WHITE STREET LANDFILL

Greensboro, North Carolina
Phase I Post Closure Monitoring
April 2007 Sampling
S&ME Project No. 1584-98-081

Prepared For:

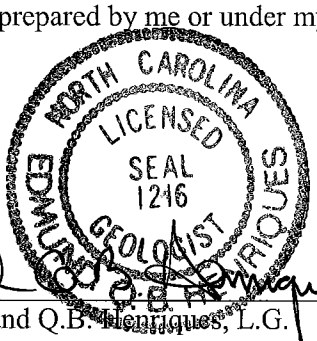
The City of Greensboro

Prepared By:

S&ME, Inc.
3718 Old Battleground Road
Greensboro, North Carolina 27410

June 15, 2007

I hereby certify this 15h day of June, 2007, that this report was prepared by me or under my direct supervision.



Edmund Q.B. Henriques, L.G.
Environmental Department Manager

Technical review performed by:

Wayne H. Watterson, P.E.
Senior Engineer

TABLE OF CONTENTS

Page

1.0 EXECUTIVE SUMMARY 1
2.0 INTRODUCTION 2
3.0 SCOPE OF WORK 3
4.0 METHODS EMPLOYED 3
4.1 Monitoring Well Sampling 3
4.2 Stream Sampling 4
5.0 RESULTS 5
5.1 Groundwater Analytical Results 5
5.2 Groundwater Flow Direction 6
5.3 Surface Water 6
5.4 Quality Assurance 6
6.0 REFERENCES 7

TABLES

Table 1: Groundwater Elevation Data Summary (4/07)
Table 2: Groundwater and Surface Water Field Data Summary (4/07)
Table 3: Groundwater Analytical Results Summary (4/07), Appendix I Volatile Organic Compounds
Table 4: Groundwater Analytical Results Summary (4/07), 8-RCRA Metals
Table 5: Surface Water Analytical Results Summary (4/07), Appendix I – Volatile Organic Compounds
Table 6: Surface Water Analytical Results Summary (4/07), Appendix I – Metals

FIGURES

Figure 1: Groundwater Flow Map
Figure 2: Stream Sample Location

APPENDICES

Appendix A: Groundwater Sampling Field Data Sheets
Appendix B: Laboratory Analytical Reports
Appendix C: NC DENR Formatted Data Tables on CD

1.0 EXECUTIVE SUMMARY

Five monitoring wells and five stream locations at the White Street Landfill were sampled during April 2007. Five wells (I-1, I-2, I-3, I-4, and MW-13) comprise the groundwater monitoring system for the closed Phase I portion of the White Street Landfill. Monitoring well MW-13 serves as a background well for both the Phase I and the Phase II areas. The sampling was conducted according to North Carolina Solid Waste Management Guidelines. Samples were analyzed by a North Carolina certified laboratory. The samples collected from the Phase I area wells were submitted for analysis using the North Carolina Appendix I organic constituents and eight RCRA Metals for detection monitoring. The samples collected from background well MW-13 were submitted for analysis using the North Carolina Appendix I constituents for detection monitoring. Samples from surface water locations SW-1, SW-2, SW-3, SW-4 and SW-5 were analyzed for federal Appendix I detection monitoring constituents. Phase I shares the five surface water monitoring locations with Phase II and Phase III.

Results from the five Phase I monitoring wells indicate volatile organic constituents vinyl chloride, acetone, methylene chloride, 1,1-dichloroethane, cis 1,2-dichloroethene, chlorobenzene, 1,4-dichlorobenzene, and 1,2-dichlorobenzene were detected at one or more monitoring wells. The estimated concentrations (J-value) of vinyl chloride in three monitoring wells exceeded the corresponding NCAC 2L Groundwater quality standard. No other volatile organic compounds were detected at concentrations above the NCAC 2L groundwater standard in any of the remaining Phase I monitoring wells sampled. The estimated concentrations of acetone, methylene chloride, 1,1-dichloroethane, cis 1,2-dichloroethene, chlorobenzene, 1,4-dichlorobenzene and 1,2-dichlorobenzene did not exceed the corresponding NCAC 2L Groundwater quality standard.

Barium was detected in monitoring wells I-1, I-2, I-3 , I-4 and MW-13 at estimated concentrations exceeding the North Carolina Solid Waste Section Limit (NC SWSL) during the current groundwater monitoring event; however, the reported concentrations of barium are below the corresponding NCAC 2L groundwater quality standard for Class GA groundwater on the date that samples were collected. Copper, lead, mercury, vanadium and zinc were detected at one or more wells at concentrations that did not exceed the corresponding NCAC 2L groundwater quality standards for Class GA groundwater. No other RCRA metals were detected at or above the NC SWSL in the Phase I monitor wells on the date the samples were collected.

Results from the five surface water samples collected on or near the White Street facility indicate volatile organic constituents chloroform, bromodichloromethane, toluene and dibromochloromethane were detected at one or more sampling points. The estimated concentration of toluene did not exceed the corresponding NCAC 2B standard for Class B or C surface water. No NCAC 2B standards exist for chloroform, bromodichloromethane and dibromochloromethane. No other volatile organic compounds were detected at concentrations above the NC SWSL in any of the remaining Phase I surface water sampling points.

Results from the five surface water samples collected on or near the White Street facility for metals indicate barium, copper, nickel, selenium, vanadium and zinc were detected at one or more sampling points. The detected concentrations of nickel, selenium and zinc did not exceed the corresponding NCAC 2B standards for Class B or C surface water. No NCAC 2B standards exist for barium, copper and vanadium. No other metals were detected at concentrations above the NC SWSL in any of the remaining Phase I surface water sampling points.

2.0 INTRODUCTION

White Street Landfill is a Solid Waste Management Facility (SWMF) located at the north end of White Street in northeastern Greensboro. S&ME, Inc. (S&ME) was contracted by the City of Greensboro to complete this Phase I water quality monitoring event. Phase I of the landfill is covered by Solid Waste Permit #41-03. **Figure 1** is a map showing the monitor well locations. One upgradient and four down-gradient monitoring wells located along the perimeter of the closed Phase I disposal area were sampled. Five surface water samples were collected from North Buffalo Creek and one of its tributaries in the vicinity of the White Street facility. Phase I shares the surface water sampling locations with adjacent Phase II and Phase III portions of the landfill.

The samples collected from Phase I wells I-1, I-2, I-3 and I-4 were analyzed for Appendix I volatile organic constituents and the eight RCRA metals. The samples collected from Phase I well MW-13 were analyzed for Appendix I constituents. This report discusses the field procedures, summarizes the field measurements and analytical results for the April 2007 water quality monitoring event.

3.0 SCOPE OF WORK

To complete the scope of work, S&ME completed the following tasks:

- Sampled five monitoring wells and five surface water locations at the White Street landfill SWMF.
- Obtained field values for pH, temperature, dissolved oxygen (DO), turbidity, oxidation-reduction potential (ORP), and conductivity at each sample location.
- Depth to water measurements were collected during well purging to monitor drawdown.
- Had the samples I-1, I-2, I-3 and I-4 analyzed for Appendix I organic constituents and 8-RCRA metals by a North Carolina certified laboratory, using State approved methods.
- Had the samples MW-13, SW-1, SW-2, SW-3, SW-4, and SW-5 analyzed for Appendix I constituents by a North Carolina certified laboratory, using State approved methods.
- Calculated groundwater flow directions at the Phase I area monitoring well locations.
- Prepared and submitted reports to the City of Greensboro and the State.

4.0 METHODS EMPLOYED

4.1 Monitoring Well Sampling

Phase I groundwater monitoring well sampling took place on April 10 and 13, 2007. The monitoring well locations are shown on Figure 1. A representative from S&ME opened each well and measured the static water level from the top edge of the PVC casing in wells. The total well depth sounding data reported for the sampling events completed during September 1997 and May 1998 were used to determine the volume of water in wells I-1, I-2, I-3, I-4 and MW-13, where dedicated MicroPurge™ pumps had been previously installed. These data are summarized in **Table 1**.

In accordance with the facility's approved Water Quality Monitoring Plan, each well was purged using the dedicated MicroPurge™ pumps using compressed air. At each well, the purge rate and the drawdown of the water table were monitored as an indicator of how much stress the purging

placed on the aquifer. The purge rates were calculated by recording the time required to fill a graduated cylinder. The purging flow rate varied but was approximately 100 milliliters/minute (ml/min.). During purging, the depth to water was periodically monitored and recorded on the groundwater sampling field data sheets. The field data sheets are included in **Appendix A**.

It is our opinion that the observed drawdowns were generally minor during purging; therefore, the stresses placed on the aquifer should have been minor. The observed drawdown data also suggests that the purging rates should have been low enough such that recharge water should not have been overly agitated, reducing the potential for colloids to be drawn into the well bore.

The purge water from each of these wells was monitored for pH, temperature, DO, turbidity, ORP and conductivity. A sample was collected when the changes in those readings fluctuated no more than 10 percent. The field data collected during sampling was recorded on the groundwater sampling field data sheets. **Table 2** summarizes the results of the field data.

Groundwater samples were collected from dedicated Teflon tubing at each of the pumped wells. Immediately upon collection, each sample was placed in laboratory supplied containers, packed on ice and placed under chain-of custody. The sampling technician wore latex gloves that were changed between wells to reduce the possibility of cross contamination.

Phase I monitoring well samples I-1, I-2, I-3 and I-4 were analyzed for Appendix I volatile organic constituents and the eight RCRA metals. Phase I monitoring well sample MW-13 was analyzed for Appendix I constituents. Analyses were conducted by Environmental Conservation Laboratories; a North Carolina certified laboratory.

4.2 Stream Sampling

Surface water sampling took place on April 13, 2007. Four stream samples (SW-1, SW-3, SW-4, and SW-5) were collected from North Buffalo Creek, which flows along the northwestern side of the White Street Landfill. Surface water sample SW-2 was collected from a tributary of North Buffalo Creek. The locations are shown in **Figure 2**. SW-1 was collected upstream from the landfill near the US Highway 29 bridge. SW-2 was collected from a southern tributary of North Buffalo Creek just before it joins the main creek west of the landfill entrance. SW-3 was collected downstream of the North Buffalo Wastewater Treatment Plant outfall and upstream of the landfill. SW-4 was collected downstream of the landfill at a USGS gauging station located on

North Buffalo Creek about three-quarters of a mile north of the landfill. SW-5 was collected from North Buffalo Creek immediately downstream of the Phase I and II landfill disposal areas.

The surface water samples were collected by immersing laboratory supplied containers in the water to be sampled. After collection, the surface water samples were packed on ice and placed under chain-of-custody. All stream samples were analyzed for Appendix I inorganic and volatile organic constituents by Environmental Conservation Laboratories, a North Carolina certified laboratory.

5.0 RESULTS

5.1 Groundwater Analytical Results

The results of the laboratory analyses for Appendix I volatile organic constituents and the eight RCRA metals in the closed Phase I area groundwater monitoring well samples are summarized in **Tables 3** and **4**, and the complete laboratory reports are included in Appendix B. Wells I-1, I-2, I-3, I-4, and MW-13 monitor the closed Phase I area. The following summarizes the groundwater sample analyses.

- Volatile organic compound vinyl chloride was detected solely at monitoring wells I-1, I-2 and I-3 at concentrations of 0.72 µg/L, 0.54 µg/L and 0.63 µg/L, respectively. The concentrations were estimated, and the estimated values exceed the 0.015 µg/L NCAC 2L groundwater quality standard.

- Volatile organic compounds acetone, methylene chloride, 1,1-dichloroethane, 1,2-dichloroethene, chlorobenzene, 1,4-dichlorobenzene and 1,2-dichlorobenzene were detected at one or more monitoring wells at concentrations that do not exceed the corresponding NCAC 2L groundwater quality standards.

- Inorganic constituents barium, copper, lead, mercury and zinc were detected at one or more monitoring wells at concentrations that do not exceed the corresponding NCAC 2L groundwater quality standards.

- Inorganic constituent vanadium was detected solely at monitoring well MW-13 at an estimated concentration of 3.4 µg/L. The NCAC 2L groundwater quality standard has not been established for vanadium.

5.2 Groundwater Flow Direction

The static water levels in the Phase I monitoring wells were measured in April 2007. The depth to the water table ranged from 2.39 to 19.63 feet below the top of well casing on this date. Groundwater and well casing elevation data are presented in Table 1. A groundwater contour map constructed using the data collected in April 2007 is presented as Figure 1. The groundwater elevation data collected during this monitoring event indicates that the groundwater beneath Phase I generally flows toward the west and northwest, toward Buffalo Creek. This is, in general, consistent with the results from previous monitoring events.

5.3 Surface Water

The results of the laboratory analyses for Appendix I constituents in the surface water samples are summarized in **Tables 5** and **6.**

- Volatile organic compound toluene was detected solely at sampling point SW-2 at a concentration of 0.31 µg/L. The estimated concentration (J-value) is less than the 11 µg/L NCAC 2B standard for Class B, C surface water.

- Volatile organic compounds chloroform, bromodichloromethane and dibromochloromethane were detected at one or more sampling points. No NCAC 2B standards for Class B, C surface water have been established for these compounds.

- Inorganic constituents nickel and zinc were detected at one or more sampling points at concentrations that are less than the corresponding NCAC 2B standards for Class B, C surface water.

- Inorganic constituents barium, copper, selenium and vanadium were detected at one or more sampling points. No NCAC 2B standards for Class B, C surface water have been established for these metals.

The complete laboratory reports are included in Appendix B.

5.4 Quality Assurance

The monitoring wells in Phase I were sampled using dedicated micro-purge pumps. Therefore, no equipment rinse samples were collected for analysis for data quality control. Trip blank samples accompanied the sample bottles from the time they left the laboratory until they returned. The trip blank samples were analyzed for Appendix I volatile organic constituents. No volatile

organic constituents were present in the trip blank samples at detectable levels.. Laboratory QC samples were analyzed for all constituents included in this sampling event. The results of the trip blank and laboratory QC sample analyses are included in Appendix B.

6.0 REFERENCES

Fetter, C. W., 1988, Applied Hydrogeology, New York; Macmillan Publishing Company, 1988, 592 pp.

North Carolina Administrative Code, Title 15A, Department of Environment, Health and Natural Resources, Division of Environmental Management, Subchapter 2L, Classifications and Water Quality Standards Applicable to the Groundwaters of North Carolina, Sections .0100, .0200, and .0300 (November 8, 1993); from the Environmental Management Commission Raleigh, North Carolina.

North Carolina Administrative Code, Title 15A, Department of Environment, Health and Natural Resources, Division of Environmental Management, Subchapter 2B, Classifications and Water Quality Standards Applicable to the Surface Waters of North Carolina, Section .0200 (April 1, 1991); from the Environmental Management Commission, Raleigh, North Carolina.

North Carolina Administrative Code, Title 15A, Department of Environment, Health and Natural Resources, Division of Solid Waste Management, subchapter 13B, Solid Waste Management, Section .1600 (January 1, 1997).

