	DRY	*	61	54	44	37	42	44	29.8
Copper	1000	10	13	11	11	22	34	13	*	*	690	110	DRY	50	110	65	48	32	48	88	*
Lead	15	10	*	*	5	12	*	13	*	4	80	29	DRY	17	22	16	14	7.5	10	24	*
Nickel	100	50	*	13	*	*	19	12	*	16	500	35	DRY	17	47	27	30	16	26	36	*
Selenium	50	10	*	*	*	*	*	*	*	*	*	14	DRY	14	*	*	*	7.4	*	*	*
Vanadium	NL	20	*	*	*	*	*	*	*	*	910	64	DRY	37	73	47	27	16	31	71	*
Zinc	1050	10	14	44	19	70	300	51	32	266	2530	642	DRY	270	270	220	190	63	88	160	*

NOTES:

1. *** - Constituent did not exceed laboratory Practical Quantitation (PQL) Limit or Solid Waste Section Limit (SWSL).**
2. **NS - location not sampled**
3. **NL - constituent does not have a NC 2L Standard**
4. **Constituents that exceed the NC 2L Standard are highlighed in red**
5. **DRY - well was dry during sampling event**
6. **All constituents reported in parts per billion (ppb)**
7. **Only compounds detected above the laboratory PQL or SWSL are listed**
8. **N/A - Not Applicable**

HISTORICAL ANALYTICAL RESULTS

MW-3

OLD FRANKLIN LANDFILL: PERMIT NO: 57-01

FRANKLIN, NORTH CAROLINA

VOCs	NC 2L	SWSL	Oct-2003	Apr-2004	Dec-2004	Apr-2005	Oct-2005	Apr-2006	Oct-2007	Apr-2007	Oct-2007	Apr-2008	Oct-2008	Apr-2009	Oct-2009	NC 2L	SWSL	Apr-2010	Oct-2010	Apr-2011	Oct-2011	Apr-2012
1,2-Dichlorobenzene	24	5	*	*	*	*	*	*	*	*	*	*	2.9	*	*	20	5	*	*	*	*	*
1,4-Dichlorobenzene	1.4	1	*	*	*	*	1.3	1.6	3.1	1.8	2.1	2.5	1.0	*	2.5	6	1	2.5	*	1.4	*	1.1
Acetone	700	100	*	*	*	*	*	*	*	*	*	*	*	*	*	6000	100	*	*	*	*	*
Benzene	1	1	*	*	*	*	*	*	*	*	*	*	10.8	12.1	12.3	1	1	*	*	*	*	*
Carbon Disulfide	700	100	*	*	*	*	*	*	*	*	*	*	*	*	*	700	100	*	*	*	*	*
Chlorobenzene	50	3	*	*	*	*	*	*	*	*	*	*	4.3	4.8	*	50	3	*	*	*	*	*
Chloroethane	2800	10	*	*	*	*	*	*	*	*	*	*	*	*	*	3000	10	*	*	*	*	*
cis-1,2-Dichloroethene	70	5	*	*	*	*	*	*	*	*	*	*	3.4	3.2	*	70	5	*	*	*	*	*
Vinyl Chloride	0.015	1	*	*	*	*	*	*	*	*	*	*	12.4	13.1	*	0.03	1	*	*	*	*	*
METALS	**NC 2L**	**SWSL**	**Oct-2003**	**Apr-2004**	**Dec-2004**	**Apr-2005**	**Oct-2005**	**Apr-2006**	**Oct-2007**	**Apr-2007**	**Oct-2007**	**Apr-2008**	**Oct-2008**	**Apr-2009**	**Oct-2009**	**NC 2L**	**SWSL**	**Apr-2010**	**Oct-2010**	**Apr-2011**	**Oct-2011**	**Apr-2012**
Antimony	NL	6	*	*	*	*	*	*	*	*	*	*	*	*	*	1	6	*	*	*	*	*
Arsenic	10	10	*	*	*	*	*	*	*	*	*	*	*	*	*	10	10	*	*	*	*	*
Barium	2000	100	966	*	1940	6260	2580	266	360	6330	1350	625	1.5	1.6	625	700	100	334	840	313	480	1330
Beryllium	NL	1	*	*	*	4.3	1.3	*	*	3.9	*	*	*	*	*	4	1	*	*	*	*	*
Cadmium	1.75	1	6.3	1.6	9.3	26.2	4.9	*	*	23.6	2.00	1.4	1.6	1.8	1.4	2	1	1.6	1.4	1.1	*	1.1
Chromium	50	10	*	*	14.8	114	20.3	*	*	104	28.3	*	*	*	*	10	10	*	46.8	*	*	11.4
Cobalt	NL	10	43	23.7	64.3	215	74.5	16.1	14.1	191	41.0	20.4	1.0	*	20.4	1	10	21.4	39.9	14.7	19.0	31.2
Copper	1000	10	*	*	*	*	184	*	*	457	81.1	29	*	*	29	1000	10	18.9	77.1	*	32.4	71.1
Lead	15	10	14.7	*	18.5	82.6	26.1	*	*	108	23.8	*	*	*	*	15	10	*	17.6	*	*	17.4
Nickel	100	50	*	*	*	116	*	*	*	109	*	*	501	305	*	100	50	*	*	*	*	*
Selenium	50	10	*	*	*	*	*	*	*	*	*	*	1.3	*	*	20	10	*	*	*	*	*
Vanadium	NL	20	*	*	44	279	74.9	*	*	190	53.7	*	55.4	*	*	0.3	25	*	56.6	*	*	28.2
Zinc	1050	10	*	*	82.6	616	103	*	12.8	506	84.5	21.5	22.8	*	21.5	1000	10	14.6	139	16.1	22.4	53.0

NOTES:

1. * - Constituent did not exceed laboratory Practical Quantitation (PQL) Limit or Solid Waste Section Limit (SWSL).
2. NS - location not sampled
3. NL - constituent does not have a NC 2L Standard
4. Constituents that exceed the NC 2L Standard are highlighed in red
5. DRY - well was dry during sampling event
6. All constituents reported in parts per billion (ppb)
7. Only compounds detected above the laboratory PQL or SWSL are listed
8. N/A - Not Applicable

HISTORICAL ANALYTICAL RESULTS

OLD FRANKLIN LANDFILL: PERMIT NO: 57-01

FRANKLIN, NORTH CAROLINA

MW-3

VOCs	NC 2L	SWSL	Oct-2012	Apr-2013	Oct-2013	Apr-2014
1,2-Dichlorobenzene	20	5	*	*	*	*
1,4-Dichlorobenzene	6	1	*	1.9	1.5	2.8
Acetone	6000	100	*	*	*	*
Benzene	1	1	*	*	*	*
Carbon Disulfide	700	100	*	*	*	*
Chlorobenzene	50	3	*	*	*	*
Chloroethane	3000	10	*	*	*	*
cis-1,2-Dichloroethene	70	5	*	*	*	*
Vinyl Chloride	0.03	1	*	*	*	*
METALS	**NC 2L**	**SWSL**	**Oct-2012**	**Apr-2013**	**Oct-2013**	**Apr-2014**
Antimony	1	6	*	*	*	*
Arsenic	10	10	*	*	*	*
Barium	700	100	739	265	770	486
Beryllium	4	1	*	*	*	*
Cadmium	2	1	*	*	*	*
Chromium	10	10	*	*	*	*
Cobalt	1	10	22.3	18.7	25.6	22.5
Copper	1000	10	42.0	*	35.5	16.2
Lead	15	10	12.7	*	*	*
Nickel	100	50	*	*	*	*
Selenium	20	10	*	*	*	*
Vanadium	0.3	25	*	*	*	*
Zinc	1000	10	28.9	19.0	30.5	15.8

NOTES:

1. *** - Constituent did not exceed laboratory Practical Quantitation (PQL) Limit or Solid Waste Section Limit (SWSL).**
2. **NS - location not sampled**
3. **NL - constituent does not have a NC 2L Standard**
4. **Constituents that exceed the NC 2L Standard are highlighed in red**
5. **DRY - well was dry during sampling event**
6. **All constituents reported in parts per billion (ppb)**
7. **Only compounds detected above the laboratory PQL or SWSL are listed**
8. **N/A - Not Applicable**

HISTORICAL ANALYTICAL RESULTS

MW-4

OLD FRANKLIN LANDFILL: PERMIT NO: 57-01

FRANKLIN, NORTH CAROLINA

VOCs	NC 2L	SWSL	Oct-1994	Mar-1995	Nov-1995	Apr-1996	Oct-1996	May-1997	Oct-1997	Apr-1998	Oct-1998	Apr-1999	Oct-1999	May-2000	Oct-2000	Apr-2001	Oct-2001	Apr-2002	Oct-2002	Apr-2003	Oct-2003
1,1,1-Trichloroethane	200	1	13	10	9	6	*	*	*	*	*	*	*	*	*	*	NS	NS	NS	*	NS
1,1-Dichloroethane	70	5	16	14	22	16	13	12	9	11.1	8.4	8.2	6.2	7.9	7	6.7	NS	NS	NS	*	NS
1,4-Dichlorobenzene	1.4	1	12	10	11	8	10	15	14	*	14	13.3	13.5	13	16	11	NS	NS	NS	11	NS
Acetone	700	100	*	*	*	*	*	*	*	*	*	*	*	*	*	*	NS	NS	NS	790	NS
Benzene	1	1	9.7	7.1	8	8	9	*	7	*	7.1	6.9	6.2	6.4	5.5	4.6	NS	NS	NS	5.4	NS
Carbon Disulfide	700	100	*	*	*	*	*	*	*	*	2.2	*	12.6	7.4	*	*	NS	NS	NS	*	NS
Chlorobenzene	50	3	*	*	*	*	*	*	*	*	*	*	*	*	2	1.8	NS	NS	NS	*	NS
Chloroethane	2800	10	16	13	19	15	18	14	*	*	*	9.4	8	8.6	*	8.6	NS	NS	NS	*	NS
cis-1,2-Dichloroethene	70	5	*	*	*	*	*	*	*	28.3	26.9	31.6	28.6	30.6	25	22	NS	NS	NS	21	NS
Methylene Chloride	4.6	1	110	110	160	100	*	31	*	*	*	24.3	11.8	9.5	*	11	NS	NS	NS	9.5	NS
Tetrachloroethene (PCE)	0.7	1	7.1	5.4	*	*	*	*	*	*	2.3	2	*	*	1.3	1.5	NS	NS	NS	*	NS
Trichloroethene (TCE)	2.8	1	*	*	*	*	*	*	*	*	*	*	*	*	2.1	2	NS	NS	NS	*	NS
Vinyl Chloride	0.015	1	*	*	*	*	*	*	*	*	*	*	*	*	1.7	1.2	NS	NS	NS	*	NS
Xylenes total	530	3	15	7.3	6	9	29	28	17		17.6	13	13.9	6.5	5		NS	NS	NS	*	NS
METALS	**NC 2L**	**SWSL**	**Oct-1994**	**Mar-1995**	**Nov-1995**	**Apr-1996**	**Oct-1996**	**May-1997**	**Oct-1997**	**Apr-1998**	**Oct-1998**	**Apr-1999**	**Oct-1999**	**May-2000**	**Oct-2000**	**Apr-2001**	**Oct-2001**	**Apr-2002**	**Oct-2002**	**Apr-2003**	**Oct-2003**
Antimony	NL	6	*	*	*	*	*	*	*	*	*	*	*	*	*	3.1	NS	NS	NS	5.2	NS
Arsenic	50	10	*	*	*	*	*	*	*	*	*	*	*	*	13	*	NS	NS	NS	5.8	NS
Barium	2000	100	1280	1160	874	766	871	764	843	695	761	866	894	926	950	980	NS	NS	NS	670	NS
Cadmium	1.75	1	1	*	*	*	*	*	*	*	*	*	*	*	*	*	NS	NS	NS	*	NS
Chromium	50	10	*	6	*	*	*	13	*	*	29	7	*	*	7.6	*	NS	NS	NS	66	NS
Cobalt	NL	10	*	*	*	*	*	*	*	112	215	200	232	255	240	250	NS	NS	NS	33	NS
Copper	1000	10	23	30	20	*	14	13		*	19	*	*	*	*	*	NS	NS	NS	180	NS
Lead	15	10	*	*	*	*	*	77	*	*	*	*	*	*	*	*	NS	NS	NS	22	NS
Nickel	100	50	*	*	*	*	30	29	34	26	43	43	34	39	64	27	NS	NS	NS	35	NS
Selenium	50	10	*	*	*	*	*	*	*	*	*	10	12	19	31	19	NS	NS	NS	6.9	NS
Silver	18	10	*	*	*	*	*	*	*	*	*	*	*	*	8	*	NS	NS	NS	*	NS
Vanadium	NL	20	*	*	*	*	*	*	*	*	26	*	*	*	*	*	NS	NS	NS	87	NS
Zinc	1050	10	68	67	41	69	66	26	*	93	45	29	32	*	27	19	NS	NS	NS	240	NS

NOTES:

1. *** - Constituent did not exceed laboratory Practical Quantitation (PQL) Limit or Solid Waste Section Limit (SWSL).**
2. **NS - location not sampled**
3. **NL - constituent does not have a NC 2L Standard**
4. **Constituents that exceed the NC 2L Standard are highlighed in red**
5. **DRY - well was dry during sampling event**
6. **All constituents reported in parts per billion (ppb)**
7. **Only compounds detected above the laboratory PQL or SWSL are listed**
8. **N/A - Not Applicable**

