WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
PHASE I POST CLOSURE MONITORING
MAY 2008 SAMPLING EVENT

S&ME Project No. 1584-98-081

Prepared For:
The City of Greensboro

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January 21, 2009

S&ME

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I hereby certify this 21th day of January 2009, that this report was prepared by me or under my direct supervision.

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1. EXECUTIVE SUMMARY

Five monitoring wells and four stream locations at the White Street Landfill were sampled between April 30, 2008 and May 5, 2008. 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 I parameter suite. Samples from surface water locations SW-2, SW-3, SW-4 and SW-5 were analyzed for federal Appendix I monitoring constituents. Phase I shares the four surface water monitoring locations with Phase II and Phase III.

Analytical results from the five Phase I monitoring wells indicate that the following NCAC 2L groundwater quality standards were exceeded.

- Vinyl chloride was reported at estimated "J" flagged values in wells I-1, I-2, 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 at a concentration of 1.7 μg/L at well I-1 which exceed the NCAC 2L groundwater standard of 1μg/L.
- 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 4.6 μg/L, 1.7 μg/L, 3.8 μg/L, and 5.1 μg/L respectively. Each of these reported concentrations exceed the 1.4 μg/L NCAC 2L groundwater quality standard for 1,4-dichlorobenzene.

Surface water analytical results indicate no Appendix I volatile organic compounds were detected. Inorganic constituent zinc was detected at location SW-4 at 154 μg/L which exceeds the corresponding NCAC 2B standard of 50 μg/L. Zinc was not detected in any of the down-gradient Phase I monitoring wells during this monitoring event; therefore, groundwater sourced from beneath the Phase I of the landfill is not thought to be the source of the zinc detected at surface water sample SW-4. Inorganic constituents copper and lead were detected at surface water sample location SW-4 at concentrations greater than the North Carolina Solid Waste Section Limit (SWSL); however, currently there are no corresponding NCAC 2B surface water quality standards for these constituents.

It is believed that the cause of the 2L exceedances within the hydrogeologic regime at Phase I of the White Street Landfill is caused from percolation of landfill constituents from the waste management units into the uppermost groundwater aquifer. Due to the detection of these exceedances of the NCAC 2L groundwater quality standards in the compliance wells, S&ME recommends the development of plans to address the NCAC 2L exceedances.

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. Four 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 I assessment monitoring list. This report discusses the field procedures, summarizes the field measurements and analytical results for the April-May 2008 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 four 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 I 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-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 between April 30, 2008 and May 5, 2008. 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 nitrile 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 I 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 May 5, 2008. Three stream samples (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-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, I-2, 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 and I-4. However only the reported concentration from I-1 of 1.7 μg/L exceeded the NCAC 2L groundwater quality standard of 1 μg/L for benzene.
- 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 4.6 μg/L, 1.7 μg/L, 3.8 μg/L, and 5.1 μg/L respectively. Each of these reported concentrations exceed the 1.4 μg/L NCAC 2L groundwater quality standard for 1,4-dichlorobenzene.
- Volatile organic compounds chlorobenzene, 1,1-dichloroethane, cis 1,2-

[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.

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.

- Inorganic constituents arsenic, barium, chromium, copper, lead, mercury, silver, and zinc were detected in one or more of the groundwater monitoring wells during this water quality monitoring event; however, the detected concentrations were less than the corresponding NCAC 2L groundwater quality standards.
- 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 the reported concentration of 4.6 μg/L is an estimated, "J" flagged value. This concentration is above the NCPHG for vanadium. Monitoring well MW-13 is a background monitoring well for Phase I of the Facility, and therefore, vanadium in MW-13 is thought to represent background water quality.

5.2 Groundwater Flow Direction

The static water levels in the Phase I monitoring wells were measured between April 30, 2008 and May 5, 2008. The depth to the water table ranged from 2.20 to 18.28 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 during this monitoring event 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.