TABLES

TABLE 1
GROUNDWATER ELEVATION DATA SUMMARY (4/07)
PHASE I - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Well No.	Elevation TOC (feet)	Depth of Well (feet)	Static Water Levels			
			April 24, 2006		April 10, 2007	
			DTGW (feet)	Elevation (feet)	DTGW (feet)	Elevation (feet)
I-1	776.11	23.36	8.94	767.17	8.40	767.71
I-2	768.58	23.13	4.66	763.92	4.89	763.69
I-3	764.65	24.22	13.03	751.62	12.76	751.89
I-4	759.83	14.57	2.49	757.34	2.39	757.44
MW-13	741.30	33.78	21.05	720.25	19.63	721.67

TOC = Top of Casing. Elevations determined by survey: HDR Engineering, Inc.
Depth of well data as reported by BPA Environmental & Engineering, Inc.
DTGW = Depth to Groundwater
Elevation = calculated groundwater elevation

TABLE 2
GROUNDWATER & SURFACE WATER FIELD DATA SUMMARY (4/07)
PHASE I - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Location: I-1

Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1300	10-Apr-07	16.06	60.908	5.81	1.88	-127	2.84	60	8.40
1305	10-Apr-07	15.46	59.828	5.75	2.02	-133	2.13	7.8	
1310	10-Apr-07	15.28	59.504	5.72	2.04	-134	1.77	2.3	
1315	10-Apr-07	15.68	60.224	5.69	2.05	-138	1.36	2.10	
1320	10-Apr-07	15.75	60.35	5.66	2.08	-143	1.07	2.60	
1325	10-Apr-07	15.71	60.278	5.64	2.12	-145	0.81	2.30	
1330	10-Apr-07	15.71	60.278	5.63	2.16	-139	0.65	2.20	
1335	10-Apr-07	15.93	60.674	5.62	2.19	-140	0.63	2.10	

Location: I-2

Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1405	10-Apr-07	16.44	61.592	6.17	2.56	-185	0.54	86	4.89
1410	10-Apr-07	15.8	60.44	6.19	2.57	-184	0.4	191	
1415	10-Apr-07	15.62	60.116	6.2	2.58	-189	0.39	281	
1420	10-Apr-07	15.59	60.062	6.19	2.59	-175	0.34	341	
1425	10-Apr-07	15.57	60.026	6.2	2.59	-194	0.37	409	
1430	10-Apr-07	15.47	59.846	6.19	2.58	-184	0.28	456	
1435	10-Apr-07	15.75	60.35	6.18	2.57	-182	0.27	479	
1440	10-Apr-07	15.6	60.08	6.18	2.56	-199	0.29	393	
1445	10-Apr-07	15.52	59.936	6.18	2.56	-178	0.33	401	
1450	10-Apr-07	15.28	59.504	6.2	2.55	-194	1.02	425	
1455	10-Apr-07	15.28	59.504	6.2	2.54	-198	1.11	426	
1500	10-Apr-07	15.46	59.828	6.2	2.54	-199	0.89	422	
1505	10-Apr-07	15.69	60.242	6.2	2.53	-196	0.68	486	
1510	10-Apr-07	15.78	60.404	6.19	2.52	-192	0.88	478	
1515	10-Apr-07	15.79	60.422	6.19	2.52	-190	0.8	490	

Location: I-3

Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1545	10-Apr-07	15.53	59.954	6.43	2.89	-155	1.61	42	12.76
1550	10-Apr-07	15.93	60.674	6.42	2.9	-161	0.9	9.7	
1555	10-Apr-07	16.16	61.088	6.42	2.9	-154	0.72	11	
1600	10-Apr-07	16.02	60.836	6.42	2.9	-153	0.60	14	
1605	10-Apr-07	15.96	60.728	6.43	2.89	-152	0.47	20	
1610	10-Apr-07	15.91	60.638	6.44	2.89	-149	0.4	23	
1615	10-Apr-07	15.98	60.764	6.44	2.89	-147	0.38	25	
1620	10-Apr-07	16.07	60.926	6.44	2.89	-146	0.34	25	
1625	10-Apr-07	16.17	61.106	6.45	2.89	-149	0.33	27	
1630	10-Apr-07	16.05	60.89	6.46	2.89	-150	0.34	28	

Location: I-4

Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1655	10-Apr-07	14.58	58.244	6.88	2.59	-145	0.96	169	2.39
1700	10-Apr-07	13.92	57.056	6.93	2.62	-182	0.41	129	
1705	10-Apr-07	13.52	56.336	6.94	2.65	-205	0.13	328	
1710	10-Apr-07	13.47	56.246	6.94	2.66	-214	0.1	420.0	
1715	10-Apr-07	13.45	56.21	6.94	2.67	-215	0.09	425.0	
1720	10-Apr-07	13.48	56.264	6.95	2.67	-219	0.08	424	

Location: MW-13

Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1025	13-Apr-07	14.3	57.74	6.44	0.560	-102	5.30	46	19.63
1030	13-Apr-07	14.4	57.92	6.37	0.538	-106	4.67	9.6	
1035	13-Apr-07	14.52	58.136	6.34	0.528	-106	4.33	7.3	
1040	13-Apr-07	14.66	58.388	6.34	0.520	-105	4.23	5.50	
1045	13-Apr-07	14.57	58.226	6.33	0.516	-105	4.13	3.90	
1050	13-Apr-07	14.53	58.154	6.34	0.515	-107	3.89	3.70	
1055	13-Apr-07	14.57	58.226	6.35	0.514	-109	3.76	4.1	

Location: SW-1

Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
0915	4/10/2007	10.55	50.99	6.24	0.319				

Location: SW-2

Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
0745	4/10/2007	8.05	46.49	6.64	0.289				

Location: SW-3

Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
0840	4/10/2007	12.2	53.96	6.55	0.436				

Location: SW-4

Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1100	4/10/2007	14.82	58.676	7.02	0.429				

Location: SW-5

Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1035	4/10/2007	13.49	56.282	7.16	0.435				

TABLE 3
GROUNDWATER ANALYTICAL RESULTS SUMMARY (4/07)
APPENDIX I - VOLATILE ORGANIC COMPOUNDS
PHASE I - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Compound	Sample Locations					NC SWSL	NCAC 2L stds.
	I-1	I-2	I-3	I-4	MW-13		
Vinyl Chloride	0.72 J	0.54 J	0.63 J	ND	ND	1	0.015
Acetone	ND	ND	33 J	1.4 J	ND	100	700
Methylene Chloride	0.51 J	ND	ND	ND	ND	1	5
1,1-Dichloroethane	1.3 J	ND	1.6 J	ND	ND	5	70
cis 1,2-dichloroethene	ND	0.34 J	0.69 J	ND	ND	5	70
Chlorobenzene	ND	ND	ND	11	ND	3	50
1,4-Dichlorobenzene	ND	ND	ND	6.9	ND	1	75
1,2-Dichlorobenzene	ND	1.2 J	0.84 J	0.6 J	ND	5	620

reported concentrations = ***micrograms per liter (ug/L)***
NC SWSL = ***North Carolina Solid Waste Section Limit***
ND = ***Analyte not detected***
NCAC 2L stds. = ***15A North Carolina Administrative Code 2L .0200, GW Quality Standards for Class GA groundwater.***
J = ***Parameters are estimated values between the detection limit and the NC SWSL.***
Gray highlights indicated a measurement higher than 2L standards but less than NC SWSL.
Yellow highlights indicate a measurement higher than the NC SWSL
Orange highlights indicate a measurement higher than 2L standards.

TABLE 4
GROUNDWATER ANALYTICAL RESULTS SUMMARY (4/07)
8-RCRA METALS
PHASE I - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Constituent	Sample Locations					NC SWSL	NCAC 2L stds.
	I-1	I-2	I-3	I-4	MW-13		
Barium	173	580	144	624	120	100	2000
Copper	ND	ND	ND	ND	1.2 J	10	1000
Lead	ND	6.7 J	ND	2.9 J	ND	10	15
Mercury	0.14 J	ND	ND	ND	ND	0.2	1.1
Vanadium	ND	ND	ND	ND	3.4 J	25	ns
Zinc	ND	ND	ND	ND	2.2 J	10	1050

all concentrations reported in micrograms per liter (ug/L)

NC SWSL = North Carolina Solid Waste Section Limit

ND = Analyte not detected

NCAC 2L stds. = 15A North Carolina Administrative Code 2L .0200, Groundwater Quality Standards for Class GA groundwater.

J = Parameters are estimated values between the detection limit and the NC SWSL.

ns = no standard listed according to NCAC 2L

Yellow highlights indicate a measurement higher than the NC SWSL.

Orange highlights indicate a measurement higher than 2L standards.

TABLE 5
SURFACE WATER ANALYTICAL RESULTS SUMMARY (4/07)
APPENDIX I - VOLATILE ORGANIC COMPOUNDS
PHASE I - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Compound	Sample Locations					15A NCAC 2B	NC SWSL
	SW-1	SW-2	SW-3	SW-4	SW-5	Standards*	
Chloroform	ND	ND	2.5 J	0.69 J	0.6 J	ns	5
Bromodichloromethane	ND	ND	1.8	ND	ND	ns	1
Toluene	ND	0.31 J	ND	ND	ND	11	1
Dibromochloromethane	ND	ND	0.54 J	ND	ND	ns	1

NC SWSL = North Carolina Solid Waste Section Limit

ND = Parameter not detected

** = Title 15A NCAC 2B Standards for Class B, C surface water*

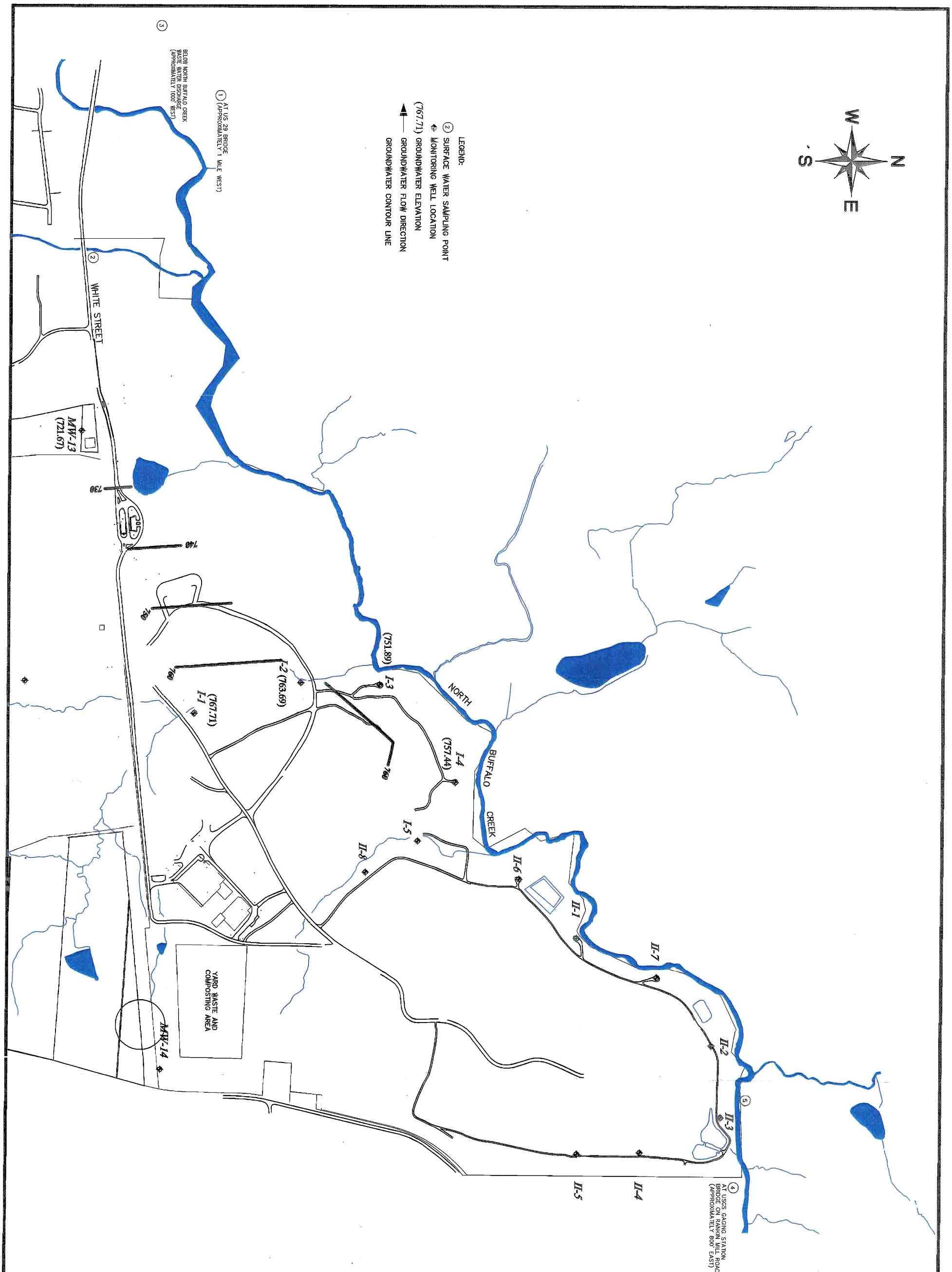
J = Parameters are estimated values between the detection limit and the NC SWSL.

ns = Title 15A NCAC 2B provides no established standard for these constituents

Yellow highlights indicate a measurement higher than the NC SWSL.

Orange highlights indicate a measurement higher than 2B standards.