HISTORICAL ANALYTICAL RESULTS

MW-4

OLD FRANKLIN LANDFILL: PERMIT NO: 57-01

FRANKLIN, NORTH CAROLINA

VOCs	NC 2L	SWSL	Apr-2005	Oct-2005	Apr-2006	Oct-2006	Apr-2007	Oct-2007	Apr-2008	Oct-2008	Apr-2009	Oct-2009	NC 2L	SWSL	Apr-2010	Oct-2010	Apr-2011	Oct-2011	Apr-2012	Oct-2012	Apr-2013	Oct-2013	Apr-2014
1,1,1-Trichloroethane	200	1	*	NS	NS	NS	*	NS	NS	NS	*	NS	7	5	NS	NS	*	NS	NS	NS	*	NS	NS
1,1-Dichloroethane	70	5	*	NS	NS	NS	*	NS	NS	NS	*	NS	0.4	1	NS	NS	*	NS	NS	NS	*	NS	NS
1,4-Dichlorobenzene	1.4	1	13.3	NS	NS	NS	13.6	NS	NS	NS	10.5	NS	6	1	NS	NS	10	NS	NS	NS	9.3	NS	NS
Acetone	700	100	*	NS	NS	NS	*	NS	NS	NS	*	NS	6000	100	NS	NS	*	NS	NS	NS	*	NS	NS
Benzene	1	1	5.7	NS	NS	NS	3.8	NS	NS	NS	3.8	NS	1	1	NS	NS	1.9	NS	NS	NS	2.3	NS	NS
Carbon Disulfide	700	100	*	NS	NS	NS	*	NS	NS	NS	*	NS	700	100	NS	NS	*	NS	NS	NS	*	NS	NS
Chlorobenzene	50	3	*	NS	NS	NS	*	NS	NS	NS	*	NS	50	3	NS	NS	4.9	NS	NS	NS	5.2	NS	NS
Chloroethane	2800	10	*	NS	NS	NS	*	NS	NS	NS	*	NS	3000	10	NS	NS	*	NS	NS	NS	*	NS	NS
cis-1,2-Dichloroethene	70	5	21.2	NS	NS	NS	15.9	NS	NS	NS	13.0	NS	70	5	NS	NS	14.1	NS	NS	NS	13.6	NS	NS
Methylene Chloride	4.6	1	5.4	NS	NS	NS	1.2	NS	NS	NS	1.5	NS	5	1	NS	NS	*	NS	NS	NS	*	NS	NS
Tetrachloroethene (PCE)	0.7	1	*	NS	NS	NS	*	NS	NS	NS	*	NS	0.7	1	NS	NS	*	NS	NS	NS	*	NS	NS
Trichloroethene (TCE)	2.8	1	1.7	NS	NS	NS	1.5	NS	NS	NS	*	NS	3	1	NS	NS	*	NS	NS	NS	*	NS	NS
Vinyl Chloride	0.015	1	1.8	NS	NS	NS	*	NS	NS	NS	*	NS	0.03	1	NS	NS	*	NS	NS	NS	*	NS	NS
Xylenes total	530	3	*	NS	NS	NS	1.6	NS	NS	NS	*	NS	500	5	NS	NS	*	NS	NS	NS	*	NS	NS
METALS	**NC 2L**	**SWSL**	**Apr-2005**	**Oct-2005**	**Apr-2006**	**Oct-2006**	**Apr-2007**	**Oct-2007**	**Apr-2008**	**Oct-2008**	**Apr-2009**	**Oct-2009**	**NC 2L**	**SWSL**	**Apr-2010**	**Oct-2010**	**Apr-2011**	**Oct-2011**	**Apr-2012**	**Oct-2012**	**Apr-2013**	**Oct-2013**	**Apr-2014**
Antimony	NL	6	*	NS	NS	NS	*	NS	NS	NS	*	NS	1	6	NS	NS	*	NS	NS	NS	*	NS	NS
Arsenic	50	10	*	NS	NS	NS	*	NS	NS	NS	*	NS	10	10	NS	NS	*	NS	NS	NS	*	NS	NS
Barium	2000	100	957	NS	NS	NS	903	NS	NS	NS	1030	NS	700	100	NS	NS	945	NS	NS	NS	1100	NS	NS
Cadmium	1.75	1	*	NS	NS	NS	*	NS	NS	NS	*	NS	2	1	NS	NS	*	NS	NS	NS	1.6	NS	NS
Chromium	50	10	*	NS	NS	NS	*	NS	NS	NS	*	NS	10	10	NS	NS	*	NS	NS	NS	13.9	NS	NS
Cobalt	NL	10	115	NS	NS	NS	86.7	NS	NS	NS	56.2	NS	1	10	NS	NS	65.7	NS	NS	NS	212	NS	NS
Copper	1000	10	*	NS	NS	NS	*	NS	NS	NS	*	NS	1000	10	NS	NS	*	NS	NS	NS	27.3	NS	NS
Lead	15	10	*	NS	NS	NS	*	NS	NS	NS	*	NS	15	10	NS	NS	*	NS	NS	NS	*	NS	NS
Nickel	100	50	*	NS	NS	NS	*	NS	NS	NS	*	NS	100	50	NS	NS	*	NS	NS	NS	74.2	NS	NS
Selenium	50	10	*	NS	NS	NS	*	NS	NS	NS	*	NS	20	10	NS	NS	*	NS	NS	NS	*	NS	NS
Silver	18	10	*	NS	NS	NS	*	NS	NS	NS	*	NS	20	10	NS	NS	*	NS	NS	NS	*	NS	NS
Vanadium	NL	20	*	NS	NS	NS	*	NS	NS	NS	*	NS	0.3	25	NS	NS	*	NS	NS	NS	37.7	NS	NS
Zinc	1050	10	*	NS	NS	NS	77.8	NS	NS	NS	29.0	NS	1000	10	NS	NS	51.2	NS	NS	NS	265	NS	NS

NOTES:

1. *** - Constituent did not exceed laboratory Practical Quantitation (PQL) Limit or Solid Waste Section Limit (SWSL).**
2. **NS - location not sampled**
3. **NL - constituent does not have a NC 2L Standard**
4. **Constituents that exceed the NC 2L Standard are highlighed in red**
5. **DRY - well was dry during sampling event**
6. **All constituents reported in parts per billion (ppb)**
7. **Only compounds detected above the laboratory PQL or SWSL are listed**
8. **N/A - Not Applicable**

HISTORICAL ANALYTICAL RESULTS

MW-5

OLD FRANKLIN LANDFILL: PERMIT NO: 57-01

FRANKLIN, NORTH CAROLINA

VOCs	NC 2L	SWSL	Oct-1994	Mar-1995	Nov-1995	Apr-1996	Oct-1996	May-1997	Oct-1997	Apr-1998	Oct-1998	Apr-1999	Oct-1999	May-2000	Oct-2000	Apr-2001	Oct-2001	Apr-2002	Oct-2002	Apr-2003	Oct-2003
1,1-Dichloroethane	70	5	5.5	*	8	6	*	*	8	5	5.3	5.6	5.2	5.5	4.6	3.8	NS	NS	NS	*	NS
1,2-Dichloroethane	0.38	1	*	*	*	*	*	*	*	*	*	*	*	2.1	2	1.5	NS	NS	NS	*	NS
1,4-Dichlorobenzene	1.4	1	9.6	7.5	11	7	12	9	13	*	16	13.5	12.4	13.4	16	13	NS	NS	NS	29	NS
Acetone	700	100	*	210	64	12	*	*	*	*	*	*	*	*	*	*	NS	NS	NS	190	NS
Benzene	1	1	11	7	12	8	8	*	11	*	9.7	11.6	12.6	13.9	11	7.8	NS	NS	NS	13	NS
Carbon Disulfide	700	100	*	*	*	*	*	*	*	*	*	*	3.6	*	*	*	NS	NS	NS	*	NS
Chloroethane	2800	10	*	*	*	*	*	*	*	*	*	*	*	*	*	1.7	NS	NS	NS	*	NS
cis-1,2-Dichloroethene	70	5	14	12	21	13	*	*	*	18.1	17.1	20.1	18	19.9	17	12	NS	NS	NS	32	NS
Dichlorodifluoromethane	1400	NA	*	*	18	*	15	*	*	*	*	*	*	*	*	*	NS	NS	NS	*	NS
Methylene Chloride	4.6	1	*	*	89	43	*	*	45	*	39.5	55.5	52.1	42.2	8.2	14	NS	NS	NS	21	NS
Tetrachloroethene (PCE)	0.7	1	12	5.8	*	*	*	*	*	*	5.6	5.2	5	5.3	3.8	3.9	NS	NS	NS	5.4	NS
Toluene	1000	1	*	*	*	*	6	*	*	*	*	*	*	*	*	*	NS	NS	NS	*	NS
trans-1,2-Dichloroethene	100	5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	NS	NS	NS	*	NS
Trichloroethene (TCE)	2.8	1	*	*	*	*	*	*	*	*	3.4	3.3	3	3.4	3.1	2.7	NS	NS	NS	*	NS
Vinyl Chloride	0.015	1	*	*	*	*	*	*	*	*	*	2.4	*	*	2.1	*	NS	NS	NS	*	NS
Xylenes total	530	3	7.3	*	7	5	*	*	*	*	5.2	11	11.3	7.8	7.2	7.2	NS	NS	NS	8.5	NS
METALS	**NC 2L**	**SWSL**	**Oct-1994**	**Mar-1995**	**Nov-1995**	**Apr-1996**	**Oct-1996**	**May-1997**	**Oct-1997**	**Apr-1998**	**Oct-1998**	**Apr-1999**	**Oct-1999**	**May-2000**	**Oct-2000**	**Apr-2001**	**Oct-2001**	**Apr-2002**	**Oct-2002**	**Apr-2003**	**Oct-2003**
Antimony	NL	6	*	*	*	*	*	*	30	*	*	*	*	*	*	4.2	NS	NS	NS	*	NS
Arsenic	50	10	*	*	*	*	*	*	*	*	9	*	7	6	9.8		NS	NS	NS	*	NS
Barium	2000	100	621	4,220	539	2,340	1,780	361	351	358	419	503	2,820	1,950	610	1,100	NS	NS	NS	480	NS
Cadmium	1.75	1	*	*	*	*	*	*	*	*	*	*	*	3	*	6	NS	NS	NS	*	NS
Chromium	50	10	*	7	*	*	223	*	*	14	15	13	199	140	44	95	NS	NS	NS	24	NS
Cobalt	NL	10	22	97	16	45	122	*	*	*	*	*	102	74	21	45	NS	NS	NS	89	NS
Copper	1000	10	12	128	*	47	91	30	23	44	33	35	527	369	77	220	NS	NS	NS	120	NS
Lead	15	10	6	41	*	34	*	7	9	*	*	6	72	47	*	26	NS	NS	NS	13	NS
Nickel	100	50	*	*	*	*	12	*	*	*	*		75	54	25	36	NS	NS	NS	23	NS
Selenium	50	10	*	*	*	*	*	*	*	*	*	*	*	*	*	12	NS	NS	NS	16	NS
Vanadium	NL	20	*	*	*	*	313	*	*	*	*	*	194	158	39	110	NS	NS	NS	22	NS
Zinc	1050	10	27	100	18	64	185	159	22	98	88	74	74	536	150	320	NS	NS	NS	110	NS

NOTES:

1. *** - Constituent did not exceed laboratory Practical Quantitation (PQL) Limit or Solid Waste Section Limit (SWSL).**
2. **NS - location not sampled**
3. **NL - constituent does not have a NC 2L Standard**
4. **Constituents that exceed the NC 2L Standard are highlighed in red**
5. **DRY - well was dry during sampling event**
6. **All constituents reported in parts per billion (ppb)**
7. **Only compounds detected above the laboratory PQL or SWSL are listed**
8. **N/A - Not Applicable**

HISTORICAL ANALYTICAL RESULTS

MW-5

OLD FRANKLIN LANDFILL: PERMIT NO: 57-01

FRANKLIN, NORTH CAROLINA

VOCs	NC 2L	SWSL	Apr-2004	Dec-2004	Apr-2005	Oct-2005	Apr-2006	Oct-2006	Apr-2007	Oct-2007	Apr-2008	Oct-2008	Apr-2009	Oct-2009	NC 2L	SWSL	Apr-2010	Oct-2010	Apr-2011	Oct-2011	Apr-2012	Oct-2012
1,1-Dichloroethane	70	5	NS	NS	*	NS	NS	NS	*	NS	NS	NS	*	NS	7	5	NS	NS	*	NS	NS	NS
1,2-Dichloroethane	0.38	1	NS	NS	2.1	NS	NS	NS	*	NS	NS	NS	*	NS	0.4	1	NS	NS	*	NS	NS	NS
1,4-Dichlorobenzene	1.4	1	NS	NS	22	NS	NS	NS	23.5	NS	NS	NS	17.6	NS	6	1	NS	NS	24.1	NS	NS	NS
Acetone	700	100	NS	NS	*	NS	NS	NS	*	NS	NS	NS	*	NS	6000	100	NS	NS	*	NS	NS	NS
Benzene	1	1	NS	NS	10.4	NS	NS	NS	13.8	NS	NS	NS	6.5	NS	1	1	NS	NS	5.3	NS	NS	NS
Carbon Disulfide	700	100	NS	NS	*	NS	NS	NS	*	NS	NS	NS	*	NS	700	100	NS	NS	*	NS	NS	NS
Chloroethane	2800	10	NS	NS	*	NS	NS	NS	*	NS	NS	NS	*	NS	3000	10	NS	NS	*	NS	NS	NS
cis-1,2-Dichloroethene	70	5	NS	NS	21.5	NS	NS	NS	21.6	NS	NS	NS	16.7	NS	70	5	NS	NS	19.3	NS	NS	NS
Dichlorodifluoromethane	1400	NA	NS	NS	NA	NS	NS	NS	NA	NS	NS	NS	*	NS	1000	5	NS	NS	*	NS	NS	NS
Methylene Chloride	4.6	1	NS	NS	*	NS	NS	NS	1.1	NS	NS	NS	6.9	NS	5	1	NS	NS	*	NS	NS	NS
Tetrachloroethene (PCE)	0.7	1	NS	NS	*	NS	NS	NS	3.2	NS	NS	NS	1.5	NS	0.7	1	NS	NS	*	NS	NS	NS
Toluene	1000	1	NS	NS	*	NS	NS	NS	*	NS	NS	NS	*	NS	600	1	NS	NS	*	NS	NS	NS
trans-1,2-Dichloroethene	100	5	NS	NS	*	NS	NS	NS	*	NS	NS	NS	*	NS	100	5	NS	NS	*	NS	NS	NS
Trichloroethene (TCE)	2.8	1	NS	NS	2	NS	NS	NS	3.6	NS	NS	NS	2.2	NS	3	1	NS	NS	1.4	NS	NS	NS
Vinyl Chloride	0.015	1	NS	NS	1.1	NS	NS	NS	*	NS	NS	NS	*	NS	0.03	1	NS	NS	*	NS	NS	NS
Xylenes total	530	3	NS	NS	*	NS	NS	NS	*	NS	NS	NS	*	NS	500	5	NS	NS	*	NS	NS	NS
METALS	**NC 2L**	**SWSL**	**Apr-2004**	**Dec-2004**	**Apr-2005**	**Oct-2005**	**Apr-2006**	**Oct-2006**	**Apr-2007**	**Oct-2007**	**Apr-2008**	**Oct-2008**	**Apr-2009**	**Oct-2009**	**NC 2L**	**SWSL**	**Apr-2010**	**Oct-2010**	**Apr-2011**	**Oct-2011**	**Apr-2012**	**Oct-2012**
Antimony	NL	6	NS	NS	*	NS	NS	NS	*	NS	NS	NS	*	NS	1	6	NS	NS	*	NS	NS	NS
Arsenic	50	10	NS	NS	*	NS	NS	NS	*	NS	NS	NS	*	NS	10	10	NS	NS	*	NS	NS	NS
Barium	2000	100	NS	NS	1280	NS	NS	NS	493	NS	NS	NS	363	NS	700	100	NS	NS	466	NS	NS	NS
Cadmium	1.75	1	NS	NS	*	NS	NS	NS	*	NS	NS	NS	*	NS	2	1	NS	NS	*	NS	NS	NS
Chromium	50	10	NS	NS	10.5	NS	NS	NS	*	NS	NS	NS	8	NS	10	10	NS	NS	*	NS	NS	NS
Cobalt	NL	10	NS	NS	94.3	NS	NS	NS	35.7	NS	NS	NS	15.5	NS	1	10	NS	NS	96.9	NS	NS	NS
Copper	1000	10	NS	NS	*	NS	NS	NS	39.5	NS	NS	NS	39.4	NS	1000	10	NS	NS	66.5	NS	NS	NS
Lead	15	10	NS	NS	24.4	NS	NS	NS	*	NS	NS	NS	*	NS	15	10	NS	NS	*	NS	NS	NS
Nickel	100	50	NS	NS	*	NS	NS	NS	*	NS	NS	NS	*	NS	100	50	NS	NS	*	NS	NS	NS
Selenium	50	10	NS	NS	*	NS	NS	NS	*	NS	NS	NS	*	NS	20	10	NS	NS	*	NS	NS	NS
Vanadium	NL	20	NS	NS	*	NS	NS	NS	*	NS	NS	NS	*	NS	0.3	25	NS	NS	*	NS	NS	NS
Zinc	1050	10	NS	NS	120	NS	NS	NS	48.8	NS	NS	NS	45.7	NS	1000	10	NS	NS	56.8	NS	NS	NS

NOTES:

1. *** - Constituent did not exceed laboratory Practical Quantitation (PQL) Limit or Solid Waste Section Limit (SWSL).**
2. **NS - location not sampled**
3. **NL - constituent does not have a NC 2L Standard**
4. **Constituents that exceed the NC 2L Standard are highlighed in red**
5. **DRY - well was dry during sampling event**
6. **All constituents reported in parts per billion (ppb)**
7. **Only compounds detected above the laboratory PQL or SWSL are listed**
8. **N/A - Not Applicable**

HISTORICAL ANALYTICAL RESULTS

OLD FRANKLIN LANDFILL: PERMIT NO: 57-01

FRANKLIN, NORTH CAROLINA

MW-5

VOCs	NC 2L	SWSL	Apr-2013	Oct-2013	Apr-2014
1,1-Dichloroethane	7	5	1.4	NS	NS
1,2-Dichloroethane	0.4	1	18.6	NS	NS
1,4-Dichlorobenzene	6	1	*	NS	NS
Acetone	6000	100	*	NS	NS
Benzene	1	1	4.4	NS	NS
Carbon Disulfide	700	100	*	NS	NS
Chloroethane	3000	10	*	NS	NS
cis-1,2-Dichloroethene	70	5	17.7	NS	NS
Dichlorodifluoromethane	1000	5	*	NS	NS
Methylene Chloride	5	1	*	NS	NS
Tetrachloroethene (PCE)	0.7	1	*	NS	NS
Toluene	600	1	*	NS	NS
trans-1,2-Dichloroethene	100	5	*	NS	NS
Trichloroethene (TCE)	3	1	1.3	NS	NS
Vinyl Chloride	0.03	1	*	NS	NS
Xylenes total	500	5	*	NS	NS
METALS	**NC 2L**	**SWSL**	**Apr-2013**	**Oct-2013**	**Apr-2014**
Antimony	1	6	*	NS	NS
Arsenic	10	10	*	NS	NS
Barium	700	100	445	NS	NS
Cadmium	2	1	*	NS	NS
Chromium	10	10	*	NS	NS
Cobalt	1	10	122	NS	NS
Copper	1000	10	46.9	NS	NS
Lead	15	10	*	NS	NS
Nickel	100	50	*	NS	NS
Selenium	20	10	*	NS	NS
Vanadium	0.3	25	*	NS	NS
Zinc	1000	10	63.8	NS	NS