- No Appendix I volatile organic compounds were detected in the samples collected from surface water sample locations SW-2, SW-3, SW-4 and SW-5.
- Inorganic constituent zinc was detected at SW-2, SW-3, SW-4, and SW-5; however, only the detected concentration of 154 μg/L at SW-4 exceeded the corresponding NCAC 2B standard of 50 μg/L. Zinc was not detected in any of the down-gradient Phase I monitoring wells during this monitoring event; therefore, groundwater sourced from beneath the Phase I of the landfill is not thought to be the source of the zinc detected at surface water sample SW-4.
- Inorganic constituents copper and lead were detected at surface water sample location SW-4 at concentrations greater than the North Carolina Solid Waste Section Limit (SWSL). Currently, there are no corresponding NCAC 2B surface water quality standards for these constituents.

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 (5/08)
PHASE I - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Well No.	Elevation TOC (feet)	Depth of Well (feet)	Static Water Levels			
			April 10, 2007		May 5, 2008	
			DTGW (feet)	Elevation (feet)	DTGW (feet)	Elevation (feet)
I-1	776.11	23.36	8.40	767.71	6.61	769.50
I-2	768.58	23.13	4.89	763.69	4.60	763.98
I-3	764.65	24.22	12.76	751.89	11.63	753.02
I-4	759.83	14.57	2.39	757.44	2.20	757.63
MW-13	741.30	33.78	19.63	721.67	18.28	723.02

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 (5/08)
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
1025	5-May-08	19.04	66.272	5.58	2.41	-122	1.65	4.18	6.61
1030	5-May-08	18.41	65.138	5.6	2.68	-179	1.32	6.73	
1035	5-May-08	18.35	65.03	5.6	2.84	-234	0.89	5.81	
1040	5-May-08	18.57	65.426	5.6	2.88	-258	0.66	4.90	
1045	5-May-08	18.68	65.624	5.61	2.89	-261	0.61	4.48	
1050	5-May-08	18.7	65.66	5.6	2.89	-263	0.62	4.19	

Location: I-2

Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1355	2-May-08	22.7	72.86	6.17	2.00	-221	1.02	3.71	4.60
1405	2-May-08	23.08	73.544	6.23	2.38	-247	0.81	36	
1410	2-May-08	23.88	74.984	6.24	2.6	-267	0.79	55.3	
1415	2-May-08	24.39	75.902	6.22	2.66	-273	0.76	100	
1420	2-May-08	23.37	74.066	6.25	2.67	-281	0.68	166	
1425	2-May-08	22.97	73.346	6.27	2.7	-275	0.6	259	
1430	2-May-08	22.16	71.888	6.3	2.71	-281	0.47	297	
1435	2-May-08	21.98	71.564	6.31	2.7	-285	0.47	319	
1435	2-May-08	21.71	71.078	6.31	2.7	-293	0.47	291	

Location: I-3

Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1505	3-May-08	18.48	65.264	6.64	3.02	-266	1.5	12.64	11.63
1510	3-May-08	18.36	65.048	6.64	2.94	-305	0.66	8.01	
1515	3-May-08	19.78	67.604	6.61	2.96	-303	0.66	9.25	
1520	3-May-08	19.93	67.874	6.61	2.95	-306	0.61	9.56	

Location: I-4

Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1550	2-May-08	18.83	65.894	7.06	2.55	-273	0.76	17.68	2.20
1555	2-May-08	18.72	65.696	7.09	2.54	-288	0.31	33.7	
1600	2-May-08	19.26	66.668	7.03	2.61	-298	0.16	93.0	
1605	2-May-08	19.33	66.794	7.01	2.63	-303	0.1	136.0	
1610	2-May-08	19.09	66.362	7	2.64	-306	0.08	236	
1615	2-May-08	18.64	65.552	7.05	2.66	-346	0.15	343	
1620	2-May-08	19.41	66.938	7.02	2.67	-367	0.06	329.0	
1625	2-May-08	20.34	68.612	7.02	2.67	-378	0.04	334.0	
1630	2-May-08	20.64	69.152	7.01	2.67	-386	0.04	314	

Location: MW-13

Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1305	30-Apr-08	14.83	58.694	6.43	0.536	-56	2.32	59	18.28
1310	30-Apr-08	14.71	58.478	6.46	0.480	-66	2.13	5.62	
1315	30-Apr-08	14.57	58.226	6.47	0.473	-68	2.17	2.35	
1320	30-Apr-08	14.57	58.226	6.48	0.461	-69	2.27	2.40	
1325	30-Apr-08	14.55	58.19	6.48	0.457	-68	2.25	2.29	