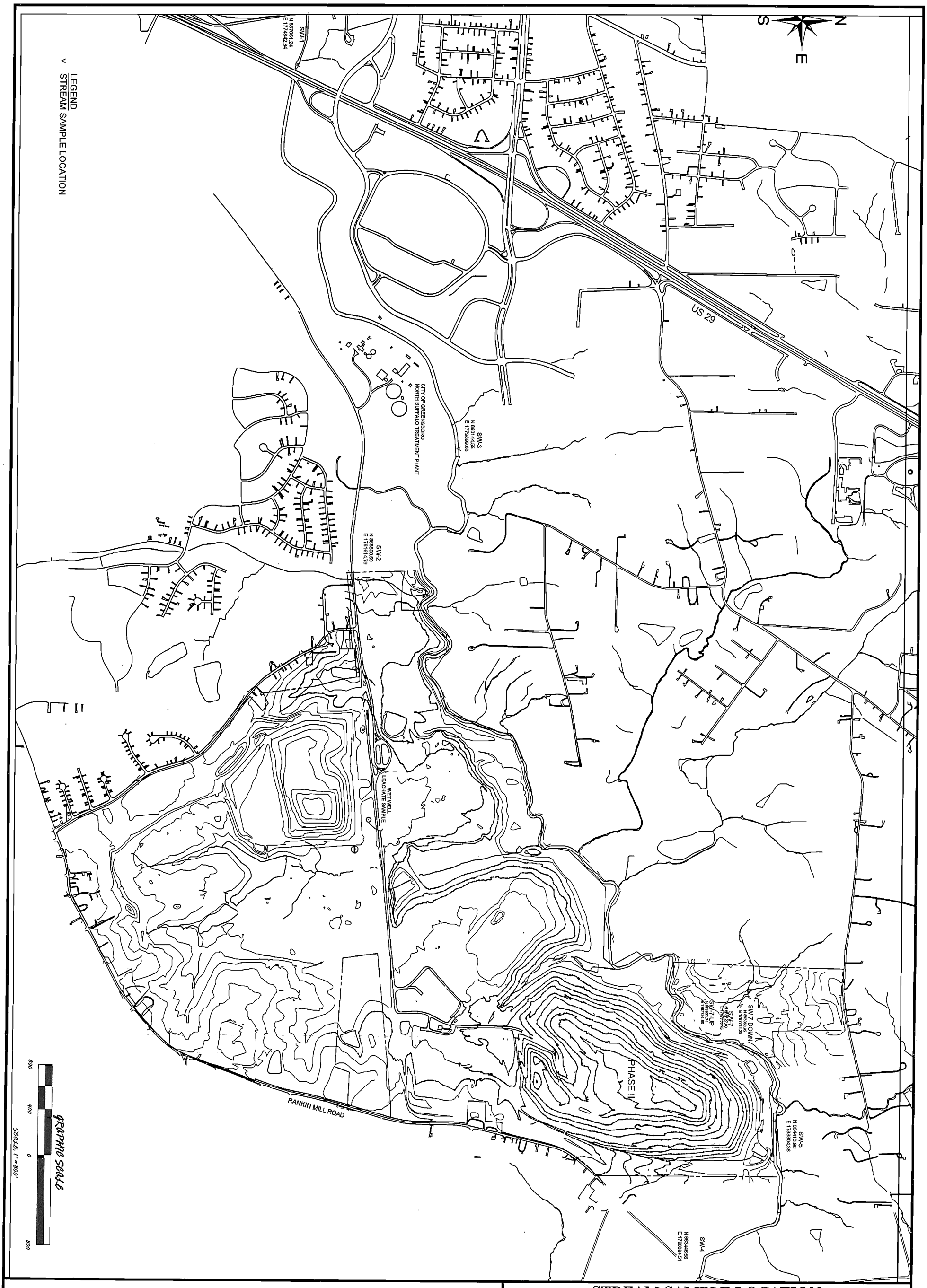
FIGURES



S&ME
ENVIRONMENTAL SERVICES
ENGINEERING · TESTING

GROUNDWATER FLOW MAP
PHASE I
WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA

SCALE:	DRAWN BY:	CHECKED BY:
AS SHOWN	RDM	CW
JOB NO.	DATE:	FIGURE NO.
1584-98-081	JUNE 2007	1



S&ME
ENVIRONMENTAL SERVICES
ENGINEERING · TESTING

STREAM SAMPLE LOCATION
PHASE I
WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA

SCALE: AS SHOWN	DRAWN BY: DSB/RDM	CHECKED BY: CW
JOB NO. 1584-98-081	DATE: DECEMBER 2006	FIGURE NO. 2

APPENDIX A

Groundwater Sampling Field Data Sheets

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Purge Date: 4/10/07
Project No.: 1584-98-081
Purge Time:
Source Well: I-1
Sample Date: 4/10/07
Locked? (Yes) No
Sample Time: 1340
(PVC) Steel Stainless
Weather: SUNNY
Sampled By: GS
Air Temp: 60°

Water Level and Well Data

Depth to water from measuring point: 8.40 feet
Depth to well bottom from measuring point: feet
Height of water column: feet
Measuring Point: TOC

Well Purging and Sample Collection

Purge Method: PUMP
Sample Method: PUMP

Sample Collection Time
Start: Stop:

Purge Time
Purge Rate: 100 mliter/min
Start: 1255 Stop: 1335
control settings: 3.1 ON 26 OFF @ 21 PSI cycles:
changes: duration:

Volume of Water in well
2" well (volume = 0.163 x h)
4" well (volume = 0.651 x h)

Volume of water removed: gallon liters

Was well purged dry: Yes (No)

Field Analyses

* *Stabilization Parameters*

Time	1300	1305	1310	1315	1320	1325	1330	1335				
Temp	16.06	15.96	15.78	15.68	15.75	15.71	15.71	15.93				
pH	5.81	5.75	5.72	5.69	5.66	5.64	5.63	5.62				
Conductivity	1.88	2.02	2.04	2.05	2.08	2.12	2.16	2.19				
ORP*	-127	-133	-134	-138	-143	-145	-139	-140				
D.O.*	2.84	2.13	1.77	1.36	1.09	.81	.65	.63				
Turbidity*	60	7.8	2.3	2.1	2.6	2.3	2.2	2.1				
ΔTGW	8.46		8.65		8.54		8.62					

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Purge Date: 4/10/07
Project No.: 1584-98-081
Purge Time:
Source Well: I-2
Sample Date: 4/10/07
Locked? (Yes) No
Sample Time: 1520
(PVC) Steel Stainless
Weather: Sunny
Sampled By: GS
Air Temp: 60°

Water Level and Well Data

Depth to water from measuring point: 4.89 feet
Depth to well bottom from measuring point: feet
Height of water column: feet
Measuring Point: TOC

Well Purging and Sample Collection

Purge Method: Pump
Sample Method: Pump
Sample Collection Time: Start ____ Stop ____
Purge Rate: 100 mliter/min
Purge Time: Start 1400 Stop 1515
control settings changes? ____
cycles ____
duration ____

Volume of Water in well
2" well (volume = 0.163 x h)
4" well (volume = 0.651 x h)

Volume of water removed: ____ gallon liters

Was well purged dry: Yes (No)

Field Analyses

* *Stabilization Parameters*

Time	1405	1410	1415	1420	1425	1430	1435	1440	1445	1450	1455	1500	1505	1510	1515	
Temp	16.44	15.80	15.62	15.59	15.57	15.47	15.75	15.60	15.52	15.28	15.28	15.46	15.49	15.78	15.79	
pH	6.17	6.19	6.20	6.19	6.20	6.19	6.18	6.18	6.18	6.20	6.20	6.20	6.20	6.19	6.19	
Conductivity	2.56	2.57	2.58	2.59	2.59	2.58	2.57	2.56	2.56	2.55	2.54	2.54	2.53	2.52	2.52	
ORP*	-185	-184	-188	-175	-194	-184	-182	-199	-178	-194	-198	-199	-196	-182	-190	
D.O.*	.54	.40	.39	.34	.37	.28	.27	.29	.33	1.02	1.11	.89	.68	.88	.80	
Turbidity*	86	191	281	341	409	456	479	393	401	425	426	422	486	478	490	
	4.95		4.90		4.93		4.90									

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill | Purge Date: 4/10/07

Project No.: 1584-98-081 | Purge Time:

Source Well: I-3 | Sample Date: 4/10/07

Locked? (Yes) No | Sample Time: 1635

(PVC) Steel Stainless | Weather: Sunny

Sampled By: GS | Air Temp: 60°

Water Level and Well Data

Depth to water from measuring point: 12.76 feet

Depth to well bottom from measuring point: feet

Height of water column: feet

Measuring Point: TOC

Well Purging and Sample Collection

Purge Method: Pump

Sample Method: Pump

Sample Collection Time: Start ____ Stop ____

Purge Rate: 100 ml liter/min

Purge Time: Start 1540 Stop 1630

control settings: 4 ON 25 OFF @ 18 PSI | cycles:

changes? | duration:

Volume of Water in well

2" well (volume = 0.163 x h)

4" well (volume = 0.651 x h)

Volume of water removed: gallon liters

Was well purged dry: Yes (No)

Field Analyses

* *Stabilization Parameters*

Time	1545	1550	1555	1600	1605	1610	1615	1620	1625	1630			
Temp	15.53	15.93	16.16	16.02	15.96	15.91	15.98	16.07	16.17	16.05			
pH	6.43	6.42	6.42	6.42	6.43	6.44	6.44	6.44	6.45	6.46			
Conductivity	2.89	2.90	2.90	2.90	2.89	2.89	2.89	2.89	2.89	2.89			
ORP*	-155	-161	-154	-153	-152	-149	-147	-146	-149	-150			
D.O.*	1.61	.90	.76	.60	.47	.40	.38	.34	.33	.34			
Turbidity*	42	9.7	11	14	20	23	25	25	27	28			
DTBW	12.88		12.89		12.78								

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Purge Date: 4/10/07
Project No.: 1584-98-081
Purge Time:
Source Well: I-4
Sample Date: 4/10/07
Locked? (Yes) No
Sample Time: 1725
(PVC) Steel Stainless
Weather: CLEAR
Sampled By: GS
Air Temp: 60°

Water Level and Well Data

Depth to water from measuring point: 2.39 feet
Depth to well bottom from measuring point: feet
Height of water column: feet
Measuring Point: TOC

Well Purging and Sample Collection

Purge Method: PUMP
Sample Method: PUMP

Sample Collection Time
Start: Stop:

Purge Time
Purge Rate: 100 m liter/min
Start: 1650 Stop:
control settings changes?
cycles: duration:

Volume of Water in well
2" well (volume = 0.163 x h)
4" well (volume = 0.651 x h)

Volume of water removed: gallon liters

Was well purged dry: Yes (No)

Field Analyses

* *Stabilization Parameters*

Time	1655	1700	1705	1710	1715	1720					
Temp	14.58	13.92	13.52	13.47	13.45	13.48					
pH	6.88	6.93	6.94	6.94	6.94	6.95					
Conductivity	2.59	2.62	2.65	2.66	2.67	2.67					
ORP*	-145	-182	-205	-214	-215	-219					
D.O.*	.96	.41	.13	.10	.09	.08					
Turbidity*	169	129	328	420	415	424					
	2.92		3.21		3.23						

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Purge Date: 4/13/07
Project No.: 1584-98-081
Purge Time:
Source Well: MW-13
Sample Date: 4/13/07
Locked? (Yes) No
Sample Time: 1100
(PVC) Steel Stainless
Weather: SUNNY / COOL
Sampled By: GS
Air Temp: 50°

Water Level and Well Data

Depth to water from measuring point: 19.63 feet
Depth to well bottom from measuring point: feet
Height of water column: feet
Measuring Point: TOC

Well Purging and Sample Collection

Purge Method: PUMP
Sample Method: PUMP

Sample Collection Time
Start: Stop:

Purge Time
Purge Rate: 100 ml liter/min
Start: 1020 Stop: 1055
control settings changes?
cycles:
duration:

Volume of Water in well
2" well (volume = 0.163 x h)
4" well (volume = 0.651 x h)

Volume of water removed: gallon liters

Was well purged dry: Yes (No)

Field Analyses

* *Stabilization Parameters*

Time	1025	1030	1035	1040	1045	1050	1055	1100				
Temp	14.30	14.40	14.52	14.66	14.57	14.53	14.57					
pH	6.44	6.37	6.34	6.34	6.33	6.34	6.35					
Conductivity	.560	.538	.528	.520	.516	.515	.514					
ORP*	-102	-106	-106	-105	-106	-107	-108					
D.O.*	5.30	4.67	4.33	4.23	4.13	3.89	3.76					
Turbidity*	46	5.6	7.9	5.5	3.5	3.1	4.1					
DTW	19.97		20.17		20.31							

S&ME
ENVIRONMENTAL SERVICES · ENGINEERING · TESTING

SURFACE WATER SAMPLING FIELD DATA

SITE NAME: White Street Landfill Date: 4/10/07

S&ME PROJECT NO. 1584-98-081 Time : 0915

SAMPLE LOCATION: SW-1 Weather: Clear

SAMPLED BY: Michael Cook

FIELD ANALYSES

Temperature 10.55

Specific Conductance .319

pH 6.24

Physical Appearance and Odor Turbidity - 1 ; Odor - none

Comments/Observations:

Clear & No odor

Note: Turbidity Scale 1-5 1= clear
5= Very turbid

Samplers Initials: MC

S&ME
ENVIRONMENTAL SERVICES · ENGINEERING · TESTING

SURFACE WATER SAMPLING FIELD DATA

SITE NAME: White Street Landfill Date: 4/10/07

S&ME PROJECT NO. 1584-98-081 Time : 0745

SAMPLE LOCATION: SW-2 Weather: Clear

SAMPLED BY: Michael Cook

FIELD ANALYSES

Temperature 8.05

Specific Conductance .289

pH 6.64

Physical Appearance and Odor Turbidity - 2 ; odor None

Comments/Observations:

No odor - Turbid ~~[illegible]~~ 2 (on a 1 to 5 scale)

Note : Turbidity scale 1 to 5
1 - No Turbidity - clear
5 - Very ~~dirty~~ Turbid - mud liquid

Samplers Initials: MC

S&ME
ENVIRONMENTAL SERVICES · ENGINEERING · TESTING

SURFACE WATER SAMPLING FIELD DATA

SITE NAME: White Street Landfill Date: 4/10/07

S&ME PROJECT NO. 1584-98-081 Time : 0840

SAMPLE LOCATION: SW-3 Weather: Clear

SAMPLED BY: Michael Cook

FIELD ANALYSES

Temperature 12.2

Specific Conductance .436

pH 6.55

Physical Appearance and Odor Turbidity-1 ; odor None

Comments/Observations:

~~Sta~~ No odor & Turbidity - 1

Note: Turbidity on 1-5 scale - 1 = Clear
5 = Very Turbid

Samplers Initials: M C

S&ME
ENVIRONMENTAL SERVICES · ENGINEERING · TESTING

SURFACE WATER SAMPLING FIELD DATA

SITE NAME: White Street Landfill Date: 4/10/07

S&ME PROJECT NO. 1584-98-081 Time : 1100

SAMPLE LOCATION: SW-4 Weather: clear

SAMPLED BY: Michael Cook

FIELD ANALYSES

Temperature 14.8°

Specific Conductance .429

pH 7.02

Physical Appearance and Odor Turbidity - 1 ; Odor - Moderate

Comments/Observations:

Turbidity Scale 1-5 1 = Clear
5 = Very Turbid

Samplers Initials: MC

S&ME
ENVIRONMENTAL SERVICES · ENGINEERING · TESTING

SURFACE WATER SAMPLING FIELD DATA

SITE NAME: White Street Landfill Date: 4/10/07

S&ME PROJECT NO. 1584-98-081 Time : 1035

SAMPLE LOCATION: SW-5 Weather: Clear

SAMPLED BY: Michael Cook

FIELD ANALYSES

Temperature 13.49

Specific Conductance .435

pH @ 7.16

Physical Appearance and Odor Turbidity - 1 ; odor None

Comments/Observations:

Note: Turbidity Scale 1-5 : 1 = clear
5 = Very Turbid.

Samplers Initials: MC

APPENDIX B

Laboratory Analytical Reports

Environmental Conservation Laboratories, Inc.
102-A Woodwinds Industrial Court
Cary NC, 27511
Phone: 919.467.3090 FAX: 919.467.3515

www.encolabs.com

Tuesday, April 24, 2007

S&ME, Inc. (SM004)
Attn: Edmund Henriques
3718 Old Battleground Rd.
Greensboro, NC 27410

RE: Project Number: [none], Project Name/Desc: White Street Landfill AppI Voa/RCRA Metals
ENCO Workorder: C704494

Dear Edmund Henriques,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Tuesday, April 10, 2007.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

This data has been produced in accordance with NELAC standards (June, 2003). This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Stephanie Franz For Chuck Smith
Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 19.