NOTES:

1. *** - Constituent did not exceed laboratory Practical Quantitation (PQL) Limit or Solid Waste Section Limit (SWSL).**
2. **NS - location not sampled**
3. **NL - constituent does not have a NC 2L Standard**
4. **Constituents that exceed the NC 2L Standard are highlighed in red**
5. **DRY - well was dry during sampling event**
6. **All constituents reported in parts per billion (ppb)**
7. **Only compounds detected above the laboratory PQL or SWSL are listed**
8. **N/A - Not Applicable**

HISTORICAL ANALYTICAL RESULTS

MW-6

OLD FRANKLIN LANDFILL: PERMIT NO: 57-01

FRANKLIN, NORTH CAROLINA

VOCs	NC 2L	SWSL	Jun-1994	Oct-1994	Mar-1995	Nov-1995	Apr-1996	Oct-1996	May-1997	Oct-1997	Apr-1998	Oct-1998	Apr-1999	Oct-1999	May-2000	Oct-2000	Apr-2001	Oct-2001	Apr-2002	Oct-2002	Apr-2003
1,1-Dichloroethane	70	5	N/A	N/A	N/A	N/A	N/A	N/A	*	*	*	*	2.4	2.3	3.9	2.6	2.6	2.8	2.5	2.2	*
1,2-Dichloroethane	0.38	1	N/A	N/A	N/A	N/A	N/A	N/A	*	*	*	*	*	*	*	1.2	*	*	*	*	*
1,4-Dichlorobenzene	1.4	1	N/A	N/A	N/A	N/A	N/A	N/A	*	*	*	7.1	11.5	11.2	13.9	14	10	13	12	11	*
Benzene	1	1	N/A	N/A	N/A	N/A	N/A	N/A	*	*	*	3.8	6.7	7.4	9.2	6.6	3.8	7.8	7	6.2	*
Chloroethane	2800	10	N/A	N/A	N/A	N/A	N/A	N/A	*	*	*	*	*	*	*	*	*	1.3	*	*	*
cis-1,2-Dichloroethene	70	5	N/A	N/A	N/A	N/A	N/A	N/A	*	*	*	7	14.2	14.4	18.5	14	8.5	17	17	14	*
Methylene Chloride	4.6	1	N/A	N/A	N/A	N/A	N/A	N/A	*	*	*	*	19	22.9	27.5	7.8	16	24	25	21	*
Tetrachloroethene (PCE)	0.7	1	N/A	N/A	N/A	N/A	N/A	N/A	*	*	*	3.1	4.1	3.7	4	3.3	3.6	3.8	3.9	3	*
Trichloroethene (TCE)	2.8	1	N/A	N/A	N/A	N/A	N/A	N/A	*	*	*	*	*	*	*	2	1.8	2.3	2.1	2.1	*
Xylenes total	530	3	N/A	N/A	N/A	N/A	N/A	N/A	*	*	*	4.1	8.6	9.1	5.3	11	4.9	9	9.8	7.4	*
METALS	**NC 2L**	**SWSL**	**Jun-1994**	**Oct-1994**	**Mar-1995**	**Nov-1995**	**Apr-1996**	**Oct-1996**	**May-1997**	**Oct-1997**	**Apr-1998**	**Oct-1998**	**Apr-1999**	**Oct-1999**	**May-2000**	**Oct-2000**	**Apr-2001**	**Oct-2001**	**Apr-2002**	**Oct-2002**	**Apr-2003**
Antimony	NL	6	N/A	N/A	N/A	N/A	N/A	N/A	*	*	*	*	*	*	*	*	3.5	*	*	*	*
Arsenic	50	10	N/A	N/A	N/A	N/A	N/A	N/A	*	*	*	11	6	9	8	25	*	*	*	*	36
Barium	2000	100	N/A	N/A	N/A	N/A	N/A	N/A	1379	1282	282	1150	2780	4430	4800	2200	2600	3500	12000	10000	130
Beryllium	NL	10	N/A	N/A	N/A	N/A	N/A	N/A	*	*	*	*	*	*	*	3.8	*	2.2	5.2	5.1	*
Cadmium	1.75	1	N/A	N/A	N/A	N/A	N/A	N/A	*	*	*	*	*	2	2	*	10	*	*	*	*
Chromium	50	10	N/A	N/A	N/A	N/A	N/A	N/A	*	*	*	54	57	175	94	130	170	190	330	300	*
Cobalt	NL	10	N/A	N/A	N/A	N/A	N/A	N/A	18	23	*	61	120	246	212	100	150	170	440	370	*
Copper	1000	10	N/A	N/A	N/A	N/A	N/A	N/A	14	29	*	121	157	490	262	230	350	440	780	930	4.9
Lead	15	10	N/A	N/A	N/A	N/A	N/A	N/A	6	24	*	22	48	125	108	*	*	88	230	250	*
Nickel	100	50	N/A	N/A	N/A	N/A	N/A	N/A	*	*	*	22	37	80	48	96	63	100	190	270	*
Selenium	50	10	N/A	N/A	N/A	N/A	N/A	N/A	*	11	*	*	6	*	*	19	13	*	*	*	5.5
Silver	18	10	N/A	N/A	N/A	N/A	N/A	N/A	*	*	*	*	*	*	*	2.8	*	*	*	*	*
Vanadium	NL	20	N/A	N/A	N/A	N/A	N/A	N/A	*	*	*	83	84	204	102	150	250	260	460	490	*
Zinc	1050	10	N/A	N/A	N/A	N/A	N/A	N/A	37	25	64	281	308	854	438	380	710	840	1500	1300	12

NOTES:

1. * - Constituent did not exceed laboratory Practical Quantitation (PQL) Limit or Solid Waste Section Limit (SWSL).
2. NS - location not sampled
3. NL - constituent does not have a NC 2L Standard
4. Constituents that exceed the NC 2L Standard are highlighed in red
5. DRY - well was dry during sampling event
6. All constituents reported in parts per billion (ppb)
7. Only compounds detected above the laboratory PQL or SWSL are listed
8. N/A - Not Applicable

HISTORICAL ANALYTICAL RESULTS

MW-6

OLD FRANKLIN LANDFILL: PERMIT NO: 57-01

FRANKLIN, NORTH CAROLINA

VOCs	NC 2L	SWSL	Oct-2003	Apr-2004	Dec-2004	Apr-2005	Oct-2005	Apr-2006	Oct-2006	Apr-2007	Oct-2007	Apr-2008	Oct-2008	Apr-2009	Oct-2009	NC 2L	SWSL	Apr-2010	Oct-2010	Apr-2011	Oct-2011	Apr-2012
1,1-Dichloroethane	70	5	*	*	*	*	*	*	*	*	*	*	*	*	*	0.4	1	*	*	*	*	*
1,2-Dichloroethane	0.38	1	*	*	*	*	*	*	*	*	*	*	*	*	*	20	5	*	*	*	*	*
1,4-Dichlorobenzene	1.4	1	*	*	9.2	5.6	*	*	12.2	12.7	16.9	10.1	12.6	15.8	11.8	6	1	*	3.6	5.2	7.9	8.4
Benzene	1	1	*	*	*	*	*	*	2.1	2.0	3.2	1.4	3.1	3.8	2.2	1	1	*	*	*	1.4	*
Chloroethane	2800	10	*	*	*	*	*	*	*	*	*	*	*	*	*	3000	10	*	*	*	*	*
cis-1,2-Dichloroethene	70	5	*	*	*	*	*	*	5.4	6.0	9.2	6.7	8.7	10.0	7.4	70	5	*	*	*	*	*
Methylene Chloride	4.6	1	*	*	*	*	*	*	7.2	7.4	11.6	5.7	10.6	12.2	7.7	5	1	*	*	1.3	2.4	2.4
Tetrachloroethene (PCE)	0.7	1	*	*	1.3	*	*	*	*	*	1.5	*	*	1.1	1	0.7	1	*	*	*	*	*
Trichloroethene (TCE)	2.8	1	*	*	*	*	*	*	*	*	1.1	*	*	1.0	*	3	1	*	*	*	*	*
Xylenes total	530	3	*	*	*	*	*	*	*	3.7	7.3	*	4.8	5.8	1.6	500	5	*	*	*	*	*
METALS	**NC 2L**	**SWSL**	**Oct-2003**	**Apr-2004**	**Dec-2004**	**Apr-2005**	**Oct-2005**	**Apr-2006**	**Oct-2006**	**Apr-2007**	**Oct-2007**	**Apr-2008**	**Oct-2008**	**Apr-2009**	**Oct-2009**	**NC 2L**	**SWSL**	**Apr-2010**	**Oct-2010**	**Apr-2011**	**Oct-2011**	**Apr-2012**
Antimony	NL	6	*	*	*	*	*	*	*	*	*	*	*	*	*	1	6	*	*	*	*	*
Arsenic	50	10	6.1	7.1	*	*	*	*	*	*	*	*	*	*	*	10	10	*	*	*	*	*
Barium	2000	100	1100	3400	1630	1520	709	862	639	707	317	314	371	291	253	700	100	283	500	453	282	431
Beryllium	NL	10	*	*	*	*	*		*	*	*	*	*	*	*	4	1	*	*	*	*	*
Cadmium	1.75	1	*	21	*	*	*	*	*	*	*	*	*	*	*	2	1	*	*	*	*	*
Chromium	50	10	89	200	133	*	*		*	*	*	*	*	*	*	10	10	*	25.7	*	*	*
Cobalt	NL	10	44	180	85.6	47.6	12.9	16.6	*	12.4	12.7	*	14.8	13.6	*	1	10	*	10.3	*	*	*
Copper	1000	10	230	550	307	*	*	*	*	26.1	*	*	21.5	*	*	1000	10	*	54.2	23.1	*	24.1
Lead	15	10	34	110	42	23.3	*	11.8	*	10.9	*	*	*	*	*	15	10	*	10.1	*	*	*
Nickel	100	50	58	100	57.4	*	*	*	*	*	*	*	*	*	*	100	50	*	*	*	*	*
Selenium	50	10	*	*	*	*	*	*	*	*	*	*	*	*	*	20	10	*	*	*	*	*
Silver	18	10	*	*	*	*	*	*	*	*	*	*	*	*	*	20	10	*	*	*	*	*
Vanadium	NL	20	120	290	191	*	*	*	*	*	*	*	*	*	*	0.3	25	*	34.7	*	*	*
Zinc	1050	10	320	790	403	*	51	*	*	32.5	11.4	18.1	45.1	22.7	*	1000	10	11.2	106	39.3	11.5	32.9

NOTES:

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2. NS - location not sampled
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4. Constituents that exceed the NC 2L Standard are highlighed in red
5. DRY - well was dry during sampling event
6. All constituents reported in parts per billion (ppb)
7. Only compounds detected above the laboratory PQL or SWSL are listed
8. N/A - Not Applicable

HISTORICAL ANALYTICAL RESULTS

OLD FRANKLIN LANDFILL: PERMIT NO: 57-01

FRANKLIN, NORTH CAROLINA

MW-6

VOCs	NC 2L	SWSL	Oct-2012	Apr-2013	Oct-2013	Apr-2014
1,1-Dichloroethane	0.4	1	*	*	*	*
1,2-Dichloroethane	20	5	*	*	*	*
1,4-Dichlorobenzene	6	1	10.5	2.9	1.8	1.7
Benzene	1	1	*	*	*	*
Chloroethane	3000	10	*	*	*	*
cis-1,2-Dichloroethene	70	5	*	*	*	*
Methylene Chloride	5	1	3.5	*	*	*
Tetrachloroethene (PCE)	0.7	1	*	*	*	*
Trichloroethene (TCE)	3	1	*	*	*	*
Xylenes total	500	5	*	*	*	*
METALS	**NC 2L**	**SWSL**	**Oct-2012**	**Apr-2013**	**Oct-2013**	**Apr-2014**
Antimony	1	6	*	*	*	*
Arsenic	10	10	*	*	*	*
Barium	700	100	236	295	362	480
Beryllium	4	1	*	*	*	*
Cadmium	2	1	*	*	*	*
Chromium	10	10	*	*	*	*
Cobalt	1	10	*	*	*	*
Copper	1000	10	*	11.8	13.8	10.4
Lead	15	10	*	*	*	*
Nickel	100	50	*	*	*	*
Selenium	20	10	*	*	*	*
Silver	20	10	*	*	*	*
Vanadium	0.3	25	*	*	*	*
Zinc	1000	10	12.3	24.1	28.8	13.1

NOTES:

1. *** - Constituent did not exceed laboratory Practical Quantitation (PQL) Limit or Solid Waste Section Limit (SWSL).**
2. **NS - location not sampled**
3. **NL - constituent does not have a NC 2L Standard**
4. **Constituents that exceed the NC 2L Standard are highlighed in red**
5. **DRY - well was dry during sampling event**
6. **All constituents reported in parts per billion (ppb)**
7. **Only compounds detected above the laboratory PQL or SWSL are listed**
8. **N/A - Not Applicable**

HISTORICAL ANALYTICAL RESULTS

MW-6A

OLD FRANKLIN LANDFILL: PERMIT NO: 57-01

FRANKLIN, NORTH CAROLINA

VOCs	NC 2L	SWSL	Apr-2003	Oct-2003	Apr-2004	Dec-2004	Apr-2005	Oct-2005	Apr-2006	Oct-2006	Apr-2007	Oct-2007	Apr-2008	Apr-2008	Apr-2009	Oct-2009	NC 2L	SWSL	Apr-2010	Oct-2010	Apr-2011
1,4-Dichlorobenzene	1.4	1	8.2	NS	NS	NS	9.5	NS	NS	NS	8.6	NS	NS	NS	11.2	NS	6	1	NS	NS	15.3
Acetone	700	100	12	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	*	NS	6000	100	NS	NS	*
Benzene	1	1	6.3	NS	NS	NS	5.6	NS	NS	NS	6.0	NS	NS	NS	6.2	NS	1	1	NS	NS	4.7
cis-1,2-Dichloroethene	70	5	16	NS	NS	NS	17.3	NS	NS	NS	14.6	NS	NS	NS	16.4	NS	70	5	NS	NS	19.5
Methylene Chloride	4.6	1	11	NS	NS	NS	5.2	NS	NS	NS	5.1	NS	NS	NS	2.5	NS	5	1	NS	NS	2.2
Tetrachoroethane	0.7	1	*	NS	NS	NS	*	NS	NS	NS	1.6	NS	NS	NS	1.3	NS	0.7	1	NS	NS	1.1
Trichloroethene	2.8	1	*	NS	NS	NS	1.7	NS	NS	NS	1.6	NS	NS	NS	1.7	NS	3	1	NS	NS	1.4
Xylenes	530	3	*	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	1.2	NS	500	5	NS	NS	*
METALS	**NC 2L**	**SWSL**	**Apr-2003**	**Oct-2003**	**Apr-2004**	**Dec-2004**	**Apr-2005**	**Oct-2005**	**Apr-2006**	**Oct-2006**	**Apr-2007**	**Oct-2007**	**Apr-2008**	**Apr-2008**	**Apr-2009**	**Oct-2009**	**NC 2L**	**SWSL**	**Apr-2010**	**Oct-2010**	**Apr-2011**
Antimony	NL	6	36	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	*	NS	NL	6	NS	NS	*
Barium	2000	100	280	NS	NS	NS	*	NS	NS	NS	281	NS	NS	NS	288	NS	700	100	NS	NS	302
Chromium	50	10	6.8	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	*	NS	10	10	NS	NS	*
Cobalt	NL	10	14	NS	NS	NS	14.5	NS	NS	NS	14.5	NS	NS	NS	14.3	NS	NL	10	NS	NS	14.3
Copper	1000	10	17	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	*	NS	1000	10	NS	NS	*
Nickel	100	50	19	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	*	NS	100	50	NS	NS	*
Vanadium	NL	20	7	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	*	NS	NL	25	NS	NS	*
Zinc	1050	10	58	NS	NS	NS	*	NS	NS	NS	92.5	NS	NS	NS	12.5	NS	1000	10	NS	NS	18.6

