WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
PHASE I POST CLOSURE MONITORING
SEPTEMBER 2007 SAMPLING EVENT

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

November 27, 2007

S&ME

I hereby certify this 27th day of November, 2007, that this report was prepared by me or under my direct supervision.

NORTH CAROLINA LICENSED SEAL 1246 EDMUND Q. B. HENRIQUES

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

Technical review performed by:

Wayne H. Watterson, P.E.
Senior Engineer

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1. EXECUTIVE SUMMARY

Five monitoring wells and five stream locations at the White Street Landfill were sampled during September 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. Samples for well MW-13, shared by Phase I and Phase II, were submitted for analysis of the North Carolina Appendix II parameter suite. Samples from surface water locations SW-1, SW-2, SW-3, SW-4 and SW-5 were analyzed for federal Appendix I 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, benzene, 1,1-dichloroethane, 1,1-dichloroethene, cis 1,2-dichloroethene, chlorobenzene, 1,4-dichlorobenzene, and 1,2-dichlorobenzene were detected at one or more monitoring wells. Of the detected volatile organic compounds, the following NCAC 2L groundwater quality standards were exceeded.

- Vinyl chloride was reported at estimated "J" flagged values in wells I-1 and I-3. Based on our understanding of current NCDENR Solid Waste Section guidance, the estimated concentrations represent an exceedance of the NCAC 2L groundwater quality standard for vinyl chloride currently set at 0.015 μg/L.
- Benzene was detected solely at monitoring wells I-1, I-3, and I-4. However, only the reported concentration from well I-1 of 1.3 μg/L exceeded the NCAC 2L groundwater quality standard of 1 μg/L for benzene.
- 1,4-dichlorobenzene was detected in the groundwater samples collected from monitoring wells I-1, I-2, I-3, and I-4 at concentrations of 3.5 μg/L, 1.4 μg/L, 4.1μg/L, and 5.4 μg/L respectively. Of these, the reported concentrations in the samples from I-1, I-3, and I-4 exceed the 1.4 μg/L NCAC 2L groundwater quality standard for 1,4-dichlorobenzene.

Semi-Volatile organic compound bis(2-ethylhexyl)phthalate was detected solely at monitoring well MW-13 (background well) at a concentration of 2.5 μg/L. The reported concentration was a laboratory estimated value and less than the NCAC 2L standard of 3 μg/L).

Inorganic constituent mercury was detected solely in the groundwater sample collected from well I-1 at a reported concentration of 3.96 μg/L. The reported concentration exceeds the NCAC 2L groundwater quality standard of 1.1 μg/L.

During this event, vanadium was only detected in the groundwater sample collected from monitoring well MW-13 and reported concentration of 2.3 μg/L is an estimated, "J" flagged value. Currently, there is no established North Carolina Groundwater Quality

Standard for vanadium. However, North Carolina has published a Public Health Goal (NCPHG) for vanadium which is set at 3.5 μg/L. The NCPHG values have been established by toxicologists and are considered safe levels for the constituent of concern in private drinking water wells over a lifetime of consumption. The estimated vanadium concentration for well MW-13 is below the NCPHG for vanadium. Additionally, monitoring well MW-13 is a background monitoring well for the Facility.

Inorganic constituents barium, lead, thallium, and zinc were detected at quantified or estimated concentrations in one or more of the wells. However, the reported concentrations of these constituents were below their corresponding NCAC 2L groundwater quality standard.

The following summarizes the surface water sample results.

- Acetone, chloroform, bromodichloromethane, and dibromochloromethane were detected at one or more of the surface sample locations. Currently, there are no corresponding NCAC 2B surface water quality standards for these constituents. The reported quantified and estimated concentrations for samples locations SW-1, SW-2, and SW-3, located stream of Phase I, are greater than the reported concentrations for sample locations SW-4 and SW-5 located down-gradient of Phase I. This finding suggests an upstream, off-site source for these constituents.
- Toluene was detected solely in the surface water sample SW-2 at a reported concentration of 4.2 μg/L, which is a quantified value (above the SWSL), but is less than the NCAC 2B surface water standard for toluene set at 11 μg/L. Sample location SW-2 is located upstream of Phase I, suggesting an upstream, off-site source for this constituent.
- Inorganic constituent copper was detected in the surface water samples collected at SW-1, SW-3, SW-4, and SW-5. With the exception of the results for SW-4, the reported concentrations exceed the NCAC 2B surface water standard for copper set at 7 μg/L. However, sample locations SW-1 and SW-3 are located upstream of the White Street Landfill Facility, and should not reflect surface water impacts stemming from the Facility. Even though sample locations SW-4 and SW-5 are downstream of the Facility, the reported concentrations of copper in these samples are less than the reported concentrations in the two upstream samples SW-1 and SW-3. Therefore, it is reasonable to conclude that the reported concentration of copper in sample locations SW-4 and SW-5 are indicative of upstream "background" conditions within Buffalo Creek prior to receiving any influence from the White Street Landfill Facility and does not reflect a release of copper into the stream from the Facility.
- Inorganic constituent zinc was detected at SW-1, SW-2, SW-3, SW-4, and SW-5 at concentrations of 84.9 μg/L, 11.4 μg/L, 60.4 μg/L, 36.4 μg/L, and 45.7 μg/L respectively. However, only the concentrations at SW-1 and SW-3 exceeded the NCAC 2B standard of 50 μg/L. Sample locations SW-1 and SW-3 are located upstream of the White Street Landfill Facility and should not reflect surface water impacts stemming from the Facility.
- Inorganic constituent lead was detected at surface water sample locations SW-1 and SW-2; however, only the concentration at SW-1 of 11.2 μg/L was a quantified

value. None of the reported concentrations exceed the NCAC 2B surface water standard of 25 μg/L for lead. Both SW-1 and SW-2 represent surface water quality upstream of Phase I.

- The metals barium, cobalt, nickel, and thallium were detected at one or more of the surface water sample locations. The reported concentrations of these metals were values between the Method Detection Limit (MDL) and the North Carolina Solid Waste Section Limit (SWSL) for the respective constituent and are therefore flagged as a "J" value and considered only estimated values. Currently, there are no corresponding NCAC 2B surface water quality standards for these constituents.

2. 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.

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. Since well MW-13 is shared by Phase I and Phase II, the samples collected from MW-13 were analyzed using the federal Appendix II assessment monitoring list. This report discusses the field procedures, summarizes the field measurements and analytical results for the September 2007 water quality monitoring event.

3. 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 sample MW-13 analyzed for Appendix II constituents by a North Carolina certified laboratory, using State approved methods (e.g., MW-13 is also part of Phase II, which has different analytical requirements).
- Had the samples 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 this Groundwater Monitoring Report to the City of Greensboro and the State.

4. METHODS EMPLOYED

4.1 Monitoring Well Sampling

Phase I groundwater monitoring well sampling took place on September 25 and 26, 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 MicroPurgeTM 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. After collection, the groundwater samples were packed on ice and placed under chain-of custody.

All 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. Monitor well MW-13 was analyzed for Appendix II constituents since it is shared with Phase II as a background

groundwater quality monitoring well for both Phase I and Phase II. Analyses were conducted by Environmental Conservation Laboratories; a North Carolina certified laboratory. Laboratory analytical data is attached in **Appendix B.** The NCDENR Environmental Monitoring Reporting Form is attached as **Appendix C**.

4.2 Stream Sampling

Surface water sampling took place on September 25, 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. 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 report is 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 reported at estimated "J" flagged values in wells I-1 and I-3. Base on our understanding of current NCDENR, Solid Waste Section guidance[1], the estimated concentration represent an exceedance of the NCAC 2L groundwater quality standard for vinyl chloride currently set at 0.015 μg/L.
- Volatile organic compound benzene was detected solely at monitoring wells I-1, I-3, and I-4. However only the reported concentration from I-1 of 1.3 μg/L exceeded the NCAC 2L groundwater quality standard of 1 μg/L for benzene.

[1] In a telephone conversation between Edmund Q. B. Henriques and Connel Ware with S&ME and Ms. Jackie Drummond with the North Carolina Division of Solid Waste Section of NCDENR on November 6, 2007, S&ME was informed that NCDENR now considers any reported concentration which is higher than the NCAC 2L groundwater quality standard a 2L violation even if the reported concentration is only an estimated "J" flagged value.

- Volatile organic compound 1,4-dichlorobenzene was detected in the groundwater samples collected from monitoring wells I-1, I-2, I-3, and I-4 at concentrations of 3.5 μg/L, 1.4 μg/L, 4.1 μg/L, and 5.4 μg/L respectively. Of these, the reported concentrations in the samples from I-1, I-3, and I-4 exceed the 1.4 μg/L NCAC 2L groundwater quality standard for 1,4-dichlorobenzene.
- Volatile organic compounds acetone, chlorobenzene, 1,1-dichlorothene, 1,1-dichloroethane, cis 1,2-dichloroethene, and 1,2-dichlorobenzene were detected at quantified or estimated concentrations in one or more of the wells. However the reported concentrations of these compounds were below their corresponding NCAC 2L groundwater quality standard with the exception of vinyl chloride.
- Semi-Volatile organic compound bis(2-ethylhexyl)phthalate was detected solely at monitoring well MW-13 (background well) at a concentration of 2.5 μg/L. The reported concentration was a laboratory estimated value and it is less than the NCAC 2L standard of 3 μg/L). These results are presented in **Table 2**.
- Inorganic constituents barium, lead, thallium, and zinc were detected at quantified or estimated concentrations in one or more of the wells. However, the reported concentrations of these constituents were below their corresponding NCAC 2L groundwater quality standard.
- Inorganic constituent mercury was detected solely in the groundwater sample collected from well I-1 at a reported concentration of 3.96 μg/L. The reported concentration exceeds the NCAC 2L groundwater quality standard of 1.1 μg/L.
- Currently, there is no established North Carolina Groundwater Quality Standard for vanadium. However, North Carolina has published a Public Health Goal (NCPHG) for vanadium, which is set at 3.5 μg/L. The NCPHG values have been established by toxicologists and are considered safe levels for the constituent of concern in private drinking water wells over a lifetime of consumption. During this event, vanadium was only detected in the groundwater sample collected from monitoring well MW-13 and reported concentration of 2.3 μg/L is an estimated, "J" flagged value. This concentration is below the NCPHG for vanadium. Additionally, monitoring well MW-13 is a background monitoring well for the Facility.

5.2 Groundwater Flow Direction

The static water levels in the Phase I monitoring wells were measured on September 25, 2007. The depth to the water table ranged from 6.20 to 23.83 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 September 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 generally consistent with the results from previous monitoring events.

5.3 Surface Water

The results of the laboratory analyses for the Appendix I constituents in the surface water samples are summarized in **Tables 5** and **6.** The complete laboratory reports are included in **Appendix B**. The following summarizes the surface water sample analyses.

- Acetone, chloroform, bromodichloromethane, and dibromochloromethane were detected at one or more of the surface sample locations. Currently, there are no corresponding NCAC 2B surface water quality standards for these constituents. The reported quantified and estimated concentrations for samples locations SW-1, SW-2, and SW-3, located stream of Phase I, are greater than the reported concentrations for sample locations SW-4 and SW-5 located down-gradient of Phase I. This finding suggests an up stream, off-site source for these constituents.
- Toluene was detected solely in the surface water sample SW-2 at a reported concentration of 4.2 μg/L, which is a quantified value (above the SWSL), but is less than the NCAC 2B surface water standard for toluene set at 11 μg/L. Sample location SW-2 is located upstream of Phase I. This finding suggests an upstream, off-site source for this constituent.
- The metals; barium, cobalt, copper, lead, nickel, thallium, vanadium, and zinc were detected at one or more of the surface water sample locations. With the exception of copper, lead, and zinc, the reported concentrations of the detected metals listed above which were detected during the current surface water monitoring event were values between the Method Detection Limit (MDL) and the North Carolina Solid Waste Section Limit (SWSL) for the respective constituent and are therefore flagged as a "J" value and considered only estimated values.
- Inorganic constituent copper was detected in the surface water samples collected at SW-1, SW-3, SW-4, and SW-5. With the exception of SW-4, the reported concentrations exceed the NCAC 2B surface water standard for copper set at 7 μg/L. However, sample locations SW-1 and SW-3 are located upstream of the White Street Landfill Facility, and should not reflect surface water impacts stemming from the Facility. Even though sample locations SW-4 and SW-5 are downstream of the Facility, the reported concentration of copper in these samples are less than the reported concentrations in the two upstream samples SW-1 and SW-3. Therefore, it is reasonable to conclude that the reported concentration of copper in sample locations SW-4 and SW-5 are indicative of upstream "background" conditions within Buffalo Creek prior to receiving any influence from the White Street Landfill Facility and does not reflect a release of copper into the stream from the Facility.
- Inorganic constituent lead was detected at SW-1 and SW-2, however only the concentration at SW-1 of 11.2 μg/L was a quantified value. None of the reported concentrations exceed the NCAC 2B surface water standard of 25 μg/L for lead. Both SW-1 and SW-2 represent surface water quality upstream of Phase I.
- Inorganic constituent zinc was detected at SW-1, SW-2, SW-3, SW-4, and SW-5 at concentrations of 84.9 μg/L, 11.4 μg/L, 60.4 μg/L, 36.4 μg/L, and 45.7 μg/L respectively. However, only the concentrations at SW-1 and SW-3 exceeded the NCAC 2B standard of 50 μg/L. Sample locations SW-1 and SW-3 are located upstream of the White Street Landfill Facility and should not reflect surface water impacts stemming from the Facility.

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. REFERENCES

Fetter, C. W., 1988, Applied Hydrogeology, New York; Macmillian 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 (9/07)
PHASE I - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Well No.	Elevation TOC (feet)	Depth of Well (feet)	October 20, 2006		September 25, 2007	
			DTGW (feet)	Elevation (feet)	DTGW (feet)	Elevation (feet)
I-1	776.11	23.36	9.83	766.28	11.08	765.03
I-2	768.58	23.13	5.16	763.42	6.20	762.38
I-3	764.65	24.22	13.82	750.83	16.08	748.57
I-4	759.83	14.57	3.60	756.23	8.00	751.83
MW-13	741.30	33.78	19.61	721.69	23.83	717.47

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 (9/07)
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
1530	25-Sep-07	21.65	70.97	5.77	2.19	-236	1.17	50.5	11.08
1535	25-Sep-07	22.32	72.176	5.7	2.18	-233	1.11	61.1	
1540	25-Sep-07	22.96	73.328	5.67	2.17	-230	1.04	66.8	
1545	25-Sep-07	22.57	72.626	5.65	2.20	-232	0.92	56.30	
1550	25-Sep-07	22.48	72.464	5.64	2.21	-236	0.86	51.00	

Location: I-2

Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1410	25-Sep-07	24.11	75.398	6.27	2.61	-213	1.51	7.02	6.20
1415	25-Sep-07	24.37	75.866	6.22	2.62	-228	1.06	7.1	
1440	25-Sep-07	23.04	73.472	6.28	2.66	-253	0.64	7.1	
1445	25-Sep-07	23.34	74.012	6.22	2.65	-255	0.59	7.19	
1450	25-Sep-07	23.34	74.012	6.21	2.65	2.62	0.51	7.28	
1455	25-Sep-07	24.07	75.326	6.18	2.61	-261	0.53	7.15	
1500	25-Sep-07	24.49	76.082	6.18	2.57	-263	0.51	7.2	

Location: I-3

Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1110	25-Sep-07	21.31	70.358	6.43	2.85	-204	1.97	5.84	16.08
1115	25-Sep-07	19.39	66.902	6.42	3.13	-231	0.97	3.53	
1120	25-Sep-07	19.24	66.632	6.4	3.14	-234	0.77	3	
1125	25-Sep-07	19.34	66.812	6.38	3.15	-239	0.66	8	
1130	25-Sep-07	19.37	66.866	6.37	3.16	-239	0.61	10	
1135	25-Sep-07	19.32	66.776	6.37	3.16	-236	0.55	10.68	
1140	25-Sep-07	19.37	66.866	6.36	3.17	-235	0.51	11.09	

Location: I-4

Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1205	25-Sep-07	20.55	68.99	6.77	2.15	-219	0.69	69	8.00
1210	25-Sep-07	19.58	67.244	6.77	2.16	-228	0.43	27.5	
1215	25-Sep-07	19.86	67.748	6.76	2.20	-236	0.41	27.6	
1220	25-Sep-07	20.75	69.35	6.75	2.28	-234	0.55	28.3	
1225	25-Sep-07	20.75	69.35	6.76	2.41	-236	0.65	29.3	
1230	25-Sep-07	21.12	70.016	6.77	2.57	-230	0.72	34	

Location: MW-13

Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1550	25-Sep-07	29.53	85.154	6.37	1.349	-172	2.83	6.84	23.83
1555	25-Sep-07	24.18	75.524	6.56	0.743	-201	2.98	6.2	
1600	25-Sep-07	23.35	74.03	6.58	0.624	-212	2.84	6.02	
1605	25-Sep-07	23.19	73.742	6.55	0.599	-216	2.74	6.37	
1610	25-Sep-07	23.27	73.886	6.52	0.590	-217	2.73	5.32	
1615	25-Sep-07	23.41	74.138	6.49	0.582	-217	2.72	5.48	

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	9/25/2007	17.06	62.708	6.81	0.305				

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	9/25/2007	21.61	70.898	7.28	0.129				

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	9/25/2007	23.84	74.912	6.28	0.567				

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	9/25/2007	18.61	65.498	7.36	0.529				

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	9/25/2007	19.48	67.064	7.2	0.54				

TABLE 3
GROUNDWATER ANALYTICAL RESULTS SUMMARY (9/07)
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	0.56 J	BQL	0.77 J	BQL	BQL	1	0.015
Acetone	5.8 J	7.1 J	9.1 J	20 J	3.8 J	100	700
Benzene	1.3	BQL	0.50 J	0.5J	BQL	1	1
1,1-Dichloroethene	BQL	BQL	0.45 J	BQL	BQL	5	7
1,1-Dichloroethane	1.7 J	BQL	2.9 J	BQL	BQL	5	70
cis 1,2-dichloroethene	2.2 J	0.45 J	1.3 J	BQL	BQL	5	70
Chlorobenzene	2.0 J	4.2	11	11	BQL	3	50
1,4-Dichlorobenzene	3.5	1.4	4.1	5.4	BQL	1	1.4
1,2-Dichlorobenzene	BQL	1.2 J	0.79 J	0.48 J	BQL	5	24

reported concentrations = micrograms per liter (ug/L)
NC SWSL = North Carolina Solid Waste Section Limit
BQL = Analyte not detected above NC SWSL
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.
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 (9/07)
8-RCRA METALS
PHASE I - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Compound	Sample Locations					NC SWSL	NCAC 2L stds.	NCPHG
	I-1	I-2	I-3	I-4	MW-13			
Barium	153	497	125	480	130	100	2000	
Lead	BQL	3.6 J	BQL	BQL	BQL	10	15	
Thallium	BQL	BQL	BQL	BQL	0.041 J	5.5	0.28	
Mercury	3.96	BQL	BQL	BQL	BQL	0.2	1.1	
Vanadium	BQL	BQL	BQL	BQL	2.3 J	3.5	ns	3.5
Zinc	BQL	BQL	BQL	BQL	2.5 J	10	1050	

reported concentrations = micrograms per liter (ug/L)
NC SWSL = North Carolina Solid Waste Section Limit
BQL = Analyte not detected above NC SWSL
NCAC 2L stds. = 15A North Carolina Administrative Code 2L .0200, Groundwater Quality Standards for Class GA groundwater.
NCPHG = North Carolina Public Health Goal
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.
Blue highlights indicate a measurement higher than the North Carolina Public Health Goal Standard

TABLE 5
SURFACE WATER ANALYTICAL RESULTS SUMMARY (9/07)
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 Standards*	NC SWSL
	SW-1	SW-2	SW-3	SW-4	SW-5		
Acetone	BQL	5.3 J	68 J	1.7 J	6.3 J	ns	100
Chloroform	0.37 J	BQL	8.4	1.2 J	1.2 J	ns	5
Bromodichloromethane	BQL	BQL	6.5	0.66 J	0.48 J	ns	1
Toluene	BQL	4.2	BQL	BQL	BQL	11	1
Dibromochloromethane	BQL	BQL	2.8 J	BQL	BQL	ns	3

NC SWSL = North Carolina Solid Waste Section Limit
BQL = Analyte not detected above NC SWSL
** = 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.