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: 4103 I-1 **Lab ID:** C704494-01

Sampled: 04/10/07 13:40 **Received:** 04/10/07 17:45

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	10/07/07	04/12/07 09:24	4/13/2007 11:09
EPA 7470A	05/08/07	04/16/07 08:38	4/16/2007 15:26
EPA 8260B	04/24/07	04/16/07 15:54	4/16/2007 19:40

Client ID: 4103 I-2 **Lab ID:** C704494-02

Sampled: 04/10/07 15:20 **Received:** 04/10/07 17:45

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	10/07/07	04/12/07 09:24	4/13/2007 11:16
EPA 7470A	05/08/07	04/16/07 08:38	4/16/2007 15:29
EPA 8260B	04/24/07	04/16/07 15:54	4/16/2007 20:06

Client ID: 4103 I-3 **Lab ID:** C704494-03

Sampled: 04/10/07 16:35 **Received:** 04/10/07 17:45

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	10/07/07	04/12/07 09:24	4/13/2007 11:23
EPA 7470A	05/08/07	04/16/07 08:38	4/16/2007 15:33
EPA 8260B	04/24/07	04/16/07 15:54	4/16/2007 20:32

Client ID: 4103 I-4 **Lab ID:** C704494-04

Sampled: 04/10/07 17:25 **Received:** 04/10/07 17:45

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	10/07/07	04/12/07 09:24	4/13/2007 11:47
EPA 7470A	05/08/07	04/16/07 08:38	4/16/2007 15:35
EPA 8260B	04/24/07	04/16/07 15:54	4/16/2007 20:58

www.encolabs.com

NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: 4103 I-1			Lab ID: C704494-01					
Analyte	Results	Qual	DF	MDL	MRL	NC SWSL	Units	Method
1,1-Dichloroethane	1.3	J	1	0.090	1.0	5	ug/L	EPA 8260B
Barium	173		1	0.20	10.0	100	ug/L	EPA 6010B
Mercury	0.14	J	1	0.11	0.20	0.2	ug/L	EPA 7470A
Methylene chloride	0.51	J	1	0.088	2.0	1	ug/L	EPA 8260B
Vinyl chloride	0.72	J	1	0.15	1.0	1	ug/L	EPA 8260B
Client ID: 4103 I-2			**Lab ID: C704494-02**					
Analyte	Results	Qual	DF	MDL	MRL	NC SWSL	Units	Method
1,2-Dichlorobenzene	1.2	J	1	0.17	1.0	5	ug/L	EPA 8260B
Barium	580		1	0.20	10.0	100	ug/L	EPA 6010B
cis-1,2-Dichloroethene	0.34	J	1	0.14	1.0	5	ug/L	EPA 8260B
Lead	6.7	J	1	2.0	10.0	10	ug/L	EPA 6010B
Vinyl chloride	0.54	J	1	0.15	1.0	1	ug/L	EPA 8260B
Client ID: 4103 I-3			**Lab ID: C704494-03**					
Analyte	Results	Qual	DF	MDL	MRL	NC SWSL	Units	Method
1,1-Dichloroethane	1.6	J	1	0.090	1.0	5	ug/L	EPA 8260B
1,2-Dichlorobenzene	0.84	J	1	0.17	1.0	5	ug/L	EPA 8260B
Acetone	33	J	1	0.90	5.0	100	ug/L	EPA 8260B
Barium	144		1	0.20	10.0	100	ug/L	EPA 6010B
cis-1,2-Dichloroethene	0.69	J	1	0.14	1.0	5	ug/L	EPA 8260B
Vinyl chloride	0.63	J	1	0.15	1.0	1	ug/L	EPA 8260B
Client ID: 4103 I-4			**Lab ID: C704494-04**					
Analyte	Results	Qual	DF	MDL	MRL	NC SWSL	Units	Method
1,2-Dichlorobenzene	0.60	J	1	0.17	1.0	5	ug/L	EPA 8260B
1,4-Dichlorobenzene	6.9		1	0.15	1.0	1	ug/L	EPA 8260B
Acetone	1.4	J	1	0.90	5.0	100	ug/L	EPA 8260B
Barium	624		1	0.20	10.0	100	ug/L	EPA 6010B
Chlorobenzene	11		1	0.16	1.0	3	ug/L	EPA 8260B
Lead	2.9	J	1	2.0	10.0	10	ug/L	EPA 6010B

ANALYTICAL REPORT

Sample ID:	4103 I-1	Project:	White Street Landfill Appl Voa/RCRA Met
Lab #:	C704494-01	Work Order #:	C704494
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/16/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D16016		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	**1.3** J	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	**0.51** J	0.088	2.0	1	ug/L

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	4103 I-1	Project:	White Street Landfill Appl Voa/RCRA Met
Lab #:	C704494-01	Work Order #:	C704494
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/16/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D16016		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	**0.72** J	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	66 S-GC	50.0	133 %	67-125
Dibromofluoromethane	1868-53-7	48	50.0	96 %	69-111
Toluene-d8	2037-26-5	54	50.0	107 %	85-120

www.encolabs.com

ANALYTICAL REPORT

Sample ID: 4103 I-1
Lab #: C704494-01

Project: White Street Landfill Appl Voa/RCRA Met
Work Order #: C704494
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Arsenic	7440-38-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12005
Barium	7440-39-3	**173**	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D12005
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D12005
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12005
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12005
Mercury	7439-97-6	**0.14** J	1	0.11	0.20	0.2	ug/L	EPA 7470A	EPA 7470A	7D16006
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12005
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12005

ANALYTICAL REPORT

Sample ID:	4103 I-2	Project:	White Street Landfill Appl Voa/RCRA Met
Lab #:	C704494-02	Work Order #:	C704494
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/16/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D16016		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	**1.2** J	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	**0.34** J	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L

ANALYTICAL REPORT

Sample ID:	4103 I-2	Project:	White Street Landfill AppI Voa/RCRA Met
Lab #:	C704494-02	Work Order #:	C704494
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/16/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D16016		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	**0.54** J	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	65 S-GC	50.0	129 %	67-125
Dibromofluoromethane	1868-53-7	44	50.0	89 %	69-111
Toluene-d8	2037-26-5	55	50.0	110 %	85-120

ANALYTICAL REPORT

Sample ID: 4103 I-2
Lab #: C704494-02

Project: White Street Landfill Appl Voa/RCRA Met
Work Order #: C704494
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Arsenic	7440-38-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12005
Barium	7440-39-3	**580**	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D12005
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D12005
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12005
Lead	7439-92-1	**6.7** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12005
Mercury	7439-97-6	0.11 U	1	0.11	0.20	0.2	ug/L	EPA 7470A	EPA 7470A	7D16006
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12005
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12005

ANALYTICAL REPORT

Sample ID:	4103 I-3	Project:	White Street Landfill Appl Voa/RCRA Met
Lab #:	C704494-03	Work Order #:	C704494
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/16/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D16016		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	**1.6** J	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	**0.84** J	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	**33** J	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	**0.69** J	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	4103 I-3	Project:	White Street Landfill Appl Voa/RCRA Met
Lab #:	C704494-03	Work Order #:	C704494
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/16/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D16016		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	**0.63** J	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	66 S-GC	50.0	131 %	67-125
Dibromofluoromethane	1868-53-7	45	50.0	91 %	69-111
Toluene-d8	2037-26-5	53	50.0	106 %	85-120

www.encolabs.com

ANALYTICAL REPORT

Sample ID: 4103 I-3
Lab #: C704494-03

Project: White Street Landfill Appl Voa/RCRA Met
Work Order #: C704494
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Arsenic	7440-38-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12005
Barium	7440-39-3	**144**	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D12005
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D12005
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12005
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12005
Mercury	7439-97-6	0.11 U	1	0.11	0.20	0.2	ug/L	EPA 7470A	EPA 7470A	7D16006
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12005
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12005

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	4103 I-4	Project:	White Street Landfill Appl Voa/RCRA Met
Lab #:	C704494-04	Work Order #:	C704494
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/16/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D16016		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	**0.60** J	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	**6.9**	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	**1.4** J	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	**11**	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	4103 I-4	Project:	White Street Landfill Appl Voa/RCRA Met
Lab #:	C704494-04	Work Order #:	C704494
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/16/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D16016		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	65 S-GC	50.0	130 %	67-125
Dibromofluoromethane	1868-53-7	44	50.0	88 %	69-111
Toluene-d8	2037-26-5	53	50.0	107 %	85-120

www.encolabs.com

ANALYTICAL REPORT

Sample ID: 4103 I-4
Lab #: C704494-04

Project: White Street Landfill Appl Voa/RCRA Met
Work Order #: C704494
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Arsenic	7440-38-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12005
Barium	7440-39-3	**624**	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D12005
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D12005
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12005
Lead	7439-92-1	**2.9** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12005
Mercury	7439-97-6	0.11 U	1	0.11	0.20	0.2	ug/L	EPA 7470A	EPA 7470A	7D16006
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12005
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12005

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes

Volatile Organic Compounds by GCMS - Quality Control

Batch 7D16016 - EPA 5030B_MS

Blank (7D16016-BLK1) Prepared: 04/16/2007 11:14 Analyzed: 04/16/2007 12:45

Acetone	0.90 U	5.0	ug/L
Acrylonitrile	2.0 U	5.0	ug/L
Benzene	0.12 U	1.0	ug/L
2-Butanone	0.56 U	5.0	ug/L
2-Hexanone	0.24 U	5.0	ug/L
Iodomethane	0.23 U	2.0	ug/L
Tetrachloroethene	0.25 U	1.0	ug/L
4-Methyl-2-pentanone	0.36 U	5.0	ug/L
Bromochloromethane	0.19 U	1.0	ug/L
Trichloroethene	0.23 U	1.0	ug/L
Bromodichloromethane	0.19 U	0.40	ug/L
Bromoform	0.36 U	1.0	ug/L
Bromomethane	0.21 U	1.0	ug/L
Carbon disulfide	0.12 U	5.0	ug/L
Carbon tetrachloride	0.38 U	1.0	ug/L
Chlorobenzene	0.16 U	1.0	ug/L
Chloroethane	0.40 U	1.0	ug/L
Chloroform	0.16 U	1.0	ug/L
Chloromethane	0.18 U	1.0	ug/L
Dibromochloromethane	0.18 U	1.0	ug/L
1,2-Dibromo-3-chloropropane	0.19 U	1.0	ug/L
1,2-Dibromoethane	0.19 U	1.0	ug/L
Dibromomethane	0.14 U	1.0	ug/L
1,2-Dichlorobenzene	0.17 U	1.0	ug/L
1,4-Dichlorobenzene	0.15 U	1.0	ug/L
trans-1,4-Dichloro-2-butene	0.60 U	1.0	ug/L
1,1-Dichloroethane	0.090 U	1.0	ug/L
1,2-Dichloroethane	0.36 U	1.0	ug/L
1,1-Dichloroethene	0.14 U	1.0	ug/L
cis-1,2-Dichloroethene	0.14 U	1.0	ug/L
trans-1,2-Dichloroethene	0.10 U	1.0	ug/L
1,2-Dichloropropane	0.18 U	1.0	ug/L
cis-1,3-Dichloropropene	0.16 U	0.20	ug/L
trans-1,3-Dichloropropene	0.18 U	0.20	ug/L
Ethylbenzene	0.17 U	1.0	ug/L
Methylene chloride	0.088 U	2.0	ug/L
Styrene	0.12 U	1.0	ug/L
1,1,1,2-Tetrachloroethane	0.16 U	1.0	ug/L
1,1,2,2-Tetrachloroethane	0.27 U	1.0	ug/L
Toluene	0.15 U	1.0	ug/L
1,1,1-Trichloroethane	0.24 U	1.0	ug/L
1,1,2-Trichloroethane	0.24 U	1.0	ug/L
Trichlorofluoromethane	0.16 U	1.0	ug/L
1,2,3-Trichloropropane	0.32 U	1.0	ug/L
Vinyl acetate	0.19 U	2.0	ug/L

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Volatile Organic Compounds by GCMS - Quality Control										
Batch 7D16016 - EPA 5030B_MS										
Blank (7D16016-BLK1) Continued				Prepared: 04/16/2007 11:14 Analyzed: 04/16/2007 12:45						
Vinyl chloride	0.15 U	1.0	ug/L							
m,p-Xylenes	0.21 U	2.0	ug/L							
o-Xylene	0.14 U	1.0	ug/L							
LCS (7D16016-BS1)				Prepared: 04/16/2007 11:14 Analyzed: 04/16/2007 13:11						
Benzene	17	1.0	ug/L	20.0		86	76-116			
Trichloroethene	20	1.0	ug/L	20.0		98	81-118			
Chlorobenzene	19	1.0	ug/L	20.0		93	75-115			
1,1-Dichloroethene	16	1.0	ug/L	20.0		81	57-141			
Toluene	16	1.0	ug/L	20.0		81	77-120			
Matrix Spike (7D16016-MS1)		**Source: C705004-08**		Prepared: 04/16/2007 11:14 Analyzed: 04/16/2007 13:37						
Benzene	20	1.0	ug/L	20.0	0.12 U	100	76-116			
Trichloroethene	21	1.0	ug/L	20.0	0.23 U	105	81-118			
Chlorobenzene	20	1.0	ug/L	20.0	0.16 U	101	75-115			
1,1-Dichloroethene	18	1.0	ug/L	20.0	0.14 U	88	57-141			
Toluene	19	1.0	ug/L	20.0	0.15 U	93	77-120			
Matrix Spike Dup (7D16016-MSD1)		**Source: C705004-08**		Prepared: 04/16/2007 11:14 Analyzed: 04/16/2007 14:03						
Benzene	20	1.0	ug/L	20.0	0.12 U	98	76-116	2	14	
Trichloroethene	21	1.0	ug/L	20.0	0.23 U	105	81-118	0.3	11	
Chlorobenzene	22	1.0	ug/L	20.0	0.16 U	108	75-115	7	12	
1,1-Dichloroethene	19	1.0	ug/L	20.0	0.14 U	95	57-141	8	12	
Toluene	20	1.0	ug/L	20.0	0.15 U	99	77-120	7	17	
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 7D12005 - EPA 3005A										
Blank (7D12005-BLK1)				Prepared: 04/12/2007 09:24 Analyzed: 04/13/2007 10:11						
Arsenic	2.0 U	10.0	ug/L							
Barium	0.20 U	10.0	ug/L							
Cadmium	0.50 U	1.00	ug/L							
Chromium	2.0 U	10.0	ug/L							
Lead	2.0 U	10.0	ug/L							
Selenium	2.0 U	10.0	ug/L							
Silver	2.0 U	10.0	ug/L							
LCS (7D12005-BS1)				Prepared: 04/12/2007 09:24 Analyzed: 04/13/2007 10:22						
Arsenic	958	10.0	ug/L	1000		96	82-117			
Barium	1060	10.0	ug/L	1000		106	72-125			
Cadmium	477	1.00	ug/L	500		95	72-120			
Chromium	936	10.0	ug/L	1000		94	78-119			
Lead	947	10.0	ug/L	1000		95	72-121			
Selenium	980	10.0	ug/L	1000		98	82-127			
Silver	93.5	10.0	ug/L	100		94	80-128			
Matrix Spike (7D12005-MS1)		**Source: C705059-01**		Prepared: 04/12/2007 09:24 Analyzed: 04/13/2007 10:38						
Arsenic	929	10.0	ug/L	1000	3.3	93	64-126			
Barium	1090	10.0	ug/L	1000	67.2	102	74-119			
Cadmium	459	1.00	ug/L	500	0.50 U	92	68-121			