NOTES:

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2. **NS - location not sampled**
3. **NL - constituent does not have a NC 2L Standard**
4. **Constituents that exceed the NC 2L Standard are highlighed in red**
5. **DRY - well was dry during sampling event**
6. **All constituents reported in parts per billion (ppb)**
7. **Only compounds detected above the laboratory PQL or SWSL are listed**
8. **N/A - Not Applicable**

HISTORICAL ANALYTICAL RESULTS

OLD FRANKLIN LANDFILL: PERMIT NO: 57-01

FRANKLIN, NORTH CAROLINA

MW-6A

VOCs	NC 2L	SWSL	Oct-2011	Apr-2012	Oct-2012	Apr-2013	Oct-2013	Apr-2014
1,4-Dichlorobenzene	6	1	NS	NS	NS	11.3	NS	NS
Acetone	6000	100	NS	NS	NS	*	NS	NS
Benzene	1	1	NS	NS	NS	4.5	NS	NS
cis-1,2-Dichloroethene	70	5	NS	NS	NS	18.9	NS	NS
Methylene Chloride	5	1	NS	NS	NS	*	NS	NS
Tetrachoroethane	0.7	1	NS	NS	NS	*	NS	NS
Trichloroethene	3	1	NS	NS	NS	1.5	NS	NS
Xylenes	500	5	NS	NS	NS	*	NS	NS
METALS	**NC 2L**	**SWSL**	**Oct-2011**	**Apr-2012**	**Oct-2012**	**Apr-2013**	**Oct-2013**	**Apr-2014**
Antimony	1	6	NS	NS	NS	*	NS	NS
Barium	700	100	NS	NS	NS	296	NS	NS
Chromium	10	10	NS	NS	NS	*	NS	NS
Cobalt	1	10	NS	NS	NS	14.0	NS	NS
Copper	1000	10	NS	NS	NS	*	NS	NS
Nickel	100	50	NS	NS	NS	*	NS	NS
Vanadium	0.3	25	NS	NS	NS	*	NS	NS
Zinc	1000	10	NS	NS	NS	13.2	NS	NS

NOTES:

1. *** - Constituent did not exceed laboratory Practical Quantitation (PQL) Limit or Solid Waste Section Limit (SWSL).**
2. **NS - location not sampled**
3. **NL - constituent does not have a NC 2L Standard**
4. **Constituents that exceed the NC 2L Standard are highlighed in red**
5. **DRY - well was dry during sampling event**
6. **All constituents reported in parts per billion (ppb)**
7. **Only compounds detected above the laboratory PQL or SWSL are listed**
8. **N/A - Not Applicable**

HISTORICAL ANALYTICAL RESULTS

MW-6CR

OLD FRANKLIN LANDFILL: PERMIT NO: 57-01

FRANKLIN, NORTH CAROLINA

VOCs	NC 2L	SWSL	Jun-1994	Oct-1994	Mar-1995	Nov-1995	Apr-1996	Oct-1996	May-1997	Oct-1997	Apr-1998	Oct-1998	Apr-1999	Oct-1999	May-2000	Oct-2000	Apr-2001	Oct-2001	Apr-2002	Oct-2002	Apr-2003
1,1-Dichloroethane	70	5.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	2	3.5	1.4	2.7	2.2	2.3	2.3	*
1,2-Dichlorobenzene	24	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*	*	*	*	*	*	*	*
1,4-Dichlorobenzene	1.4	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3.3	4.5	3.3	3.6	4	4.2	3.5	8.4
2-Butanone	4200	100	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*	*	*	*	*	*	*	*
Acetone	700	100	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*	12	*	*	*	*	*	*
Benzene	1	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	3.3	5.2	2.9	3.7	4	3.8	4.2	*
Carbon Disulfide	700	100	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*	18.6	*	*	*	*	9.9	*
Chloroethane	2800	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*	*	*	1.6	*	*	*	*
cis-1,2-Dichloroethene	70	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8.5	8.3	7.8	9.9	9.4	8.6	10	14
Methylene chloride	4.6	1.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	16.6	15.8	10	22	*	*	*	10
Tetrachloroethene (PCE)	0.7	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*	*	1.8	1.8	1.6	*	1.1	*
Trichloroethene (TCE)	2.8	1.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*	*	1.2	1.4	1.4	1.4	1.1	*
Xylenes total	530	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	4.8	2.6	*	*	3.4	3.6	3.5	5.4
METALS	**NC 2L**	**SWSL**	**Jun-1994**	**Oct-1994**	**Mar-1995**	**Nov-1995**	**Apr-1996**	**Oct-1996**	**May-1997**	**Oct-1997**	**Apr-1998**	**Oct-1998**	**Apr-1999**	**Oct-1999**	**May-2000**	**Oct-2000**	**Apr-2001**	**Oct-2001**	**Apr-2002**	**Oct-2002**	**Apr-2003**
Antimony	NL	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*	*	*	2.2	*	*	*	*
Arsenic	50	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5	*	8.6	6.6	8.4	13	16	*
Barium	2000	100	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	34	30	47	48	61	61	72	11
Cadmium	1.75	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*	*	*	*	*	*	*	*
Chromium	50	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	19	5	21	11	6.4	*	*	*
Cobalt	NL	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*	*	*	*	*	*	*	*
Lead	15	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5	*	*	*	*	*	*	*
Nickel	100	50	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*	*	11	*	*	*	*	*
Selenium	50	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*	6	23	11	*	*	*	*
Zinc	1050	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	23	*	41	40	23	14	11	11

NOTES:

1. * - Constituent did not exceed laboratory Practical Quantitation (PQL) Limit or Solid Waste Section Limit (SWSL).
2. NS - location not sampled
3. NL - constituent does not have a NC 2L Standard
4. Constituents that exceed the NC 2L Standard are highlighed in red
5. DRY - well was dry during sampling event
6. All constituents reported in parts per billion (ppb)
7. Only compounds detected above the laboratory PQL or SWSL are listed
8. N/A - Not Applicable

HISTORICAL ANALYTICAL RESULTS

MW-6CR

OLD FRANKLIN LANDFILL: PERMIT NO: 57-01

FRANKLIN, NORTH CAROLINA

<==MW-6C MW-6CR==>

VOCs	NC 2L	SWSL	Oct-2003	Apr-2004	Dec-2004	Apr-2005	Oct-2005	Apr-2006	Oct-2006	Apr-2007	Oct-2007	Apr-2008	Oct-2008	Apr-2009	Oct-2009	NC 2L	SWSL	Apr-2010	Oct-2010	Apr-2011	Oct-2011	Apr-2012
1,1-Dichloroethane	70	5.0	*	*	*	*	*	*	*	*	NS	*	1.6	*	*	7	5	*	*	*	*	*
1,2-Dichlorobenzene	24	5	*	*	*	*	*	*	*	*	NS	*	*	*	*	20	5	*	*	*	*	*
1,4-Dichlorobenzene	1.4	1	15	8.5	12.3	11	12.1	11.8	11.0	11.6	NS	7.6	7.4	10.1	12.7	6	1	11.6	11.2	13.2	12.8	14.3
2-Butanone	4200	100	*	*	*	*	*	*	*	*	NS	244	*	*	*	4000	10	*	*	*	*	*
Acetone	700	100	*	*	*	*	*	*	*	*	NS	*	*	*	*	6000	100	*	*	*	*	*
Benzene	1	1	8.2	*	5.5	5.8	5.6	5.1	6.5	5.4	NS	1.3	1.5	2.2	2.6	1	1	1.6	1.7	1.5	2.2	1.7
Carbon Disulfide	700	100	*	*	*	*	*	*	*	*	NS	*	*	*	*	700	100	*	*	*	*	*
Chloroethane	2800	10	*	*	*	*	*	*	*	*	NS	*	*	*	*	3000	10	*	*	*	*	*
cis-1,2-Dichloroethene	70	5	27	15	14.2	16.7	18.4	16.8	15.8	15.3	NS	10.5	10.8	13.5	14.9	70	5	13.3	14.6	16.6	16.4	15.2
Methylene chloride	4.6	1.0	8.1	*	*	*	*	*	*	*	NS	1.4	*	*	*	5	1	*	*	*	*	*
Tetrachloroethene (PCE)	0.7	1	*	*	2.1	*	*	1.3	1.5	1.4	NS	*	*	*	1.1	0.7	1	*	*	1.0	*	*
Trichloroethene (TCE)	2.8	1.0	*	*	2.0	1.8	*	1.6	2.0	1.8	NS	1.2	1.1	1.5	1.6	3	1	1.2	1.3	1.3	1.2	1.2
Xylenes total	530	3	*	*	*	*	*	*	*	3.0	NS	*	*	*	*	500	5	*	*	*	*	*
METALS	**NC 2L**	**SWSL**	**Oct-2003**	**Apr-2004**	**Dec-2004**	**Apr-2005**	**Oct-2005**	**Apr-2006**	**Oct-2006**	**Apr-2007**	**Oct-2007**	**Apr-2008**	**Oct-2008**	**Apr-2009**	**Oct-2009**	**NC 2L**	**SWSL**	**Apr-2010**	**Oct-2010**	**Apr-2011**	**Oct-2011**	**Apr-2012**
Antimony	NL	6	*	*	*	*	*	*	*	*	NS	*	*	*	*	1	6	*	*	*	*	*
Arsenic	50	10	27	20	16.7	11.1	13.3	13.7	11.7	12.9	NS	*	*	*	*	10	10	*	*	*	*	*
Barium	2000	100	140	120	*	*	*	*	*	171	NS	*	*	*	224	700	100	278	371	369	402	514
Cadmium	1.75	1	*	3.3	*	*	*	*	*	*	NS	*	*	*	*	2	1	*	*	*	*	*
Chromium	50	10	*	*	*	*	*	*	*	*	NS	*	*	*	*	10	10	*	*	*	*	*
Cobalt	NL	10	*	*	*	*	*	*	*	*	NS	10.5	*	*	14.2	1	10	14.3	30.4	33.3	31.8	41.2
Lead	15	10	*	*	*	*	*	*	*	*	NS	*	*	*	*	15	10	*	*	*	*	*
Nickel	100	50	*	*	*	*	*	*	*	*	NS	*	*	*	*	100	50	*	*	*	*	*
Selenium	50	10	*	*	*	*	*	*	*	*	NS	*	*	*	*	20	10	*	*	*	*	*
Zinc	1050	10	*	*	*	*	*	*	*	47.7	NS	*	*	*	*	1000	10	*	13.0	*	*	19.4

NOTES:

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2. NS - location not sampled
3. NL - constituent does not have a NC 2L Standard
4. Constituents that exceed the NC 2L Standard are highlighed in red
5. DRY - well was dry during sampling event
6. All constituents reported in parts per billion (ppb)
7. Only compounds detected above the laboratory PQL or SWSL are listed
8. N/A - Not Applicable

HISTORICAL ANALYTICAL RESULTS

OLD FRANKLIN LANDFILL: PERMIT NO: 57-01

FRANKLIN, NORTH CAROLINA

MW-6CR

VOCs	NC 2L	SWSL	Oct-2012	Apr-2013	Oct-2013	Apr-2014
1,1-Dichloroethane	7	5	*	*	*	*
1,2-Dichlorobenzene	20	5	17.0	*	*	*
1,4-Dichlorobenzene	6	1	13.9	14.1	13.0	12.6
2-Butanone	4000	10	*	*	*	*
Acetone	6000	100	*	*	*	*
Benzene	1	1	1.3	2.3	1.9	1.7
Carbon Disulfide	700	100	*	*	*	*
Chloroethane	3000	10	*	*	*	*
cis-1,2-Dichloroethene	70	5	12.5	20.1	15.3	15.6
Methylene chloride	5	1	*	*	*	*
Tetrachloroethene (PCE)	0.7	1	*	*	*	*
Trichloroethene (TCE)	3	1	*	1.4	*	1.2
Xylenes total	500	5	*	*	*	*
METALS	**NC 2L**	**SWSL**	**Oct-2012**	**Apr-2013**	**Oct-2013**	**Apr-2014**
Antimony	1	6	*	*	*	*
Arsenic	10	10	*	*	*	*
Barium	700	100	383	340	293	336
Cadmium	2	1	*	*	*	*
Chromium	10	10	*	*	*	*
Cobalt	1	10	44.3	41.8	28.6	33.3
Lead	15	10	*	*	*	*
Nickel	100	50	*	*	*	*
Selenium	20	10	*	*	*	*
Zinc	1000	10	*	10.9	*	14.2

NOTES:

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2. **NS - location not sampled**
3. **NL - constituent does not have a NC 2L Standard**
4. **Constituents that exceed the NC 2L Standard are highlighed in red**
5. **DRY - well was dry during sampling event**
6. **All constituents reported in parts per billion (ppb)**
7. **Only compounds detected above the laboratory PQL or SWSL are listed**
8. **N/A - Not Applicable**

HISTORICAL ANALYTICAL RESULTS

MW-7

OLD FRANKLIN LANDFILL: PERMIT NO: 57-01

FRANKLIN, NORTH CAROLINA

VOCs	NC 2L	SWSL	Jun-1994	Oct-1994	Mar-1995	Nov-1995	Apr-1996	Oct-1996	May-1997	Oct-1997	Apr-1998	Oct-1998	Apr-1999	Oct-1999	May-2000	Oct-2000	Apr-2001	Oct-2001	Apr-2002	Oct-2002	Apr-2003
1,4-Dichlorobenzene	1.4	1	N/A	N/A	N/A	N/A	N/A	N/A	*	*	*	4.3	2.8	2	4	2	*	1.9	*	*	*
cis-1,2-Dichloroethene	70	5	N/A	N/A	N/A	N/A	N/A	N/A	*	*	*	5.6	5.9	4.3	4.3	3.3	2.2	4	*	3	*
METALS	**NC 2L**	**SWSL**	**Jun-1994**	**Oct-1994**	**Mar-1995**	**Nov-1995**	**Apr-1996**	**Oct-1996**	**May-1997**	**Oct-1997**	**Apr-1998**	**Oct-1998**	**Apr-1999**	**Oct-1999**	**May-2000**	**Oct-2000**	**Apr-2001**	**Oct-2001**	**Apr-2002**	**Oct-2002**	**Apr-2003**
Antimony	NL	6	N/A	N/A	N/A	N/A	N/A	N/A	*	*	*	*	*	*	*	*	2.9	*	*	6.2	*
Arsenic	50	10	N/A	N/A	N/A	N/A	N/A	N/A	*	*	*	*	*	9	*	110	*	*	*	*	*
Barium	2000	100	N/A	N/A	N/A	N/A	N/A	N/A	6,402	2,961	2,710	1,100	1,630	10,200	1,180	25,000	1,900	12,000	2,800	1,900	380
Beryllium	NL	1	N/A	N/A	N/A	N/A	N/A	N/A	*	*	*	*	*	*	*	27	3	13	2.4	2	*
Cadmium	1.75	1	N/A	N/A	N/A	N/A	N/A	N/A	2	1	*	*	*	4	*	*	6.4	5.3	*	*	*
Chromium	50	10	N/A	N/A	N/A	N/A	N/A	N/A	*	5	69	10	68	333	23	820	89	530	90	93	7.7
Cobalt	NL	10	N/A	N/A	N/A	N/A	N/A	N/A	19	*	60	*	36	236	*	560	46	370	61	55	*
Copper	1000	10	N/A	N/A	N/A	N/A	N/A	N/A	79	23	133	17	108	750	46	1,600	200	1,100	190	200	16
Lead	15	10	N/A	N/A	N/A	N/A	N/A	N/A	9	*	6	4	*	*	14	14	*	92	14	19	*
Nickel	100	50	N/A	N/A	N/A	N/A	N/A	N/A	18	*	37	*	37	137	11	550	56	300	53	86	*
Selenuim	50	10	N/A	N/A	N/A	N/A	N/A	N/A	*	*	*	*	9	*	*	180	*	6.9	15	*	*
Silver	18	10	N/A	N/A	N/A	N/A	N/A	N/A	*	*	*	*	*	*	*	18	*	*	*	*	*
Vanadium	NL	20	N/A	N/A	N/A	N/A	N/A	N/A	*	*	108	22	110	311	40	630	200	510	150	160	11
Zinc	1050	10	N/A	N/A	N/A	N/A	N/A	N/A	112	35	213	34	170	1,050	63	2,200	340	1,800	270	240	22