TABLE 6
SURFACE WATER ANALYTICAL RESULTS SUMMARY (9/07)
APPENDIX I - METALS
PHASE I - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Compound	Sample Locations					NC SWSL	15A NCAC 2B
	SW-1	SW-2	SW-3	SW-4	SW-5	(µg/l)	Standards*
Barium	74.5 J	70.9J	16.8 J	23.0 J	24.0 J	100	ns
Cobalt	3.5 J	BQL	BQL	BQL	BQL	10	ns
Copper	11.2	BQL	10.3	8.40 J	10.1	10	7
Lead	11.2	2.0 J	BQL	BQL	BQL	10	25
Nickel	BQL	BQL	7.6 J	BQL	BQL	50	88
Thallium	0.053 J	0.050 J	0.045 J	0.055 J	0.054 J	5.5	ns
Vanadium	7.1 J	BQL	BQL	1.5 J	1.2 J	25	ns
Zinc	84.9	11.4	60.4	36.4	45.7	10	50

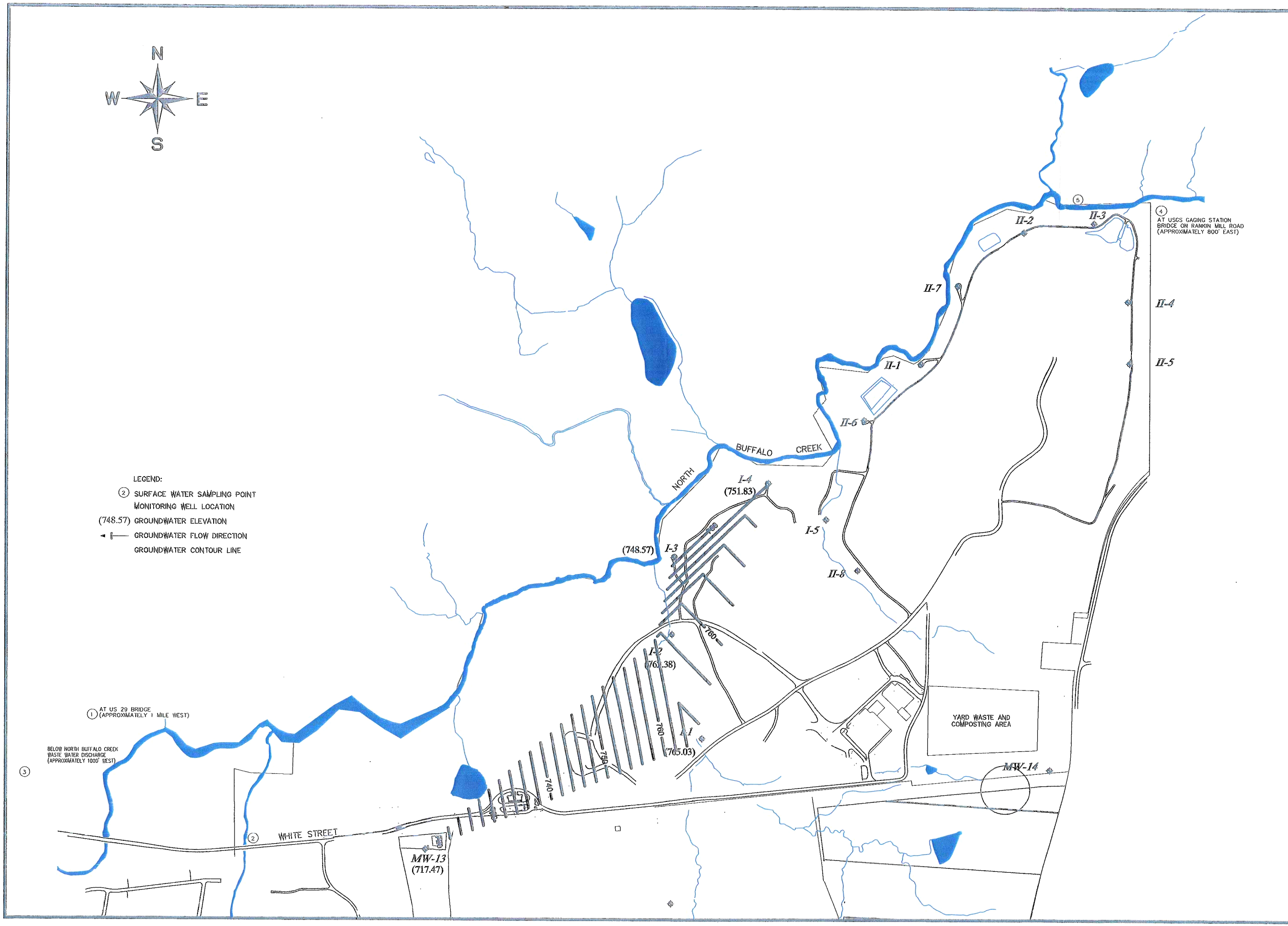
NC SWSL = North Carolina Solid Waste Section Limit
BQL = Analyte not detected above NC SWSL
** = Title 15A NCAC 2B Standards for Class B, C surface water*
J = Parameters are estimated values between the detection limit and the NC SWSL.
ns = Title 15A NCAC 2B provides no established standard for these constituents
Yellow highlights indicate a measurement higher than the NC SWSL.
Orange highlights indicate a measurement higher than 2B standards.

Table 7
Groundwater Analytical Results Summary (9/07)
Semi-Volatile Organic Compounds (EPA Method 8270)
Phase I - White Street Landfill
Greensboro, North Carolina
S&ME Project No. 1584-98-081

Compound	Sample Location MW-13	NC SWSL (µg/l)	NCAC 2L stds.
Bis(2-ethylhexyl)phthalate	2.5 J	15.0	ns

NC SWSL = North Carolina Solid Waste Section Limit
BQL = Analyte not detected above NC SWSL
J = Parameters are estimated values between the detection limit and the NC SWSL.
All concentrations reported in micrograms per liter (ug/L)
ns = Title 15A NCAC 2B provides no established standard for these constituents

FIGURES



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

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

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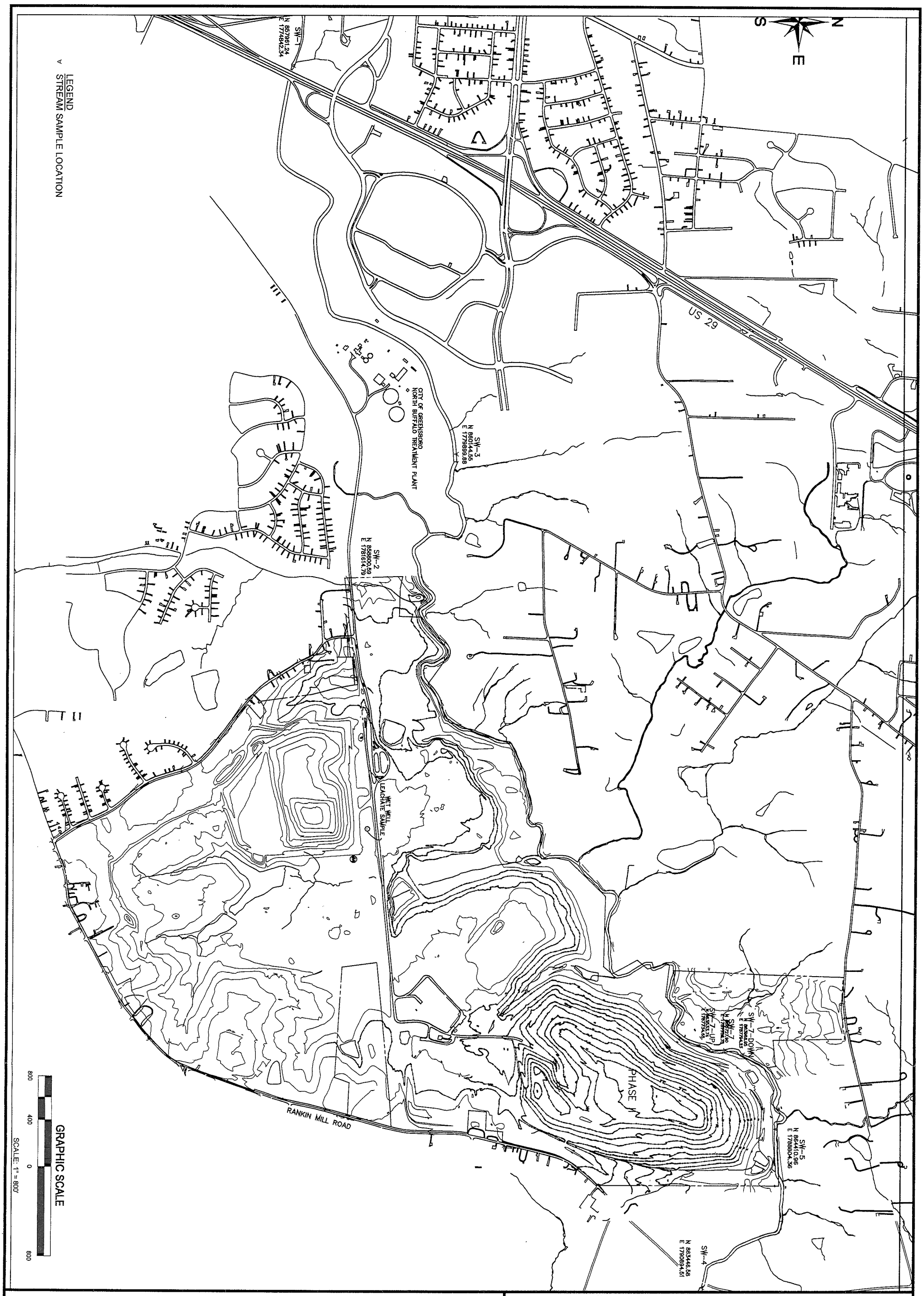

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STREAM SAMPLE LOCATION
PHASE I
WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA

SCALE: AS SHOWN	DRAWN BY: DSB/RDM	CHECKED BY: LE
JOB NO. 1584-98-081	DATE: NOVEMBER 2007	FIGURE NO. 2

APPENDIX A
Groundwater Sampling Field Data Sheets

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SURFACE WATER SAMPLING FIELD DATA

SITE NAME: White Street Landfill

Date: 9/25/07

S&ME PROJECT NO. 1584-98-081

Time : 0900

SAMPLE LOCATION: SW-1

Weather: SUNNY 80°

SAMPLED BY: GWS

FIELD ANALYSES

Temperature 17.06

Specific Conductance .305

pH 6.81

Physical Appearance and Odor CLEAR/NONE

Comments/Observations:

Samplers Initials: GWS

S&ME
ENVIRONMENTAL SERVICES · ENGINEERING · TESTING

SURFACE WATER SAMPLING FIELD DATA

SITE NAME: White Street Landfill

Date: 9/25/07

S&ME PROJECT NO. 1584-98-081

Time : 1100

SAMPLE LOCATION: SW-2

Weather: SUNNY 85°

SAMPLED BY: GWS

FIELD ANALYSES

Temperature 21.61

Specific Conductance .129

pH 7.28

Physical Appearance and Odor CLEAR/NONE

Comments/Observations:

Samplers Initials: GWS

S&ME
ENVIRONMENTAL SERVICES · ENGINEERING · TESTING

SURFACE WATER SAMPLING FIELD DATA

SITE NAME: White Street Landfill

Date: 9/25/07

S&ME PROJECT NO. 1584-98-081

Time : 1000

SAMPLE LOCATION: SW-3

Weather: SUNNY 85°

SAMPLED BY: GWS

FIELD ANALYSES

Temperature 23.84

Specific Conductance .567

pH 6.28

Physical Appearance and Odor CLEAR / NONE

Comments/Observations:

Samplers Initials: GWS

S&ME
ENVIRONMENTAL SERVICES · ENGINEERING · TESTING

SURFACE WATER SAMPLING FIELD DATA

SITE NAME: White Street Landfill

Date: 9/25/07

S&ME PROJECT NO. 1584-98-081

Time : 1200

SAMPLE LOCATION: SW-4

Weather: SUNNY 85°

SAMPLED BY: GWS

FIELD ANALYSES

Temperature 18.61

Specific Conductance .529

pH 7.36

Physical Appearance and Odor CLEAR/NONE

Comments/Observations:

Samplers Initials: GWS

S&ME
ENVIRONMENTAL SERVICES · ENGINEERING · TESTING

SURFACE WATER SAMPLING FIELD DATA

SITE NAME: White Street Landfill

Date: 9/25/07

S&ME PROJECT NO. 1584-98-081

Time : 1245

SAMPLE LOCATION: SW-5

Weather: SUNNY 90°

SAMPLED BY: GWS

FIELD ANALYSES

Temperature 18.48

Specific Conductance .540

pH 7.20

Physical Appearance and Odor CLEAR/NONE

Comments/Observations:

Samplers Initials: GWS

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Purge Date: 9/25/07
Project No.: 1584-98-081
Purge Time:
Source Well: F-1
Sample Date: 9/25/07
Locked? (Yes) No
Sample Time: 3:55
(PVC) Steel Stainless
Weather: clear
Sampled By: LSE/GS
Air Temp: 85°

Water Level and Well Data

Depth to water from measuring point: ~~10.94~~ 11.08 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 liter/min

Purge Time
Start: 3:30 Stop: 3:50

control settings changes? ~~2mm 29.0ft 24psi~~
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	3:30	3:35	3:40	3:45	3:50			
Temp	21.65	22.32	22.96	22.57	22.48			
pH	5.77	5.70	5.67	5.65	5.64			
Conductivity	2.19	2.18	2.17	2.20	2.21			
ORP*	-236	-233	-230	-232	-230			
D.O.*	1.17	1.11	1.04	0.92	0.86			
Turbidity*	50.5	61.1	66.8	56.3	51.0			
DTW	11.21	11.23	11.30	11.23				

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Purge Date: 9/25/07

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

Source Well: I-2
Sample Date: 9/25/07

Locked? (Yes) No
Sample Time: 3:05

(PVC) Steel Stainless
Weather: clear

Sampled By: LSE/GS
Air Temp: 80°

Water Level and Well Data

Depth to water from measuring point: 6.20 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
Start 2:10 Stop 3:00

Purge Rate: 5100 liter/min

control settings changes? 25on 25off 21psi

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	2:10	2:15	2:40	2:45	2:50	2:55	3:00	
Temp	24.11	24.37	22.04	23.34	23.34	24.07	24.49	
pH	6.27	6.22	6.28	6.22	6.21	6.18	6.18	
Conductivity	2.61	2.62	2.66	2.65	2.65	2.61	2.57	
ORP*	-213	-228	253	-255	-262	-261	-263	
D.O.*	1.51	1.06	0.64	0.59	0.51	0.53	0.51	
Turbidity*	66.7	98	194	252	301	309	323	
DTW	7.02	7.10	7.10	7.19	7.28	7.15	7.20	

comp. out of gas, fill up

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Purge Date:
Project No.: 1584-98-081
Purge Time:
Source Well: I-3
Sample Date: 9/25/07
Locked? Yes No
Sample Time: 11:45
PVC Steel Stainless
Weather: 70° clear
Sampled By: LE/GS
Air Temp:

Water Level and Well Data

Depth to water from measuring point: 16.08 feet
Depth to well bottom from measuring point: ~~16.08~~ 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: 5.100 liter/min
control settings changes? 4 on 25 off 23psi
Start: 11:05 Stop: 11:40
cycles:
duration:

Purge Time

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	11:10	11:15	11:20	11:25	11:30	11:35	11:40	
Temp	21.31	19.39	19.24	19.24	19.37	19.32	19.37	
pH	6.43	6.42	6.40	6.38	6.37	6.37	6.36	
Conductivity	2.85	3.13	3.14	3.15	3.16	3.16	3.17	
ORP*	-204	-231	-234	-239	239	-236	235	
D.O.*	1.97	0.97	0.77	0.66	0.61	0.55	0.51	
Turbidity*	5.24	3.53	3.23	7.73	10.09	10.68	11.09	
	16.41	16.32	16.50	16.60				

water level getting stuck

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Purge Date: 9/25/07

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

Source Well: I-4
Sample Date: ~~[illegible]~~ 12:35/9/25/07

Locked? (Yes) No
Sample Time: 12:35

(PVC) Steel Stainless
Weather: Clear

Sampled By: LE/GS
Air Temp: 70°

Water Level and Well Data

Depth to water from measuring point: 8.00 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: 5100 liter/min
Start 12:00 Stop 12:30

control settings changes? 2.5 on 25 off 16psi
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	12:05	12:10	12:15	12:20	12:25	12:30		
Temp	20.55	19.58	19.86	20.75	20.75	21.12		
pH	6.77	6.77	6.76	6.75	6.76	6.77		
Conductivity	2.15	2.16	2.20	2.28	2.41	2.51		
ORP*	219	-238	-236	-234	-236	-230		
D.O.*	0.69	0.43	0.41	0.55	0.60	0.72		
Turbidity*	69	27.5	27.6	28.3	29.3	33.5		
	8.85	9.80	10.30	10.49	10.58			

GROUNDWATER SAMPLING FIELD DATA

Location	White Street Landfill	Purge Date	9/26/07
Project No.	1584-98-081	Purge Time	
Source Well	MW-13	Sample Date	9/26/07
Locked?	(Yes) No	Sample Time	1700
(PVC) Steel Stainless		Weather	SUNNY
Sampled By	GWS	Air Temp	90°

Water Level and Well Data

Depth to water from measuring point	23.83	feet
Depth to well bottom from measuring point		feet
Height of water column		feet
Measuring Point	TOC	

NOTE: WELL WENT DRY BEFORE THE BOTTLES WERE FULL I FINISHED 4 LITERS ON THURSDAY 9/27 (USED THE SAME CONTROL SETTIN

Well Purging and Sample Collection

Purge Method: PUMP

Sample Method: PUMP

Sample Collection Time: Start 1620 Stop

Purge Rate: < 100 ml/ liter/min

Purge Time: Start 1545 Stop 1615

control settings changes? 4 ON 26 OFF @ 24 PSI

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) [redacted]

Field Analyses

* *Stabilization Parameters*

Time	1550	1555	1600	1605	1610	1615		
Temp	29.53	24.18	23.35	23.19	23.27	23.41		
pH	6.37	6.56	6.58	6.55	6.52	6.49		
Conductivity	1.349	.743	.624	.599	.590	.582		
ORP*	-172	-201	-212	-216	-217	-217		
D.O.*	2.83	2.98	2.84	2.74	2.73	2.72		
Turbidity*	6.84	6.20	6.02	6.37	5.32	5.48		
1½"	24.60	25.29	25.90	26.70	27.11	27.49		

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

Monday, October 8, 2007

S&ME, Inc. (SM004)

Attn: Edmund Henriques

3718 Old Battleground Rd.

Greensboro, NC 27410

RE: Laboratory Results for
Project Number: [none], Project Name/Desc: White Street Landfill AppI Voa/RCRA Metals
ENCO Workorder: C713538

Dear Edmund Henriques,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Thursday, September 27, 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.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. 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. Unless otherwise noted, all analyses were performed at ENCO Cary. 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,

Chuck Smith

Chuck Smith
Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 21.

www.encolabs.com

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: 4103 I-1 | Lab ID: C713538-01 | Sampled: 09/25/07 15:55 | Received: 09/27/07 14:05

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 6010B	03/23/08	09/28/07	08:46	10/1/2007	15:56
EPA 7470A	10/23/07	10/01/07	09:44	10/2/2007	12:46
EPA 8260B	10/09/07	10/07/07	16:33	10/8/2007	10:43