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 7D12005 - EPA 3005A										
Matrix Spike (7D12005-MS1) Continued		**Source: C705059-01**		Prepared: 04/12/2007 09:24 Analyzed: 04/13/2007 10:38						
Chromium	951	10.0	ug/L	1000	55.1	90	73-120			
Lead	928	10.0	ug/L	1000	10.2	92	68-126			
Selenium	942	10.0	ug/L	1000	2.0 U	94	65-129			
Silver	91.0	10.0	ug/L	100	2.0 U	91	69-121			
Matrix Spike Dup (7D12005-MSD1)		**Source: C705059-01**		Prepared: 04/12/2007 09:24 Analyzed: 04/13/2007 10:45						
Arsenic	1010	10.0	ug/L	1000	3.3	101	64-126	8	12	
Barium	1190	10.0	ug/L	1000	67.2	112	74-119	8	11	
Cadmium	500	1.00	ug/L	500	0.50 U	100	68-121	9	12	
Chromium	1040	10.0	ug/L	1000	55.1	99	73-120	9	10	
Lead	1000	10.0	ug/L	1000	10.2	99	68-126	8	19	
Selenium	1020	10.0	ug/L	1000	2.0 U	102	65-129	8	10	
Silver	97.3	10.0	ug/L	100	2.0 U	97	69-121	7	12	
Batch 7D16006 - EPA 7470A										
Blank (7D16006-BLK1)				Prepared: 04/16/2007 08:38 Analyzed: 04/16/2007 14:16						
Mercury	0.11 U	0.20	ug/L							
LCS (7D16006-BS1)				Prepared: 04/16/2007 08:38 Analyzed: 04/16/2007 14:23						
Mercury	4.59	0.20	ug/L	5.00		92	87-123			
Matrix Spike (7D16006-MS1)		**Source: C703502-02**		Prepared: 04/16/2007 08:38 Analyzed: 04/16/2007 14:28						
Mercury	4.44	0.20	ug/L	5.00	0.11 U	89	63-132			
Matrix Spike Dup (7D16006-MSD1)		**Source: C703502-02**		Prepared: 04/16/2007 08:38 Analyzed: 04/16/2007 14:31						
Mercury	4.30	0.20	ug/L	5.00	0.11 U	86	63-132	3	10	
Post Spike (7D16006-PS1)		**Source: C703502-02**		Prepared: 04/16/2007 08:38 Analyzed: 04/16/2007 14:36						
Mercury	4.19 QM-08	0.20	ug/L	5.00	0.11	82	85-115			QM-08

NOTES AND DEFINITIONS

J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
QM-08	Post-digestion spike did not meet method requirements due to confirmed matrix effects (dilution test).
S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
U	Analyte included in the analysis, but not detected

LABORATORY CERTIFICATION SUMMARY

Analysis	Matrix	Cert ID	Cert Number
8260B Appendix 1	Water	NC	591
Arsenic Total EPA 6010B	Water	NC	591
Barium Total EPA 6010B	Water	NC	591
Cadmium Total EPA 6010B	Water	NC	591
Chromium Total EPA 6010B	Water	NC	591
Lead Total EPA 6010B	Water	NC	591
Mercury Total EPA 7470A	Water	NC	591
Selenium Total EPA 6010B	Water	NC	591
Silver Total EPA 6010B	Water	NC	591

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

10775 Central Port Dr.
Orlando, FL 32824
(407) 826-5314 Fax (407) 850-6945

4810 Executive Park Court, Suite 211
Jacksonville, FL 32216-6069
(904) 296-3007 Fax (904) 296-6210

1015 Passport Way
Cary, NC 27513
(919) 677-1669 Fax (919) 677-9846

Client Name: S&ME, Inc. (SM004)	Project Number: [none]
Address: 3718 Old Battleground Rd.	Project Name/Desc: White Street Landfill Appl Voa/RCRA Metals
City/ST/Zip: Greensboro, NC 27410	PO # / Billing Info: 14742
Tel: (336) 288-7180 Fax: (336) 288-8980	Reporting Contact: Edmund Henriques
Sampler(s) Name, Affiliation (Print): Gary Simcox	Billing Contact: Accounts Payable
Sampler(s) Signature:	Facility # (if required):

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

___ Standard

___ Expedited

Due ___/___/___

Lab Workorder: C704494

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	Requested Analyses: 8260B Appendix 1	Requested Analyses: Ag,As,Ba,Cd,Cr,Hg,Pb,Se	Sample Comments
	4103 I-1	4/10/07	1340	G	Water	4	X	X	
	4103 I-2	4/10/07	1520	G	Water	4	X	X	
	4103 I-3	4/10/07	1635	G	Water	4	X	X	
	4103 I-4	4/10/07	1725	G	Water	4	X	X	

Preservation (See Codes) (Combine as necessary)

<-- Total # of Containers

Sample Kit Prepared By: CAREY	Date/Time: 4/4/07	Relinquished By:	Date/Time: 4/10/07 1745	Received By: James Hays	Date/Time: 4/10/07 1745
Comments:		Relinquished By:	Date/Time:	Received By:	Date/Time:
		Relinquished By:	Date/Time:	Received By:	Date/Time:
		Cooler #'s & Temps on Receipt: 2.0°C		Condition Upon Receipt: ___ Acceptable ___ Unacceptable	

Matrix : GW-Groundwater SO-Soil SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments)

Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

Note : All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist

ANALYTICAL REPORT

Sample ID:	4103 MW-13	Project:	White Street Landfill App Is
Lab #:	C704492-11	Work Order #:	C704492
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/26/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D25025		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L

ANALYTICAL REPORT

Sample ID:	4103 MW-13	Project:	White Street Landfill App Is
Lab #:	C704492-11	Work Order #:	C704492
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/26/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D25025		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	65 S-GC	50.0	129 %	67-125
Dibromofluoromethane	1868-53-7	42	50.0	84 %	69-111
Toluene-d8	2037-26-5	52	50.0	105 %	85-120

ANALYTICAL REPORT

Sample ID: 4103 MW-13
Lab #: C704492-11

Project: White Street Landfill App Is
Work Order #: C704492
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D16014
Arsenic	7440-38-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D17006
Barium	7440-39-3	**120**	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D17006
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D17006
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D17006
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D17006
Cobalt	7440-48-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D17006
Copper	7440-50-8	**1.20** J	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D17006
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D17006
Nickel	7440-02-0	2.0 U	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D17006
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D17006
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D17006
Thallium	7440-28-0	0.044 U	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D16014
Vanadium	7440-62-2	**3.4** J	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D17006
Zinc	7440-66-6	**2.2** J	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D17006

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes

Volatile Organic Compounds by GCMS - Quality Control

Batch 7D23026 - EPA 5030B_MS

Blank (7D23026-BLK1) Prepared: 04/23/2007 14:41 Analyzed: 04/24/2007 02:19

Acetone	0.90 U	5.0	ug/L
Acrylonitrile	2.0 U	5.0	ug/L
Benzene	0.12 U	1.0	ug/L
2-Butanone	0.56 U	5.0	ug/L
2-Hexanone	0.24 U	5.0	ug/L
Iodomethane	0.23 U	2.0	ug/L
Tetrachloroethene	0.25 U	1.0	ug/L
4-Methyl-2-pentanone	0.36 U	5.0	ug/L
Bromochloromethane	0.19 U	1.0	ug/L
Trichloroethene	0.23 U	1.0	ug/L
Bromodichloromethane	0.19 U	0.40	ug/L
Bromoform	0.36 U	1.0	ug/L
Bromomethane	0.21 U	1.0	ug/L
Carbon disulfide	0.12 U	5.0	ug/L
Carbon tetrachloride	0.38 U	1.0	ug/L
Chlorobenzene	0.16 U	1.0	ug/L
Chloroethane	0.40 U	1.0	ug/L
Chloroform	0.16 U	1.0	ug/L
Chloromethane	0.18 U	1.0	ug/L
Dibromochloromethane	0.18 U	1.0	ug/L
1,2-Dibromo-3-chloropropane	0.19 U	1.0	ug/L
1,2-Dibromoethane	0.19 U	1.0	ug/L
Dibromomethane	0.14 U	1.0	ug/L
1,2-Dichlorobenzene	0.17 U	1.0	ug/L
1,4-Dichlorobenzene	0.15 U	1.0	ug/L
trans-1,4-Dichloro-2-butene	0.60 U	1.0	ug/L
1,1-Dichloroethane	0.090 U	1.0	ug/L
1,2-Dichloroethane	0.36 U	1.0	ug/L
1,1-Dichloroethene	0.14 U	1.0	ug/L
cis-1,2-Dichloroethene	0.14 U	1.0	ug/L
trans-1,2-Dichloroethene	0.10 U	1.0	ug/L
1,2-Dichloropropane	0.18 U	1.0	ug/L
cis-1,3-Dichloropropene	0.16 U	0.20	ug/L
trans-1,3-Dichloropropene	0.18 U	0.20	ug/L
Ethylbenzene	0.17 U	1.0	ug/L
Methylene chloride	0.088 U	2.0	ug/L
Styrene	0.12 U	1.0	ug/L
1,1,1,2-Tetrachloroethane	0.16 U	1.0	ug/L
1,1,2,2-Tetrachloroethane	0.27 U	1.0	ug/L
Toluene	0.15 U	1.0	ug/L
1,1,1-Trichloroethane	0.24 U	1.0	ug/L
1,1,2-Trichloroethane	0.24 U	1.0	ug/L
Trichlorofluoromethane	0.16 U	1.0	ug/L
1,2,3-Trichloropropane	0.32 U	1.0	ug/L
Vinyl acetate	0.19 U	2.0	ug/L

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Volatile Organic Compounds by GCMS - Quality Control										
Batch 7D23026 - EPA 5030B_MS										
Blank (7D23026-BLK1) Continued				Prepared: 04/23/2007 14:41 Analyzed: 04/24/2007 02:19						
Vinyl chloride	0.15 U	1.0	ug/L							
m,p-Xylenes	0.21 U	2.0	ug/L							
o-Xylene	0.14 U	1.0	ug/L							
LCS (7D23026-BS1)				Prepared: 04/23/2007 14:41 Analyzed: 04/24/2007 02:45						
Benzene	19	1.0	ug/L	20.0		96	76-116			
Trichloroethene	21	1.0	ug/L	20.0		106	81-118			
Chlorobenzene	20	1.0	ug/L	20.0		99	75-115			
1,1-Dichloroethene	18	1.0	ug/L	20.0		91	57-141			
Toluene	17	1.0	ug/L	20.0		87	77-120			
Matrix Spike (7D23026-MS1)		**Source: C704358-16**		Prepared: 04/23/2007 14:41 Analyzed: 04/24/2007 10:42						**QM-4X**
Benzene	220 D	10	ug/L	20.0		NR	76-116			D
Trichloroethene	210 D	10	ug/L	20.0		NR	81-118			D
Chlorobenzene	190 D	10	ug/L	20.0		958	75-115			D
1,1-Dichloroethene	180 D	10	ug/L	20.0		886	57-141			D
Toluene	980 D	10	ug/L	20.0		NR	77-120			D
Matrix Spike Dup (7D23026-MSD1)		**Source: C704358-16**		Prepared: 04/23/2007 14:41 Analyzed: 04/24/2007 11:09						**QM-4X**
Benzene	220 D	10	ug/L	20.0		NR	76-116	1	14	D
Trichloroethene	200 D	10	ug/L	20.0		1000	81-118	6	11	D
Chlorobenzene	200 D	10	ug/L	20.0		986	75-115	3	12	D
1,1-Dichloroethene	170 D	10	ug/L	20.0		826	57-141	7	12	D
Toluene	970 D	10	ug/L	20.0		NR	77-120	1	17	D
Batch 7D25011 - EPA 5030B_MS										
Blank (7D25011-BLK1)				Prepared: 04/25/2007 12:00 Analyzed: 04/25/2007 12:10						
Acetone	0.90 U	5.0	ug/L							
Acrylonitrile	2.0 U	5.0	ug/L							
Benzene	0.12 U	1.0	ug/L							
2-Butanone	0.56 U	5.0	ug/L							
2-Hexanone	0.24 U	5.0	ug/L							
Iodomethane	0.23 U	2.0	ug/L							
Tetrachloroethene	0.25 U	1.0	ug/L							
4-Methyl-2-pentanone	0.36 U	5.0	ug/L							
Bromochloromethane	0.19 U	1.0	ug/L							
Trichloroethene	0.23 U	1.0	ug/L							
Bromodichloromethane	0.19 U	0.40	ug/L							
Bromoform	0.36 U	1.0	ug/L							
Bromomethane	0.21 U	1.0	ug/L							
Carbon disulfide	0.12 U	5.0	ug/L							
Carbon tetrachloride	0.38 U	1.0	ug/L							
Chlorobenzene	0.16 U	1.0	ug/L							
Chloroethane	0.40 U	1.0	ug/L							
Chloroform	0.16 U	1.0	ug/L							
Chloromethane	0.18 U	1.0	ug/L							
Dibromochloromethane	0.18 U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.19 U	1.0	ug/L							

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Volatile Organic Compounds by GCMS - Quality Control										
Batch 7D25011 - EPA 5030B_MS										
Blank (7D25011-BLK1) Continued				Prepared: 04/25/2007 12:00 Analyzed: 04/25/2007 12:10						
1,2-Dibromoethane	0.19 U	1.0	ug/L							
Dibromomethane	0.14 U	1.0	ug/L							
1,2-Dichlorobenzene	0.17 U	1.0	ug/L							
1,4-Dichlorobenzene	0.15 U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.60 U	1.0	ug/L							
1,1-Dichloroethane	0.090 U	1.0	ug/L							
1,2-Dichloroethane	0.36 U	1.0	ug/L							
1,1-Dichloroethene	0.14 U	1.0	ug/L							
cis-1,2-Dichloroethene	0.14 U	1.0	ug/L							
trans-1,2-Dichloroethene	0.10 U	1.0	ug/L							
1,2-Dichloropropane	0.18 U	1.0	ug/L							
cis-1,3-Dichloropropene	0.16 U	0.20	ug/L							
trans-1,3-Dichloropropene	0.18 U	0.20	ug/L							
Ethylbenzene	0.17 U	1.0	ug/L							
Methylene chloride	0.088 U	2.0	ug/L							
Styrene	0.12 U	1.0	ug/L							
1,1,1,2-Tetrachloroethane	0.16 U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.27 U	1.0	ug/L							
Toluene	0.15 U	1.0	ug/L							
1,1,1-Trichloroethane	0.24 U	1.0	ug/L							
1,1,2-Trichloroethane	0.24 U	1.0	ug/L							
Trichlorofluoromethane	0.16 U	1.0	ug/L							
1,2,3-Trichloropropane	0.32 U	1.0	ug/L							
Vinyl acetate	0.19 U	2.0	ug/L							
Vinyl chloride	0.15 U	1.0	ug/L							
m,p-Xylenes	0.21 U	2.0	ug/L							
o-Xylene	0.14 U	1.0	ug/L							
LCS (7D25011-BS1)				Prepared: 04/25/2007 12:30 Analyzed: 04/25/2007 12:36						
Benzene	19	1.0	ug/L	20.0		93	76-116			
Trichloroethene	20	1.0	ug/L	20.0		99	81-118			
Chlorobenzene	20	1.0	ug/L	20.0		100	75-115			
1,1-Dichloroethene	17	1.0	ug/L	20.0		84	57-141			
Toluene	18	1.0	ug/L	20.0		91	77-120			
Matrix Spike (7D25011-MS1)		**Source: C705620-04**		Prepared: 04/25/2007 12:56 Analyzed: 04/25/2007 13:02						
Benzene	19	1.0	ug/L	20.0	0.12 U	95	76-116			
Trichloroethene	19	1.0	ug/L	20.0	0.23 U	97	81-118			
Chlorobenzene	19	1.0	ug/L	20.0	0.16 U	95	75-115			
1,1-Dichloroethene	16	1.0	ug/L	20.0	0.14 U	79	57-141			
Toluene	17	1.0	ug/L	20.0	0.15 U	84	77-120			
Matrix Spike Dup (7D25011-MSD1)		**Source: C705620-04**		Prepared: 04/25/2007 12:56 Analyzed: 04/25/2007 13:28						
Benzene	18	1.0	ug/L	20.0	0.12 U	89	76-116	6	14	
Trichloroethene	19	1.0	ug/L	20.0	0.23 U	93	81-118	4	11	
Chlorobenzene	19	1.0	ug/L	20.0	0.16 U	93	75-115	2	12	
1,1-Dichloroethene	15	1.0	ug/L	20.0	0.14 U	76	57-141	3	12	