NOTES:

1. *** - Constituent did not exceed laboratory Practical Quantitation (PQL) Limit or Solid Waste Section Limit (SWSL).**
2. **NS - location not sampled**
3. **NL - constituent does not have a NC 2L Standard**
4. **Constituents that exceed the NC 2L Standard are highlighed in red**
5. **DRY - well was dry during sampling event**
6. **All constituents reported in parts per billion (ppb)**
7. **Only compounds detected above the laboratory PQL or SWSL are listed**
8. **N/A - Not Applicable**

HISTORICAL ANALYTICAL RESULTS

MW-7

OLD FRANKLIN LANDFILL: PERMIT NO: 57-01

FRANKLIN, NORTH CAROLINA

VOCs	NC 2L	SWSL	Oct-2003	Oct-03 dup	Apr-2004	Dec-2004	Apr-2005	Oct-2005	Apr-2006	Oct-2006	Apr-2007	Oct-2007	Apr-2008	Oct-2008	Apr-2009	Oct-2009	NC 2L	SWSL	Apr-2010	Oct-2010	Apr-2011	Oct-2011
1,4-Dichlorobenzene	1.4	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	6	1	*	*	*	*
cis-1,2-Dichloroethene	70	5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	70	5	*	*	*	*
METALS	**NC 2L**	**SWSL**	**Oct-2003**	**Oct-03 dup**	**Apr-2004**	**Dec-2004**	**Apr-2005**	**Oct-2005**	**Apr-2006**	**Oct-2006**	**Apr-2007**	**Oct-2007**	**Apr-2008**	**Oct-2008**	**Apr-2009**	**Oct-2009**	**NC 2L**	**SWSL**	**Apr-2010**	**Oct-2010**	**Apr-2011**	**Oct-2011**
Antimony	NL	6	*	*	*	*	*	*	*	*	*	*	*	*	*	*	NL	6	*	*	*	*
Arsenic	50	10	*	7.1	*	*	*	*	*	*	*	*	*	*	*	*	10	10	*	*	*	*
Barium	2000	100	940	940	960	2,410	3,200	1,620	1,950	563	5,530	6,220	1,000	9,170	1,580	1070	700	100	1330	1870	1270	3880
Beryllium	NL	1	*	*	*	2.3	*	*	*	*	2.0	1.2	*	7.1	1.1	*	NL	1	*	1.2	*	*
Cadmium	1.75	1	*	*	2.7	*	*	*	*	*	*	*	*	2.0		*	2	1	*	*	*	*
Chromium	50	10	62	65	24	171	*	26.1	*	*	*	*	*	278	38.7	*	10	10	*	42.8	*	*
Cobalt	NL	10	23	24	18	61.1	49.9	15.9	20.7	*	54.0	14.7	*	219	28.6	14.9	NL	10	22.6	26.6	23.4	19.5
Copper	1000	10	120	130	55	281	*	*	*	*	65.3	27	13.8	524	82.3	22.2	1000	10	26.5	82.2	26.9	53.1
Lead	15	10	10	11	9.1	19.4	11.4	*	*	*	11.4	9.5	*	68.6	*	*	15	10	*	*	*	*
Nickel	100	50	43	46	11	78.6	*	*	*	*	*	*	*	114	*	*	100	50	*	*	*	*
Selenuim	50	10	*	*	*	*	*	*	*	*	*	*	*	16.3	*	*	20	10	*	*	*	*
Silver	18	10	*	*	*	*	*	*	*	*	*	*	*	*	*	*	20	10	*	*	*	*
Vanadium	NL	20	86	92	48	247	*	40.1	*	*	*	*	*	220	74.1	25.7	NL	25	*	56.4	*	27.1
Zinc	1050	10	130	150	71	327	55	98	*	*	113	59.3	25.1	879	141	43.2	1000	10	46.5	116	46.7	59.4

NOTES:

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4. **Constituents that exceed the NC 2L Standard are highlighed in red**
5. **DRY - well was dry during sampling event**
6. **All constituents reported in parts per billion (ppb)**
7. **Only compounds detected above the laboratory PQL or SWSL are listed**
8. **N/A - Not Applicable**

HISTORICAL ANALYTICAL RESULTS

OLD FRANKLIN LANDFILL: PERMIT NO: 57-01

FRANKLIN, NORTH CAROLINA

MW-7

VOCs	NC 2L	SWSL	Apr-2012	Oct-2012	Apr-2013	Oct-2013	Apr-2014
1,4-Dichlorobenzene	6	1	*	*	*	*	*
cis-1,2-Dichloroethene	70	5	*	*	*	*	*
METALS	**NC 2L**	**SWSL**	**Apr-2012**	**Oct-2012**	**Apr-2013**	**Oct-2013**	**Apr-2014**
Antimony	1	6	*	*	*	*	*
Arsenic	10	10	*	*	*	*	*
Barium	700	100	1150	3120	1040	1080	1070
Beryllium	4	1	*	*	*	*	*
Cadmium	2	1	*	*	*	*	*
Chromium	10	10	*	*	26.2	*	*
Cobalt	1	10	14.0	20.8	20.3	13.3	17.3
Copper	1000	10	22.7	51.3	58.9	24.6	24.6
Lead	15	10	*	*	*	*	*
Nickel	100	50	*	*	*	*	*
Selenuim	20	10	*	*	*	*	*
Silver	20	10	*	*	*	*	*
Vanadium	0.3	25	*	*	39.3	*	*
Zinc	1000	10	39.6	68.8	95.2	41.9	31.5

NOTES:

1. *** - Constituent did not exceed laboratory Practical Quantitation (PQL) Limit or Solid Waste Section Limit (SWSL).**
2. **NS - location not sampled**
3. **NL - constituent does not have a NC 2L Standard**
4. **Constituents that exceed the NC 2L Standard are highlighed in red**
5. **DRY - well was dry during sampling event**
6. **All constituents reported in parts per billion (ppb)**
7. **Only compounds detected above the laboratory PQL or SWSL are listed**
8. **N/A - Not Applicable**

HISTORICAL ANALYTICAL RESULTS

MW-7A

OLD FRANKLIN LANDFILL: PERMIT NO: 57-01

FRANKLIN, NORTH CAROLINA

VOCs	NC 2L	SWSL	Apr-2003	Oct-2003	Apr-2004	Dec-2004	Apr-2005	Oct-2005	Apr-2006	Oct-2006	Apr-2007	Oct-2007	Apr-2008	Oct-2008	Apr-2009	Oct-2009	NC 2L	SWSL	Apr-2010	Oct-2010	Apr-2011	Oct-2011
1,4-Dichlorobenzene	1.4	1	*	NS	NS	NS	6.7	NS	NS	NS	8.1	NS	NS	NS	8.4	NS	6	1	NS	NS	8.4	NS
Benzene	1	1	*	NS	NS	NS	*	NS	NS	NS	1.3	NS	NS	NS	1.5	NS	1	1	NS	NS	*	NS
Chlorobenzene	50	3	*	NS	NS	NS	*	NS	NS	NS	10.9	NS	NS	NS	18.2	NS	50	3	NS	NS	8.0	NS
cis-1,2-Dichloroethene	70	5	6.6	NS	NS	NS	5.2	NS	NS	NS	8.3	NS	NS	NS	9.5	NS	70	5	NS	NS	*	NS
METALS	**NC 2L**	**SWSL**	**Apr-2003**	**Oct-2003**	**Apr-2004**	**Dec-2004**	**Apr-2005**	**Oct-2005**	**Apr-2006**	**Oct-2006**	**Apr-2007**	**Oct-2007**	**Apr-2008**	**Oct-2008**	**Apr-2009**	**Oct-2009**	**NC 2L**	**SWSL**	**Apr-2010**	**Oct-2010**	**Apr-2011**	**Oct-2011**
Antimony	NL	6	34	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	*	NS	NL	6	NS	NS	*	NS
Barium	2000	100	480	NS	NS	NS	*	NS	NS	NS	540	NS	NS	NS	573	NS	700	100	NS	NS	507	NS
Cadmium	1.75	1	4.1	NS	NS	NS	1.2	NS	NS	NS	1.5	NS	NS	NS	1.6	NS	2	1	NS	NS	1.5	NS
Chromium	50	10	12	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	*	NS	10	10	NS	NS	*	NS
Cobalt	NL	10	15	NS	NS	NS	*	NS	NS	NS	11.9	NS	NS	NS	11.9	NS	NL	10	NS	NS	10.4	NS
Copper	1000	10	19	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	*	NS	1000	10	NS	NS	*	NS
Lead	15	10	5	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	*	NS	15	10	NS	NS	*	NS
Nickel	100	50	12	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	*	NS	100	50	NS	NS	*	NS
Selenium	50	10	7.4	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	*	NS	20	10	NS	NS	*	NS
Vanadium	NL	20	18	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	*	NS	NL	25	NS	NS	*	NS
Zinc	1050	10	54	NS	NS	NS	*	NS	NS	NS	20.2	NS	NS	NS	10.9	NS	1000	10	NS	NS	11.0	NS

NOTES:

1. *** - Constituent did not exceed laboratory Practical Quantitation (PQL) Limit or Solid Waste Section Limit (SWSL).**
2. **NS - location not sampled**
3. **NL - constituent does not have a NC 2L Standard**
4. **Constituents that exceed the NC 2L Standard are highlighed in red**
5. **DRY - well was dry during sampling event**
6. **All constituents reported in parts per billion (ppb)**
7. **Only compounds detected above the laboratory PQL or SWSL are listed**
8. **N/A - Not Applicable**

HISTORICAL ANALYTICAL RESULTS

OLD FRANKLIN LANDFILL: PERMIT NO: 57-01

FRANKLIN, NORTH CAROLINA

MW-7A

VOCs	NC 2L	SWSL	Apr-2012	Oct-2012	Apr-2013	Oct-2013	Apr-2014
1,4-Dichlorobenzene	6	1	NS	NS	5.9	NS	NS
Benzene	1	1	NS	NS	*	NS	NS
Chlorobenzene	50	3	NS	NS	7.7	NS	NS
cis-1,2-Dichloroethene	70	5	NS	NS	*	NS	NS
METALS	**NC 2L**	**SWSL**	**Apr-2012**	**Oct-2012**	**Apr-2013**	**Oct-2013**	**Apr-2014**
Antimony	1	6	NS	NS	*	NS	NS
Barium	700	100	NS	NS	482	NS	NS
Cadmium	2	1	NS	NS	*	NS	NS
Chromium	10	10	NS	NS	1.4	NS	NS
Cobalt	1	10	NS	NS	10.7	NS	NS
Copper	1000	10	NS	NS	*	NS	NS
Lead	15	10	NS	NS	*	NS	NS
Nickel	100	50	NS	NS	*	NS	NS
Selenium	20	10	NS	NS	*	NS	NS
Vanadium	0.3	25	NS	NS	*	NS	NS
Zinc	1000	10	NS	NS	10.1	NS	NS

NOTES:

1. *** - Constituent did not exceed laboratory Practical Quantitation (PQL) Limit or Solid Waste Section Limit (SWSL).**
2. **NS - location not sampled**
3. **NL - constituent does not have a NC 2L Standard**
4. **Constituents that exceed the NC 2L Standard are highlighed in red**
5. **DRY - well was dry during sampling event**
6. **All constituents reported in parts per billion (ppb)**
7. **Only compounds detected above the laboratory PQL or SWSL are listed**
8. **N/A - Not Applicable**

HISTORICAL ANALYTICAL RESULTS

MW-7C

OLD FRANKLIN LANDFILL: PERMIT NO: 57-01

FRANKLIN, NORTH CAROLINA

VOCs	NC 2L	SWSL	Jun-1994	Oct-1994	Mar-1995	Nov-1995	Apr-1996	Oct-1996	May-1997	Oct-1997	Apr-1998	Oct-1998	Apr-1999	Oct-1999	May-2000	Oct-2000	Apr-2001	Oct-2001	Apr-2002	Oct-2002	Apr-2003
1,2-Dichlorobenzene	24	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*	*	*	*	*	*	*	*
1,4-Dichlorobenzene	1.4	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5.7	5.5	4.1	5.1	4.6	4.7	4.5	*
Benzene	1	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*	*	*	*	*	*	*	*
Carbon Disulfide	700	100	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	90.2	7.1	*	*	*	*	*	*
Chlorobenzene	50	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*	*	*	*	*	*	*	*
cis-1,2-Dichloroethene	70	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	8.1	5.6	6.4	6.1	6.5	4.8	5.4	8.2
METALS	**NC 2L**	**SWSL**	**Jun-1994**	**Oct-1994**	**Mar-1995**	**Nov-1995**	**Apr-1996**	**Oct-1996**	**May-1997**	**Oct-1997**	**Apr-1998**	**Oct-1998**	**Apr-1999**	**Oct-1999**	**May-2000**	**Oct-2000**	**Apr-2001**	**Oct-2001**	**Apr-2002**	**Oct-2002**	**Apr-2003**
Antimony	NL	6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*	*	*	*	*	*	*	6.7
Arsenic	50	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*	*	8.1	7	*	*	*	*
Barium	2000	100	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	416	428	400	140	410	410	410	400
Cadmium	1.75	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*	*	*	*	*	*	*	*
Chromium	50	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*	*	2.6	*	*	*	74	*
Cobalt	NL	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*	*	12	*	13	13	13	14
Lead	15	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*	4	4	*	*	*	*	*
Nickel	100	50	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*	*	16	*	*	*	58	*
Selenium	50	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*	*	26	*	*	13	*	7.4
Silver	18	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*	*	10	*	*	*	*	*
Zinc	1050	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	28	*	40	*	15	22	27	*

NOTES:

1. *** - Constituent did not exceed laboratory Practical Quantitation (PQL) Limit or Solid Waste Section Limit (SWSL).**
2. **NS - location not sampled**
3. **NL - constituent does not have a NC 2L Standard**
4. **Constituents that exceed the NC 2L Standard are highlighed in red**
5. **DRY - well was dry during sampling event**
6. **All constituents reported in parts per billion (ppb)**
7. **Only compounds detected above the laboratory PQL or SWSL are listed**
8. **N/A - Not Applicable**

HISTORICAL ANALYTICAL RESULTS

MW-7C

OLD FRANKLIN LANDFILL: PERMIT NO: 57-01

FRANKLIN, NORTH CAROLINA

VOCs	NC 2L	SWSL	Oct-2003	Apr-2004	Dec-2004	Apr-2005	Oct-2005	Apr-2006	Oct-2006	Apr-2007	Oct-2007	Apr-2008	Oct-2008	Apr-2009	Oct-2009	NC 2L	SWSL	Apr-2010	Oct-2010	Apr-2011	Oct-2011	Apr-2012
1,2-Dichlorobenzene	24	5	*	*	*	*	*	*	*	*	*	*	2.4	*	*	20	5	*	*	*	*	*
1,4-Dichlorobenzene	1.4	1	*	6.7	8.1	*	7.3	8.1	7.5	7.8	8.2	8.1	7.2	8.2	8.1	6	1	6.7	7.6	8.0	8.5	8.6
Benzene	1	1	*	*	1.2	1.3	1.0	1.2	1.7	1.4	1.3	1.2	1.2	1.4	1.1	1	1	*	1.3	*	1.7	1.3
Carbon Disulfide	700	100	*	*	*	*	*	*	*	*	*	*	*	*	*	700	100	*	*	*	*	*
Chlorobenzene	50	3	*	*	*	*	*	*	5.7	7.1	9.5	9.5	10.1	12.3	10.1	50	3	5.3	8.7	7.5	11.9	13.7
cis-1,2-Dichloroethene	70	5	7.1	6.6	5.4	6.6	5.2	6	7.8	7.1	6.5	6.8	6.2	7.3	5.4	70	5	*	*	*	5.5	*
METALS	**NC 2L**	**SWSL**	**Oct-2003**	**Apr-2004**	**Dec-2004**	**Apr-2005**	**Oct-2005**	**Apr-2006**	**Oct-2006**	**Apr-2007**	**Oct-2007**	**Apr-2008**	**Oct-2008**	**Apr-2009**	**Oct-2009**	**NC 2L**	**SWSL**	**Apr-2010**	**Oct-2010**	**Apr-2011**	**Oct-2011**	**Apr-2012**
Antimony	NL	6	*	*	*	*	*	*	*	*	*	*	*	*	*	NL	6	*	*	*	*	*
Arsenic	50	10	*	*	*	*	*	*	*	*	*	*	*	*	*	10	10	*	*	*	*	*
Barium	2000	100	460	460	*	511	573		*	438	422	435	478	468	449	700	100	480	516	524	541	542
Cadmium	1.75	1	*	1.4	*	*	*	*	*	*	*	*	*	*	*	2	1	*	*	*	*	*
Chromium	50	10	*	*	*	*	*	*	*	*	*	*	*	*	*	10	10	*	*	*	*	*
Cobalt	NL	10	15	16	10.6	13.3	13.8	14.9	*	13.4	11.5	11.5	16.7	13.9	13.7	NL	10	15.9	15.7	15.9	16.6	14.4
Lead	15	10	*	*	*	*	*	*	*	*	*	*	*	*	*	15	10	*	*	*	*	*
Nickel	100	50	5.9	*	*	*	*	*	*	*	*	*	*	*	*	100	50	*	*	*	*	*
Selenium	50	10	8.4	6.3	*	*	*	*	*	*	*	*	*	*	*	20	10	*	*	*	*	*
Silver	18	10	*	*	*	*	*	*	*	*	*	*	*	*	*	20	10	*	*	*	*	*
Zinc	1050	10	13	*	131	*	*	*	*	*	62.4	14.0	13.2	*	*	1000	10	*	*	*	12.4	11.6