Client ID: 4103 I-2 | Lab ID: C713538-02 | Sampled: 09/25/07 15:05 | Received: 09/27/07 14:05

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 6010B	03/23/08	09/28/07	08:46	10/1/2007	16:32
EPA 7470A	10/23/07	10/01/07	09:44	10/2/2007	13:06
EPA 8260B	10/09/07	10/07/07	16:33	10/8/2007	11:12

Client ID: 4103 I-3 | Lab ID: C713538-03 | Sampled: 09/25/07 11:45 | Received: 09/27/07 14:05

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 6010B	03/23/08	09/28/07	08:46	10/1/2007	16:39
EPA 7470A	10/23/07	10/01/07	09:44	10/2/2007	13:08
EPA 8260B	10/09/07	10/07/07	16:33	10/8/2007	11:41

Client ID: 4103 I-4 | Lab ID: C713538-04 | Sampled: 09/25/07 12:35 | Received: 09/27/07 14:05

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 6010B	03/23/08	09/28/07	08:46	10/1/2007	16:46
EPA 7470A	10/23/07	10/01/07	09:44	10/2/2007	13:11
EPA 8260B	10/09/07	10/07/07	16:33	10/8/2007	13:09

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NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: 4103 I-1 Lab ID: C713538-01

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	1.7	J	1	0.090	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	3.5		1	0.15	1.0	1	ug/L	EPA 8260B	
Acetone	5.8	J	1	0.90	5.0	100	ug/L	EPA 8260B	
Barium	153		1	0.20	10.0	100	ug/L	EPA 6010B	
Benzene	1.3		1	0.12	1.0	1	ug/L	EPA 8260B	
Chlorobenzene	2.0	J	1	0.16	1.0	3	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	2.2	J	1	0.14	1.0	5	ug/L	EPA 8260B	
Mercury	3.96		1	0.11	0.20	0.2	ug/L	EPA 7470A	
Vinyl chloride	0.56	J	1	0.15	1.0	1	ug/L	EPA 8260B	

Client ID: 4103 I-2 Lab ID: C713538-02

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,2-Dichlorobenzene	1.2	J	1	0.17	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	1.4		1	0.15	1.0	1	ug/L	EPA 8260B	
Acetone	7.1	J	1	0.90	5.0	100	ug/L	EPA 8260B	
Barium	497		1	0.20	10.0	100	ug/L	EPA 6010B	
Chlorobenzene	4.2		1	0.16	1.0	3	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	0.45	J	1	0.14	1.0	5	ug/L	EPA 8260B	
Lead	3.6	J	1	2.0	10.0	10	ug/L	EPA 6010B	

Client ID: 4103 I-3 Lab ID: C713538-03

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	2.9	J	1	0.090	1.0	5	ug/L	EPA 8260B	
1,1-Dichloroethene	0.45	J	1	0.14	1.0	5	ug/L	EPA 8260B	
1,2-Dichlorobenzene	0.79	J	1	0.17	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	4.1		1	0.15	1.0	1	ug/L	EPA 8260B	
Acetone	9.1	J	1	0.90	5.0	100	ug/L	EPA 8260B	
Barium	125		1	0.20	10.0	100	ug/L	EPA 6010B	
Benzene	0.50	J	1	0.12	1.0	1	ug/L	EPA 8260B	
Chlorobenzene	11		1	0.16	1.0	3	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	1.3	J	1	0.14	1.0	5	ug/L	EPA 8260B	
Vinyl chloride	0.77	J	1	0.15	1.0	1	ug/L	EPA 8260B	

Client ID: 4103 I-4 Lab ID: C713538-04

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,2-Dichlorobenzene	0.48	J	1	0.17	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	5.4		1	0.15	1.0	1	ug/L	EPA 8260B	
Acetone	20	J	1	0.90	5.0	100	ug/L	EPA 8260B	
Barium	480		1	0.20	10.0	100	ug/L	EPA 6010B	
Benzene	0.50	J	1	0.12	1.0	1	ug/L	EPA 8260B	
Chlorobenzene	11		1	0.16	1.0	3	ug/L	EPA 8260B	

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ANALYTICAL RESULTS

Description: 4103 I-1
Matrix: Ground Water
Project: White Street Landfill Appl Voa/RCRA Metals

Lab Sample ID: C713538-01
Sampled: 09/25/07 15:55
Sampled By:

Received: 09/27/07 14:05
Work Order: C713538

Volatile Organic Compounds by GCMS

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/08/07 10:43	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/08/07 10:43	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/08/07 10:43	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/08/07 10:43	jkg	
1,1-Dichloroethane [75-34-3] *	**1.7**	J	ug/L	1	0.090	1.0	5	EPA 8260B	10/08/07 10:43	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/08/07 10:43	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/08/07 10:43	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	10/08/07 10:43	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/08/07 10:43	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/08/07 10:43	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/08/07 10:43	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/08/07 10:43	jkg	
1,4-Dichlorobenzene [106-46-7] *	**3.5**		ug/L	1	0.15	1.0	1	EPA 8260B	10/08/07 10:43	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	10/08/07 10:43	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	10/08/07 10:43	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	10/08/07 10:43	jkg	
Acetone [67-64-1] *	**5.8**	J	ug/L	1	0.90	5.0	100	EPA 8260B	10/08/07 10:43	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	10/08/07 10:43	jkg	
Benzene [71-43-2] *	**1.3**		ug/L	1	0.12	1.0	1	EPA 8260B	10/08/07 10:43	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	10/08/07 10:43	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/08/07 10:43	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	10/08/07 10:43	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	10/08/07 10:43	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	10/08/07 10:43	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/08/07 10:43	jkg	
Chlorobenzene [108-90-7] *	**2.0**	J	ug/L	1	0.16	1.0	3	EPA 8260B	10/08/07 10:43	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	10/08/07 10:43	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/08/07 10:43	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/08/07 10:43	jkg	
cis-1,2-Dichloroethene [156-59-2] *	**2.2**	J	ug/L	1	0.14	1.0	5	EPA 8260B	10/08/07 10:43	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/08/07 10:43	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	10/08/07 10:43	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/08/07 10:43	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/08/07 10:43	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	10/08/07 10:43	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	10/08/07 10:43	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/08/07 10:43	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	10/08/07 10:43	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/08/07 10:43	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	10/08/07 10:43	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	10/08/07 10:43	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	10/08/07 10:43	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/08/07 10:43	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/08/07 10:43	jkg	

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Description: 4103 I-1
Matrix: Ground Water
Project: White Street Landfill AppI Voa/RCRA Metals

Lab Sample ID: C713538-01
Sampled: 09/25/07 15:55
Sampled By:

Received: 09/27/07 14:05
Work Order: C713538

Volatile Organic Compounds by GCMS

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	10/08/07 10:43	jkg	
Vinyl chloride [75-01-4] *	**0.56**	J	ug/L	1	0.15	1.0	1	EPA 8260B	10/08/07 10:43	jkg	
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/08/07 10:43	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*41*	*1*	*50.0*	*83 %*	*53-138*	*7J07003*	*EPA 8260B*	*10/08/07 10:43*	*jkg*	
Dibromofluoromethane	*48*	*1*	*50.0*	*97 %*	*65-110*	*7J07003*	*EPA 8260B*	*10/08/07 10:43*	*jkg*	
Toluene-d8	*45*	*1*	*50.0*	*89 %*	*72-114*	*7J07003*	*EPA 8260B*	*10/08/07 10:43*	*jkg*	

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Description: 4103 I-1
Matrix: Ground Water
Project: White Street Landfill AppI Voa/RCRA Metals

Lab Sample ID: C713538-01
Sampled: 09/25/07 15:55
Sampled By:

Received: 09/27/07 14:05
Work Order: C713538

Metals by EPA 6000/7000 Series Methods

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Arsenic [7440-38-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/01/07 15:56	JDH	
Barium [7440-39-3] *	**153**		ug/L	1	0.20	10.0	100	EPA 6010B	10/01/07 15:56	JDH	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/01/07 15:56	JDH	
Chromium [7440-47-3] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/01/07 15:56	JDH	
Lead [7439-92-1] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/01/07 15:56	JDH	
Mercury [7439-97-6] *	**3.96**		ug/L	1	0.11	0.20	0.2	EPA 7470A	10/02/07 12:46	VLO	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/01/07 15:56	JDH	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/01/07 15:56	JDH	

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Description: 4103 I-2
Matrix: Ground Water
Project: White Street Landfill AppI Voa/RCRA Metals

Lab Sample ID: C713538-02
Sampled: 09/25/07 15:05
Sampled By:

Received: 09/27/07 14:05
Work Order: C713538

Volatile Organic Compounds by GCMS

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/08/07 11:12	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/08/07 11:12	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/08/07 11:12	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/08/07 11:12	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	10/08/07 11:12	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/08/07 11:12	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/08/07 11:12	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	10/08/07 11:12	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/08/07 11:12	jkg	
1,2-Dichlorobenzene [95-50-1] *	**1.2**	J	ug/L	1	0.17	1.0	5	EPA 8260B	10/08/07 11:12	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/08/07 11:12	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/08/07 11:12	jkg	
1,4-Dichlorobenzene [106-46-7] *	**1.4**		ug/L	1	0.15	1.0	1	EPA 8260B	10/08/07 11:12	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	10/08/07 11:12	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	10/08/07 11:12	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	10/08/07 11:12	jkg	
Acetone [67-64-1] *	**7.1**	J	ug/L	1	0.90	5.0	100	EPA 8260B	10/08/07 11:12	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	10/08/07 11:12	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/08/07 11:12	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	10/08/07 11:12	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/08/07 11:12	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	10/08/07 11:12	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	10/08/07 11:12	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	10/08/07 11:12	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/08/07 11:12	jkg	
Chlorobenzene [108-90-7] *	**4.2**		ug/L	1	0.16	1.0	3	EPA 8260B	10/08/07 11:12	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	10/08/07 11:12	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/08/07 11:12	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/08/07 11:12	jkg	
cis-1,2-Dichloroethene [156-59-2] *	**0.45**	J	ug/L	1	0.14	1.0	5	EPA 8260B	10/08/07 11:12	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/08/07 11:12	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	10/08/07 11:12	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/08/07 11:12	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/08/07 11:12	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	10/08/07 11:12	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	10/08/07 11:12	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/08/07 11:12	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	10/08/07 11:12	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/08/07 11:12	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	10/08/07 11:12	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	10/08/07 11:12	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	10/08/07 11:12	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/08/07 11:12	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/08/07 11:12	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	10/08/07 11:12	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/08/07 11:12	jkg	
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/08/07 11:12	jkg	

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Description: 4103 I-2
Matrix: Ground Water
Project: White Street Landfill Appl Voa/RCRA Metals

Lab Sample ID: C713538-02
Sampled: 09/25/07 15:05
Sampled By:

Received: 09/27/07 14:05
Work Order: C713538

Volatile Organic Compounds by GCMS

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*42*	*1*	*50.0*	*84 %*	*53-138*	*7J07003*	*EPA 8260B*	*10/08/07 11:12*	*jkg*	
Dibromofluoromethane	*48*	*1*	*50.0*	*97 %*	*65-110*	*7J07003*	*EPA 8260B*	*10/08/07 11:12*	*jkg*	
Toluene-d8	*43*	*1*	*50.0*	*86 %*	*72-114*	*7J07003*	*EPA 8260B*	*10/08/07 11:12*	*jkg*	

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Description: 4103 I-2
Matrix: Ground Water
Project: White Street Landfill AppI Voa/RCRA Metals

Lab Sample ID: C713538-02
Sampled: 09/25/07 15:05
Sampled By:

Received: 09/27/07 14:05
Work Order: C713538

Metals by EPA 6000/7000 Series Methods

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Arsenic [7440-38-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/01/07 16:32	JDH	
Barium [7440-39-3] *	**497**		ug/L	1	0.20	10.0	100	EPA 6010B	10/01/07 16:32	JDH	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/01/07 16:32	JDH	
Chromium [7440-47-3] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/01/07 16:32	JDH	
Lead [7439-92-1] *	**3.6**	J	ug/L	1	2.0	10.0	10	EPA 6010B	10/01/07 16:32	JDH	
Mercury [7439-97-6] *	0.11	U	ug/L	1	0.11	0.20	0.2	EPA 7470A	10/02/07 13:06	VLO	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/01/07 16:32	JDH	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/01/07 16:32	JDH	

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Description: 4103 I-3
Matrix: Ground Water
Project: White Street Landfill Appl Voa/RCRA Metals

Lab Sample ID: C713538-03
Sampled: 09/25/07 11:45
Sampled By:

Received: 09/27/07 14:05
Work Order: C713538

Volatile Organic Compounds by GCMS

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/08/07 11:41	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/08/07 11:41	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/08/07 11:41	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/08/07 11:41	jkg	
1,1-Dichloroethane [75-34-3] *	**2.9**	J	ug/L	1	0.090	1.0	5	EPA 8260B	10/08/07 11:41	jkg	
1,1-Dichloroethene [75-35-4] *	**0.45**	J	ug/L	1	0.14	1.0	5	EPA 8260B	10/08/07 11:41	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/08/07 11:41	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	10/08/07 11:41	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/08/07 11:41	jkg	
1,2-Dichlorobenzene [95-50-1] *	**0.79**	J	ug/L	1	0.17	1.0	5	EPA 8260B	10/08/07 11:41	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/08/07 11:41	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/08/07 11:41	jkg	
1,4-Dichlorobenzene [106-46-7] *	**4.1**		ug/L	1	0.15	1.0	1	EPA 8260B	10/08/07 11:41	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	10/08/07 11:41	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	10/08/07 11:41	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	10/08/07 11:41	jkg	
Acetone [67-64-1] *	**9.1**	J	ug/L	1	0.90	5.0	100	EPA 8260B	10/08/07 11:41	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	10/08/07 11:41	jkg	
Benzene [71-43-2] *	**0.50**	J	ug/L	1	0.12	1.0	1	EPA 8260B	10/08/07 11:41	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	10/08/07 11:41	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/08/07 11:41	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	10/08/07 11:41	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	10/08/07 11:41	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	10/08/07 11:41	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/08/07 11:41	jkg	
Chlorobenzene [108-90-7] *	**11**		ug/L	1	0.16	1.0	3	EPA 8260B	10/08/07 11:41	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	10/08/07 11:41	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/08/07 11:41	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/08/07 11:41	jkg	
cis-1,2-Dichloroethene [156-59-2] *	**1.3**	J	ug/L	1	0.14	1.0	5	EPA 8260B	10/08/07 11:41	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/08/07 11:41	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	10/08/07 11:41	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/08/07 11:41	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/08/07 11:41	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	10/08/07 11:41	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	10/08/07 11:41	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/08/07 11:41	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	10/08/07 11:41	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/08/07 11:41	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	10/08/07 11:41	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	10/08/07 11:41	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	10/08/07 11:41	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/08/07 11:41	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/08/07 11:41	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	10/08/07 11:41	jkg	
Vinyl chloride [75-01-4] *	**0.77**	J	ug/L	1	0.15	1.0	1	EPA 8260B	10/08/07 11:41	jkg	
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/08/07 11:41	jkg	

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Description: 4103 I-3
Matrix: Ground Water
Project: White Street Landfill Appl Voa/RCRA Metals

Lab Sample ID: C713538-03
Sampled: 09/25/07 11:45
Sampled By:

Received: 09/27/07 14:05
Work Order: C713538

Volatile Organic Compounds by GCMS

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*43*	*1*	*50.0*	*86 %*	*53-138*	*7J07003*	*EPA 8260B*	*10/08/07 11:41*	*jkg*	
Dibromofluoromethane	*48*	*1*	*50.0*	*96 %*	*65-110*	*7J07003*	*EPA 8260B*	*10/08/07 11:41*	*jkg*	
Toluene-d8	*43*	*1*	*50.0*	*85 %*	*72-114*	*7J07003*	*EPA 8260B*	*10/08/07 11:41*	*jkg*	

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Description: 4103 I-3
Matrix: Ground Water
Project: White Street Landfill AppI Voa/RCRA Metals

Lab Sample ID: C713538-03
Sampled: 09/25/07 11:45
Sampled By:

Received: 09/27/07 14:05
Work Order: C713538

Metals by EPA 6000/7000 Series Methods

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Arsenic [7440-38-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/01/07 16:39	JDH	
Barium [7440-39-3] *	**125**		ug/L	1	0.20	10.0	100	EPA 6010B	10/01/07 16:39	JDH	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/01/07 16:39	JDH	
Chromium [7440-47-3] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/01/07 16:39	JDH	
Lead [7439-92-1] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/01/07 16:39	JDH	
Mercury [7439-97-6] *	0.11	U	ug/L	1	0.11	0.20	0.2	EPA 7470A	10/02/07 13:08	VLO	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/01/07 16:39	JDH	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/01/07 16:39	JDH	

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Description: 4103 I-4
Matrix: Ground Water
Project: White Street Landfill AppI Voa/RCRA Metals

Lab Sample ID: C713538-04
Sampled: 09/25/07 12:35
Sampled By:

Received: 09/27/07 14:05
Work Order: C713538

Volatile Organic Compounds by GCMS

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/08/07 13:09	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/08/07 13:09	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/08/07 13:09	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/08/07 13:09	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	10/08/07 13:09	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/08/07 13:09	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/08/07 13:09	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	10/08/07 13:09	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/08/07 13:09	jkg	
1,2-Dichlorobenzene [95-50-1] *	**0.48**	J	ug/L	1	0.17	1.0	5	EPA 8260B	10/08/07 13:09	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/08/07 13:09	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/08/07 13:09	jkg	
1,4-Dichlorobenzene [106-46-7] *	**5.4**		ug/L	1	0.15	1.0	1	EPA 8260B	10/08/07 13:09	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	10/08/07 13:09	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	10/08/07 13:09	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	10/08/07 13:09	jkg	
Acetone [67-64-1] *	**20**	J	ug/L	1	0.90	5.0	100	EPA 8260B	10/08/07 13:09	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	10/08/07 13:09	jkg	
Benzene [71-43-2] *	**0.50**	J	ug/L	1	0.12	1.0	1	EPA 8260B	10/08/07 13:09	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	10/08/07 13:09	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/08/07 13:09	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	10/08/07 13:09	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	10/08/07 13:09	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	10/08/07 13:09	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/08/07 13:09	jkg	
Chlorobenzene [108-90-7] *	**11**		ug/L	1	0.16	1.0	3	EPA 8260B	10/08/07 13:09	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	10/08/07 13:09	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/08/07 13:09	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/08/07 13:09	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/08/07 13:09	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/08/07 13:09	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	10/08/07 13:09	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/08/07 13:09	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/08/07 13:09	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	10/08/07 13:09	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	10/08/07 13:09	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/08/07 13:09	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	10/08/07 13:09	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/08/07 13:09	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	10/08/07 13:09	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	10/08/07 13:09	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	10/08/07 13:09	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/08/07 13:09	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/08/07 13:09	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	10/08/07 13:09	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/08/07 13:09	jkg	
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/08/07 13:09	jkg	

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Description: 4103 I-4
Matrix: Ground Water
Project: White Street Landfill Appl Voa/RCRA Metals

Lab Sample ID: C713538-04
Sampled: 09/25/07 12:35
Sampled By:

Received: 09/27/07 14:05
Work Order: C713538

Volatile Organic Compounds by GCMS

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*43*	*1*	*50.0*	*86 %*	*53-138*	*7J07003*	*EPA 8260B*	*10/08/07 13:09*	*jkg*	
Dibromofluoromethane	*47*	*1*	*50.0*	*95 %*	*65-110*	*7J07003*	*EPA 8260B*	*10/08/07 13:09*	*jkg*	
Toluene-d8	*42*	*1*	*50.0*	*83 %*	*72-114*	*7J07003*	*EPA 8260B*	*10/08/07 13:09*	*jkg*	

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Description: 4103 I-4
Matrix: Ground Water
Project: White Street Landfill AppI Voa/RCRA Metals