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Volatile Organic Compounds by GCMS - Quality Control										
Batch 7D25011 - EPA 5030B_MS										
Matrix Spike Dup (7D25011-MSD1) Continued	**Source: C705620-04**			Prepared: 04/25/2007 12:56 Analyzed: 04/25/2007 13:28						
Toluene	17	1.0	ug/L	20.0	0.15 U	85	77-120	0.3	17	
Batch 7D25025 - EPA 5030B_MS										
Blank (7D25025-BLK1)				Prepared: 04/25/2007 14:34 Analyzed: 04/25/2007 23:58						
Acetone	0.90 U	5.0	ug/L							
Acrylonitrile	2.0 U	5.0	ug/L							
Benzene	0.12 U	1.0	ug/L							
2-Butanone	0.56 U	5.0	ug/L							
2-Hexanone	0.24 U	5.0	ug/L							
Iodomethane	0.23 U	2.0	ug/L							
Tetrachloroethene	0.25 U	1.0	ug/L							
4-Methyl-2-pentanone	0.36 U	5.0	ug/L							
Bromochloromethane	0.19 U	1.0	ug/L							
Trichloroethene	0.23 U	1.0	ug/L							
Bromodichloromethane	0.19 U	0.40	ug/L							
Bromoform	0.36 U	1.0	ug/L							
Bromomethane	0.21 U	1.0	ug/L							
Carbon disulfide	0.12 U	5.0	ug/L							
Carbon tetrachloride	0.38 U	1.0	ug/L							
Chlorobenzene	0.16 U	1.0	ug/L							
Chloroethane	0.40 U	1.0	ug/L							
Chloroform	0.16 U	1.0	ug/L							
Chloromethane	0.18 U	1.0	ug/L							
Dibromochloromethane	0.18 U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.19 U	1.0	ug/L							
1,2-Dibromoethane	0.19 U	1.0	ug/L							
Dibromomethane	0.14 U	1.0	ug/L							
1,2-Dichlorobenzene	0.17 U	1.0	ug/L							
1,4-Dichlorobenzene	0.15 U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.60 U	1.0	ug/L							
1,1-Dichloroethane	0.090 U	1.0	ug/L							
1,2-Dichloroethane	0.36 U	1.0	ug/L							
1,1-Dichloroethene	0.14 U	1.0	ug/L							
cis-1,2-Dichloroethene	0.14 U	1.0	ug/L							
trans-1,2-Dichloroethene	0.10 U	1.0	ug/L							
1,2-Dichloropropane	0.18 U	1.0	ug/L							
cis-1,3-Dichloropropene	0.16 U	0.20	ug/L							
trans-1,3-Dichloropropene	0.18 U	0.20	ug/L							
Ethylbenzene	0.17 U	1.0	ug/L							
Methylene chloride	0.088 U	2.0	ug/L							
Styrene	0.12 U	1.0	ug/L							
1,1,1,2-Tetrachloroethane	0.16 U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.27 U	1.0	ug/L							
Toluene	0.15 U	1.0	ug/L							
1,1,1-Trichloroethane	0.24 U	1.0	ug/L							

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Volatile Organic Compounds by GCMS - Quality Control										
Batch 7D25025 - EPA 5030B_MS										
Blank (7D25025-BLK1) Continued				Prepared: 04/25/2007 14:34 Analyzed: 04/25/2007 23:58						
1,1,2-Trichloroethane	0.24 U	1.0	ug/L							
Trichlorofluoromethane	0.16 U	1.0	ug/L							
1,2,3-Trichloropropane	0.32 U	1.0	ug/L							
Vinyl acetate	0.19 U	2.0	ug/L							
Vinyl chloride	0.15 U	1.0	ug/L							
m,p-Xylenes	0.21 U	2.0	ug/L							
o-Xylene	0.14 U	1.0	ug/L							
LCS (7D25025-BS1)				Prepared: 04/25/2007 14:34 Analyzed: 04/26/2007 00:24						
Benzene	19	1.0	ug/L	20.0		95	76-116			
Trichloroethene	21	1.0	ug/L	20.0		103	81-118			
Chlorobenzene	20	1.0	ug/L	20.0		99	75-115			
1,1-Dichloroethene	17	1.0	ug/L	20.0		84	57-141			
Toluene	18	1.0	ug/L	20.0		88	77-120			
Matrix Spike (7D25025-MS1)		**Source: C705620-05**		Prepared: 04/25/2007 14:34 Analyzed: 04/26/2007 00:50						
Benzene	19	1.0	ug/L	20.0	0.12 U	94	76-116			
Trichloroethene	21	1.0	ug/L	20.0	0.23 U	103	81-118			
Chlorobenzene	20	1.0	ug/L	20.0	0.16 U	102	75-115			
1,1-Dichloroethene	17	1.0	ug/L	20.0	0.14 U	85	57-141			
Toluene	18	1.0	ug/L	20.0	0.15 U	89	77-120			
Matrix Spike Dup (7D25025-MSD1)		**Source: C705620-05**		Prepared: 04/25/2007 14:34 Analyzed: 04/26/2007 01:16						
Benzene	19	1.0	ug/L	20.0	0.12 U	95	76-116	1	14	
Trichloroethene	20	1.0	ug/L	20.0	0.23 U	102	81-118	0.7	11	
Chlorobenzene	20	1.0	ug/L	20.0	0.16 U	99	75-115	3	12	
1,1-Dichloroethene	16	1.0	ug/L	20.0	0.14 U	80	57-141	6	12	
Toluene	18	1.0	ug/L	20.0	0.15 U	89	77-120	0.5	17	
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 7D16014 - EPA 3005A										
Blank (7D16014-BLK1)				Prepared: 04/16/2007 10:29 Analyzed: 04/17/2007 12:44						
Antimony	0.58 U	2.00	ug/L							
Thallium	0.044 U	0.050	ug/L							
LCS (7D16014-BS1)				Prepared: 04/16/2007 10:29 Analyzed: 04/17/2007 12:46						
Antimony	44.1	2.00	ug/L	50.0		88	80-120			
Thallium	43.1	0.050	ug/L	50.0		86	80-120			
Matrix Spike (7D16014-MS1)		**Source: C704492-01**		Prepared: 04/16/2007 10:29 Analyzed: 04/17/2007 12:51						
Antimony	52.5	2.00	ug/L	50.0	0.58 U	105	70-130			
Thallium	43.5	0.050	ug/L	50.0	0.044 U	87	70-130			
Matrix Spike Dup (7D16014-MSD1)		**Source: C704492-01**		Prepared: 04/16/2007 10:29 Analyzed: 04/17/2007 12:54						
Antimony	55.7	2.00	ug/L	50.0	0.58 U	111	70-130	6	20	
Thallium	46.4	0.050	ug/L	50.0	0.044 U	93	70-130	6	20	
Batch 7D17006 - EPA 3005A										
Blank (7D17006-BLK1)				Prepared: 04/17/2007 09:03 Analyzed: 04/19/2007 10:54						
Arsenic	2.4 J	10.0	ug/L							

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 7D17006 - EPA 3005A										
Blank (7D17006-BLK1) Continued				Prepared: 04/17/2007 09:03 Analyzed: 04/19/2007 10:54						
Barium	0.20 U	10.0	ug/L							
Beryllium	0.70 U	1.00	ug/L							
Cadmium	0.50 U	1.00	ug/L							
Chromium	2.0 U	10.0	ug/L							
Cobalt	2.0 U	10.0	ug/L							
Copper	0.60 U	10.0	ug/L							
Lead	2.0 U	10.0	ug/L							
Nickel	2.0 U	10.0	ug/L							
Selenium	2.0 U	10.0	ug/L							
Silver	2.0 U	10.0	ug/L							
Vanadium	1.0 U	10.0	ug/L							
Zinc	1.0 U	10.0	ug/L							
LCS (7D17006-BS1)				Prepared: 04/17/2007 09:03 Analyzed: 04/19/2007 11:00						
Arsenic	1050	10.0	ug/L	1000		105	82-117			
Barium	1190	10.0	ug/L	1000		119	72-125			
Beryllium	537	1.00	ug/L	500		107	75-121			
Cadmium	527	1.00	ug/L	500		105	72-120			
Chromium	1040	10.0	ug/L	1000		104	78-119			
Cobalt	1040	10.0	ug/L	1000		104	76-117			
Copper	521	10.0	ug/L	500		104	80-117			
Lead	1040	10.0	ug/L	1000		104	72-121			
Nickel	1060	10.0	ug/L	1000		106	78-116			
Selenium	1060	10.0	ug/L	1000		106	82-127			
Silver	105	10.0	ug/L	100		105	80-128			
Vanadium	515	10.0	ug/L	500		103	78-117			
Zinc	1040	10.0	ug/L	1000		104	80-120			
Matrix Spike (7D17006-MS1)		**Source: C704492-02**		Prepared: 04/17/2007 09:03 Analyzed: 04/19/2007 11:14						
Arsenic	1050	10.0	ug/L	1000	2.0 U	105	64-126			
Barium	1400	10.0	ug/L	1000	244	116	74-119			
Beryllium	534	1.00	ug/L	500	0.70 U	107	70-131			
Cadmium	510	1.00	ug/L	500	0.50 U	102	68-121			
Chromium	1010	10.0	ug/L	1000	2.0 U	101	73-120			
Cobalt	1020	10.0	ug/L	1000	10.9	101	76-120			
Copper	526	10.0	ug/L	500	5.30	104	75-123			
Lead	1010	10.0	ug/L	1000	2.0 U	101	68-126			
Nickel	1020	10.0	ug/L	1000	6.9	101	64-126			
Selenium	1060	10.0	ug/L	1000	2.0 U	106	65-129			
Silver	104	10.0	ug/L	100	2.0 U	104	69-121			
Vanadium	484	10.0	ug/L	500	1.0 U	97	71-130			
Zinc	1010	10.0	ug/L	1000	1.0 U	101	63-131			
Matrix Spike Dup (7D17006-MSD1)		**Source: C704492-02**		Prepared: 04/17/2007 09:03 Analyzed: 04/19/2007 11:21						
Arsenic	1060	10.0	ug/L	1000	2.0 U	106	64-126	2	12	
Barium	1420	10.0	ug/L	1000	244	118	74-119	1	11	
Beryllium	542	1.00	ug/L	500	0.70 U	108	70-131	1	21	

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 7D17006 - EPA 3005A										
Matrix Spike Dup (7D17006-MSD1) Continued	**Source: C704492-02**			Prepared: 04/17/2007 09:03 Analyzed: 04/19/2007 11:21						
Cadmium	516	1.00	ug/L	500	0.50 U	103	68-121	1	12	
Chromium	1020	10.0	ug/L	1000	2.0 U	102	73-120	2	10	
Cobalt	1030	10.0	ug/L	1000	10.9	102	76-120	1	17	
Copper	534	10.0	ug/L	500	5.30	106	75-123	2	16	
Lead	1030	10.0	ug/L	1000	2.0 U	103	68-126	1	19	
Nickel	1040	10.0	ug/L	1000	6.9	103	64-126	1	12	
Selenium	1080	10.0	ug/L	1000	2.0 U	108	65-129	2	10	
Silver	104	10.0	ug/L	100	2.0 U	104	69-121	0.6	12	
Vanadium	491	10.0	ug/L	500	1.0 U	98	71-130	1	16	
Zinc	1020	10.0	ug/L	1000	1.0 U	102	63-131	1	24	

NOTES AND DEFINITIONS

D	Data reported from a dilution
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
QM-4X	The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
U	Analyte included in the analysis, but not detected

LABORATORY CERTIFICATION SUMMARY

Analysis	Matrix	Cert ID	Cert Number
8260B Appendix 1	Water	NC	591
Antimony Total EPA 6020	Water	NC	591
Arsenic Total EPA 6010B	Water	NC	591
Barium Total EPA 6010B	Water	NC	591
Beryllium Total EPA 6010B	Water	NC	591
Cadmium Total EPA 6010B	Water	NC	591
Chromium Total EPA 6010B	Water	NC	591
Cobalt Total EPA 6010B	Water	NC	591
Copper Total EPA 6010B	Water	NC	591
Lead Total EPA 6010B	Water	NC	591
Nickel Total EPA 6010B	Water	NC	591
Selenium Total EPA 6010B	Water	NC	591
Silver Total EPA 6010B	Water	NC	591
Thallium Total EPA 6020	Water	NC	591
Vanadium Total EPA 6010B	Water	NC	591
Zinc Total EPA 6010B	Water	NC	591

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

10775 Central Port Dr.
Orlando, FL 32824
(407) 826-5314 Fax (407) 850-6945

4810 Executive Park Court, Suite 211
Jacksonville, FL 32216-6069
(904) 296-3007 Fax (904) 296-6210

1915 Pleasant Way
Cary, NC 27513
(919) 677-1669 Fax (919) 677-9558

Page 1 of 2

(SM004)	Project Number: [none]	
ttleground Rd.	Project Name/Desc: White Street Landfill App Is	
, NC 27410	PO # / Billing Info: 1474Z	
180 (336) 288-8980	Reporting Contact: Edmund Henriques	
Proj. Mgr.: Gary Simcox	Billing Contact: Accounts Payable	
	Facility # (if required):	

Requested Analyses

8260B Appendix 1	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn									

Preservation (See Codes) (Complete as necessary)

Requested Turnaround Times

Note: Rush requests subject to acceptance by the facility

___ Standard

___ Expedited

Due 1 1

Lab Workorder: C704492

Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers											Sample Comments
4/12/07	0850	G	Water	4	X	X									
4/12/07	1255	G	Water	4	X	X									
4/12/07	1625	G	Water	4	X	X									
4/12/07	1730	G	Water	4	X	X									
4/13/07	0945	G	Water	4	X	X									
4/13/07	0900	G	Water	4	X	X									
4/12/07	1135	G	Water	4	X	X									
4/12/07	1515	G	Water	4	X	X									
4/12/07	1410	G	Water	4	X	X									
4/12/07	0840	G	Water	4	X	X									
4/13/07	1100	G	Water	4	X	X									
4/13/07	1215	G	Water	4	X	X									

← Total # of Containers

	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
	4/14/07		1345 4/14/07		4/13/07 1515
		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time

Container & Temps on Receipt

Condition Upon Receipt: Acceptable ___ Unacceptable

Preservation: I-Ice N-HNO3 H-HCl S-H2SO4 O-Other (details in comments)

Matrix: SO-Soil SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (details in comments)

Note: All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist.