NOTES:

1. *** - Constituent did not exceed laboratory Practical Quantitation (PQL) Limit or Solid Waste Section Limit (SWSL).**
2. **NS - location not sampled**
3. **NL - constituent does not have a NC 2L Standard**
4. **Constituents that exceed the NC 2L Standard are highlighed in red**
5. **DRY - well was dry during sampling event**
6. **All constituents reported in parts per billion (ppb)**
7. **Only compounds detected above the laboratory PQL or SWSL are listed**
8. **N/A - Not Applicable**

HISTORICAL ANALYTICAL RESULTS

OLD FRANKLIN LANDFILL: PERMIT NO: 57-01

FRANKLIN, NORTH CAROLINA

MW-7C

VOCs	NC 2L	SWSL	Oct-2012	Apr-2013	Oct-2013	Apr-2014
1,2-Dichlorobenzene	20	5	*	*	*	*
1,4-Dichlorobenzene	6	1	8.9	6.3	6.4	5.2
Benzene	1	1	1.0	1.1	1.3	1.1
Carbon Disulfide	700	100	*	*	*	*
Chlorobenzene	50	3	19.8	9.5	9.4	8.0
cis-1,2-Dichloroethene	70	5	5.1	*	*	*
METALS	**NC 2L**	**SWSL**	**Oct-2012**	**Apr-2013**	**Oct-2013**	**Apr-2014**
Antimony	NL	6	*	*	*	*
Arsenic	10	10	*	*	*	*
Barium	700	100	561	450	528	601
Cadmium	2	1	1.8	*	*	*
Chromium	10	10	*	*	*	*
Cobalt	NL	10	19.0	13.9	15.7	18.3
Lead	15	10	*	*	*	*
Nickel	100	50	*	*	*	*
Selenium	20	10	*	*	*	*
Silver	20	10	*	*	*	*
Zinc	1000	10	*	18.8	*	17.3

NOTES:

1. *** - Constituent did not exceed laboratory Practical Quantitation (PQL) Limit or Solid Waste Section Limit (SWSL).**
2. **NS - location not sampled**
3. **NL - constituent does not have a NC 2L Standard**
4. **Constituents that exceed the NC 2L Standard are highlighed in red**
5. **DRY - well was dry during sampling event**
6. **All constituents reported in parts per billion (ppb)**
7. **Only compounds detected above the laboratory PQL or SWSL are listed**
8. **N/A - Not Applicable**

HISTORICAL ANALYTICAL RESULTS

MW-8

OLD FRANKLIN LANDFILL: PERMIT NO: 57-01

FRANKLIN, NORTH CAROLINA

METALS	NC 2L	SWSL	Apr-2003	Oct-2003	Apr-2004	Dec-2004	Apr-2005	Oct-2005	Apr-2006	Oct-2006	Apr-2007	Oct-2007	Apr-2008	Oct-2008	Apr-2009	Oct-2009	NC 2L	SWSL	Apr-2010	Oct-2010	Apr-2011	Oct-2011
Arsenic	50	10	140	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	11.8	NS	10	10	NS	NS	*	NS
Barium	2000	100	6,100	NS	NS	NS	*	NS	NS	NS	224	NS	NS	NS	1160	NS	700	100	NS	NS	213	NS
Chromium	50	10	1,000	NS	NS	NS	11.3	NS	NS	NS	13.3	NS	NS	NS	154	NS	10	10	NS	NS	24.8	NS
Cobalt	NL	10	380	NS	NS	NS	10.6	NS	NS	NS	16.3	NS	NS	NS	77.9	NS	NL	10	NS	NS	14.2	NS
Copper	1000	10	2,400	NS	NS	NS	*	NS	NS	NS	30.3	NS	NS	NS	128	NS	1000	10	NS	NS	31.2	NS
Lead	15	10	150	NS	NS	NS	*	NS	NS	NS	13.0	NS	NS	NS	33.4	NS	15	10	NS	NS	*	NS
Nickel	100	50	690	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	139	NS	100	50	NS	NS	*	NS
Selenium	50	10	62	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	*	NS	20	10	NS	NS	*	NS
Vanadium	NL	20	1,300	NS	NS	NS	*	NS	NS	NS	31.7	NS	NS	NS	224	NS	NL	25	NS	NS	35.3	NS
Zinc	1050	10	2,000	NS	NS	NS	*	NS	NS	NS	60.0	NS	NS	NS	285	NS	1000	10	NS	NS	53.1	NS

NOTES:

1. *** - Constituent did not exceed laboratory Practical Quantitation (PQL) Limit or Solid Waste Section Limit (SWSL).**
2. **NS - location not sampled**
3. **NL - constituent does not have a NC 2L Standard**
4. **Constituents that exceed the NC 2L Standard are highlighed in red**
5. **DRY - well was dry during sampling event**
6. **All constituents reported in parts per billion (ppb)**
7. **Only compounds detected above the laboratory PQL or SWSL are listed**
8. **N/A - Not Applicable**

HISTORICAL ANALYTICAL RESULTS

OLD FRANKLIN LANDFILL: PERMIT NO: 57-01

FRANKLIN, NORTH CAROLINA

MW-8

METALS	NC 2L	SWSL	Apr-2012	Oct-2012	Apr-2013	Oct-2013	Apr-2014
Arsenic	10	10	NS	NS	*	NS	NS
Barium	700	100	NS	NS	112	NS	NS
Chromium	10	10	NS	NS	14.0	NS	NS
Cobalt	1	10	NS	NS	*	NS	NS
Copper	1000	10	NS	NS	18.7	NS	NS
Lead	15	10	NS	NS	*	NS	NS
Nickel	100	50	NS	NS	*	NS	NS
Selenium	20	10	NS	NS	*	NS	NS
Vanadium	0.3	25	NS	NS	*	NS	NS
Zinc	1000	10	NS	NS	31.2	NS	NS

NOTES:

1. *** - Constituent did not exceed laboratory Practical Quantitation (PQL) Limit or Solid Waste Section Limit (SWSL).**
2. **NS - location not sampled**
3. **NL - constituent does not have a NC 2L Standard**
4. **Constituents that exceed the NC 2L Standard are highlighed in red**
5. **DRY - well was dry during sampling event**
6. **All constituents reported in parts per billion (ppb)**
7. **Only compounds detected above the laboratory PQL or SWSL are listed**
8. **N/A - Not Applicable**

HISTORICAL ANALYTICAL RESULTS

MW-9

OLD FRANKLIN LANDFILL: PERMIT NO: 57-01

FRANKLIN, NORTH CAROLINA

VOCs	NC 2L	SWSL	Apr-2003	Oct-2003	Apr-2004	Dec-2004	Apr-2005	Oct-2005	Apr-2006	Oct-2006	Apr-2007	Oct-2007	Apr-2008	Oct-2008	Apr-2009	Oct-2009	NC 2L	SWSL	Apr-2010	Oct-2010	Apr-2011	Oct-2011
1,4-Dichlorobenzene	1.4	1	*	NS	NS	NS	*	NS	NS	NS	1.9	NS	NS	NS	2.5	NS	6	1	NS	NS	3.6	NS
Benzene	1	1	*	NS	NS	NS	2.3	NS	NS	NS	2.2	NS	NS	NS	3.0	NS	1	1	NS	NS	2.7	NS
Chlorobenzene	50	3	*	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	*	NS	50	3	NS	NS	3.9	NS
cis-1,2-Dichloroethene	70	5	5.3	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	5.4	NS	70	5	NS	NS	6.5	NS
METALS	**NC 2L**	**SWSL**	**Apr-2003**	**Oct-2003**	**Apr-2004**	**Dec-2004**	**Apr-2005**	**Oct-2005**	**Apr-2006**	**Oct-2006**	**Apr-2007**	**Oct-2007**	**Apr-2008**	**Oct-2008**	**Apr-2009**	**Oct-2009**	**NC 2L**	**SWSL**	**Apr-2010**	**Oct-2010**	**Apr-2011**	**Oct-2011**
Barium	2000	100	53	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	*	NS	700	100	NS	NS	*	NS
Zinc	1050	10	*	NS	NS	NS	*	NS	NS	NS	*	NS	NS	NS	*	NS	1000	10	NS	NS	*	NS

NOTES:

1. *** - Constituent did not exceed laboratory Practical Quantitation (PQL) Limit or Solid Waste Section Limit (SWSL).**
2. **NS - location not sampled**
3. **NL - constituent does not have a NC 2L Standard**
4. **Constituents that exceed the NC 2L Standard are highlighed in red**
5. **DRY - well was dry during sampling event**
6. **All constituents reported in parts per billion (ppb)**
7. **Only compounds detected above the laboratory PQL or SWSL are listed**
8. **N/A - Not Applicable**

HISTORICAL ANALYTICAL RESULTS

OLD FRANKLIN LANDFILL: PERMIT NO: 57-01

FRANKLIN, NORTH CAROLINA

MW-9

VOCs	NC 2L	SWSL	Apr-2012	Oct-2012	Apr-2013	Oct-2013	Apr-2014
1,4-Dichlorobenzene	6	1	NS	NS	3.0	NS	NS
Benzene	1	1	NS	NS	3.4	NS	NS
Chlorobenzene	50	3	NS	NS	7.4	NS	NS
cis-1,2-Dichloroethene	70	5	NS	NS	8.1	NS	NS
METALS	**NC 2L**	**SWSL**	**Apr-2012**	**Oct-2012**	**Apr-2013**	**Oct-2013**	**Apr-2014**
Barium	700	100	NS	NS	*	NS	NS
Zinc	1000	10	NS	NS	17.0	NS	NS

NOTES:

1. *** - Constituent did not exceed laboratory Practical Quantitation (PQL) Limit or Solid Waste Section Limit (SWSL).**
2. **NS - location not sampled**
3. **NL - constituent does not have a NC 2L Standard**
4. **Constituents that exceed the NC 2L Standard are highlighed in red**
5. **DRY - well was dry during sampling event**
6. **All constituents reported in parts per billion (ppb)**
7. **Only compounds detected above the laboratory PQL or SWSL are listed**
8. **N/A - Not Applicable**

HISTORICAL ANALYTICAL RESULTS

MW-10

OLD FRANKLIN LANDFILL: PERMIT NO: 57-01

FRANKLIN, NORTH CAROLINA

VOCs	NC 2L	SWSL	Jun-1994	Oct-1994	Mar-1995	Nov-1995	Apr-1996	Oct-1996	May-1997	Oct-1997	Apr-1998	Oct-1998	Apr-1999	Oct-1999	May-2000	Oct-2000	Apr-2001	Oct-2001	Apr-2002	Oct-2002	Apr-2003
1,4-Dichlorobenzene	1.4	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	5.1	5	3.6	3.6	1.6	2.7	2.6	*
Benzene	1	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*	*	*	1.3	*	1.3	2.9	*
Carbon Disulfide	700	100	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	137	51.4	78	*	*	*	2.4	*
Chlorobenzene	50	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*	*	*	*	*	*	*	*
Chloroethane	2800	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*	*	*	1.3	*	*	*	*
cis-1,2-Dichloroethene	70	5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7.8	9.3	8.5	7.8	3.3	4.9	6.2	8
METALS	**NC 2L**	**SWSL**	**Jun-1994**	**Oct-1994**	**Mar-1995**	**Nov-1995**	**Apr-1996**	**Oct-1996**	**May-1997**	**Oct-1997**	**Apr-1998**	**Oct-1998**	**Apr-1999**	**Oct-1999**	**May-2000**	**Oct-2000**	**Apr-2001**	**Oct-2001**	**Apr-2002**	**Oct-2002**	**Apr-2003**
Arsenic	50	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*	*	12	5.3	*	*	*	*
Barium	2000	100	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	91	105	110	77	120	120	120	95
Cadmium	1.75	1	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*	*	*	*	*	*	*	*
Chromium	50	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*	*	7.5	*	*	*	*	*
Cobalt	NL	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*	*	*	*	*	*	*	*
Copper	1000	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*	*	*	*	*	*	*	*
Lead	15	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*	*	*	*	*	*	*	*
Nickel	100	50	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*	*	15	*	*	*	*	*
Selenium	50	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*	*	22	*	*	11	*	*
Vanadium	NL	20	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	*	*	*	*	*	*	*	*
Zinc	1050	10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	28	20	45	*	*	20	37	*

NOTES:

1. *** - Constituent did not exceed laboratory Practical Quantitation (PQL) Limit or Solid Waste Section Limit (SWSL).**
2. **NS - location not sampled**
3. **NL - constituent does not have a NC 2L Standard**
4. **Constituents that exceed the NC 2L Standard are highlighed in red**
5. **DRY - well was dry during sampling event**
6. **All constituents reported in parts per billion (ppb)**
7. **Only compounds detected above the laboratory PQL or SWSL are listed**
8. **N/A - Not Applicable**

HISTORICAL ANALYTICAL RESULTS

MW-10

OLD FRANKLIN LANDFILL: PERMIT NO: 57-01

FRANKLIN, NORTH CAROLINA

VOCs	NC 2L	SWSL	Dec-2004	Apr-2005	Oct-2005	Apr-2006	Oct-2006	Apr-2007	Oct-2007	Apr-2008	Oct-2008	Apr-2009	Oct-2009	NC 2L	SWSL	Apr-2010	Oct-2010	Apr-2011	Oct-2011	Apr-2012	Oct-2012	Apr-2013
1,4-Dichlorobenzene	1.4	1	5.3	5	*	5.1	*	5.0	4.9	4.9	4.0	4.8	4.5	6	1	4	4.2	4.7	4.4	4.4	4.1	3.6
Benzene	1	1	1.1	1.2	1.1	1.0	1.3	1.3	*	1.1	*	*	*	1	1	*	*	1.0	1.4	*	*	1.3
Carbon Disulfide	700	100	*	*	*	*	*	*	*	*	*	*	*	700	100	*	*	*	*	*	*	*
Chlorobenzene	50	3	*	*	*	*	*	*	*	*	2.3	3.1	*	50	3	*	*	*	*	3.2	3.3	3.9
Chloroethane	2800	10	*	*	*	*	*	*	*	*	*	*	*	3000	10	*	*	*	*	*	*	*
cis-1,2-Dichloroethene	70	5	5.3	6.3	6.0	5.7	5.2	5.5	*	*	3.1	*	*	70	5	*	*	*	*	*	*	*
METALS	**NC 2L**	**SWSL**	**Dec-2004**	**Apr-2005**	**Oct-2005**	**Apr-2006**	**Oct-2006**	**Apr-2007**	**Oct-2007**	**Apr-2008**	**Oct-2008**	**Apr-2009**	**Oct-2009**	**NC 2L**	**SWSL**	**Apr-2010**	**Oct-2010**	**Apr-2011**	**Oct-2011**	**Apr-2012**	**Oct-2012**	**Apr-2013**
Arsenic	50	10	*	*	*	*	*	*	*	*	*	*	*	10	10	*	*	*	*	*	*	*
Barium	2000	100	*	*	*	*	*	111	115	119	125	124	113	700	100	106	107	108	110	104	109	106
Cadmium	1.75	1	*	*	*	*	*	*	*	*	*	*	*	2	1	*	*	*	*	*	*	*
Chromium	50	10	*	*	*	*	*	*	*	*	*	*	*	10	10	*	*	*	*	*	*	*
Cobalt	NL	10	*	*	*	*	*	*	*	*	*	*	*	1	10	*	*	*	*	*	*	*
Copper	1000	10	*	*	*	*	*	*	*	*	*	*	*	1000	10	*	*	*	*	*	*	*
Lead	15	10	*	*	*	*	*	*	*	*	*	*	*	15	10	*	*	*	*	*	*	*
Nickel	100	50	*	*	*	*	*	*	*	*	*	*	*	100	50	*	*	*	*	*	*	*
Selenium	50	10	*	*	*	*	*	*	*	*	*	*	*	20	10	*	*	*	*	*	*	*
Vanadium	NL	20	*	*	*	*	*	*	*	*	*	*	*	0.3	25	*	*	*	*	*	*	*
Zinc	1050	10	*	*	*	*	*	26.8	*	*	11.9	*	*	1000	10	*	*	11.0	17.4	*	18.4	18.0