Lab Sample ID: C713538-04
Sampled: 09/25/07 12:35
Sampled By:

Received: 09/27/07 14:05
Work Order: C713538

Metals by EPA 6000/7000 Series Methods

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Arsenic [7440-38-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/01/07 16:46	JDH	
Barium [7440-39-3] *	**480**		ug/L	1	0.20	10.0	100	EPA 6010B	10/01/07 16:46	JDH	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/01/07 16:46	JDH	
Chromium [7440-47-3] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/01/07 16:46	JDH	
Lead [7439-92-1] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/01/07 16:46	JDH	
Mercury [7439-97-6] *	0.11	U	ug/L	1	0.11	0.20	0.2	EPA 7470A	10/02/07 13:11	VLO	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/01/07 16:46	JDH	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/01/07 16:46	JDH	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 7J07003 - EPA 5030B_MS

Blank (7J07003-BLK1) Prepared: 10/07/2007 16:33 Analyzed: 10/08/2007 06:18

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloromethane	0.18	U	1.0	ug/L							
Vinyl chloride	0.15	U	1.0	ug/L							
Bromomethane	0.21	U	1.0	ug/L							
Chloroethane	0.40	U	1.0	ug/L							
Trichlorofluoromethane	0.16	U	1.0	ug/L							
1,1-Dichloroethene	0.14	U	1.0	ug/L							
Acetone	0.90	U	5.0	ug/L							
Iodomethane	0.23	U	2.0	ug/L							
Carbon disulfide	0.12	U	5.0	ug/L							
Methylene chloride	0.088	U	2.0	ug/L							
Acrylonitrile	2.0	U	5.0	ug/L							
trans-1,2-Dichloroethene	0.10	U	1.0	ug/L							
1,1-Dichloroethane	0.090	U	1.0	ug/L							
Vinyl acetate	0.19	U	2.0	ug/L							
2-Butanone	0.56	U	5.0	ug/L							
cis-1,2-Dichloroethene	0.14	U	1.0	ug/L							
Bromochloromethane	0.19	U	1.0	ug/L							
Chloroform	0.16	U	1.0	ug/L							
1,1,1-Trichloroethane	0.24	U	1.0	ug/L							
Carbon tetrachloride	0.38	U	1.0	ug/L							
1,2-Dichloroethane	0.36	U	1.0	ug/L							
Benzene	0.12	U	1.0	ug/L							
Trichloroethene	0.23	U	1.0	ug/L							
1,2-Dichloropropane	0.18	U	1.0	ug/L							
Dibromomethane	0.14	U	1.0	ug/L							
Bromodichloromethane	0.19	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.16	U	1.0	ug/L							
4-Methyl-2-pentanone	0.36	U	5.0	ug/L							
Toluene	0.15	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.18	U	0.20	ug/L							
1,1,2-Trichloroethane	0.24	U	1.0	ug/L							
Tetrachloroethene	0.25	U	1.0	ug/L							
2-Hexanone	0.24	U	5.0	ug/L							
Dibromochloromethane	0.18	U	1.0	ug/L							
1,2-Dibromoethane	0.19	U	1.0	ug/L							
Chlorobenzene	0.16	U	1.0	ug/L							
1,1,1,2-Tetrachloroethane	0.16	U	1.0	ug/L							
Ethylbenzene	0.17	U	1.0	ug/L							
Styrene	0.12	U	1.0	ug/L							
Bromoform	0.36	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.27	U	1.0	ug/L							
1,2,3-Trichloropropane	0.32	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.60	U	1.0	ug/L							
1,4-Dichlorobenzene	0.15	U	1.0	ug/L							
1,2-Dichlorobenzene	0.17	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.19	U	1.0	ug/L							
Xylenes (Total)	0.21	U	1.0	ug/L							
Surrogate: Dibromofluoromethane	*47*			*ug/L*	*50.0*		*93*	*65-110*			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 7J07003 - EPA 5030B_MS

Blank (7J07003-BLK1) Continued Prepared: 10/07/2007 16:33 Analyzed: 10/08/2007 06:18

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Toluene-d8	*43*			*ug/L*	*50.0*		*86*	*72-114*			
Surrogate: 4-Bromofluorobenzene	*45*			*ug/L*	*50.0*		*89*	*53-138*			

LCS (7J07003-BS1) Prepared: 10/07/2007 16:33 Analyzed: 10/08/2007 06:47

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0		100	43-131			
Benzene	21		1.0	ug/L	20.0		107	73-127			
Trichloroethene	20		1.0	ug/L	20.0		101	76-128			
Toluene	19		1.0	ug/L	20.0		93	71-112			
Chlorobenzene	18		1.0	ug/L	20.0		92	75-114			

Matrix Spike (7J07003-MS1) Prepared: 10/07/2007 16:33 Analyzed: 10/08/2007 07:16

Source: C714501-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0	0.14 U	96	43-131			
Benzene	21		1.0	ug/L	20.0	0.12 U	106	73-127			
Trichloroethene	21		1.0	ug/L	20.0	0.23 U	105	76-128			
Toluene	19		1.0	ug/L	20.0	0.15 U	97	71-112			
Chlorobenzene	20		1.0	ug/L	20.0	0.16 U	101	75-114			

Matrix Spike Dup (7J07003-MSD1) Prepared: 10/07/2007 16:33 Analyzed: 10/08/2007 07:45

Source: C714501-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0	0.14 U	97	43-131	0.3	16	
Benzene	20		1.0	ug/L	20.0	0.12 U	101	73-127	5	18	
Trichloroethene	20		1.0	ug/L	20.0	0.23 U	102	76-128	3	17	
Toluene	18		1.0	ug/L	20.0	0.15 U	91	71-112	7	23	
Chlorobenzene	19		1.0	ug/L	20.0	0.16 U	94	75-114	7	17	

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 7I28003 - EPA 3005A

Blank (7I28003-BLK1) Prepared: 09/28/2007 08:46 Analyzed: 10/01/2007 15:40

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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 (7I28003-BS1) Prepared: 09/28/2007 08:46 Analyzed: 10/01/2007 15:47

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 7I28003 - EPA 3005A

LCS (7I28003-BS1) Continued Prepared: 09/28/2007 08:46 Analyzed: 10/01/2007 15:47

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	0.5		0.01	mg/L	0.500		104	82-117			
Barium	0.53		0.01	mg/L	0.500		106	72-125			
Cadmium	0.27		0.001	mg/L	0.250		108	72-120			
Chromium	0.5		0.01	mg/L	0.500		104	78-119			
Lead	0.5		0.01	mg/L	0.500		105	72-121			
Selenium	0.5		0.01	mg/L	0.500		106	82-127			
Silver	0.05		0.01	mg/L	0.0500		98	80-128			

Matrix Spike (7I28003-MS1) Prepared: 09/28/2007 08:46 Analyzed: 10/01/2007 16:17

Source: C713538-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	0.5		0.01	mg/L	0.500	-0.004	104	64-126			
Barium	0.67		0.01	mg/L	0.500	0.15	103	74-119			
Cadmium	0.26		0.001	mg/L	0.250	-0.001	104	68-121			
Chromium	0.5		0.01	mg/L	0.500	-0.009	102	73-120			
Lead	0.5		0.01	mg/L	0.500	0.0002	100	68-126			
Selenium	0.5		0.01	mg/L	0.500	-0.002	107	65-129			
Silver	0.05		0.01	mg/L	0.0500	-0.0003	97	69-121			

Matrix Spike Dup (7I28003-MSD1) Prepared: 09/28/2007 08:46 Analyzed: 10/01/2007 16:24

Source: C713538-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	0.5		0.01	mg/L	0.500	-0.004	103	64-126	0.7	12	
Barium	0.66		0.01	mg/L	0.500	0.15	102	74-119	1	11	
Cadmium	0.26		0.001	mg/L	0.250	-0.001	103	68-121	0.6	12	
Chromium	0.5		0.01	mg/L	0.500	-0.009	102	73-120	0.7	10	
Lead	0.5		0.01	mg/L	0.500	0.0002	98	68-126	2	19	
Selenium	0.5		0.01	mg/L	0.500	-0.002	104	65-129	3	10	
Silver	0.05		0.01	mg/L	0.0500	-0.0003	95	69-121	1	12	

Batch 7J01003 - EPA 7470A

Blank (7J01003-BLK1) Prepared: 10/01/2007 09:44 Analyzed: 10/02/2007 12:40

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.11	U	0.20	ug/L							

LCS (7J01003-BS1) Prepared: 10/01/2007 09:44 Analyzed: 10/02/2007 12:43

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.89		0.20	ug/L	5.00		98	87-123			

Matrix Spike (7J01003-MS1) Prepared: 10/01/2007 09:44 Analyzed: 10/02/2007 12:48

Source: C713538-01

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 7J01003 - EPA 7470A

Matrix Spike (7J01003-MS1) Continued Prepared: 10/01/2007 09:44 Analyzed: 10/02/2007 12:48

Source: C713538-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	8.33		0.20	ug/L	5.00	3.96	87	63-132			

Matrix Spike Dup (7J01003-MSD1) Prepared: 10/01/2007 09:44 Analyzed: 10/02/2007 12:51

Source: C713538-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	8.63		0.20	ug/L	5.00	3.96	93	63-132	4	10	

Post Spike (7J01003-PS1) Prepared: 10/01/2007 09:44 Analyzed: 10/02/2007 12:59

Source: C713538-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	8.26		0.20	ug/L	5.00	3.96	86	85-115			

FLAGS/NOTES AND DEFINITIONS

B	The analyte was detected in the associated method blank.
D	The sample was analyzed at dilution.
J	The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.
U	The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
MRL	Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.

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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 32241-9568
(904) 296-3007 Fax (904) 296-6210

1915 Passport Way
Cary, NC 27513
(919) 677-1669 Fax (919) 677-1676

Page 1 of 1

Client Name: S&ME, Inc. (SM004)	Project Number: [none]
Address: 3718 Old Battleground Rd.	Project Name/Desc: White Street Landfill Appl Vrnl/RCRA Metals
City/ST/Zip: Greensboro, NC 27410	PO # / Billing Info:
Tel: (336) 288-7180 Fax: (336) 288-6980	Reporting Contact: Edmund Henriques
Sampler(s) Name, Affiliation (Print):	Billing Contact: Accounts Payable
Sampler(s) Signature:	Facility # (if applicable):

Requested Analyses: 8260B Appendix 1; Ag,As,Ba,Cd,Cr,Hg,Pb,Se

Preservative (See Codes) / Container(s) requested

Requested Turnaround Times

Note: Rush requests subject to acceptance by the facility

___ Standard

___ Expedited

Due ___/___/___

Lab Workorder: C713538

Item #	Sample Description (Identifier)	Collection Date	Collection Time	Comp/Grab	Matrix (see codes)	Total # of Containers	8260B Appendix 1	Ag,As,Ba,Cd,Cr,Hg,Pb,Se								Sample Comments
	41031-1	9/25/07	3:55	G	Water	4	X	X								
	41031-2	9/25/07	3:05	G	Water	4	X	X								
	41031-3	9/25/07	11:45	G	Water	4	X	X								
	41031-4	9/25/07	12:35	G	Water	4	X	X								

<- Total # of Containers

Sample Kit Prepared By: CAM	Date/Time: 9/19/07 1100	Relinquished By: [signature]	Date/Time: 9/27/07 1105	Received By:	Date/Time:
		Relinquished By:	Date/Time:	Received By:	Date/Time:
		Relinquished By:	Date/Time:	Received By: Brian Lugar	Date/Time: 9/28/07 1915
		Cooler #'s & Temps on Receipt: C-227 4.0°C		Condition Upon Receipt: Acceptable	Unacceptable

Matrix: GW-Groundwater SO-Soil SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Oil or other liquid or solid

Preservative: Use 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.

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Description: MW-13
Matrix: Water
Project: White Street LF App II/ SWs

Lab Sample ID: C713540-11
Sampled: 09/26/07 17:00
Sampled By:

Received: 09/27/07 14:05
Work Order: C713540

Volatile Organic Compounds by GCMS

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/09/07 01:18	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/09/07 01:18	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/09/07 01:18	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/09/07 01:18	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	10/09/07 01:18	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/09/07 01:18	jkg	
1,1-Dichloropropene [563-58-6] *	0.13	U	ug/L	1	0.13	1.0	5	EPA 8260B	10/09/07 01:18	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/09/07 01:18	jkg	
1,2,4-Trichlorobenzene [120-82-1] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/09/07 01:18	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	10/09/07 01:18	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/09/07 01:18	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/09/07 01:18	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/09/07 01:18	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/09/07 01:18	jkg	
1,3-Dichlorobenzene [541-73-1] *	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	10/09/07 01:18	jkg	
1,3-Dichloropropane [142-28-9] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/09/07 01:18	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/09/07 01:18	jkg	
2,2-Dichloropropane [594-20-7] *	0.16	U	ug/L	1	0.16	1.0	15	EPA 8260B	10/09/07 01:18	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	10/09/07 01:18	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	10/09/07 01:18	jkg	
3-Chloropropene [107-05-1] *	0.20	U	ug/L	1	0.20	1.0	10	EPA 8260B	10/09/07 01:18	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	10/09/07 01:18	jkg	
Acetone [67-64-1] *	**3.8**	J	ug/L	1	0.90	5.0	100	EPA 8260B	10/09/07 01:18	jkg	
Acetonitrile [75-05-8] *	1.8	U	ug/L	1	1.8	10	55	EPA 8260B	10/09/07 01:18	jkg	
Acrolein [107-02-8] *	2.1	U	ug/L	1	2.1	10	53	EPA 8260B	10/09/07 01:18	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	10/09/07 01:18	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/09/07 01:18	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	10/09/07 01:18	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/09/07 01:18	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	10/09/07 01:18	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	10/09/07 01:18	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	10/09/07 01:18	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/09/07 01:18	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	10/09/07 01:18	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	10/09/07 01:18	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/09/07 01:18	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/09/07 01:18	jkg	
Chloroprene [126-99-8] *	0.19	U	ug/L	1	0.19	1.0	20	EPA 8260B	10/09/07 01:18	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/09/07 01:18	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/09/07 01:18	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	10/09/07 01:18	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/09/07 01:18	jkg	
Dichlorodifluoromethane [75-71-8] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/09/07 01:18	jkg	
Ethyl Methacrylate [97-63-2] *	0.17	U	ug/L	1	0.17	2.0	10	EPA 8260B	10/09/07 01:18	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/09/07 01:18	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	10/09/07 01:18	jkg	

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Description: MW-13
Matrix: Water
Project: White Street LF App II/ SWs

Lab Sample ID: C713540-11
Sampled: 09/26/07 17:00
Sampled By:

Received: 09/27/07 14:05
Work Order: C713540

Volatile Organic Compounds by GCMS

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Isobutyl alcohol [78-83-1] *	8.4	U	ug/L	1	8.4	20	100	EPA 8260B	10/09/07 01:18	jkg	
m,p-Xylenes [108-38-3/106-42-3] *	0.21	U	ug/L	1	0.21	2.0	NE	EPA 8260B	10/09/07 01:18	jkg	
Methacrylonitrile [126-98-7] *	0.69	U	ug/L	1	0.69	10	100	EPA 8260B	10/09/07 01:18	jkg	
Methyl Methacrylate [80-62-6] *	0.38	U	ug/L	1	0.38	1.0	30	EPA 8260B	10/09/07 01:18	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	10/09/07 01:18	jkg	
Naphthalene [91-20-3] *	0.25	U	ug/L	1	0.25	1.0	10	EPA 8260B	10/09/07 01:18	jkg	
o-Xylene [95-47-6] *	0.14	U	ug/L	1	0.14	1.0	NE	EPA 8260B	10/09/07 01:18	jkg	
Propionitrile [107-12-0] *	1.6	U	ug/L	1	1.6	10	150	EPA 8260B	10/09/07 01:18	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/09/07 01:18	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	10/09/07 01:18	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/09/07 01:18	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	10/09/07 01:18	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	10/09/07 01:18	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	10/09/07 01:18	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/09/07 01:18	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/09/07 01:18	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	10/09/07 01:18	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/09/07 01:18	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*45*	*1*	*50.0*	*91 %*	*53-138*	*7J08028*	*EPA 8260B*	*10/09/07 01:18*	*jkg*	
Dibromofluoromethane	*44*	*1*	*50.0*	*89 %*	*65-110*	*7J08028*	*EPA 8260B*	*10/09/07 01:18*	*jkg*	
Toluene-d8	*44*	*1*	*50.0*	*87 %*	*72-114*	*7J08028*	*EPA 8260B*	*10/09/07 01:18*	*jkg*	

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Description: MW-13
Matrix: Water
Project: White Street LF App II/ SWs

Lab Sample ID: C713540-11
Sampled: 09/26/07 17:00
Sampled By:

Received: 09/27/07 14:05
Work Order: C713540

Semivolatile Organic Compounds by GCMS

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,2,4,5-Tetrachlorobenzene [95-94-3] *	1.7	U	ug/L	1	1.7	10	10	EPA 8270C	10/02/07 23:06	DFM	
1,3,5-Trinitrobenzene [99-35-4] *	1.4	U	ug/L	1	1.4	10	10	EPA 8270C	10/02/07 23:06	DFM	
1,3-Dinitrobenzene [99-65-0] *	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	10/02/07 23:06	DFM	
1,4-Naphthoquinone [130-15-4] *	3.0	U	ug/L	1	3.0	10	10	EPA 8270C	10/02/07 23:06	DFM	
1,4-Phenylenediamine [106-50-3] *	4.0	U	ug/L	1	4.0	10	10	EPA 8270C	10/02/07 23:06	DFM	
1-Naphthylamine [134-32-7] *	2.5	U	ug/L	1	2.5	10	10	EPA 8270C	10/02/07 23:06	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] *	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	10/02/07 23:06	DFM	
2,4,5-Trichlorophenol [95-95-4] *	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	10/02/07 23:06	DFM	
2,4,6-Trichlorophenol [88-06-2] *	1.4	U	ug/L	1	1.4	10	10	EPA 8270C	10/02/07 23:06	DFM	
2,4-Dichlorophenol [120-83-2] *	1.6	U	ug/L	1	1.6	10	10	EPA 8270C	10/02/07 23:06	DFM	
2,4-Dimethylphenol [105-67-9] *	3.0	U	ug/L	1	3.0	10	10	EPA 8270C	10/02/07 23:06	DFM	
2,4-Dinitrophenol [51-28-5] *	1.7	U	ug/L	1	1.7	10	50	EPA 8270C	10/02/07 23:06	DFM	
2,4-Dinitrotoluene [121-14-2] *	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	10/02/07 23:06	DFM	
2,6-Dichlorophenol [87-65-0] *	1.7	U	ug/L	1	1.7	10	10	EPA 8270C	10/02/07 23:06	DFM	
2,6-Dinitrotoluene [606-20-2] *	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	10/02/07 23:06	DFM	
2-Acetylaminofluorene [53-96-3] *	1.3	U	ug/L	1	1.3	10	20	EPA 8270C	10/02/07 23:06	DFM	
2-Chloronaphthalene [91-58-7] *	1.6	U	ug/L	1	1.6	10	10	EPA 8270C	10/02/07 23:06	DFM	
2-Chlorophenol [95-57-8] *	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	10/02/07 23:06	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] *	1.4	U	ug/L	1	1.4	10	50	EPA 8270C	10/02/07 23:06	DFM	
2-Methylnaphthalene [91-57-6] *	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	10/02/07 23:06	DFM	
2-Methylphenol [95-48-7] *	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	10/02/07 23:06	DFM	
2-Naphthylamine [91-59-8] *	4.0	U	ug/L	1	4.0	10	10	EPA 8270C	10/02/07 23:06	DFM	
2-Nitroaniline [88-74-4] *	1.2	U	ug/L	1	1.2	10	50	EPA 8270C	10/02/07 23:06	DFM	
2-Nitrophenol [88-75-5] *	1.8	U	ug/L	1	1.8	10	10	EPA 8270C	10/02/07 23:06	DFM	
3 & 4-Methylphenol	1.9	U	ug/L	1	1.9	20	10	EPA 8270C	10/02/07 23:06	DFM	
3,3'-Dichlorobenzidine [91-94-1] *	1.8	U	ug/L	1	1.8	10	20	EPA 8270C	10/02/07 23:06	DFM	
3,3'-Dimethylbenzidine [119-93-7] *	3.0	U	ug/L	1	3.0	10	10	EPA 8270C	10/02/07 23:06	DFM	
3-Methylcholanthrene [56-49-5] *	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	10/02/07 23:06	DFM	
3-Nitroaniline [99-09-2] *	1.6	U	ug/L	1	1.6	10	50	EPA 8270C	10/02/07 23:06	DFM	
4-Aminobiphenyl [92-67-1] *	3.1	U	ug/L	1	3.1	10	20	EPA 8270C	10/02/07 23:06	DFM	
4-Bromophenyl-phenylether [101-55-3] *	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	10/02/07 23:06	DFM	
4-Chloro-3-methylphenol [59-50-7] *	1.4	U	ug/L	1	1.4	10	20	EPA 8270C	10/02/07 23:06	DFM	
4-Chloroaniline [106-47-8] *	1.6	U	ug/L	1	1.6	10	20	EPA 8270C	10/02/07 23:06	DFM	
4-Chlorophenyl-phenylether [7005-72-3] *	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	10/02/07 23:06	DFM	
4-Nitroaniline [100-01-6] *	1.4	U	ug/L	1	1.4	10	20	EPA 8270C	10/02/07 23:06	DFM	
4-Nitrophenol [100-02-7] *	1.2	U	ug/L	1	1.2	10	50	EPA 8270C	10/02/07 23:06	DFM	
5-Nitro-o-toluidine [99-55-8] *	0.60	U	ug/L	1	0.60	10	10	EPA 8270C	10/02/07 23:06	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6] *	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	10/02/07 23:06	DFM	
Acenaphthene [83-32-9] *	1.4	U	ug/L	1	1.4	10	10	EPA 8270C	10/02/07 23:06	DFM	
Acenaphthylene [208-96-8] *	1.4	U	ug/L	1	1.4	10	10	EPA 8270C	10/02/07 23:06	DFM	
Acetophenone [98-86-2] *	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	10/02/07 23:06	DFM	
Anthracene [120-12-7] *	0.90	U	ug/L	1	0.90	10	10	EPA 8270C	10/02/07 23:06	DFM	
Benzo(a)anthracene [56-55-3] *	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	10/02/07 23:06	DFM	
Benzo(a)pyrene [50-32-8] *	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	10/02/07 23:06	DFM	
Benzo(b)fluoranthene [205-99-2] *	0.70	U	ug/L	1	0.70	10	10	EPA 8270C	10/02/07 23:06	DFM	