The total number of pages in this report, including this page is 2.

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

ENCO
10775 Central Port Dr.
Orlando, FL 32824
(407) 826-5314 Fax (407) 850-6945

4810 Executive Park Court, Suite 211
Jacksonville, FL 32216-6069
(904) 296-3007 Fax (904) 296-6210

1015 Passport Way
Cary, NC 27513
(919) 677-1669 Fax (919) 677-0848

Client Name: S&ME, Inc. (SM004)	Project Number: [none]
Address: 3718 Old Battleground Rd.	Project Name/Desc: White Street Landfill App Is
City/ST/Zip: Greensboro, NC 27410	PO #/ Billing Info: 14742
Tel: (336) 288-7180 Fax: (336) 288-8980	Reporting Contact: Edmund Henriques
Sampler(s) Name/ Affiliation (Print): Gabi Simcox	Billing Contact: Accounts Payable
Sampler(s) Signature:	Facility # (if required):

Requested Analyses: 8260B Appendix 1; Ag,As,Ba,Be,Cd,Co,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn

Requested Turnaround Times
Note: Rush requests subject to acceptance by the facility
___ Standard
___ Expedited
Due ___/___/___

Lab Workorder: C704492

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (use codes)	Total # of Containers	Preservation (See Codes) (Combine as necessary)										Sample Comments
	4103 DUPLICATE#1	4/12/07	0700	G	Water	1	X	X									
	4103 Trip Blank #1				Water	3	X										
	4103 Trip Blank#2				Water	3	X										

<-- Total # of Containers

Sample(s) Shipped By: CAREY	Date/Time: 4/4/07	Relinquished By:	Date/Time: 4/13/07 1345	Received By:	Date/Time:
Comments:		Relinquished By:	Date/Time:	Received By:	Date/Time:
		Relinquished By:	Date/Time:	Received By:	Date/Time:
		Cooler # / Temps on Receipt:		Condition Upon Receipt: ___ Acceptable ___ Unacceptable	

Matrix: GW-Groundwater SO-Soil SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (Detail in comments)

Preservation Key: H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (Detail in comments)

Note: All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist.

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	4112 SW-1	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C704493-13	Work Order #:	C704493
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/14/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D13022		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L

ANALYTICAL REPORT

Sample ID:	4112 SW-1	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C704493-13	Work Order #:	C704493
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/14/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D13022		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	63 S-GC	50.0	127 %	67-125
Dibromofluoromethane	1868-53-7	43	50.0	86 %	69-111
Toluene-d8	2037-26-5	55	50.0	110 %	85-120

www.encolabs.com

ANALYTICAL REPORT

Sample ID: 4112 SW-1
Lab #: C704493-13

Project: White Street Landfill Appl Monitoring Well
Work Order #: C704493
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D12008
Arsenic	7440-38-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Barium	7440-39-3	**41.8** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D12002
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D12002
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D12002
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Cobalt	7440-48-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Copper	7440-50-8	**2.20** J	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Nickel	7440-02-0	2.0 U	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D12002
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Thallium	7440-28-0	0.044 U	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D12008
Vanadium	7440-62-2	**1.0** J	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D12002
Zinc	7440-66-6	**7.6** J	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002

ANALYTICAL REPORT

Sample ID:	4112 SW-2	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C704493-14	Work Order #:	C704493
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/14/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D13022		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	4112 SW-2	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C704493-14	Work Order #:	C704493
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/14/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D13022		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	**0.31** J	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	62	50.0	123 %	67-125
Dibromofluoromethane	1868-53-7	44	50.0	88 %	69-111
Toluene-d8	2037-26-5	54	50.0	109 %	85-120

ANALYTICAL REPORT

Sample ID: 4112 SW-2
Lab #: C704493-14

Project: White Street Landfill Appl Monitoring Well
Work Order #: C704493
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D12008
Arsenic	7440-38-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Barium	7440-39-3	**54.8** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D12002
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D12002
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D12002
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Cobalt	7440-48-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Copper	7440-50-8	**1.50** J	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Nickel	7440-02-0	2.0 U	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D12002
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Thallium	7440-28-0	0.044 U	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D12008
Vanadium	7440-62-2	1.0 U	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D12002
Zinc	7440-66-6	**23.5**	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	4112 SW-3	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C704493-15	Work Order #:	C704493
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/14/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D13022		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	**1.8**	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	**2.5** J	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	**0.54** J	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	4112 SW-3	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C704493-15	Work Order #:	C704493
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/14/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D13022		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	67 S-GC	50.0	134 %	67-125
Dibromofluoromethane	1868-53-7	44	50.0	88 %	69-111
Toluene-d8	2037-26-5	54	50.0	107 %	85-120

www.encolabs.com

ANALYTICAL REPORT

Sample ID: 4112 SW-3
Lab #: C704493-15

Project: White Street Landfill Appl Monitoring Well
Work Order #: C704493
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D12008
Arsenic	7440-38-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Barium	7440-39-3	**21.7** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D12002
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D12002
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D12002
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Cobalt	7440-48-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Copper	7440-50-8	**6.20** J	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Nickel	7440-02-0	**2.7** J	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D12002
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Thallium	7440-28-0	0.044 U	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D12008
Vanadium	7440-62-2	1.0 U	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D12002
Zinc	7440-66-6	**48.4**	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	4103 SW-4	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C704493-16	Work Order #:	C704493
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/14/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D13022		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	**0.69** J	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L

ANALYTICAL REPORT

Sample ID:	4103 SW-4	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C704493-16	Work Order #:	C704493
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/14/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D13022		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	66 S-GC	50.0	133 %	67-125
Dibromofluoromethane	1868-53-7	44	50.0	88 %	69-111
Toluene-d8	2037-26-5	54	50.0	109 %	85-120

www.encolabs.com

ANALYTICAL REPORT

Sample ID: 4103 SW-4
Lab #: C704493-16

Project: White Street Landfill Appl Monitoring Well
Work Order #: C704493
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D12008
Arsenic	7440-38-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Barium	7440-39-3	**25.4** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D12002
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D12002
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D12002
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Cobalt	7440-48-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Copper	7440-50-8	**4.50** J	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Nickel	7440-02-0	2.0 U	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D12002
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Thallium	7440-28-0	0.044 U	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D12008
Vanadium	7440-62-2	1.0 U	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D12002
Zinc	7440-66-6	**38.2**	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	4103 SW-5	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C704493-17	Work Order #:	C704493
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/16/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D16016		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	**0.60** J	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L

ANALYTICAL REPORT

Sample ID:	4103 SW-5	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C704493-17	Work Order #:	C704493
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/16/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D16016		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	1	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	1	ug/L
Toluene	108-88-3	0.15 U	0.15	1.0	1	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	1	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	1	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	69 S-GC	50.0	137 %	67-125
Dibromofluoromethane	1868-53-7	46	50.0	93 %	69-111
Toluene-d8	2037-26-5	57	50.0	114 %	85-120

ANALYTICAL REPORT

Sample ID: 4103 SW-5
Lab #: C704493-17

Project: White Street Landfill Appl Monitoring Well
Work Order #: C704493
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D12008
Arsenic	7440-38-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Barium	7440-39-3	**25.6** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D12002
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D12002
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D12002
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Cobalt	7440-48-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Copper	7440-50-8	**4.30** J	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Nickel	7440-02-0	**2.5** J	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D12002
Selenium	7782-49-2	**2.9** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Thallium	7440-28-0	0.044 U	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D12008
Vanadium	7440-62-2	1.0 U	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D12002
Zinc	7440-66-6	**39.5**	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes

Volatile Organic Compounds by GCMS - Quality Control

Batch 7D13022 - EPA 5030B_MS

Blank (7D13022-BLK1) Prepared: 04/13/2007 15:54 Analyzed: 04/14/2007 00:23

Acetone	0.90 U	5.0	ug/L
Acrylonitrile	2.0 U	5.0	ug/L
Benzene	0.12 U	1.0	ug/L
2-Butanone	0.56 U	5.0	ug/L
2-Hexanone	0.24 U	5.0	ug/L
Iodomethane	0.23 U	2.0	ug/L
Tetrachloroethene	0.25 U	1.0	ug/L
4-Methyl-2-pentanone	0.36 U	5.0	ug/L
Bromochloromethane	0.19 U	1.0	ug/L
Trichloroethene	0.23 U	1.0	ug/L
Bromodichloromethane	0.19 U	0.40	ug/L
Bromoform	0.36 U	1.0	ug/L
Bromomethane	0.21 U	1.0	ug/L
Carbon disulfide	0.12 U	5.0	ug/L
Carbon tetrachloride	0.38 U	1.0	ug/L
Chlorobenzene	0.16 U	1.0	ug/L
Chloroethane	0.40 U	1.0	ug/L
Chloroform	0.16 U	1.0	ug/L
Chloromethane	0.18 U	1.0	ug/L
Dibromochloromethane	0.18 U	1.0	ug/L
1,2-Dibromo-3-chloropropane	0.19 U	1.0	ug/L
1,2-Dibromoethane	0.19 U	1.0	ug/L
Dibromomethane	0.14 U	1.0	ug/L
1,2-Dichlorobenzene	0.17 U	1.0	ug/L
1,4-Dichlorobenzene	0.15 U	1.0	ug/L
trans-1,4-Dichloro-2-butene	0.60 U	1.0	ug/L
1,1-Dichloroethane	0.090 U	1.0	ug/L
1,2-Dichloroethane	0.36 U	1.0	ug/L
1,1-Dichloroethene	0.14 U	1.0	ug/L
cis-1,2-Dichloroethene	0.14 U	1.0	ug/L
trans-1,2-Dichloroethene	0.10 U	1.0	ug/L
1,2-Dichloropropane	0.18 U	1.0	ug/L
cis-1,3-Dichloropropene	0.16 U	0.20	ug/L
trans-1,3-Dichloropropene	0.18 U	0.20	ug/L
Ethylbenzene	0.17 U	1.0	ug/L
Methylene chloride	0.088 U	2.0	ug/L
Styrene	0.12 U	1.0	ug/L
1,1,1,2-Tetrachloroethane	0.16 U	1.0	ug/L
1,1,2,2-Tetrachloroethane	0.27 U	1.0	ug/L
Toluene	0.15 U	1.0	ug/L
1,1,1-Trichloroethane	0.24 U	1.0	ug/L
1,1,2-Trichloroethane	0.24 U	1.0	ug/L
Trichlorofluoromethane	0.16 U	1.0	ug/L
1,2,3-Trichloropropane	0.32 U	1.0	ug/L
Vinyl acetate	0.19 U	2.0	ug/L

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Volatile Organic Compounds by GCMS - Quality Control										
Batch 7D13022 - EPA 5030B_MS										
Blank (7D13022-BLK1) Continued				Prepared: 04/13/2007 15:54 Analyzed: 04/14/2007 00:23						
Vinyl chloride	0.15 U	1.0	ug/L							
m,p-Xylenes	0.21 U	2.0	ug/L							
o-Xylene	0.14 U	1.0	ug/L							
LCS (7D13022-BS1)				Prepared: 04/13/2007 15:54 Analyzed: 04/14/2007 00:48						
Benzene	18	1.0	ug/L	20.0		91	76-116			
Trichloroethene	20	1.0	ug/L	20.0		99	81-118			
Chlorobenzene	19	1.0	ug/L	20.0		95	75-115			
1,1-Dichloroethene	17	1.0	ug/L	20.0		86	57-141			
Toluene	18	1.0	ug/L	20.0		88	77-120			
Matrix Spike (7D13022-MS1)		**Source: C705004-07**		Prepared: 04/13/2007 15:54 Analyzed: 04/14/2007 01:14						
Benzene	18	1.0	ug/L	20.0	0.12 U	91	76-116			
Trichloroethene	20	1.0	ug/L	20.0	0.23 U	98	81-118			
Chlorobenzene	18	1.0	ug/L	20.0	0.16 U	92	75-115			
1,1-Dichloroethene	17	1.0	ug/L	20.0	0.14 U	86	57-141			
Toluene	17	1.0	ug/L	20.0	0.15 U	84	77-120			
Matrix Spike Dup (7D13022-MSD1)		**Source: C705004-07**		Prepared: 04/13/2007 15:54 Analyzed: 04/14/2007 01:40						
Benzene	18	1.0	ug/L	20.0	0.12 U	90	76-116	2	14	
Trichloroethene	20	1.0	ug/L	20.0	0.23 U	98	81-118	0.7	11	
Chlorobenzene	18	1.0	ug/L	20.0	0.16 U	92	75-115	0.5	12	
1,1-Dichloroethene	16	1.0	ug/L	20.0	0.14 U	82	57-141	5	12	
Toluene	17	1.0	ug/L	20.0	0.15 U	87	77-120	3	17	
Batch 7D16016 - EPA 5030B_MS										
Blank (7D16016-BLK1)				Prepared: 04/16/2007 11:14 Analyzed: 04/16/2007 12:45						
Acetone	0.90 U	5.0	ug/L							
Acrylonitriie	2.0 U	5.0	ug/L							
Benzene	0.12 U	1.0	ug/L							
2-Butanone	0.56 U	5.0	ug/L							
2-Hexanone	0.24 U	5.0	ug/L							
Iodomethane	0.23 U	2.0	ug/L							
Tetrachloroethene	0.25 U	1.0	ug/L							
4-Methyl-2-pentanone	0.36 U	5.0	ug/L							
Bromochloromethane	0.19 U	1.0	ug/L							
Trichloroethene	0.23 U	1.0	ug/L							
Bromodichloromethane	0.19 U	0.40	ug/L							
Bromoform	0.36 U	1.0	ug/L							
Bromomethane	0.21 U	1.0	ug/L							
Carbon disulfide	0.12 U	5.0	ug/L							
Carbon tetrachloride	0.38 U	1.0	ug/L							
Chlorobenzene	0.16 U	1.0	ug/L							
Chloroethane	0.40 U	1.0	ug/L							
Chloroform	0.16 U	1.0	ug/L							
Chloromethane	0.18 U	1.0	ug/L							
Dibromochloromethane	0.18 U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.19 U	1.0	ug/L							