NOTES:

1. *** - Constituent did not exceed laboratory Practical Quantitation (PQL) Limit or Solid Waste Section Limit (SWSL).**
2. **NS - location not sampled**
3. **NL - constituent does not have a NC 2L Standard**
4. **Constituents that exceed the NC 2L Standard are highlighed in red**
5. **DRY - well was dry during sampling event**
6. **All constituents reported in parts per billion (ppb)**
7. **Only compounds detected above the laboratory PQL or SWSL are listed**
8. **N/A - Not Applicable**

HISTORICAL ANALYTICAL RESULTS

OLD FRANKLIN LANDFILL: PERMIT NO: 57-01

FRANKLIN, NORTH CAROLINA

MW-10

VOCs	NC 2L	SWSL	Oct-2013	Apr-2014
1,4-Dichlorobenzene	6	1	3.6	3.9
Benzene	1	1	1.0	*
Carbon Disulfide	700	100	*	*
Chlorobenzene	50	3	3.3	3.5
Chloroethane	3000	10	*	*
cis-1,2-Dichloroethene	70	5	*	*
METALS	**NC 2L**	**SWSL**	**Oct-2013**	**Apr-2014**
Arsenic	10	10	*	*
Barium	700	100	*	102
Cadmium	2	1	*	*
Chromium	10	10	*	*
Cobalt	1	10	*	*
Copper	1000	10	*	*
Lead	15	10	*	*
Nickel	100	50	*	*
Selenium	20	10	*	*
Vanadium	0.3	25	*	*
Zinc	1000	10	*	10.8

NOTES:

1. *** - Constituent did not exceed laboratory Practical Quantitation (PQL) Limit or Solid Waste Section Limit (SWSL).**
2. **NS - location not sampled**
3. **NL - constituent does not have a NC 2L Standard**
4. **Constituents that exceed the NC 2L Standard are highlighed in red**
5. **DRY - well was dry during sampling event**
6. **All constituents reported in parts per billion (ppb)**
7. **Only compounds detected above the laboratory PQL or SWSL are listed**
8. **N/A - Not Applicable**

HISTORICAL ANALYTICAL RESULTS

Haire

OLD FRANKLIN LANDFILL: PERMIT NO: 57-01

FRANKLIN, NORTH CAROLINA

VOCs	NC 2L	SWSL	Jun-1994	Oct-1994	Mar-1995	Nov-1995	Apr-1996	Oct-1996	Oct-1997	Apr-1998	Oct-1998	Apr-1999	Jun-1999	Oct-1999	May-2000	Oct-2000	Apr-2001	Oct-2001	Apr-2002	Oct-2002	Apr-2003	Oct-2003
Chloroform	70	5	*	0.4	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
METALS	**NC 2L**	**SWSL**	**Jun-1994**	**Oct-1994**	**Mar-1995**	**Nov-1995**	**Apr-1996**	**Oct-1996**	**Oct-1997**	**Apr-1998**	**Oct-1998**	**Apr-1999**	**Jun-1999**	**Oct-1999**	**May-2000**	**Oct-2000**	**Apr-2001**	**Oct-2001**	**Apr-2002**	**Oct-2002**	**Apr-2003**	**Oct-2003**
Barium	2,000	100	*	221	*	*	*	107	*	*	37	40	45	60	60	58	53	55	54	60	56	41
Copper	1,000	10	*	32	*	*	*	24	*	*	32	31	24	40	51	59	20	25	42	29	15	19
Lead	15	10	*	*	*	*	*	*	5	*	*	*	*	*	4	5.5	*	*	*	*	*	*
Silver	17.5	10	*	*	*	*	*	*	1	*	*	*	*	*	*	*	*	*	*	*	*	*
Thallium	NL	5	*	*	*	*	*	*	14	*	*	*	*	*	*	*	*	*	*	*	*	*
Zinc	1,050	10	*	*	*	*	*	40	*	*	52	*	*	32	36	32	25	24	44	38	*	22

NOTES:

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2. **NS - location not sampled**
3. **NL - constituent does not have a NC 2L Standard**
4. **Constituents that exceed the NC 2L Standard are highlighed in red**
5. **DRY - well was dry during sampling event**
6. **All constituents reported in parts per billion (ppb)**
7. **Only compounds detected above the laboratory PQL or SWSL are listed**
8. **N/A - Not Applicable**

HISTORICAL ANALYTICAL RESULTS

Haire

OLD FRANKLIN LANDFILL: PERMIT NO: 57-01

FRANKLIN, NORTH CAROLINA

VOCs	NC 2L	SWSL	Apr-2004	Dec-2004	Apr-2005	Oct-2005	Apr-2006	Oct-2006	Apr-2007	Oct-2007	Apr-2008	Oct-2008	Apr-2009	Oct-2009	NC 2L	SWSL	Apr-2010	Oct-2010	Apr-2011	Oct-2011	Apr-2012	Oct-2012	Apr-2013
Chloroform	70	5	*	*	*	*	*	*	*	*	*	*	*	*	70	5	*	*	*	*	*	*	*
METALS	**NC 2L**	**SWSL**	**Apr-2004**	**Dec-2004**	**Apr-2005**	**Oct-2005**	**Apr-2006**	**Oct-2006**	**Apr-2007**	**Oct-2007**	**Apr-2008**	**Oct-2008**	**Apr-2009**	**Oct-2009**	**NC 2L**	**SWSL**	**Apr-2010**	**Oct-2010**	**Apr-2011**	**Oct-2011**	**Apr-2012**	**Oct-2012**	**Apr-2013**
Barium	2,000	100	50	*	*	*	*	*	*	*	*	*	*	*	700	100	*	*	*	*	*	*	*
Copper	1,000	10	26	*	*	*	*	*	49.2	25.0	34.3	63.9	49.2	36.8	1000	10	112	107	139	139	219	462	25.3
Lead	15	10	*	*	*	*	*	*	*	*	*	*	*	*	15	10	*	*	*	*	*	*	*
Silver	17.5	10	*	*	*	*	*	*	*	*	*	*	*	*	20	10	*	*	*	*	*	*	*
Thallium	NL	5	*	*	*	*	*	*	*	*	*	*	*	*	0.2	5.5	*	*	*	*	*	*	*
Zinc	1,050	10	*	*	*	*	*	67.7	30.5	11.5	25.4	35.6	46.2	39.9	1000	10	45.8	31.9	36.8	33.1	83.5	157	61.0

NOTES:

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2. **NS - location not sampled**
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4. **Constituents that exceed the NC 2L Standard are highlighed in red**
5. **DRY - well was dry during sampling event**
6. **All constituents reported in parts per billion (ppb)**
7. **Only compounds detected above the laboratory PQL or SWSL are listed**
8. **N/A - Not Applicable**

HISTORICAL ANALYTICAL RESULTS

OLD FRANKLIN LANDFILL: PERMIT NO: 57-01

FRANKLIN, NORTH CAROLINA

Haire

VOCs	NC 2L	SWSL	Oct-2013	Apr-2014
Chloroform	70	5	*	*
METALS	**NC 2L**	**SWSL**	**Oct-2013**	**Apr-2014**
Barium	700	100	*	*
Copper	1000	10	67.8	34.8
Lead	15	10	*	*
Silver	20	10	*	*
Thallium	0.2	5.5	*	*
Zinc	1000	10	82.0	36.3

NOTES:

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2. **NS - location not sampled**
3. **NL - constituent does not have a NC 2L Standard**
4. **Constituents that exceed the NC 2L Standard are highlighed in red**
5. **DRY - well was dry during sampling event**
6. **All constituents reported in parts per billion (ppb)**
7. **Only compounds detected above the laboratory PQL or SWSL are listed**
8. **N/A - Not Applicable**

HISTORICAL ANALYTICAL RESULTS

Dowdle

OLD FRANKLIN LANDFILL: PERMIT NO: 57-01

FRANKLIN, NORTH CAROLINA

VOCs	NC 2L	SWSL	Jun-1994	Oct-1994	Mar-1995	Nov-1995	Apr-1996	Oct-1996	Oct-1997	Apr-1998	Oct-1998	Apr-1999	Jun-1999	Oct-1999	May-2000	Oct-2000	Apr-2001	Oct-2001	Apr-2002	Oct-2002
1,2-Dibromo-3-chloropropane (DBCP)	0.025	1	NS	NS	NS	NS	NS	NS	*	*	*	0.12	*	*	*	*	*	*	*	*
1,4-Dichlorobenzene	1.4	1	NS	NS	NS	NS	NS	NS	*	*	*	*	*	*	*	*	*	*	*	*
Bromodichloromethane	0.56	1	NS	NS	NS	NS	NS	NS	*	*	*	3.7	*	35	*	*	*	*	*	*
Chloroform	70	5	NS	NS	NS	NS	NS	NS	53	*	*	23.2	*	42.6	*	*	*	*	*	1.1
cis-1,2-Dichloroethene	70	5	NS	NS	NS	NS	NS	NS	*	*	29	*	*	*	*	*	*	1.8	1.8	1.5
METALS	**NC 2L**	**SWSL**	**Jun-1994**	**Oct-1994**	**Mar-1995**	**Nov-1995**	**Apr-1996**	**Oct-1996**	**Oct-1997**	**Apr-1998**	**Oct-1998**	**Apr-1999**	**Jun-1999**	**Oct-1999**	**May-2000**	**Oct-2000**	**Apr-2001**	**Oct-2001**	**Apr-2002**	**Oct-2002**
Barium	2,000	100	NS	NS	NS	NS	NS	NS	*	60	*	12	12	12	64	39	28	2.3	28	27
Cadmium	1.75	1	NS	NS	NS	NS	NS	NS	2	*	*	*	*	*	1	*	*	*	*	*
Chromium	50	10	NS	NS	NS	NS	NS	NS	5	*	*	*	*	*	*	5.6	*	*	*	*
Lead	15	10	NS	NS	NS	NS	NS	NS	*	4	*	*	*	*	4	*	8.9	*	*	*
Selenium	50	10	NS	NS	NS	NS	NS	NS	5	*	*	*	*	*	*	23	6	*	12	*
Zinc	1,050	10	NS	NS	NS	NS	NS	NS	*	9460	4130	*	*	*	4320	2500	3400	5100	2100	3200

NOTES:

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2. **NS - Location Not Sampled**
3. **NL - Constituent does not have a NC2L Standard**
4. **Constituent that exceed the NC2L Standard are Highlighed in Red**
5. **DRY - Well was dry during sampling event**
6. **All Constituents measured in parts per billions (ppb)**
7. **Only compounds detected above the laboratory PQL or SWSL are listed**
8. **N/A - Not Applicable**

HISTORICAL ANALYTICAL RESULTS

Dowdle

OLD FRANKLIN LANDFILL: PERMIT NO: 57-01

FRANKLIN, NORTH CAROLINA

VOCs	NC 2L	SWSL	Apr-2003	Oct-2003	Apr-2004	Dec-2004	Apr-2005	Oct-2005	Apr-2006	Oct-2006	Apr-2007	Oct-2007	Apr-2008	Oct-2008	Apr-2009	Oct-2009	NC 2L	SWSL	Apr-2010	Oct-2010
1,2-Dibromo-3-chloropropane (DBCP)	0.025	1	*	NS	NS	*	*	*	*	NS	NS	NS	NS	NS	NS	NS	0.04	13	NS	NS
1,4-Dichlorobenzene	1.4	1	*	NS	NS	*	*	*	*	NS	NS	NS	NS	NS	NS	NS	6	1	NS	NS
Bromodichloromethane	0.56	1	*	NS	NS	*	*	*	*	NS	NS	NS	NS	NS	NS	NS	0.6	1	NS	NS
Chloroform	70	5	*	NS	NS	*	*	*	*	NS	NS	NS	NS	NS	NS	NS	70	5	NS	NS
cis-1,2-Dichloroethene	70	5	*	NS	NS	*	*	*	*	NS	NS	NS	NS	NS	NS	NS	70	5	NS	NS
METALS	**NC 2L**	**SWSL**	**Apr-2003**	**Oct-2003**	**Apr-2004**	**Dec-2004**	**Apr-2005**	**Oct-2005**	**Apr-2006**	**Oct-2006**	**Apr-2007**	**Oct-2007**	**Apr-2008**	**Oct-2008**	**Apr-2009**	**Oct-2009**	**NC 2L**	**SWSL**	**Apr-2010**	**Oct-2010**
Barium	2,000	100	*	NS	NS	*	*	*	*	NS	NS	NS	NS	NS	NS	NS	700	100	NS	NS
Cadmium	1.75	1	*	NS	NS	*	*	*	*	NS	NS	NS	NS	NS	NS	NS	2	1	NS	NS
Chromium	50	10	*	NS	NS	*	*	*	*	NS	NS	NS	NS	NS	NS	NS	10	10	NS	NS
Lead	15	10	*	NS	NS	*	23.4	12.8	*	NS	NS	NS	NS	NS	NS	NS	15	10	NS	NS
Selenium	50	10	*	NS	NS	*	*	*	*	NS	NS	NS	NS	NS	NS	NS	20	10	NS	NS
Zinc	1,050	10	*	NS	NS	4060	3950	4320	3220	NS	NS	NS	NS	NS	NS	NS	1000	10	NS	NS

NOTES:

1. * - Constituent did not exceed laboratory Practical Quantitation (PQL) Limit or Solid Waste Section Limit (SWSL).
2. NS - location not sampled
3. NL - constituent does not have a NC 2L Standard
4. Constituents that exceed the NC 2L Standard are highlighed in red
5. DRY - well was dry during sampling event
6. All constituents reported in parts per billion (ppb)
7. Only compounds detected above the laboratory PQL or SWSL are listed
8. N/A - Not Applicable

HISTORICAL ANALYTICAL RESULTS

OLD FRANKLIN LANDFILL: PERMIT NO: 57-01

FRANKLIN, NORTH CAROLINA

Dowdle

VOCs	NC 2L	SWSL	Apr-2011	Oct-2011	Apr-2012	Oct-2012	Apr-2013	Oct-2013	Apr-2014
1,2-Dibromo-3-chloropropane (DBCP)	0.04	13	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	6	1	NS	NS	NS	NS	NS	NS	NS
Bromodichloromethane	0.6	1	NS	NS	NS	NS	NS	NS	NS
Chloroform	70	5	NS	NS	NS	NS	NS	NS	NS
cis-1,2-Dichloroethene	70	5	NS	NS	NS	NS	NS	NS	NS
METALS	**NC 2L**	**SWSL**	**Apr-2011**	**Oct-2011**	**Apr-2012**	**Oct-2012**	**Apr-2013**	**Oct-2013**	**Apr-2014**
Barium	700	100	NS	NS	NS	NS	NS	NS	NS
Cadmium	2	1	NS	NS	NS	NS	NS	NS	NS
Chromium	10	10	NS	NS	NS	NS	NS	NS	NS
Lead	15	10	NS	NS	NS	NS	NS	NS	NS
Selenium	20	10	NS	NS	NS	NS	NS	NS	NS
Zinc	1000	10	NS	NS	NS	NS	NS	NS	NS

NOTES:

1. *** - Constituent did not exceed laboratory Practical Quantitation (PQL) Limit or Solid Waste Section Limit (SWSL).**
2. **NS - location not sampled**
3. **NL - constituent does not have a NC 2L Standard**
4. **Constituents that exceed the NC 2L Standard are highlighed in red**
5. **DRY - well was dry during sampling event**
6. **All constituents reported in parts per billion (ppb)**
7. **Only compounds detected above the laboratory PQL or SWSL are listed**
8. **N/A - Not Applicable**