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Description: MW-13
Matrix: Water
Project: White Street LF App II/ SWs

Lab Sample ID: C713540-11
Sampled: 09/26/07 17:00
Sampled By:

Received: 09/27/07 14:05
Work Order: C713540

Semivolatile Organic Compounds by GCMS

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Benzo(g,h,i)perylene [191-24-2] *	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	10/02/07 23:06	DFM	
Benzo(k)fluoranthene [207-08-9] *	1.4	U	ug/L	1	1.4	10	10	EPA 8270C	10/02/07 23:06	DFM	
Benzyl alcohol [100-51-6] *	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	10/02/07 23:06	DFM	
Bis(2-chloroethoxy)methane [111-91-1] *	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	10/02/07 23:06	DFM	
Bis(2-chloroethyl)ether [111-44-4] *	2.1	U	ug/L	1	2.1	10	10	EPA 8270C	10/02/07 23:06	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] *	2.2	U	ug/L	1	2.2	10	10	EPA 8270C	10/02/07 23:06	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] *	**2.5**	J	ug/L	1	1.9	10	15	EPA 8270C	10/02/07 23:06	DFM	
Butylbenzylphthalate [85-68-7] *	1.4	U	ug/L	1	1.4	10	10	EPA 8270C	10/02/07 23:06	DFM	
Chlorobenzilate [510-15-6] *	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	10/02/07 23:06	DFM	
Chrysene [218-01-9] *	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	10/02/07 23:06	DFM	
Diallate [2303-16-4] *	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	10/02/07 23:06	DFM	
Dibenzo(a,h)anthracene [53-70-3] *	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	10/02/07 23:06	DFM	
Dibenzofuran [132-64-9] *	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	10/02/07 23:06	DFM	
Diethylphthalate [84-66-2] *	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	10/02/07 23:06	DFM	
Dimethoate [60-51-5] *	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	10/02/07 23:06	DFM	
Dimethylphthalate [131-11-3] *	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	10/02/07 23:06	DFM	
Di-n-butylphthalate [84-74-2] *	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	10/02/07 23:06	DFM	
Di-n-octylphthalate [117-84-0] *	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	10/02/07 23:06	DFM	
Disulfoton [298-04-4] *	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	10/02/07 23:06	DFM	
Ethyl methanesulfonate [62-50-0] *	1.1	U	ug/L	1	1.1	10	20	EPA 8270C	10/02/07 23:06	DFM	
Famphur [52-85-7] *	1.8	U	ug/L	1	1.8	10	20	EPA 8270C	10/02/07 23:06	DFM	
Fluoranthene [206-44-0] *	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	10/02/07 23:06	DFM	
Fluorene [86-73-7] *	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	10/02/07 23:06	DFM	
Hexachlorobenzene [118-74-1] *	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	10/02/07 23:06	DFM	
Hexachlorobutadiene [87-68-3] *	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	10/02/07 23:06	DFM	
Hexachlorocyclopentadiene [77-47-4] *	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	10/02/07 23:06	DFM	
Hexachloroethane [67-72-1] *	2.4	U	ug/L	1	2.4	10	10	EPA 8270C	10/02/07 23:06	DFM	
Hexachloropropene [1888-71-7] *	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	10/02/07 23:06	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] *	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	10/02/07 23:06	DFM	
Isodrin [465-73-6] *	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	10/02/07 23:06	DFM	
Isophorone [78-59-1] *	1.8	U	ug/L	1	1.8	10	10	EPA 8270C	10/02/07 23:06	DFM	
Isosafrole [120-58-1] *	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	10/02/07 23:06	DFM	
Kepone [143-50-0] *	1.5	U	ug/L	1	1.5	20	20	EPA 8270C	10/02/07 23:06	DFM	
Methapyrilene [91-80-5] *	3.8	U	ug/L	1	3.8	10	100	EPA 8270C	10/02/07 23:06	DFM	
Methyl Methanesulfonate [66-27-3] *	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	10/02/07 23:06	DFM	
Methyl parathion [298-00-0] *	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	10/02/07 23:06	DFM	
Nitrobenzene [98-95-3] *	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	10/02/07 23:06	DFM	
N-Nitrosodiethylamine [55-18-5] *	1.9	U	ug/L	1	1.9	10	20	EPA 8270C	10/02/07 23:06	DFM	
N-Nitrosodimethylamine [62-75-9] *	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	10/02/07 23:06	DFM	
N-Nitrosodi-n-butylamine [924-16-3] *	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	10/02/07 23:06	DFM	
N-Nitroso-di-n-propylamine [621-64-7] *	2.1	U	ug/L	1	2.1	10	10	EPA 8270C	10/02/07 23:06	DFM	
N-Nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4]	1.1	U	ug/L	1	1.1	10	10	EPA 8270C	10/02/07 23:06	DFM	
N-Nitrosomethylethylamine [10595-95-6] *	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	10/02/07 23:06	DFM	
N-Nitrosopiperidine [100-75-4] *	1.5	U	ug/L	1	1.5	10	20	EPA 8270C	10/02/07 23:06	DFM	
N-Nitrosopyrrolidine [930-55-2] *	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	10/02/07 23:06	DFM	

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Description: MW-13
Matrix: Water
Project: White Street LF App II/ SWs

Lab Sample ID: C713540-11
Sampled: 09/26/07 17:00
Sampled By:

Received: 09/27/07 14:05
Work Order: C713540

Semivolatile Organic Compounds by GCMS

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
O,O,O-Triethyl phosphorothioate [126-68-1] *	2.0	U	ug/L	1	2.0	10	10	EPA 8270C	10/02/07 23:06	DFM	
o-Toluidine [95-53-4] *	1.5	U	ug/L	1	1.5	10	10	EPA 8270C	10/02/07 23:06	DFM	
Parathion [56-38-2] *	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	10/02/07 23:06	DFM	
p-Dimethylaminoazobenzene [60-11-7] *	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	10/02/07 23:06	DFM	
Pentachlorobenzene [608-93-5] *	1.2	U	ug/L	1	1.2	10	10	EPA 8270C	10/02/07 23:06	DFM	
Pentachloronitrobenzene [82-68-8] *	1.1	U	ug/L	1	1.1	10	20	EPA 8270C	10/02/07 23:06	DFM	
Phenacetin [62-44-2] *	1.0	U	ug/L	1	1.0	10	20	EPA 8270C	10/02/07 23:06	DFM	
Phenanthrene [85-01-8] *	0.90	U	ug/L	1	0.90	10	10	EPA 8270C	10/02/07 23:06	DFM	
Phenol [108-95-2] *	1.5	U	ug/L	1	1.5	10	10	EPA 8270C	10/02/07 23:06	DFM	
Phorate [298-02-2] *	4.1	U	ug/L	1	4.1	10	10	EPA 8270C	10/02/07 23:06	DFM	
Pronamide [23950-58-5] *	1.0	U	ug/L	1	1.0	10	10	EPA 8270C	10/02/07 23:06	DFM	
Pyrene [129-00-0] *	1.3	U	ug/L	1	1.3	10	10	EPA 8270C	10/02/07 23:06	DFM	
Safrole [94-59-7] *	1.9	U	ug/L	1	1.9	10	10	EPA 8270C	10/02/07 23:06	DFM	
Thionazin [297-97-2] *	1.2	U	ug/L	1	1.2	10	20	EPA 8270C	10/02/07 23:06	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*79*	*1*	*100*	*79 %*	*40-124*	*7128033*	*EPA 8270C*	*10/02/07 23:06*	*DFM*	
2-Fluorobiphenyl	*40*	*1*	*50.0*	*80 %*	*36-100*	*7128033*	*EPA 8270C*	*10/02/07 23:06*	*DFM*	
2-Fluorophenol	*62*	*1*	*100*	*62 %*	*38-71*	*7128033*	*EPA 8270C*	*10/02/07 23:06*	*DFM*	
Nitrobenzene-d5	*40*	*1*	*50.0*	*79 %*	*45-92*	*7128033*	*EPA 8270C*	*10/02/07 23:06*	*DFM*	
Phenol-d5	*45*	*1*	*100*	*45 %*	*30-56*	*7128033*	*EPA 8270C*	*10/02/07 23:06*	*DFM*	
Terphenyl-d14	*61*	*1*	*50.0*	*123 %*	*50-139*	*7128033*	*EPA 8270C*	*10/02/07 23:06*	*DFM*	

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Description: MW-13
Matrix: Water
Project: White Street LF App II/ SWs

Lab Sample ID: C713540-11
Sampled: 09/26/07 17:00
Sampled By:

Received: 09/27/07 14:05
Work Order: C713540

Organochlorine Pesticides by GC

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
4,4'-DDD [72-54-8] *	0.0050	U	ug/L	1	0.0050	0.050	0.1	EPA 8081A	10/03/07 19:47	REF	
4,4'-DDE [72-55-9] *	0.0060	U	ug/L	1	0.0060	0.050	0.1	EPA 8081A	10/03/07 19:47	REF	
4,4'-DDT [50-29-3] *	0.0050	U	ug/L	1	0.0050	0.050	0.1	EPA 8081A	10/03/07 19:47	REF	
Aldrin [309-00-2] *	0.0030	U	ug/L	1	0.0030	0.050	0.05	EPA 8081A	10/03/07 19:47	REF	
alpha-BHC [319-84-6] *	0.0010	U	ug/L	1	0.0010	0.050	0.05	EPA 8081A	10/03/07 19:47	REF	
beta-BHC [319-85-7] *	0.0030	U	ug/L	1	0.0030	0.050	0.05	EPA 8081A	10/03/07 19:47	REF	
Chlordane (tech) [12789-03-6] *	0.020	U	ug/L	1	0.020	0.50	0.5	EPA 8081A	10/03/07 19:47	REF	
Chlordane-alpha [5103-71-9] *	0.0090	U	ug/L	1	0.0090	0.050	NE	EPA 8081A	10/03/07 19:47	REF	
Chlordane-gamma [NA] *	0.0050	U	ug/L	1	0.0050	0.050	NE	EPA 8081A	10/03/07 19:47	REF	
delta-BHC [319-86-8] *	0.0020	U	ug/L	1	0.0020	0.050	0.05	EPA 8081A	10/03/07 19:47	REF	
Dieldrin [60-57-1] *	0.0060	U	ug/L	1	0.0060	0.050	0.075	EPA 8081A	10/03/07 19:47	REF	
Endosulfan I [959-98-8] *	0.0040	U	ug/L	1	0.0040	0.050	0.1	EPA 8081A	10/03/07 19:47	REF	
Endosulfan II [33213-65-9] *	0.0040	U	ug/L	1	0.0040	0.050	0.1	EPA 8081A	10/03/07 19:47	REF	
Endosulfan sulfate [1031-07-8] *	0.0040	U	ug/L	1	0.0040	0.050	0.1	EPA 8081A	10/03/07 19:47	REF	
Endrin [72-20-8] *	0.0040	U	ug/L	1	0.0040	0.050	0.1	EPA 8081A	10/03/07 19:47	REF	
Endrin aldehyde [7421-93-4] *	0.0040	U	ug/L	1	0.0040	0.050	0.1	EPA 8081A	10/03/07 19:47	REF	
gamma-BHC [58-89-9] *	0.0020	U	ug/L	1	0.0020	0.050	0.05	EPA 8081A	10/03/07 19:47	REF	
Heptachlor [76-44-8] *	0.0030	U	ug/L	1	0.0030	0.050	0.05	EPA 8081A	10/03/07 19:47	REF	
Heptachlor epoxide [1024-57-3] *	0.0040	U	ug/L	1	0.0040	0.050	0.075	EPA 8081A	10/03/07 19:47	REF	
Methoxychlor [72-43-5] *	0.0060	U	ug/L	1	0.0060	0.050	1	EPA 8081A	10/03/07 19:47	REF	
Toxaphene [8001-35-2] *	0.67	U	ug/L	1	0.67	1.0	1.5	EPA 8081A	10/03/07 19:47	REF	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.67*	*1*	*1.00*	*67 %*	*39-151*	*7J01021*	*EPA 8081A*	*10/03/07 19:47*	*REF*	
Decachlorobiphenyl	*1.0*	*1*	*1.00*	*105 %*	*70-130*	*7J01021*	*EPA 8081A*	*10/03/07 19:47*	*REF*	

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Description: MW-13
Matrix: Water
Project: White Street LF App II/ SWs

Lab Sample ID: C713540-11
Sampled: 09/26/07 17:00
Sampled By:

Received: 09/27/07 14:05
Work Order: C713540

Polychlorinated Biphenyls by GC

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
PCB-1016/1242 [12674-11-2/53469-21-9] *	0.34	U	ug/L	1	0.34	1.0	2	EPA 8082	10/03/07 19:47	REF	
PCB-1221 [11104-28-2] *	0.70	U	ug/L	1	0.70	1.0	NE	EPA 8082	10/03/07 19:47	REF	
PCB-1232 [11141-16-5] *	0.80	U	ug/L	1	0.80	1.0	NE	EPA 8082	10/03/07 19:47	REF	
PCB-1248 [12672-29-6] *	0.70	U	ug/L	1	0.70	1.0	NE	EPA 8082	10/03/07 19:47	REF	
PCB-1254 [11097-69-1] *	0.50	U	ug/L	1	0.50	1.0	NE	EPA 8082	10/03/07 19:47	REF	
PCB-1260 [11096-82-5] *	0.21	U	ug/L	1	0.21	1.0	NE	EPA 8082	10/03/07 19:47	REF	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.67*	*1*	*1.00*	*67 %*	*39-151*	*7J01021*	*EPA 8082*	*10/03/07 19:47*	*REF*	
Decachlorobiphenyl	*1.0*	*1*	*1.00*	*105 %*	*70-130*	*7J01021*	*EPA 8082*	*10/03/07 19:47*	*REF*	

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Description: MW-13
Matrix: Water
Project: White Street LF App II/ SWs

Lab Sample ID: C713540-11
Sampled: 09/26/07 17:00
Sampled By:

Received: 09/27/07 14:05
Work Order: C713540

Metals by EPA 6000/7000 Series Methods

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] *	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	10/05/07 12:16	ZZZ	
Arsenic [7440-38-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/04/07 13:33	JDH	
Barium [7440-39-3] *	**130**		ug/L	1	0.20	10.0	100	EPA 6010B	10/04/07 13:33	JDH	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	10/04/07 13:33	JDH	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/04/07 13:33	JDH	
Chromium [7440-47-3] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/04/07 13:33	JDH	
Cobalt [7440-48-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/04/07 13:33	JDH	
Copper [7440-50-8] *	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	10/04/07 13:33	JDH	
Lead [7439-92-1] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/04/07 13:33	JDH	
Mercury [7439-97-6] *	0.11	U	ug/L	1	0.11	0.20	0.2	EPA 7470A	10/02/07 13:48	VLO	
Nickel [7440-02-0] *	2.0	U	ug/L	1	2.0	10.0	50	EPA 6010B	10/04/07 13:33	JDH	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/04/07 13:33	JDH	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/04/07 13:33	JDH	
Thallium [7440-28-0] *	**0.041**	J	ug/L	1	0.036	0.050	5.5	EPA 6020	10/05/07 12:16	ZZZ	
Tin [7440-31-5] *	2.0	U	ug/L	1	2.0	10.0	100	EPA 6010B	10/04/07 13:33	JDH	
Vanadium [7440-62-2] *	**2.3**	J	ug/L	1	1.0	10.0	25	EPA 6010B	10/04/07 13:33	JDH	
Zinc [7440-66-6] *	**2.5**	J	ug/L	1	1.0	10.0	10	EPA 6010B	10/04/07 13:33	JDH	

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Description: MW-13
Matrix: Water
Project: White Street LF App II/ SWs

Lab Sample ID: C713540-11
Sampled: 09/26/07 17:00
Sampled By:

Received: 09/27/07 14:05
Work Order: C713540

Chlorinated Herbicides by GC

** - ENCO Orlando certified analyte [NC 424]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
2,4,5-T [93-76-5] *	0.11	U	ug/L	1	0.11	0.30	2	EPA 8151A	10/09/07 15:38	RC	
2,4,5-TP (Silvex) [93-72-1] *	0.11	U	ug/L	1	0.11	0.30	2	EPA 8151A	10/09/07 15:38	RC	
2,4-D [94-75-7] *	0.12	U	ug/L	1	0.12	0.30	2	EPA 8151A	10/09/07 15:38	RC	
Dinoseb [88-85-7] *	0.23	U	ug/L	1	0.23	0.30	1	EPA 8151A	10/09/07 15:38	RC	
Pentachlorophenol [87-86-5] *	0.13	U	ug/L	1	0.13	0.30	25	EPA 8151A	10/09/07 15:38	RC	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*1.5*	*1*	*2.00*	*77 %*	*77-191*	*7J01016*	*EPA 8151A*	*10/09/07 15:38*	*RC*	

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Description: MW-13
Matrix: Water
Project: White Street LF App II/ SWs

Lab Sample ID: C713540-11
Sampled: 09/26/07 17:00
Sampled By:

Received: 09/27/07 14:05
Work Order: C713540

Classical Chemistry Parameters

** - ENCO Orlando certified analyte [NC 424]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Cyanide (total) [57-12-5] *	0.0054	U	mg/L	1	0.0054	0.010	10	EPA 335.2	10/04/07 20:50	AH	
Sulfide [18496-25-8] *	0.45	U	mg/L	1	0.45	1.0	1	EPA 376.1	10/02/07 16:18	AH	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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 32216-6068
(904) 296-3007 Fax (904) 296-6210

1005 Passport Way
Cary, NC 27513
(919) 677-1669 Fax (919) 677-2648

Page 1 of 2

Client Name: S&ME, Inc. (SM004)	Project Number: Tennet
Address: 3718 Old Battleground Rd.	Project Name/Desc: White Street LF App II/ SWs
City/St/Zip: Greensboro, NC 27410	PO # / Billing Info:
Tel: (336) 288-7180 Fax: (336) 288-8980	Reporting Contact: Edmund Henriques
Sampler(s) Name, Affiliation (Print):	Billing Contact: Accounts Payable
Sampler(s) Signature:	Facility # (if required):

Requested Analyses: 40 CFR Appendix I, 40 CFR Appendix II, 40 CFR Appendix IV, 40 CFR Appendix 9 / 8260B Appendix 1 / 8260B Appendix 2 / As, Ba, Be, Cd, Co, Cr, Cu, Fe, Hg, Ni, Pb, Se, Sn, Tl, V, Zn / Cyanide Total 335.2 / Sulfide 376.1

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

Lab Workorder: C713540

Preservation (See Codes) Containers as necessary

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers										Sample Comments
	I-5	9/26/07	1200	G	Water	12	X		X	X	X	X				
	II-1	9/26/07	1500	G	Water	12	X		X	X	X	X				
	II-2	9/27/07	1350	G	Water	12	X		X	X	X	X				
	II-3				Water	12	X		X	X	X	X				
	II-4				Water	12	X		X	X	X	X				
	II-5				Water	12	X		X	X	X	X				
	II-6				Water	12	X		X	X	X	X				
	II-7	9/27/07	1050	G	Water	12	X		X	X	X	X				
	II-7B	9/27/07	0900	G	Water	12	X		X	X	X	X				
	II-8	9/26/07	0900	G	Water	12	X		X	X	X	X				
	MW-13	9/26/07	1700	G	Water	12	X		X	X	X	X				
	MW-14	9/25/07	1700	G	Water	12	X		X	X	X	X				
							<-- Total # of Containers									

Sampler Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
CHM	9/19/07	[signature]	9/27/07 1405		
Courier Kit #		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By: Brian Gregory	Date/Time: 9/27/07 14:05

Order #'s & Terms of Account: C-118 4.6, C-210 4.0, C-167 4.3, ~~C-219~~, C-268 3.5

Condition of Sample Receipt: Acceptable / Unacceptable

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

Preservation: N Ice, H HCl, N HNO3, S H2SO4, NO NaOH, O Other (specify in comments)

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

C-273 4.2, ~~C-271~~, , ~~C-272~~, C-274 4.0, C-275 5.1,
C-269 2.5, C-282 1.8, C-283 4.6

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Description: 4112 SW-1
Matrix: Ground Water
Project: White Street Landfill Appl Monitoring Wells

Lab Sample ID: C713537-13
Sampled: 09/25/07 09:00
Sampled By: Gary Simcox

Received: 09/25/07 14:00
Work Order: C713537

Volatile Organic Compounds by GCMS

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/06/07 10:23	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/06/07 10:23	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/06/07 10:23	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/06/07 10:23	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	10/06/07 10:23	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/06/07 10:23	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/06/07 10:23	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	10/06/07 10:23	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/06/07 10:23	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/06/07 10:23	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/06/07 10:23	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/06/07 10:23	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/06/07 10:23	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	10/06/07 10:23	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	10/06/07 10:23	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	10/06/07 10:23	jkg	
Acetone [67-64-1] *	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	10/06/07 10:23	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	10/06/07 10:23	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/06/07 10:23	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	10/06/07 10:23	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/06/07 10:23	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	10/06/07 10:23	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	10/06/07 10:23	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	10/06/07 10:23	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/06/07 10:23	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	10/06/07 10:23	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	10/06/07 10:23	jkg	
Chloroform [67-66-3] *	**0.37**	J	ug/L	1	0.16	1.0	5	EPA 8260B	10/06/07 10:23	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/06/07 10:23	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/06/07 10:23	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/06/07 10:23	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	10/06/07 10:23	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/06/07 10:23	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/06/07 10:23	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	10/06/07 10:23	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	10/06/07 10:23	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/06/07 10:23	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	10/06/07 10:23	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/06/07 10:23	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	10/06/07 10:23	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	10/06/07 10:23	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	10/06/07 10:23	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/06/07 10:23	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/06/07 10:23	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	10/06/07 10:23	jkg	

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Description: 4112 SW-1
Matrix: Ground Water
Project: White Street Landfill Appl Monitoring Wells

Lab Sample ID: C713537-13
Sampled: 09/25/07 09:00
Sampled By: Gary Simcox

Received: 09/25/07 14:00
Work Order: C713537

Volatile Organic Compounds by GCMS

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/06/07 10:23	jkg	
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/06/07 10:23	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*46*	*1*	*50.0*	*93 %*	*53-138*	*7J05014*	*EPA 8260B*	*10/06/07 10:23*	*jkg*	
Dibromofluoromethane	*47*	*1*	*50.0*	*95 %*	*65-110*	*7J05014*	*EPA 8260B*	*10/06/07 10:23*	*jkg*	
Toluene-d8	*44*	*1*	*50.0*	*88 %*	*72-114*	*7J05014*	*EPA 8260B*	*10/06/07 10:23*	*jkg*	

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Description: 4112 SW-1
Matrix: Ground Water
Project: White Street Landfill Appl Monitoring Wells

Lab Sample ID: C713537-13
Sampled: 09/25/07 09:00
Sampled By: Gary Simcox

Received: 09/25/07 14:00
Work Order: C713537

Metals by EPA 6000/7000 Series Methods

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] *	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	10/05/07 13:05	ZZZ	
Arsenic [7440-38-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 16:41	JDH	
Barium [7440-39-3] *	**74.5**	J	ug/L	1	0.20	10.0	100	EPA 6010B	10/03/07 16:41	JDH	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	10/03/07 16:41	JDH	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/03/07 16:41	JDH	
Chromium [7440-47-3] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 16:41	JDH	
Cobalt [7440-48-4] *	**3.5**	J	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 16:41	JDH	
Copper [7440-50-8] *	**11.2**		ug/L	1	0.60	10.0	10	EPA 6010B	10/03/07 16:41	JDH	
Lead [7439-92-1] *	**11.2**		ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 16:41	JDH	
Nickel [7440-02-0] *	2.0	U	ug/L	1	2.0	10.0	50	EPA 6010B	10/03/07 16:41	JDH	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 16:41	JDH	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 16:41	JDH	
Thallium [7440-28-0] *	**0.053**	J	ug/L	1	0.036	0.050	5.5	EPA 6020	10/05/07 13:05	ZZZ	
Vanadium [7440-62-2] *	**7.1**	J	ug/L	1	1.0	10.0	25	EPA 6010B	10/03/07 16:41	JDH	
Zinc [7440-66-6] *	**84.9**		ug/L	1	1.0	10.0	10	EPA 6010B	10/03/07 16:41	JDH	

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Description: 4112 SW-2
Matrix: Ground Water
Project: White Street Landfill Appl Monitoring Wells

Lab Sample ID: C713537-14
Sampled: 09/25/07 11:00
Sampled By: Gary Simcox

Received: 09/25/07 14:00
Work Order: C713537

Volatile Organic Compounds by GCMS

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/06/07 10:52	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/06/07 10:52	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/06/07 10:52	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/06/07 10:52	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	10/06/07 10:52	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/06/07 10:52	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/06/07 10:52	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	10/06/07 10:52	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/06/07 10:52	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/06/07 10:52	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/06/07 10:52	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/06/07 10:52	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/06/07 10:52	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	10/06/07 10:52	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	10/06/07 10:52	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	10/06/07 10:52	jkg	
Acetone [67-64-1] *	**5.3**	J	ug/L	1	0.90	5.0	100	EPA 8260B	10/06/07 10:52	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	10/06/07 10:52	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/06/07 10:52	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	10/06/07 10:52	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/06/07 10:52	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	10/06/07 10:52	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	10/06/07 10:52	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	10/06/07 10:52	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/06/07 10:52	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	10/06/07 10:52	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	10/06/07 10:52	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/06/07 10:52	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/06/07 10:52	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/06/07 10:52	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/06/07 10:52	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	10/06/07 10:52	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/06/07 10:52	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/06/07 10:52	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	10/06/07 10:52	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	10/06/07 10:52	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/06/07 10:52	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	10/06/07 10:52	jkg	
Toluene [108-88-3] *	**4.2**		ug/L	1	0.15	1.0	1	EPA 8260B	10/06/07 10:52	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	10/06/07 10:52	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	10/06/07 10:52	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	10/06/07 10:52	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/06/07 10:52	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/06/07 10:52	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	10/06/07 10:52	jkg	

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Description: 4112 SW-2
Matrix: Ground Water
Project: White Street Landfill Appl Monitoring Wells

Lab Sample ID: C713537-14
Sampled: 09/25/07 11:00
Sampled By: Gary Simcox

Received: 09/25/07 14:00
Work Order: C713537

Volatile Organic Compounds by GCMS

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/06/07 10:52	jkg	
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/06/07 10:52	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*48*	*1*	*50.0*	*95 %*	*53-138*	*7J05014*	*EPA 8260B*	*10/06/07 10:52*	*jkg*	
Dibromofluoromethane	*48*	*1*	*50.0*	*96 %*	*65-110*	*7J05014*	*EPA 8260B*	*10/06/07 10:52*	*jkg*	
Toluene-d8	*44*	*1*	*50.0*	*88 %*	*72-114*	*7J05014*	*EPA 8260B*	*10/06/07 10:52*	*jkg*	

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Description: 4112 SW-2
Matrix: Ground Water
Project: White Street Landfill Appl Monitoring Wells

Lab Sample ID: C713537-14
Sampled: 09/25/07 11:00
Sampled By: Gary Simcox

Received: 09/25/07 14:00
Work Order: C713537

Metals by EPA 6000/7000 Series Methods

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] *	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	10/05/07 13:08	ZZZ	
Arsenic [7440-38-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 16:47	JDH	
Barium [7440-39-3] *	**70.9**	J	ug/L	1	0.20	10.0	100	EPA 6010B	10/03/07 16:47	JDH	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	10/03/07 16:47	JDH	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/03/07 16:47	JDH	
Chromium [7440-47-3] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 16:47	JDH	
Cobalt [7440-48-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 16:47	JDH	
Copper [7440-50-8] *	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	10/03/07 16:47	JDH	
Lead [7439-92-1] *	**2.0**	J	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 16:47	JDH	
Nickel [7440-02-0] *	2.0	U	ug/L	1	2.0	10.0	50	EPA 6010B	10/03/07 16:47	JDH	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 16:47	JDH	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 16:47	JDH	
Thallium [7440-28-0] *	**0.050**	J	ug/L	1	0.036	0.050	5.5	EPA 6020	10/05/07 13:08	ZZZ	
Vanadium [7440-62-2] *	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	10/03/07 16:47	JDH	
Zinc [7440-66-6] *	**11.4**		ug/L	1	1.0	10.0	10	EPA 6010B	10/03/07 16:47	JDH	

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Description: 4112 SW-3
Matrix: Ground Water
Project: White Street Landfill Appl Monitoring Wells

Lab Sample ID: C713537-15
Sampled: 09/25/07 10:00
Sampled By: Gary Simcox

Received: 09/25/07 14:00
Work Order: C713537

Volatile Organic Compounds by GCMS

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/06/07 11:21	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/06/07 11:21	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/06/07 11:21	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/06/07 11:21	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	10/06/07 11:21	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/06/07 11:21	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/06/07 11:21	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	10/06/07 11:21	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/06/07 11:21	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/06/07 11:21	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/06/07 11:21	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/06/07 11:21	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/06/07 11:21	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	10/06/07 11:21	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	10/06/07 11:21	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	10/06/07 11:21	jkg	
Acetone [67-64-1] *	**68**	J	ug/L	1	0.90	5.0	100	EPA 8260B	10/06/07 11:21	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	10/06/07 11:21	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/06/07 11:21	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	10/06/07 11:21	jkg	
Bromodichloromethane [75-27-4] *	**6.5**		ug/L	1	0.19	1.0	1	EPA 8260B	10/06/07 11:21	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	10/06/07 11:21	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	10/06/07 11:21	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	10/06/07 11:21	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/06/07 11:21	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	10/06/07 11:21	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	10/06/07 11:21	jkg	
Chloroform [67-66-3] *	**8.4**		ug/L	1	0.16	1.0	5	EPA 8260B	10/06/07 11:21	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/06/07 11:21	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/06/07 11:21	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/06/07 11:21	jkg	
Dibromochloromethane [124-48-1] *	**2.8**	J	ug/L	1	0.18	1.0	3	EPA 8260B	10/06/07 11:21	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/06/07 11:21	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/06/07 11:21	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	10/06/07 11:21	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	10/06/07 11:21	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/06/07 11:21	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	10/06/07 11:21	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/06/07 11:21	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	10/06/07 11:21	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	10/06/07 11:21	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	10/06/07 11:21	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/06/07 11:21	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/06/07 11:21	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	10/06/07 11:21	jkg	

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Description: 4112 SW-3
Matrix: Ground Water
Project: White Street Landfill Appl Monitoring Wells

Lab Sample ID: C713537-15
Sampled: 09/25/07 10:00
Sampled By: Gary Simcox

Received: 09/25/07 14:00
Work Order: C713537

Volatile Organic Compounds by GCMS

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/06/07 11:21	jkg	
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/06/07 11:21	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*47*	*1*	*50.0*	*93 %*	*53-138*	*7J05014*	*EPA 8260B*	*10/06/07 11:21*	*jkg*	
Dibromofluoromethane	*47*	*1*	*50.0*	*95 %*	*65-110*	*7J05014*	*EPA 8260B*	*10/06/07 11:21*	*jkg*	
Toluene-d8	*45*	*1*	*50.0*	*90 %*	*72-114*	*7J05014*	*EPA 8260B*	*10/06/07 11:21*	*jkg*	

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Description: 4112 SW-3
Matrix: Ground Water
Project: White Street Landfill Appl Monitoring Wells

Lab Sample ID: C713537-15
Sampled: 09/25/07 10:00
Sampled By: Gary Simcox

Received: 09/25/07 14:00
Work Order: C713537

Metals by EPA 6000/7000 Series Methods

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] *	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	10/05/07 13:15	ZZZ	
Arsenic [7440-38-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 16:54	JDH	
Barium [7440-39-3] *	**16.8**	J	ug/L	1	0.20	10.0	100	EPA 6010B	10/03/07 16:54	JDH	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	10/03/07 16:54	JDH	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/03/07 16:54	JDH	
Chromium [7440-47-3] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 16:54	JDH	
Cobalt [7440-48-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 16:54	JDH	
Copper [7440-50-8] *	**10.3**		ug/L	1	0.60	10.0	10	EPA 6010B	10/03/07 16:54	JDH	
Lead [7439-92-1] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 16:54	JDH	
Nickel [7440-02-0] *	**7.6**	J	ug/L	1	2.0	10.0	50	EPA 6010B	10/03/07 16:54	JDH	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 16:54	JDH	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 16:54	JDH	
Thallium [7440-28-0] *	**0.045**	J	ug/L	1	0.036	0.050	5.5	EPA 6020	10/05/07 13:15	ZZZ	
Vanadium [7440-62-2] *	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	10/03/07 16:54	JDH	
Zinc [7440-66-6] *	**60.4**		ug/L	1	1.0	10.0	10	EPA 6010B	10/03/07 16:54	JDH	

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Description: 4103 SW-4
Matrix: Ground Water
Project: White Street Landfill Appl Monitoring Wells

Lab Sample ID: C713537-16
Sampled: 09/25/07 12:00
Sampled By: Gary Simcox

Received: 09/25/07 14:00
Work Order: C713537

Volatile Organic Compounds by GCMS

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/07/07 10:12	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/07/07 10:12	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/07/07 10:12	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/07/07 10:12	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	10/07/07 10:12	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/07/07 10:12	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/07/07 10:12	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	10/07/07 10:12	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/07/07 10:12	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/07/07 10:12	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/07/07 10:12	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/07/07 10:12	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/07/07 10:12	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	10/07/07 10:12	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	10/07/07 10:12	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	10/07/07 10:12	jkg	
Acetone [67-64-1] *	**1.7**	J	ug/L	1	0.90	5.0	100	EPA 8260B	10/07/07 10:12	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	10/07/07 10:12	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/07/07 10:12	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	10/07/07 10:12	jkg	
Bromodichloromethane [75-27-4] *	**0.66**	J	ug/L	1	0.19	1.0	1	EPA 8260B	10/07/07 10:12	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	10/07/07 10:12	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	10/07/07 10:12	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	10/07/07 10:12	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/07/07 10:12	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	10/07/07 10:12	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	10/07/07 10:12	jkg	
Chloroform [67-66-3] *	**1.2**	J	ug/L	1	0.16	1.0	5	EPA 8260B	10/07/07 10:12	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/07/07 10:12	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/07/07 10:12	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/07/07 10:12	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	10/07/07 10:12	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/07/07 10:12	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/07/07 10:12	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	10/07/07 10:12	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	10/07/07 10:12	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/07/07 10:12	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	10/07/07 10:12	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/07/07 10:12	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	10/07/07 10:12	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	10/07/07 10:12	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	10/07/07 10:12	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/07/07 10:12	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/07/07 10:12	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	10/07/07 10:12	jkg	

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Description: 4103 SW-4
Matrix: Ground Water
Project: White Street Landfill Appl Monitoring Wells

Lab Sample ID: C713537-16
Sampled: 09/25/07 12:00
Sampled By: Gary Simcox

Received: 09/25/07 14:00
Work Order: C713537

Volatile Organic Compounds by GCMS

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/07/07 10:12	jkg	
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/07/07 10:12	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*46*	*1*	*50.0*	*92 %*	*53-138*	*7J06003*	*EPA 8260B*	*10/07/07 10:12*	*jkg*	
Dibromofluoromethane	*47*	*1*	*50.0*	*95 %*	*65-110*	*7J06003*	*EPA 8260B*	*10/07/07 10:12*	*jkg*	
Toluene-d8	*45*	*1*	*50.0*	*90 %*	*72-114*	*7J06003*	*EPA 8260B*	*10/07/07 10:12*	*jkg*	

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Description: 4103 SW-4
Matrix: Ground Water
Project: White Street Landfill Appl Monitoring Wells

Lab Sample ID: C713537-16
Sampled: 09/25/07 12:00
Sampled By: Gary Simcox

Received: 09/25/07 14:00
Work Order: C713537

Metals by EPA 6000/7000 Series Methods

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] *	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	10/05/07 13:18	ZZZ	
Arsenic [7440-38-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 17:01	JDH	
Barium [7440-39-3] *	**23.0**	J	ug/L	1	0.20	10.0	100	EPA 6010B	10/03/07 17:01	JDH	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	10/03/07 17:01	JDH	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/03/07 17:01	JDH	
Chromium [7440-47-3] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 17:01	JDH	
Cobalt [7440-48-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 17:01	JDH	
Copper [7440-50-8] *	**8.40**	J	ug/L	1	0.60	10.0	10	EPA 6010B	10/03/07 17:01	JDH	
Lead [7439-92-1] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 17:01	JDH	
Nickel [7440-02-0] *	2.0	U	ug/L	1	2.0	10.0	50	EPA 6010B	10/03/07 17:01	JDH	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 17:01	JDH	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 17:01	JDH	
Thallium [7440-28-0] *	**0.055**	J	ug/L	1	0.036	0.050	5.5	EPA 6020	10/05/07 13:18	ZZZ	
Vanadium [7440-62-2] *	**1.5**	J	ug/L	1	1.0	10.0	25	EPA 6010B	10/03/07 17:01	JDH	
Zinc [7440-66-6] *	**36.4**		ug/L	1	1.0	10.0	10	EPA 6010B	10/03/07 17:01	JDH	