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Volatile Organic Compounds by GCMS - Quality Control										
Batch 7D16016 - EPA 5030B_MS										
Blank (7D16016-BLK1) Continued				Prepared: 04/16/2007 11:14 Analyzed: 04/16/2007 12:45						
1,2-Dibromoethane	0.19 U	1.0	ug/L							
Dibromomethane	0.14 U	1.0	ug/L							
1,2-Dichlorobenzene	0.17 U	1.0	ug/L							
1,4-Dichlorobenzene	0.15 U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.60 U	1.0	ug/L							
1,1-Dichloroethane	0.090 U	1.0	ug/L							
1,2-Dichloroethane	0.36 U	1.0	ug/L							
1,1-Dichloroethene	0.14 U	1.0	ug/L							
cis-1,2-Dichloroethene	0.14 U	1.0	ug/L							
trans-1,2-Dichloroethene	0.10 U	1.0	ug/L							
1,2-Dichloropropane	0.18 U	1.0	ug/L							
cis-1,3-Dichloropropene	0.16 U	0.20	ug/L							
trans-1,3-Dichloropropene	0.18 U	0.20	ug/L							
Ethylbenzene	0.17 U	1.0	ug/L							
Methylene chloride	0.088 U	2.0	ug/L							
Styrene	0.12 U	1.0	ug/L							
1,1,1,2-Tetrachloroethane	0.16 U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.27 U	1.0	ug/L							
Toluene	0.15 U	1.0	ug/L							
1,1,1-Trichloroethane	0.24 U	1.0	ug/L							
1,1,2-Trichloroethane	0.24 U	1.0	ug/L							
Trichlorofluoromethane	0.16 U	1.0	ug/L							
1,2,3-Trichloropropane	0.32 U	1.0	ug/L							
Vinyl acetate	0.19 U	2.0	ug/L							
Vinyl chloride	0.15 U	1.0	ug/L							
m,p-Xylenes	0.21 U	2.0	ug/L							
o-Xylene	0.14 U	1.0	ug/L							
LCS (7D16016-BS1)				Prepared: 04/16/2007 11:14 Analyzed: 04/16/2007 13:11						
Benzene	17	1.0	ug/L	20.0		86	76-116			
Trichloroethene	20	1.0	ug/L	20.0		98	81-118			
Chlorobenzene	19	1.0	ug/L	20.0		93	75-115			
1,1-Dichloroethene	16	1.0	ug/L	20.0		81	57-141			
Toluene	16	1.0	ug/L	20.0		81	77-120			
Matrix Spike (7D16016-MS1)		**Source: C705004-08**		Prepared: 04/16/2007 11:14 Analyzed: 04/16/2007 13:37						
Benzene	20	1.0	ug/L	20.0	0.12 U	100	76-116			
Trichloroethene	21	1.0	ug/L	20.0	0.23 U	105	81-118			
Chlorobenzene	20	1.0	ug/L	20.0	0.16 U	101	75-115			
1,1-Dichloroethene	18	1.0	ug/L	20.0	0.14 U	88	57-141			
Toluene	19	1.0	ug/L	20.0	0.15 U	93	77-120			
Matrix Spike Dup (7D16016-MSD1)		**Source: C705004-08**		Prepared: 04/16/2007 11:14 Analyzed: 04/16/2007 14:03						
Benzene	20	1.0	ug/L	20.0	0.12 U	98	76-116	2	14	
Trichloroethene	21	1.0	ug/L	20.0	0.23 U	105	81-118	0.3	11	
Chlorobenzene	22	1.0	ug/L	20.0	0.16 U	108	75-115	7	12	
1,1-Dichloroethene	19	1.0	ug/L	20.0	0.14 U	95	57-141	8	12	

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Volatile Organic Compounds by GCMS - Quality Control										
Batch 7D16016 - EPA 5030B_MS										
Matrix Spike Dup (7D16016-MSD1) Continued	**Source: C705004-08**			Prepared: 04/16/2007 11:14 Analyzed: 04/16/2007 14:03						
Toluene	20	1.0	ug/L	20.0	0.15 U	99	77-120	7	17	
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 7D12002 - EPA 3005A										
Blank (7D12002-BLK1)				Prepared: 04/12/2007 09:12 Analyzed: 04/16/2007 11:14						
Arsenic	2.0 U	10.0	ug/L							
Barium	0.20 U	10.0	ug/L							
Beryllium	0.70 U	1.00	ug/L							
Cadmium	0.50 U	1.00	ug/L							
Chromium	2.0 U	10.0	ug/L							
Cobalt	2.0 U	10.0	ug/L							
Copper	0.60 U	10.0	ug/L							
Lead	2.0 U	10.0	ug/L							
Nickel	2.0 U	10.0	ug/L							
Selenium	2.0 U	10.0	ug/L							
Silver	2.0 U	10.0	ug/L							
Vanadium	1.0 U	10.0	ug/L							
Zinc	1.0 U	10.0	ug/L							
LCS (7D12002-BS1)				Prepared: 04/12/2007 09:12 Analyzed: 04/16/2007 11:21						
Arsenic	1030	10.0	ug/L	1000		103	82-117			
Barium	1160	10.0	ug/L	1000		116	72-125			
Beryllium	525	1.00	ug/L	500		105	75-121			
Cadmium	514	1.00	ug/L	500		103	72-120			
Chromium	1020	10.0	ug/L	1000		102	78-119			
Cobalt	1020	10.0	ug/L	1000		102	76-117			
Copper	507	10.0	ug/L	500		101	80-117			
Lead	1020	10.0	ug/L	1000		102	72-121			
Nickel	1030	10.0	ug/L	1000		103	78-116			
Selenium	1050	10.0	ug/L	1000		105	82-127			
Silver	101	10.0	ug/L	100		101	80-128			
Vanadium	503	10.0	ug/L	500		101	78-117			
Zinc	1020	10.0	ug/L	1000		102	80-120			
Matrix Spike (7D12002-MS1)	**Source: C704493-01**			Prepared: 04/12/2007 09:12 Analyzed: 04/16/2007 11:35						
Arsenic	1120	10.0	ug/L	1000	2.0 U	112	64-126			
Barium	1290 QM-07	10.0	ug/L	1000	33.5	126	74-119			QM-07
Beryllium	573	1.00	ug/L	500	0.70 U	115	70-131			
Cadmium	554	1.00	ug/L	500	0.50 U	111	68-121			
Chromium	1100	10.0	ug/L	1000	2.0 U	110	73-120			
Cobalt	1100	10.0	ug/L	1000	2.0 U	110	76-120			
Copper	551	10.0	ug/L	500	0.60 U	110	75-123			
Lead	1110	10.0	ug/L	1000	2.0 U	111	68-126			
Nickel	1110	10.0	ug/L	1000	2.0 U	111	64-126			
Selenium	1140	10.0	ug/L	1000	2.0 U	114	65-129			
Silver	110	10.0	ug/L	100	2.0 U	110	69-121			
Vanadium	538	10.0	ug/L	500	1.0 U	108	71-130			

QUALITY CONTROL

Analyte	Result		MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Metals by EPA 6000/7000 Series Methods - Quality Control											
Batch 7D12002 - EPA 3005A											
Matrix Spike (7D12002-MS1) Continued		**Source: C704493-01**			Prepared: 04/12/2007 09:12 Analyzed: 04/16/2007 11:35						
Zinc	1100		10.0	ug/L	1000	1.0 U	110	63-131			
Matrix Spike Dup (7D12002-MSD1)		**Source: C704493-01**			Prepared: 04/12/2007 09:12 Analyzed: 04/16/2007 11:42						
Arsenic	1070		10.0	ug/L	1000	2.0 U	107	64-126	5	12	
Barium	1230	QM-07	10.0	ug/L	1000	33.5	120	74-119	5	11	QM-07
Beryllium	545		1.00	ug/L	500	0.70 U	109	70-131	5	21	
Cadmium	529		1.00	ug/L	500	0.50 U	106	68-121	5	12	
Chromium	1040		10.0	ug/L	1000	2.0 U	104	73-120	5	10	
Cobalt	1040		10.0	ug/L	1000	2.0 U	104	76-120	5	17	
Copper	524		10.0	ug/L	500	0.60 U	105	75-123	5	16	
Lead	1060		10.0	ug/L	1000	2.0 U	106	68-126	5	19	
Nickel	1060		10.0	ug/L	1000	2.0 U	106	64-126	5	12	
Selenium	1090		10.0	ug/L	1000	2.0 U	109	65-129	5	10	
Silver	106		10.0	ug/L	100	2.0 U	106	69-121	4	12	
Vanadium	512		10.0	ug/L	500	1.0 U	102	71-130	5	16	
Zinc	1050		10.0	ug/L	1000	1.0 U	105	63-131	5	24	
Batch 7D12008 - EPA 3005A											
Blank (7D12008-BLK1)					Prepared: 04/12/2007 11:05 Analyzed: 04/16/2007 15:16						
Antimony	0.58 U		2.00	ug/L							
Thallium	0.044 U		0.050	ug/L							
LCS (7D12008-BS1)					Prepared: 04/12/2007 11:05 Analyzed: 04/16/2007 15:38						
Antimony	59.7		2.00	ug/L	50.0		119	80-120			
Thallium	55.8		0.050	ug/L	50.0		112	80-120			
Matrix Spike (7D12008-MS1)		**Source: C704493-02**			Prepared: 04/12/2007 11:05 Analyzed: 04/16/2007 15:23						
Antimony	67.1	QM-05	2.00	ug/L	50.0	0.58 U	134	70-130			QM-05
Thallium	63.8		0.050	ug/L	50.0	0.0660	128	70-130			
Matrix Spike Dup (7D12008-MSD1)		**Source: C704493-02**			Prepared: 04/12/2007 11:05 Analyzed: 04/16/2007 15:26						
Antimony	68.2	QM-05	2.00	ug/L	50.0	0.58 U	136	70-130	2	20	QM-05
Thallium	62.7		0.050	ug/L	50.0	0.0660	125	70-130	2	20	

NOTES AND DEFINITIONS

J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
U	Analyte included in the analysis, but not detected

LABORATORY CERTIFICATION SUMMARY

Analysis	Matrix	Cert ID	Cert Number
8260B Appendix 1	Water	NC	591
Antimony Total EPA 6020	Water	NC	591
Arsenic Total EPA 6010B	Water	NC	591
Barium Total EPA 6010B	Water	NC	591
Beryllium Total EPA 6010B	Water	NC	591
Cadmium Total EPA 6010B	Water	NC	591
Chromium Total EPA 6010B	Water	NC	591
Cobalt Total EPA 6010B	Water	NC	591
Copper Total EPA 6010B	Water	NC	591
Lead Total EPA 6010B	Water	NC	591
Nickel Total EPA 6010B	Water	NC	591
Selenium Total EPA 6010B	Water	NC	591
Silver Total EPA 6010B	Water	NC	591
Thallium Total EPA 6020	Water	NC	591
Vanadium Total EPA 6010B	Water	NC	591
Zinc Total EPA 6010B	Water	NC	591

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

10775 Central Port Dr.
Orlando, FL 32824
(407) 826-5314 Fax (407) 850-6945

4810 Executive Park Court, Suite 211
Jacksonville, FL 32216-6069
(904) 296-3007 Fax (904) 296-6210

1015 Passport Way
Cary, NC 27513
(919) 677-1669 Fax (919) 677-9846

Client Name: S&ME, Inc. (SM004)	Project Number: [none]
Address: 3718 Old Battleground Rd.	Project Name/Desc: White Street Landfill Appl Monitoring Wells
City/ST/Zip: Greensboro, NC 27410	PO # / Billing Info: 14742
Tel: (336) 288-7180 / Fax: (336) 288-8980	Reporting Contact: Edmund Henriques
Sampler(s) Name, Affiliation (Print): Gary Simcox / Michael Cook	Billing Contact: Accounts Payable
Sampler(s) Signature:	Facility # (if required)

Requested Analyses

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

___ Standard

___ Expedited

Due ___/___/___

Lab Workorder: C704493

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8260B Appendix 1	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn								Sample Comments
							Preservation (See Codes) (Combine as necessary)									
	4112 MW-15	4/9/07	1305	G	Water	4	X	X								
	4112 MW-16	4/9/07	1220	G	Water	4	X	X								
	4112 MW-17	4/9/07	1120	G	Water	4	X	X								
	4112 MW-18	4/10/07	0900	G	Water	4	X	X								
	4112 MW-19	4/9/07	1025	G	Water	4	X	X								
	4112 MW-20	4/9/07	1830	G	Water	4	X	X								
	4112 MW-21	4/10/07	1015	G	Water	4	X	X								
	4112 MW-22	4/10/07	1135	G	Water	4	X	X								
	4112 MW-23	4/9/07	1500	G	Water	4	X	X								
	4112 MW-24	4/9/07	1610	G	Water	4	X	X								
	4112 MW-25	4/9/07	1650	G	Water	4	X	X								
	4112 MW-25B	4/9/07	1725	G	Water	4	X	X								
							<-- Total # of Containers									

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
CARY	4/4/07		4/10/07 1725	Donna Hayes	4/10/07 1725
Comments		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time
		Cooler #'s & Temps on Receipt: 2.0C		Condition Upon Receipt: ___ Acceptable ___ Unacceptable	

Matrix : GW-Groundwater SO-Soil SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments)

Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

Note : All samples submitted to ENCC Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

10775 Central Port Dr.
Orlando, FL 32824
(407) 826-5314 Fax (407) 850-6945

4810 Executive Park Court, Suite 211
Jacksonville, FL 32216-6069
(904) 296-3007 Fax (904) 296-6210

1015 Passport Way
Cary, NC 27513
(919) 677-1669 Fax (919) 677-9846

Client Name: S&ME, Inc. (SM004)	Project Number: [none]
Address: 3718 Old Battleground Rd.	Project Name/Desc: White Street Landfill Appl Monitoring Wells
City/ST/Zip: Greensboro, NC 27410	PO # / Billing Info: 14742
Tel: (336) 288-7180 Fax: (336) 288-8980	Reporting Contact: Edmund Henriques
Sampler(s) Name, Affiliation (Print): Gary Simcox / Michael Cook	Billing Contact: Accounts Payable
Sampler(s) Signature: Michael Cook	Facility # (if required):

Requested Analyses

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8260B Appendix 1	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn								Sample Comments
							Preservation (See Codes) (Combine as necessary)									
	4112 SW-1	4/10/07	0915	G	Water	4	X	X								
	4112 SW-2	4/10/07	0745	G	Water	4	X	X								
	4112 SW-3	4/10/07	0845	G	Water	4	X	X								
	4103 SW-4	4/10/07	1100	G	Water	4	X	X								
	4103 SW-5	4/10/07	1035	G	Water	4	X	X								
	4112 DUPLICATE-III	4/9/07	1330	G	Water	4	X	X								
	4112 Trip Blank#3				Water	3	X									

<-- Total # of Containers

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

___ Standard

___ Expedited

Due ___/___/___

Lab Workorder: C704493

Sample Kit Prepared By: CARY	Date/Time: 4/4/07	Relinquished By	Date/Time: 4/10/07 1725	Received By	Date/Time: 4/10/07 1725
Comments		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time
		Cooler #'s & Temps on Receipt: 2.0°C		Condition Upon Receipt: ___ Acceptable ___ Unacceptable	

Matrix : GW-Groundwater SO-Soil SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments)

Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

Note : All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist

APPENDIX C

NC DENR Formatted Data Tables on CD