HISTORICAL ANALYTICAL RESULTS

Keener

OLD FRANKLIN LANDFILL: PERMIT NO: 57-01

FRANKLIN, NORTH CAROLINA

VOCs	NC 2L	SWSL	Jun-1994	Oct-1994	Mar-1995	Nov-1995	Apr-1996	Oct-1996	May-1997	Oct-1997	Apr-1998	Oct-1998	Apr-1999	Oct-1999	May-2000	Oct-2000	Apr-2001	Oct-2001	Apr-2002	Oct-2002	Apr-2003
1,4-Dichlorobenzene	1.4	1	*	*	*	*	*	*	*	*	*	*	*	*	5.7	2.9	*	*	*	NS	NS
Bromodichloromethane	0.56	1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2.4	3.2	2.7	NS	NS
Chloroform	70	5	*	*	*	*	*	*	*	*	*	*	*	*	*	*	18	51	24	NS	NS
cis-1,2-Dichloroethene	70	5	*	*	*	*	*	*	*	*	*	4.8	4.2	4.2	7.7	3.3	*	*	*	NS	NS
Tetrachloroethene (PCE)	0.7	1	*	*	*	*	*	*	*	*	*	*	*	2.8	*	*	*	*	*	NS	NS
METALS	**NC 2L**	**SWSL**	**Jun-1994**	**Oct-1994**	**Mar-1995**	**Nov-1995**	**Apr-1996**	**Oct-1996**	**May-1997**	**Oct-1997**	**Apr-1998**	**Oct-1998**	**Apr-1999**	**Oct-1999**	**May-2000**	**Oct-2000**	**Apr-2001**	**Oct-2001**	**Apr-2002**	**Oct-2002**	**Apr-2003**
Arsenic	50	10	*	*	*	*	*	*	*	*	*	*	*	*	*	14	*	*	*	NS	NS
Barium	2000	100	*	*	*	*	*	*	*	*	38	50	35	80	122	83	10	15	11	NS	NS
Cadmium	1.75	1	*	*	*	*	*	*	*	*	*	*	*	*	5	*	*	*	*	NS	NS
Chromium	50	10	*	*	*	*	*	*	*	*	*	*	*	*	*	12	*	*	*	NS	NS
Lead	15	10	*	*	*	*	*	*	*	*	*	*	*	*	6	6	*	*	*	NS	NS
Nickel	100	10	*	*	*	*	*	*	*	*	*	*	*	*	*	24	*	*	*	NS	NS
Selenium	50	10	*	*	*	*	*	*	*	*	*	*	*	*	13	35	*	*	*	NS	NS
Zinc	1050	10	*	*	*	*	*	*	*	*	615	611	468	570	788	660	11	14	*	NS	NS

NOTES:

1. *** - Constituent did not exceed laboratory Practical Quantitation (PQL) Limit or Solid Waste Section Limit (SWSL).**
2. **NS - location not sampled**
3. **NL - constituent does not have a NC 2L Standard**
4. **Constituents that exceed the NC 2L Standard are highlighed in red**
5. **DRY - well was dry during sampling event**
6. **All constituents reported in parts per billion (ppb)**
7. **Only compounds detected above the laboratory PQL or SWSL are listed**
8. **N/A - Not Applicable**

HISTORICAL ANALYTICAL RESULTS

Keener

OLD FRANKLIN LANDFILL: PERMIT NO: 57-01

FRANKLIN, NORTH CAROLINA

VOCs	NC 2L	SWSL	Oct-2003	Apr-2004	Dec-2004	Apr-2005	Oct-2005	Apr-2006	Oct-2006	Apr-2007	Oct-2007	Apr-2008	Oct-2008	Apr-2009	Oct-2009	NC 2L	SWSL	Apr-2010	Oct-2010	Apr-2011	Oct-2011
1,4-Dichlorobenzene	1.4	1	NS	NS	*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	6	1	NS	NS	NS	NS
Bromodichloromethane	0.56	1	NS	NS	*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.6	1	NS	NS	NS	NS
Chloroform	70	5	NS	NS	*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	70	5	NS	NS	NS	NS
cis-1,2-Dichloroethene	70	5	NS	NS	*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	70	5	NS	NS	NS	NS
Tetrachloroethene (PCE)	0.7	1	NS	NS	*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.7	1	NS	NS	NS	NS
METALS	**NC 2L**	**SWSL**	**Oct-2003**	**Apr-2004**	**Dec-2004**	**Apr-2005**	**Oct-2005**	**Apr-2006**	**Oct-2006**	**Apr-2007**	**Oct-2007**	**Apr-2008**	**Oct-2008**	**Apr-2009**	**Oct-2009**	**NC 2L**	**SWSL**	**Apr-2010**	**Oct-2010**	**Apr-2011**	**Oct-2011**
Arsenic	50	10	NS	NS	*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	10	10	NS	NS	NS	NS
Barium	2000	100	NS	NS	*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	700	100	NS	NS	NS	NS
Cadmium	1.75	1	NS	NS	*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	2	1	NS	NS	NS	NS
Chromium	50	10	NS	NS	*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	10	10	NS	NS	NS	NS
Lead	15	10	NS	NS	*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	15	10	NS	NS	NS	NS
Nickel	100	10	NS	NS	*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	100	50	NS	NS	NS	NS
Selenium	50	10	NS	NS	*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	20	10	NS	NS	NS	NS
Zinc	1050	10	NS	NS	*	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	1000	10	NS	NS	NS	NS

NOTES:

1. *** - Constituent did not exceed laboratory Practical Quantitation (PQL) Limit or Solid Waste Section Limit (SWSL).**
2. **NS - location not sampled**
3. **NL - constituent does not have a NC 2L Standard**
4. **Constituents that exceed the NC 2L Standard are highlighed in red**
5. **DRY - well was dry during sampling event**
6. **All constituents reported in parts per billion (ppb)**
7. **Only compounds detected above the laboratory PQL or SWSL are listed**
8. **N/A - Not Applicable**

HISTORICAL ANALYTICAL RESULTS

OLD FRANKLIN LANDFILL: PERMIT NO: 57-01

FRANKLIN, NORTH CAROLINA

Keener

VOCs	NC 2L	SWSL	Apr-2012	Oct-2012	Apr-2013	Oct-2013	Apr-2014
1,4-Dichlorobenzene	6	1	NS	NS	NS	NS	NS
Bromodichloromethane	0.6	1	NS	NS	NS	NS	NS
Chloroform	70	5	NS	NS	NS	NS	NS
cis-1,2-Dichloroethene	70	5	NS	NS	NS	NS	NS
Tetrachloroethene (PCE)	0.7	1	NS	NS	NS	NS	NS
METALS	**NC 2L**	**SWSL**	**Apr-2012**	**Oct-2012**	**Apr-2013**	**Oct-2013**	**Apr-2014**
Arsenic	10	10	NS	NS	NS	NS	NS
Barium	700	100	NS	NS	NS	NS	NS
Cadmium	2	1	NS	NS	NS	NS	NS
Chromium	10	10	NS	NS	NS	NS	NS
Lead	15	10	NS	NS	NS	NS	NS
Nickel	100	50	NS	NS	NS	NS	NS
Selenium	20	10	NS	NS	NS	NS	NS
Zinc	1000	10	NS	NS	NS	NS	NS

NOTES:

1. *** - Constituent did not exceed laboratory Practical Quantitation (PQL) Limit or Solid Waste Section Limit (SWSL).**
2. **NS - location not sampled**
3. **NL - constituent does not have a NC 2L Standard**
4. **Constituents that exceed the NC 2L Standard are highlighed in red**
5. **DRY - well was dry during sampling event**
6. **All constituents reported in parts per billion (ppb)**
7. **Only compounds detected above the laboratory PQL or SWSL are listed**
8. **N/A - Not Applicable**

Old Franklin Landfill

Franklin, Macon County, North Carolina

Permit Number: 57-01

Appendix E:

Statistical Analysis

Old Franklin Landfill

Well	Date	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	Nickel	Selenium	Vanadium	Zinc
MW-2	Jun-94	0.005	0.250	0.001	0.0005	0.005	0.005	0.100	0.005	0.025	0.010	0.020	0.025
MW-2	Oct-94	0.005	0.844	0.001	0.0005	0.005	0.005	0.100	0.005	0.025	0.010	0.020	0.025
MW-2	Mar-95	0.005	0.632	0.001	0.0005	0.005	0.005	0.100	0.005	0.025	0.010	0.020	0.025
MW-2	Nov-95	0.005	0.581	0.001	0.0005	0.005	0.005	0.100	0.005	0.025	0.010	0.020	0.025
MW-2	Apr-96	0.005	0.250	0.001	0.0005	0.005	0.005	0.100	0.005	0.025	0.010	0.020	0.025
MW-2	Oct-96	0.005	0.892	0.001	0.0005	0.106	0.040	0.100	0.005	0.025	0.010	0.145	0.143
MW-2	May-97	0.005	0.250	0.001	0.001	0.005	0.005	0.100	0.005	0.025	0.010	0.020	0.025
MW-2	Oct-97	0.005	0.250	0.001	0.0005	0.035	0.005	0.100	0.005	0.025	0.010	0.020	0.106
MW-2	Apr-98	0.005	0.250	0.001	0.0005	0.005	0.005	0.100	0.005	0.025	0.010	0.020	0.025
MW-2	Oct-98	0.011	0.250	0.001	0.0005	0.06	0.029	0.100	0.005	0.025	0.010	0.076	0.134
MW-2	Apr-99	0.005	0.250	0.001	0.0005	0.018	0.005	0.100	0.005	0.025	0.010	0.020	0.080
MW-2	Oct-99	0.005	2.12	0.001	0.0005	0.172	0.077	0.100	0.028	0.066	0.010	0.245	0.534
MW-2	May-00	0.005	0.250	0.001	0.0005	0.019	0.005	0.100	0.005	0.025	0.010	0.020	0.025
MW-2	Apr-01	0.005	0.250	0.001	0.0005	0.026	0.005	0.100	0.019	0.025	0.010	0.020	0.025
MW-2	Apr-03	0.005	0.250	0.001	0.0005	0.005	0.005	0.100	0.005	0.025	0.010	0.020	0.025
MW-8	Apr-03	0.140	6.10	0.001	0.0005	1.00	0.380	2.40	0.150	0.690	0.062	1.30	2.00
MW-2	Apr-05	0.005	0.250	0.001	0.0005	0.005	0.005	0.100	0.005	0.025	0.010	0.020	0.025
MW-8	Apr-05	0.005	0.250	0.001	0.0005	0.0113	0.0106	0.100	0.005	0.025	0.010	0.020	0.025
MW-2	Apr-07	0.005	0.189	0.0005	0.0005	0.005	0.005	0.005	0.005	0.025	0.005	0.010	0.0157
MW-8	Apr-07	0.005	0.224	0.0005	0.0005	0.0133	0.0163	0.0303	0.0130	0.025	0.005	0.0317	0.0600
MW-2	Apr-09	0.005	0.175	0.0005	0.0005	0.0106	0.005	0.0101	0.005	0.025	0.005	0.010	0.0343
MW-8	Apr-09	0.0118	1.16	0.0005	0.0005	0.154	0.0779	0.128	0.0334	0.139	0.005	0.010	0.285
MW-2	Apr-11	0.005	0.271	0.0005	0.0005	0.0119	0.005	0.005	0.005	0.025	0.005	0.0125	0.0357
MW-8	Apr-11	0.005	0.213	0.0005	0.0005	0.0248	0.0142	0.0312	0.005	0.025	0.005	0.0353	0.0531
MW-2	Apr-13	0.005	0.050	0.0005	0.0005	0.005	0.005	0.005	0.005	0.025	0.005	0.0125	0.0251
MW-8	Apr-13	0.005	0.112	0.0005	0.0005	0.0140	0.005	0.0187	0.005	0.025	0.005	0.0208	0.0312

PQL	0.010	0.500	0.002	0.001	0.010	0.010	0.200	0.010	0.050	0.020	0.040	0.050
SWSL	0.010	0.100	0.001	0.001	0.010	0.010	0.010	0.010	0.050	0.010	0.025	0.010
# Obs.	26	26	26	26	26	26	26	26	26	26	26	26
# NDs	23	13	26	25	11	18	20	21	23	25	19	13
% NDs	88%	50%	100%	96%	42%	69%	77%	81%	88%	96%	73%	50%
Method	Nonparametric	Nonparametric	Nonparametric	Nonparametric	Adjustment	Nonparametric	Nonparametric	Nonparametric	Nonparametric	Nonparametric	Nonparametric	Nonparametric
Pr. Limit	0.140	6.10	0.002	0.001	0.795	0.380	2.40	0.150	0.690	0.062	1.30	2.00

Chromium

i	i (detects)	Cr	ln(x_i)
1		0.005	-5.30
2		0.005	-5.30
3		0.005	-5.30
4		0.005	-5.30
5		0.005	-5.30
6		0.005	-5.30
7		0.005	-5.30
8		0.005	-5.30
9		0.005	-5.30
10		0.005	-5.30
11		0.005	-5.30
12	1	0.0106	-4.55
13	2	0.0113	-4.48
14	3	0.0119	-4.43
15	4	0.0133	-4.32
16	5	0.0140	-4.27
17	6	0.018	-4.02
18	7	0.019	-3.96
19	8	0.0248	-3.70
20	9	0.026	-3.65
21	10	0.035	-3.35
22	11	0.060	-2.81
23	12	0.106	-2.24
24	13	0.154	-1.87
25	14	0.172	-1.76
26	15	1.00	0.00

Shapiro-Wilk Test - Normal Assumption, Detections

i	x_i	x_{n-i+1}	$x_{n-i+1}-x_i$	a_{n-i+1}	b_i
1	0.0106	1.00	0.989	0.5150	0.5095
2	0.0113	0.172	0.161	0.3306	0.0531
3	0.0119	0.154	0.142	0.2495	0.0355
4	0.0133	0.106	0.093	0.1878	0.0174
5	0.0140	0.060	0.046	0.1353	0.0062
6	0.018	0.035	0.017	0.0880	0.0015
7	0.019	0.026	0.007	0.0433	0.0003
8	0.0248	0.0248	0.000	0.0000	0.0000
9	0.026	0.019	-0.007		
10	0.035	0.018	-0.017	**sum b_i**	0.6236
11	0.06	0.0140	-0.046		
12	0.106	0.0133	-0.093		
13	0.154	0.0119	-0.142		
14	0.172	0.0113	-0.161		
15	1.00	0.0106	-0.989		

Std. Dev.= 0.25

W= 0.439 ==> less than 0.835, normal assumption rejected

Chromium

i	y_i	y_{n-i+1}	$y_{n-i+1}-y_i$	a_{n-i+1}	b_i
1	-4.5469	0.0000	4.547	0.5150	2.3417
2	-4.4830	-1.7603	2.723	0.3306	0.9001
3	-4.4312	-1.8708	2.560	0.2495	0.6388
4	-4.3200	-2.2443	2.076	0.1878	0.3898
5	-4.2687	-2.8134	1.455	0.1353	0.1969
6	-4.0174	-3.3524	0.665	0.0880	0.0585
7	-3.9633	-3.6497	0.314	0.0433	0.0136
8	-3.6969	-3.6969	0.000	0.0000	0.0000
9	-3.6497	-3.9633	-0.314		
10	-3.3524	-4.0174	-0.665	**sum b_i**	4.5394
11	-2.8134	-4.2687	-1.455		
12	-2.2443	-4.3200	-2.076		
13	-1.8708	-4.4312	-2.560		
14	-1.7603	-4.4830	-2.723		
15	0.0000	-4.5469	-4.547		

Std. Dev.= 1.31
W= 0.855 ==> greater than 0.835, lognormal assumption not rejected

Cohen's Adjustment - Lognormal Distribution

Mean (above detection)	-3.295	
S.D. (above detection)	1.312	
h	0.4231	
gamma	1.0023	
lambda	0.8656	
Corrected Trans. Mean	-4.429	
Corrected Trans. S.D.	1.79	
Mean	0.06	
S.D.	0.29	
K	2.55	*
Prediction Limit	0.795	

* from Table 19-1, EPA Unified Guidance:

COCs	20
n	26
w	12

	n		
w	25	26	30
12	2.56	**2.55**	2.49