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Description: 4103 SW-5
Matrix: Ground Water
Project: White Street Landfill Appl Monitoring Wells

Lab Sample ID: C713537-17
Sampled: 09/25/07 12:45
Sampled By: Gary Simcox

Received: 09/25/07 14:00
Work Order: C713537

Volatile Organic Compounds by GCMS

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/08/07 02:25	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/08/07 02:25	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/08/07 02:25	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/08/07 02:25	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	10/08/07 02:25	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/08/07 02:25	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/08/07 02:25	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	10/08/07 02:25	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/08/07 02:25	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/08/07 02:25	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/08/07 02:25	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/08/07 02:25	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/08/07 02:25	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	10/08/07 02:25	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	10/08/07 02:25	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	10/08/07 02:25	jkg	
Acetone [67-64-1] *	**6.3**	J	ug/L	1	0.90	5.0	100	EPA 8260B	10/08/07 02:25	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	10/08/07 02:25	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/08/07 02:25	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	10/08/07 02:25	jkg	
Bromodichloromethane [75-27-4] *	**0.48**	J	ug/L	1	0.19	1.0	1	EPA 8260B	10/08/07 02:25	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	10/08/07 02:25	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	10/08/07 02:25	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	10/08/07 02:25	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/08/07 02:25	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	10/08/07 02:25	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	10/08/07 02:25	jkg	
Chloroform [67-66-3] *	**1.2**	J	ug/L	1	0.16	1.0	5	EPA 8260B	10/08/07 02:25	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/08/07 02:25	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/08/07 02:25	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/08/07 02:25	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	10/08/07 02:25	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/08/07 02:25	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/08/07 02:25	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	10/08/07 02:25	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	10/08/07 02:25	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/08/07 02:25	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	10/08/07 02:25	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/08/07 02:25	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	10/08/07 02:25	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	10/08/07 02:25	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	10/08/07 02:25	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/08/07 02:25	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/08/07 02:25	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	10/08/07 02:25	jkg	

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Description: 4103 SW-5
Matrix: Ground Water
Project: White Street Landfill Appl Monitoring Wells

Lab Sample ID: C713537-17
Sampled: 09/25/07 12:45
Sampled By: Gary Simcox

Received: 09/25/07 14:00
Work Order: C713537

Volatile Organic Compounds by GCMS

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/08/07 02:25	jkg	
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/08/07 02:25	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*47*	*1*	*50.0*	*93 %*	*53-138*	*7J07002*	*EPA 8260B*	*10/08/07 02:25*	*jkg*	
Dibromofluoromethane	*51*	*1*	*50.0*	*102 %*	*65-110*	*7J07002*	*EPA 8260B*	*10/08/07 02:25*	*jkg*	
Toluene-d8	*44*	*1*	*50.0*	*87 %*	*72-114*	*7J07002*	*EPA 8260B*	*10/08/07 02:25*	*jkg*	

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Description: 4103 SW-5
Matrix: Ground Water
Project: White Street Landfill Appl Monitoring Wells

Lab Sample ID: C713537-17
Sampled: 09/25/07 12:45
Sampled By: Gary Simcox

Received: 09/25/07 14:00
Work Order: C713537

Metals by EPA 6000/7000 Series Methods

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] *	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	10/05/07 13:20	ZZZ	
Arsenic [7440-38-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 17:08	JDH	
Barium [7440-39-3] *	**24.0**	J	ug/L	1	0.20	10.0	100	EPA 6010B	10/03/07 17:08	JDH	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	10/03/07 17:08	JDH	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/03/07 17:08	JDH	
Chromium [7440-47-3] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 17:08	JDH	
Cobalt [7440-48-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 17:08	JDH	
Copper [7440-50-8] *	**10.1**		ug/L	1	0.60	10.0	10	EPA 6010B	10/03/07 17:08	JDH	
Lead [7439-92-1] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 17:08	JDH	
Nickel [7440-02-0] *	2.0	U	ug/L	1	2.0	10.0	50	EPA 6010B	10/03/07 17:08	JDH	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 17:08	JDH	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 17:08	JDH	
Thallium [7440-28-0] *	**0.054**	J	ug/L	1	0.036	0.050	5.5	EPA 6020	10/05/07 13:20	ZZZ	
Vanadium [7440-62-2] *	**1.2**	J	ug/L	1	1.0	10.0	25	EPA 6010B	10/03/07 17:08	JDH	
Zinc [7440-66-6] *	**45.7**		ug/L	1	1.0	10.0	10	EPA 6010B	10/03/07 17:08	JDH	

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Description: 4112 Trip Blank#3
Matrix: Ground Water
Project: White Street Landfill Appl Monitoring Wells

Lab Sample ID: C713537-19
Sampled: 09/24/07 00:00
Sampled By:

Received: 09/25/07 14:00
Work Order: C713537

Volatile Organic Compounds by GCMS

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/05/07 08:39	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/05/07 08:39	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/05/07 08:39	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/05/07 08:39	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	10/05/07 08:39	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/05/07 08:39	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/05/07 08:39	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	10/05/07 08:39	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/05/07 08:39	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/05/07 08:39	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/05/07 08:39	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/05/07 08:39	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/05/07 08:39	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	10/05/07 08:39	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	10/05/07 08:39	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	10/05/07 08:39	jkg	
Acetone [67-64-1] *	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	10/05/07 08:39	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	10/05/07 08:39	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/05/07 08:39	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	10/05/07 08:39	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/05/07 08:39	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	10/05/07 08:39	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	10/05/07 08:39	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	10/05/07 08:39	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/05/07 08:39	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	10/05/07 08:39	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	10/05/07 08:39	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/05/07 08:39	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/05/07 08:39	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/05/07 08:39	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/05/07 08:39	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	10/05/07 08:39	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/05/07 08:39	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/05/07 08:39	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	10/05/07 08:39	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	10/05/07 08:39	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/05/07 08:39	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	10/05/07 08:39	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/05/07 08:39	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	10/05/07 08:39	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	10/05/07 08:39	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	10/05/07 08:39	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/05/07 08:39	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/05/07 08:39	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	10/05/07 08:39	jkg	

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Description: 4112 Trip Blank#3
Matrix: Ground Water
Project: White Street Landfill AppI Monitoring Wells

Lab Sample ID: C713537-19
Sampled: 09/24/07 00:00
Sampled By:

Received: 09/25/07 14:00
Work Order: C713537

Volatile Organic Compounds by GCMS

** - ENCO Cary certified analyte [NC 591]*

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/05/07 08:39	jkg	
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/05/07 08:39	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*46*	*1*	*50.0*	*93 %*	*53-138*	*7J04015*	*EPA 8260B*	*10/05/07 08:39*	*jkg*	
Dibromofluoromethane	*47*	*1*	*50.0*	*94 %*	*65-110*	*7J04015*	*EPA 8260B*	*10/05/07 08:39*	*jkg*	
Toluene-d8	*44*	*1*	*50.0*	*89 %*	*72-114*	*7J04015*	*EPA 8260B*	*10/05/07 08:39*	*jkg*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 7J04015 - EPA 5030B_MS

Blank (7J04015-BLK1) Prepared: 10/04/2007 11:39 Analyzed: 10/04/2007 23:25

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloromethane	0.18	U	1.0	ug/L							
Vinyl chloride	0.15	U	1.0	ug/L							
Bromomethane	0.21	U	1.0	ug/L							
Chloroethane	0.40	U	1.0	ug/L							
Trichlorofluoromethane	0.16	U	1.0	ug/L							
1,1-Dichloroethene	0.14	U	1.0	ug/L							
Acetone	0.90	U	5.0	ug/L							
Iodomethane	0.23	U	2.0	ug/L							
Carbon disulfide	0.12	U	5.0	ug/L							
Methylene chloride	0.088	U	2.0	ug/L							
Acrylonitrile	2.0	U	5.0	ug/L							
trans-1,2-Dichloroethene	0.10	U	1.0	ug/L							
1,1-Dichloroethane	0.090	U	1.0	ug/L							
Vinyl acetate	0.19	U	2.0	ug/L							
2-Butanone	0.56	U	5.0	ug/L							
cis-1,2-Dichloroethene	0.14	U	1.0	ug/L							
Bromochloromethane	0.19	U	1.0	ug/L							
Chloroform	0.16	U	1.0	ug/L							
1,1,1-Trichloroethane	0.24	U	1.0	ug/L							
Carbon tetrachloride	0.38	U	1.0	ug/L							
1,2-Dichloroethane	0.36	U	1.0	ug/L							
Benzene	0.12	U	1.0	ug/L							
Trichloroethene	0.23	U	1.0	ug/L							
1,2-Dichloropropane	0.18	U	1.0	ug/L							
Dibromomethane	0.14	U	1.0	ug/L							
Bromodichloromethane	0.19	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.16	U	1.0	ug/L							
4-Methyl-2-pentanone	0.36	U	5.0	ug/L							
Toluene	0.15	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.18	U	0.20	ug/L							
1,1,2-Trichloroethane	0.24	U	1.0	ug/L							
Tetrachloroethene	0.25	U	1.0	ug/L							
2-Hexanone	0.24	U	5.0	ug/L							
Dibromochloromethane	0.18	U	1.0	ug/L							
1,2-Dibromoethane	0.19	U	1.0	ug/L							
Chlorobenzene	0.16	U	1.0	ug/L							
1,1,1,2-Tetrachloroethane	0.16	U	1.0	ug/L							
Ethylbenzene	0.17	U	1.0	ug/L							
Styrene	0.12	U	1.0	ug/L							
Bromoform	0.36	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.27	U	1.0	ug/L							
1,2,3-Trichloropropane	0.32	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.60	U	1.0	ug/L							
1,4-Dichlorobenzene	0.15	U	1.0	ug/L							
1,2-Dichlorobenzene	0.17	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.19	U	1.0	ug/L							
Xylenes (Total)	0.21	U	1.0	ug/L							
Surrogate: Dibromofluoromethane	*48*			*ug/L*	*50.0*		*97*	*65-110*			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 7J04015 - EPA 5030B_MS

Blank (7J04015-BLK1) Continued Prepared: 10/04/2007 11:39 Analyzed: 10/04/2007 23:25

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Toluene-d8	*45*			*ug/L*	*50.0*		*89*	*72-114*			
Surrogate: 4-Bromofluorobenzene	*44*			*ug/L*	*50.0*		*88*	*53-138*			

LCS (7J04015-BS1) Prepared: 10/04/2007 11:39 Analyzed: 10/04/2007 23:55

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0		95	43-131			
Benzene	20		1.0	ug/L	20.0		102	73-127			
Trichloroethene	20		1.0	ug/L	20.0		98	76-128			
Toluene	17		1.0	ug/L	20.0		86	71-112			
Chlorobenzene	18		1.0	ug/L	20.0		90	75-114			

Matrix Spike (7J04015-MS1) Prepared: 10/04/2007 11:39 Analyzed: 10/05/2007 00:24

Source: C714262-10

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0	0.14 U	96	43-131			
Benzene	20		1.0	ug/L	20.0	0.12 U	101	73-127			
Trichloroethene	20		1.0	ug/L	20.0	0.23 U	99	76-128			
Toluene	19		1.0	ug/L	20.0	0.15 U	96	71-112			
Chlorobenzene	20		1.0	ug/L	20.0	0.16 U	101	75-114			

Matrix Spike Dup (7J04015-MSD1) Prepared: 10/04/2007 11:39 Analyzed: 10/05/2007 00:53

Source: C714262-10

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0	0.14 U	96	43-131	0.5	16	
Benzene	19		1.0	ug/L	20.0	0.12 U	97	73-127	4	18	
Trichloroethene	19		1.0	ug/L	20.0	0.23 U	96	76-128	3	17	
Toluene	17		1.0	ug/L	20.0	0.15 U	86	71-112	11	23	
Chlorobenzene	18		1.0	ug/L	20.0	0.16 U	90	75-114	12	17	

Batch 7J05014 - EPA 5030B_MS

Blank (7J05014-BLK1) Prepared: 10/05/2007 11:28 Analyzed: 10/06/2007 02:37

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloromethane	0.18	U	1.0	ug/L							
Vinyl chloride	0.15	U	1.0	ug/L							
Bromomethane	0.21	U	1.0	ug/L							
Chloroethane	0.40	U	1.0	ug/L							
Trichlorofluoromethane	0.16	U	1.0	ug/L							
1,1-Dichloroethene	0.14	U	1.0	ug/L							
Acetone	0.90	U	5.0	ug/L							
Iodomethane	0.23	U	2.0	ug/L							
Carbon disulfide	0.12	U	5.0	ug/L							
Methylene chloride	0.088	U	2.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 7J05014 - EPA 5030B_MS

Blank (7J05014-BLK1) Continued Prepared: 10/05/2007 11:28 Analyzed: 10/06/2007 02:37

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Acrylonitrile	2.0	U	5.0	ug/L							
trans-1,2-Dichloroethene	0.10	U	1.0	ug/L							
1,1-Dichloroethane	0.090	U	1.0	ug/L							
Vinyl acetate	0.19	U	2.0	ug/L							
2-Butanone	0.56	U	5.0	ug/L							
cis-1,2-Dichloroethene	0.14	U	1.0	ug/L							
Bromochloromethane	0.19	U	1.0	ug/L							
Chloroform	0.16	U	1.0	ug/L							
1,1,1-Trichloroethane	0.24	U	1.0	ug/L							
Carbon tetrachloride	0.38	U	1.0	ug/L							
1,2-Dichloroethane	0.36	U	1.0	ug/L							
Benzene	0.12	U	1.0	ug/L							
Trichloroethene	0.23	U	1.0	ug/L							
1,2-Dichloropropane	0.18	U	1.0	ug/L							
Dibromomethane	0.14	U	1.0	ug/L							
Bromodichloromethane	0.19	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.16	U	1.0	ug/L							
4-Methyl-2-pentanone	0.36	U	5.0	ug/L							
Toluene	0.15	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.18	U	0.20	ug/L							
1,1,2-Trichloroethane	0.24	U	1.0	ug/L							
Tetrachloroethene	0.25	U	1.0	ug/L							
2-Hexanone	0.24	U	5.0	ug/L							
Dibromochloromethane	0.18	U	1.0	ug/L							
1,2-Dibromoethane	0.19	U	1.0	ug/L							
Chlorobenzene	0.16	U	1.0	ug/L							
1,1,1,2-Tetrachloroethane	0.16	U	1.0	ug/L							
Ethylbenzene	0.17	U	1.0	ug/L							
Styrene	0.12	U	1.0	ug/L							
Bromoform	0.36	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.27	U	1.0	ug/L							
1,2,3-Trichloropropane	0.32	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.60	U	1.0	ug/L							
1,4-Dichlorobenzene	0.15	U	1.0	ug/L							
1,2-Dichlorobenzene	0.17	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.19	U	1.0	ug/L							
Xylenes (Total)	0.21	U	1.0	ug/L							
Surrogate: Dibromofluoromethane	*47*			*ug/L*	*50.0*		*94*	*65-110*			
Surrogate: Toluene-d8	*44*			*ug/L*	*50.0*		*88*	*72-114*			
Surrogate: 4-Bromofluorobenzene	*47*			*ug/L*	*50.0*		*93*	*53-138*			

LCS (7J05014-BS1) Prepared: 10/05/2007 11:28 Analyzed: 10/06/2007 03:07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0		100	43-131			
Benzene	19		1.0	ug/L	20.0		97	73-127			
Trichloroethene	19		1.0	ug/L	20.0		97	76-128			
Toluene	18		1.0	ug/L	20.0		88	71-112			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 7J05014 - EPA 5030B_MS

LCS (7J05014-BS1) Continued Prepared: 10/05/2007 11:28 Analyzed: 10/06/2007 03:07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chlorobenzene	18		1.0	ug/L	20.0		92	75-114			

Matrix Spike (7J05014-MS1) Prepared: 10/05/2007 11:28 Analyzed: 10/06/2007 03:36

Source: C714262-13

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0	0.14 U	96	43-131			
Benzene	21		1.0	ug/L	20.0	0.12 U	104	73-127			
Trichloroethene	20		1.0	ug/L	20.0	0.23 U	98	76-128			
Toluene	18		1.0	ug/L	20.0	0.15 U	88	71-112			
Chlorobenzene	18		1.0	ug/L	20.0	0.16 U	91	75-114			

Matrix Spike Dup (7J05014-MSD1) Prepared: 10/05/2007 11:28 Analyzed: 10/06/2007 04:05

Source: C714262-13

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0	0.14 U	94	43-131	2	16	
Benzene	20		1.0	ug/L	20.0	0.12 U	98	73-127	6	18	
Trichloroethene	19		1.0	ug/L	20.0	0.23 U	97	76-128	1	17	
Toluene	19		1.0	ug/L	20.0	0.15 U	95	71-112	7	23	
Chlorobenzene	20		1.0	ug/L	20.0	0.16 U	98	75-114	7	17	

Batch 7J06003 - EPA 5030B_MS

Blank (7J06003-BLK1) Prepared: 10/06/2007 12:49 Analyzed: 10/07/2007 04:22

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloromethane	0.18	U	1.0	ug/L							
Vinyl chloride	0.15	U	1.0	ug/L							
Bromomethane	0.21	U	1.0	ug/L							
Chloroethane	0.40	U	1.0	ug/L							
Trichlorofluoromethane	0.16	U	1.0	ug/L							
1,1-Dichloroethene	0.14	U	1.0	ug/L							
Acetone	0.90	U	5.0	ug/L							
Iodomethane	0.23	U	2.0	ug/L							
Carbon disulfide	0.12	U	5.0	ug/L							
Methylene chloride	0.088	U	2.0	ug/L							
Acrylonitrile	2.0	U	5.0	ug/L							
trans-1,2-Dichloroethene	0.10	U	1.0	ug/L							
1,1-Dichloroethane	0.090	U	1.0	ug/L							
Vinyl acetate	0.19	U	2.0	ug/L							
2-Butanone	0.56	U	5.0	ug/L							
cis-1,2-Dichloroethene	0.14	U	1.0	ug/L							
Bromochloromethane	0.19	U	1.0	ug/L							
Chloroform	0.16	U	1.0	ug/L							
1,1,1-Trichloroethane	0.24	U	1.0	ug/L							
Carbon tetrachloride	0.38	U	1.0	ug/L							
1,2-Dichloroethane	0.36	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 7J06003 - EPA 5030B_MS

Blank (7J06003-BLK1) Continued Prepared: 10/06/2007 12:49 Analyzed: 10/07/2007 04:22

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Benzene	0.12	U	1.0	ug/L							
Trichloroethene	0.23	U	1.0	ug/L							
1,2-Dichloropropane	0.18	U	1.0	ug/L							
Dibromomethane	0.14	U	1.0	ug/L							
Bromodichloromethane	0.19	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.16	U	1.0	ug/L							
4-Methyl-2-pentanone	0.36	U	5.0	ug/L							
Toluene	0.15	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.18	U	0.20	ug/L							
1,1,2-Trichloroethane	0.24	U	1.0	ug/L							
Tetrachloroethene	0.25	U	1.0	ug/L							
2-Hexanone	0.24	U	5.0	ug/L							
Dibromochloromethane	0.18	U	1.0	ug/L							
1,2-Dibromoethane	0.19	U	1.0	ug/L							
Chlorobenzene	0.16	U	1.0	ug/L							
1,1,1,2-Tetrachloroethane	0.16	U	1.0	ug/L							
Ethylbenzene	0.17	U	1.0	ug/L							
Styrene	0.12	U	1.0	ug/L							
Bromoform	0.36	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.27	U	1.0	ug/L							
1,2,3-Trichloropropane	0.32	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.60	U	1.0	ug/L							
1,4-Dichlorobenzene	0.15	U	1.0	ug/L							
1,2-Dichlorobenzene	0.17	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.19	U	1.0	ug/L							
Xylenes (Total)	0.21	U	1.0	ug/L							
Surrogate: Dibromofluoromethane	*46*			*ug/L*	*50.0*		*92*	*65-110*			
Surrogate: Toluene-d8	*44*			*ug/L*	*50.0*		*88*	*72-114*			
Surrogate: 4-Bromofluorobenzene	*46*			*ug/L*	*50.0*		*91*	*53-138*			

LCS (7J06003-BS1) Prepared: 10/06/2007 12:49 Analyzed: 10/07/2007 04:51

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0		98	43-131			
Benzene	21		1.0	ug/L	20.0		103	73-127			
Trichloroethene	20		1.0	ug/L	20.0		98	76-128			
Toluene	19		1.0	ug/L	20.0		95	71-112			
Chlorobenzene	20		1.0	ug/L	20.0		101	75-114			

Matrix Spike (7J06003-MS1) Prepared: 10/06/2007 12:49 Analyzed: 10/07/2007 05:20

Source: C714262-15

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0	0.14 U	96	43-131			
Benzene	22		1.0	ug/L	20.0	0.12 U	108	73-127			
Trichloroethene	20		1.0	ug/L	20.0	0.23 U	100	76-128			
Toluene	18		1.0	ug/L	20.0	0.15 U	92	71-112			
Chlorobenzene	19		1.0	ug/L	20.0	0.16 U	94	75-114			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 7J06003 - EPA 5030B_MS

Matrix Spike Dup (7J06003-MSD1) Prepared: 10/06/2007 12:49 Analyzed: 10/07/2007 05:50

Source: C714262-15

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	18		1.0	ug/L	20.0	0.14 U	92	43-131	4	16	
Benzene	20		1.0	ug/L	20.0	0.12 U	100	73-127	7	18	
Trichloroethene	19		1.0	ug/L	20.0	0.23 U	96	76-128	4	17	
Toluene	18		1.0	ug/L	20.0	0.15 U	92	71-112	0.3	23	
Chlorobenzene	20		1.0	ug/L	20.0	0.16 U	98	75-114	5	17	

Batch 7J07002 - EPA 5030B_MS

Blank (7J07002-BLK1) Prepared: 10/07/2007 15:45 Analyzed: 10/07/2007 17:32

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloromethane	0.18	U	1.0	ug/L							
Vinyl chloride	0.15	U	1.0	ug/L							
Bromomethane	0.21	U	1.0	ug/L							
Chloroethane	0.40	U	1.0	ug/L							
Trichlorofluoromethane	0.16	U	1.0	ug/L							
1,1-Dichloroethene	0.14	U	1.0	ug/L							
Acetone	0.90	U	5.0	ug/L							
Iodomethane	0.23	U	2.0	ug/L							
Carbon disulfide	0.12	U	5.0	ug/L							
Methylene chloride	0.088	U	2.0	ug/L							
Acrylonitrile	2.0	U	5.0	ug/L							
trans-1,2-Dichloroethene	0.10	U	1.0	ug/L							
1,1-Dichloroethane	0.090	U	1.0	ug/L							
Vinyl acetate	0.19	U	2.0	ug/L							
2-Butanone	0.56	U	5.0	ug/L							
cis-1,2-Dichloroethene	0.14	U	1.0	ug/L							
Bromochloromethane	0.19	U	1.0	ug/L							
Chloroform	0.16	U	1.0	ug/L							
1,1,1-Trichloroethane	0.24	U	1.0	ug/L							
Carbon tetrachloride	0.38	U	1.0	ug/L							
1,2-Dichloroethane	0.36	U	1.0	ug/L							
Benzene	0.12	U	1.0	ug/L							
Trichloroethene	0.23	U	1.0	ug/L							
1,2-Dichloropropane	0.18	U	1.0	ug/L							
Dibromomethane	0.14	U	1.0	ug/L							
Bromodichloromethane	0.19	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.16	U	1.0	ug/L							
4-Methyl-2-pentanone	0.36	U	5.0	ug/L							
Toluene	0.15	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.18	U	0.20	ug/L							
1,1,2-Trichloroethane	0.24	U	1.0	ug/L							
Tetrachloroethene	0.25	U	1.0	ug/L							
2-Hexanone	0.24	U	5.0	ug/L							
Dibromochloromethane	0.18	U	1.0	ug/L							
1,2-Dibromoethane	0.19	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 7J07002 - EPA 5030B_MS

Blank (7J07002-BLK1) Continued Prepared: 10/07/2007 15:45 Analyzed: 10/07/2007 17:32

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chlorobenzene	0.16	U	1.0	ug/L							
1,1,1,2-Tetrachloroethane	0.16	U	1.0	ug/L							
Ethylbenzene	0.17	U	1.0	ug/L							
Styrene	0.12	U	1.0	ug/L							
Bromoform	0.36	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.27	U	1.0	ug/L							
1,2,3-Trichloropropane	0.32	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.60	U	1.0	ug/L							
1,4-Dichlorobenzene	0.15	U	1.0	ug/L							
1,2-Dichlorobenzene	0.17	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.19	U	1.0	ug/L							
Xylenes (Total)	0.21	U	1.0	ug/L							
Surrogate: Dibromofluoromethane	*50*			*ug/L*	*50.0*		*100*	*65-110*			
Surrogate: Toluene-d8	*45*			*ug/L*	*50.0*		*90*	*72-114*			
Surrogate: 4-Bromofluorobenzene	*45*			*ug/L*	*50.0*		*90*	*53-138*			

LCS (7J07002-BS1) Prepared: 10/07/2007 15:45 Analyzed: 10/07/2007 19:00

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	21		1.0	ug/L	20.0		107	43-131			
Benzene	20		1.0	ug/L	20.0		102	73-127			
Trichloroethene	19		1.0	ug/L	20.0		96	76-128			
Toluene	20		1.0	ug/L	20.0		100	71-112			
Chlorobenzene	20		1.0	ug/L	20.0		99	75-114			

Matrix Spike (7J07002-MS1) Prepared: 10/07/2007 15:45 Analyzed: 10/07/2007 18:01

Source: C712725-09

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	23		1.0	ug/L	20.0	0.14 U	115	43-131			
Benzene	22		1.0	ug/L	20.0	0.12 U	108	73-127			
Trichloroethene	20		1.0	ug/L	20.0	0.23 U	102	76-128			
Toluene	19		1.0	ug/L	20.0	0.15 U	97	71-112			
Chlorobenzene	21		1.0	ug/L	20.0	0.16 U	103	75-114			

Matrix Spike Dup (7J07002-MSD1) Prepared: 10/07/2007 15:45 Analyzed: 10/07/2007 18:31

Source: C712725-09

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	21		1.0	ug/L	20.0	0.14 U	106	43-131	8	16	
Benzene	21		1.0	ug/L	20.0	0.12 U	105	73-127	3	18	
Trichloroethene	19		1.0	ug/L	20.0	0.23 U	97	76-128	5	17	
Toluene	19		1.0	ug/L	20.0	0.15 U	97	71-112	0.4	23	
Chlorobenzene	20		1.0	ug/L	20.0	0.16 U	98	75-114	5	17	

Metals by EPA 6000/7000 Series Methods - Quality Control

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 7I27010 - EPA 3005A

Blank (7I27010-BLK1) Prepared: 09/27/2007 09:03 Analyzed: 10/03/2007 13:32

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	2.0	U	10.0	ug/L							
Barium	**0.20**	**J**	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 (7I27010-BS1) Prepared: 09/27/2007 09:03 Analyzed: 10/03/2007 13:39

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	0.5		0.01	mg/L	0.500		95	82-117			
Barium	0.49		0.01	mg/L	0.500		98	72-125			
Beryllium	0.24		0.001	mg/L	0.250		97	75-121			
Cadmium	0.25		0.001	mg/L	0.250		100	72-120			
Chromium	0.5		0.01	mg/L	0.500		94	78-119			
Cobalt	0.5		0.01	mg/L	0.500		93	76-117			
Copper	0.24		0.01	mg/L	0.250		96	80-117			
Lead	0.5		0.01	mg/L	0.500		94	72-121			
Nickel	0.5		0.01	mg/L	0.500		98	78-116			
Selenium	0.5		0.01	mg/L	0.500		97	82-127			
Silver	0.05		0.01	mg/L	0.0500		97	80-128			
Vanadium	0.2		0.01	mg/L	0.250		92	78-117			
Zinc	0.5		0.01	mg/L	0.500		95	80-120			

Matrix Spike (7I27010-MS1) Prepared: 09/27/2007 09:03 Analyzed: 10/03/2007 14:36

Source: C713537-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	0.5		0.01	mg/L	0.500	-0.002	92	64-126			
Barium	0.50		0.01	mg/L	0.500	0.03	93	74-119			
Beryllium	0.23		0.001	mg/L	0.250	-0.0006	94	70-131			
Cadmium	0.24		0.001	mg/L	0.250	-0.0007	95	68-121			
Chromium	0.4		0.01	mg/L	0.500	-0.006	91	73-120			
Cobalt	0.4		0.01	mg/L	0.500	-0.001	89	76-120			
Copper	0.23		0.01	mg/L	0.250	-0.003	91	75-123			
Lead	0.4		0.01	mg/L	0.500	0.002 U	88	68-126			
Nickel	0.5		0.01	mg/L	0.500	-0.002	94	64-126			
Selenium	0.5		0.01	mg/L	0.500	-0.002	93	65-129			
Silver	0.05		0.01	mg/L	0.0500	-0.002	98	69-121			
Vanadium	0.2		0.01	mg/L	0.250	-0.01	89	71-130			
Zinc	0.4		0.01	mg/L	0.500	0.0002	90	63-131			

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 7I27010 - EPA 3005A

Matrix Spike Dup (7I27010-MSD1) Prepared: 09/27/2007 09:03 Analyzed: 10/03/2007 14:43

Source: C713537-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	0.5		0.01	mg/L	0.500	-0.002	94	64-126	2	12	
Barium	0.51		0.01	mg/L	0.500	0.03	97	74-119	3	11	
Beryllium	0.24		0.001	mg/L	0.250	-0.0006	97	70-131	4	21	
Cadmium	0.25		0.001	mg/L	0.250	-0.0007	98	68-121	3	12	
Chromium	0.5		0.01	mg/L	0.500	-0.006	94	73-120	3	10	
Cobalt	0.5		0.01	mg/L	0.500	-0.001	91	76-120	3	17	
Copper	0.23		0.01	mg/L	0.250	-0.003	94	75-123	3	16	
Lead	0.5		0.01	mg/L	0.500	0.002 U	91	68-126	3	19	
Nickel	0.5		0.01	mg/L	0.500	-0.002	97	64-126	3	12	
Selenium	0.5		0.01	mg/L	0.500	-0.002	96	65-129	3	10	
Silver	0.05		0.01	mg/L	0.0500	-0.002	96	69-121	2	12	
Vanadium	0.2		0.01	mg/L	0.250	-0.01	92	71-130	3	16	
Zinc	0.5		0.01	mg/L	0.500	0.0002	93	63-131	3	24	

Batch 7I27011 - EPA 3005A

Blank (7I27011-BLK1) Prepared: 09/27/2007 09:11 Analyzed: 10/05/2007 12:23

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	1.00	U	5.00	ug/L							
Thallium	0.400	U	2.00	ug/L							

LCS (7I27011-BS1) Prepared: 09/27/2007 09:11 Analyzed: 10/05/2007 12:26

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	24.0		5.00	ug/L	25.0		96	85-115			
Thallium	23.2		2.00	ug/L	25.0		93	85-115			

Matrix Spike (7I27011-MS1) Prepared: 09/27/2007 09:11 Analyzed: 10/05/2007 12:31

Source: C713537-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	25.4		5.00	ug/L	25.0	1.00 U	102	85-115			
Thallium	22.8		2.00	ug/L	25.0	0.052	91	85-115			

Matrix Spike Dup (7I27011-MSD1) Prepared: 09/27/2007 09:11 Analyzed: 10/05/2007 12:33

Source: C713537-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	25.5		5.00	ug/L	25.0	1.00 U	102	85-115	0.5	20	
Thallium	23.4		2.00	ug/L	25.0	0.052	94	85-115	3	20	

FLAGS/NOTES AND DEFINITIONS

B	The analyte was detected in the associated method blank.
D	The sample was analyzed at dilution.
J	The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.
U	The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
MRL	Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.

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ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

10715 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 Prospect Way Cary, NC 27513 (919) 677-1669 Fax (919) 677-9646

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	P.O.# / Billing Info
Tel: (336) 288-7180 Fax: (336) 288-8980	Reporting Contact: Edmund Henriques
Sampler(s) Name, Affiliation (PRINT):	Billing Contact: Accounts Payable
Sampler(s) Signature: Gary Simcox	Facility # (if required)

Requested Analyses: 8260B Appendix 1; Ag Al Ba Be Ca Cr Cu Fe Hg Mn Mo Ni Pb Sb Se Tl V Zn

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

Lab Workorder: C713537

Preservation/See Comments (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8260B Appendix 1	Ag Al Ba Be Ca Cr Cu Fe Hg Mn Mo Ni Pb Sb Se Tl V Zn	Sample Comments
	4112 MW-15	9/24/07	13:50	G	Water	4	X	X	
	4112 MW-16	9/24/07	14:30	G	Water	4	X	X	
	4112 MW-17	9/24/07	15:25	G	Water	4	X	X	
	4112 MW-18	9/24/07	16:25	G	Water	4	X	X	
	4112 MW-19	9/24/07	17:30	G	Water	4	X	X	
	4112 MW-20	9/25/07	9:45	G	Water	4	X	X	
	4112 MW-21	9/25/07	10:30	G	Water	4	X	X	
	4112 MW-22	9/24/07	12:00	G	Water	4	X	X	
	4112 MW-23	9/24/07	11:50	G	Water	4	X	X	
	4112 MW-24	9/24/07	10:05	G	Water	4	X	X	
	~~4112 MW-25~~				~~Water~~	~~4~~	~~X~~		
	4112 MW-25B	9/25/07	9:10	G	Water	4	X	X	

<- Total # of Containers

Sampler Relinquished By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
Gary	9/19/07 1145		9/25/07 1400	Samuel L. Hays	9/25/07 14:0

Cooler #'s & Temperature Recorded: C-110

Condition Upon Receipt: ___ Acceptable ___ Unacceptable

Matrix: GW-Groundwater SO-Soil SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (note in comments) Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (note in comments)

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

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4810 Executive Park Court, Suite 211 Jacksonville, FL 32216-6069 (904) 296-3007 Fax (904) 296-6210
1005 Passport Way Cary, NC 27513 (919) 677-1669 Fax (919) 677-1040

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:
Tel: (336) 288-7180 Fax: (336) 288-8980	Reporting Contact: Edmund Henriques
Sampler(s) Name, Affiliation (Print): Greg Simcox	Billing Contact: Accounts Payable
Sampler(s) Signature:	Facility # (if required):

Requested Analyses: 8260B Appendix 1; Ag/Al/Ba/Be/Cd/Cu/Cr/Co/Fe/Mn/Ni/Se/Tl/V/Zn

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

Lab Workorder: C713537

Preservation (See Codes) (Continue as necessary)

Item #	Sample ID / Field Identification	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers									Sample Comments
	4112 SW-1	9/25/07	9:00	G	Water	4	X	X							
	4112 SW-2	9/25/07	11:00	G	Water	4	X	X							
	4112 SW-3	9/25/07	10:00	G	Water	4	X	X							
	4103 SW-4	9/25/07	12:00	G	Water	4	X	X							
	4103 SW-5	9/25/07	12:45	G	Water	4	X	X							
	4112 DUPLICATE-III	9/24/07	—	G	Water	4	X	X							
	4112 Trip Blank#3				Water	2	X								

<- Total # of Containers

Sample Kit Prepared By: CAly	Date/Time: 9/19/07 1145	Relinquished By:	Date/Time: 9/25/07 1800	Received By:	Date/Time: 9/25/07 14:00
Comments:		Relinquished By:	Date/Time:	Received By:	Date/Time:
		Relinquished By:	Date/Time:	Received By:	Date/Time:
		Cooler #'s & Temps on Receipt: C-110		Condition Upon Receipt: Acceptable / Unacceptable	

Matrix: GW-Groundwater SO-Soil SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (Specify in Comments) Preservation: 1 or H-HCl 2-HNO3 3-H2SO4 4-NaOH 5-NaOH O-Other (Note in comments)

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

APPENDIX C

NCDENR Environmental Monitoring Reporting Form

DENR USE ONLY: ☐ Paper Report ☐ Electronic Data - Email CD (data loaded: Yes / No) Doc/Event #:

NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

Notice: This form and any information attached to it are "Public Records" as defined in NC General Statute 132-1. As such, these documents are available for inspection and examination by any person upon request (NC General Statute 132-6).

Instructions:

- **Prepare one form for each individually monitored unit.**
- **Please type or print legibly.**
- Attach a notification table with values that attain or exceed NC 2L groundwater standards or NC 2B surface water standards. The notification must include a preliminary analysis of the cause and significance of each value. (e.g. naturally occurring, off-site source, pre-existing condition, etc.).
- Attach a notification table of any groundwater or surface water values that equal or exceed the reporting limits.
- Attach a notification table of any methane gas values that attain or exceed explosive gas levels. This includes any structures on or nearby the facility (NCAC 13B .1629 (4)(a)(i).
- In accordance with NC General Statutes Chapter 89C and 89E and NC Solid Waste Management Rules 15A NCAC 13B, be sure to affix a seal to the bottom of this page, when applicable.
- Send the original signed and sealed form, any tables, and Electronic Data Deliverable to: Compliance Unit, NCDENR-DWM, Solid Waste Section, 1646 Mail Service Center, Raleigh, NC 27699-1646.

Solid Waste Monitoring Data Submittal Information

Name of entity submitting data (laboratory, consultant, facility owner):

S&ME, Inc.

Contact for questions about data formatting. Include data preparer's name, telephone number and E-mail address:

Name: Connel D. Ware Phone: (336) 288-7180

E-mail: cware@smeinc.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
White Street Landfill - Phase I	North end of White Street, Greensboro, NC	41-03	Not Applicable	September 24-28, 2007

Environmental Status: (Check all that apply)

☐ Initial/Background Monitoring ☐ Detection Monitoring ☐ Assessment Monitoring ☐ Corrective Action

Type of data submitted: (Check all that apply)

☒ Groundwater monitoring data from monitoring wells
☐ Groundwater monitoring data from private water supply wells
☐ Leachate monitoring data
☒ Surface water monitoring data
☐ Methane gas monitoring data
☐ Corrective action data (specify) _____
☐ Other(specify)

Notification attached?

☐ No. No groundwater or surface water standards were exceeded.
☒ Yes, a notification of values exceeding a groundwater or surface water standard is attached. It includes a list of groundwater and surface water monitoring points, dates, analytical values, NC 2L groundwater standard, NC 2B surface water standard or NC Solid Waste GWPS and preliminary analysis of the cause and significance of any concentration.
☐ Yes, a notification of values exceeding an explosive methane gas limit is attached. It includes the methane monitoring points, dates, sample values and explosive methane gas limits.

Certification

To the best of my knowledge, the information reported and statements made on this data submittal and attachments are true and correct. Furthermore, I have attached complete notification of any sampling values meeting or exceeding groundwater standards or explosive gas levels, and a preliminary analysis of the cause and significance of concentrations exceeding groundwater standards. I am aware that there are significant penalties for making any false statement, representation, or certification including the possibility of a fine and imprisonment.

Edmund Q. B. Henriques	Environmental Department Mgr.	(336) 288-7180
Facility Representative Name (Print)	Title	(Area Code) Telephone Number

Edmund Q. B. Henriques 11-27-07
Signature Date

Affix NC Licensed/Professional Geologist/Engineer Seal here:

NORTH CAROLINA LICENSED SEAL 1246 GEOLOGIST EDMUND Q. B. HENRIQUES

Revised 01/2007