TABLE 3
GROUNDWATER ANALYTICAL RESULTS SUMMARY (5/08)
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	0.64 J	0.90 J	0.65 J	ND	ND	1	0.015
Benzene	1.7	BQL	ND	0.43 J	ND	1	1
1,1-Dichloroethane	1.3 J	ND	2.0 J	ND	ND	5	70
cis 1,2-dichloroethene	1.3 J	4.2 J	0.77 J	ND	ND	5	70
Chlorobenzene	4.6	5.8	9.8	9.4	ND	3	50
1,4-Dichlorobenzene	4.6	1.7	3.8	5.1	ND	1	1.4
1,2-Dichlorobenzene	ND	1.0 J	0.49 J	ND	ND	5	24

reported concentrations = ***micrograms per liter (ug/L)***
NC SWSL = ***North Carolina Solid Waste Section Limit***
ND = ***Analyte not detected***
NCAC 2L stds. = ***15A NCAC 2L .0200, Groundwater Quality Standards for Class GA groundwater***
J = ***Parameters are estimated values between the detection limit and the NC SWSL.***

Gray highlights indicated a measurement higher than 2L standards but less than NC SWSL.

Yellow highlights indicate a measurement higher than the NC SWSL

Orange highlights indicate a measurement higher than 2L standards.

TABLE 4
GROUNDWATER ANALYTICAL RESULTS SUMMARY (5/08)
8-RCRA METALS
PHASE I - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Constituent	Sample Locations					NC SWSL	NCAC 2L stds.	NCPHG
	I-1	I-2	I-3	I-4	MW-13			
Arsenic	NA	NA	NA	NA	2.4 J	10	50	
Barium	371	634	128	964	107	100	2000	
Chromium	ND	25.2	ND	**91.5**	ND	10	50	
Copper	ND	ND	ND	ND	4.0 J	10	1000	
Lead	ND	5.6	ND	**17.6**	ND	10	15	
Mercury	0.45	ND	ND	ND	ND	0.2	1.1	
Silver	NA	NA	NA	NA	2.7 J	10	17.5	
Vanadium	ND	ND	ND	ND	4.6 J	25	ns	3.5
Zinc	ND	ND	ND	ND	8.7 J	10	1050	

all concentrations reported in micrograms per liter (ug/L)
ND = Analyte not detected
NA = Constituent not analyzed for (not on 8-RCRA metal list)
NC SWSL = North Carolina Solid Waste Section Limit
NCAC 2L stds. = 15A NCAC 2L .0200, Groundwater Quality Standards for Class GA groundwater
ns = no standard listed according to NCAC 2L
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.
Blue highlights indicate a measurement higher than the North Carolina Public Health Goal Standard

TABLE 5
SURFACE WATER ANALYTICAL RESULTS SUMMARY (5/08)
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-2	SW-3	SW-4	SW-5		
all compounds	ND	ND	ND	ND	--	--

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

TABLE 6
SURFACE WATER ANALYTICAL RESULTS SUMMARY (5/08)
APPENDIX I - METALS
PHASE I - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Compound	Sample Locations				15A NCAC 2B	NC SWSL
	SW-2	SW-3	SW-4	SW-5	Standards*	(µg/l)
Arsenic	ND	2.4 J	ND	2.2 J	ns	10
Barium	51.2 J	53.0 J	92.5 J	65.5 J	ns	100
Chromium	ND	ND	15.0	ND	ns	10
Cobalt	ND	ND	ND	3.8 J	ns	10
Copper	1.30 J	2.50 J	13.3	3.70 J	ns	10
Lead	ND	ND	14.8	ND	ns	10
Nickel	3.5 J	3.9 J	5.5 J	6.7 J	88	50
Silver	ND	2.2 J	ND	2.4 J	ns	10
Vanadium	ND	ND	9.3 J	2.4 J	ns	25
Zinc	5.8 J	6.4 J	154	20.4	50	10

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

FIGURES

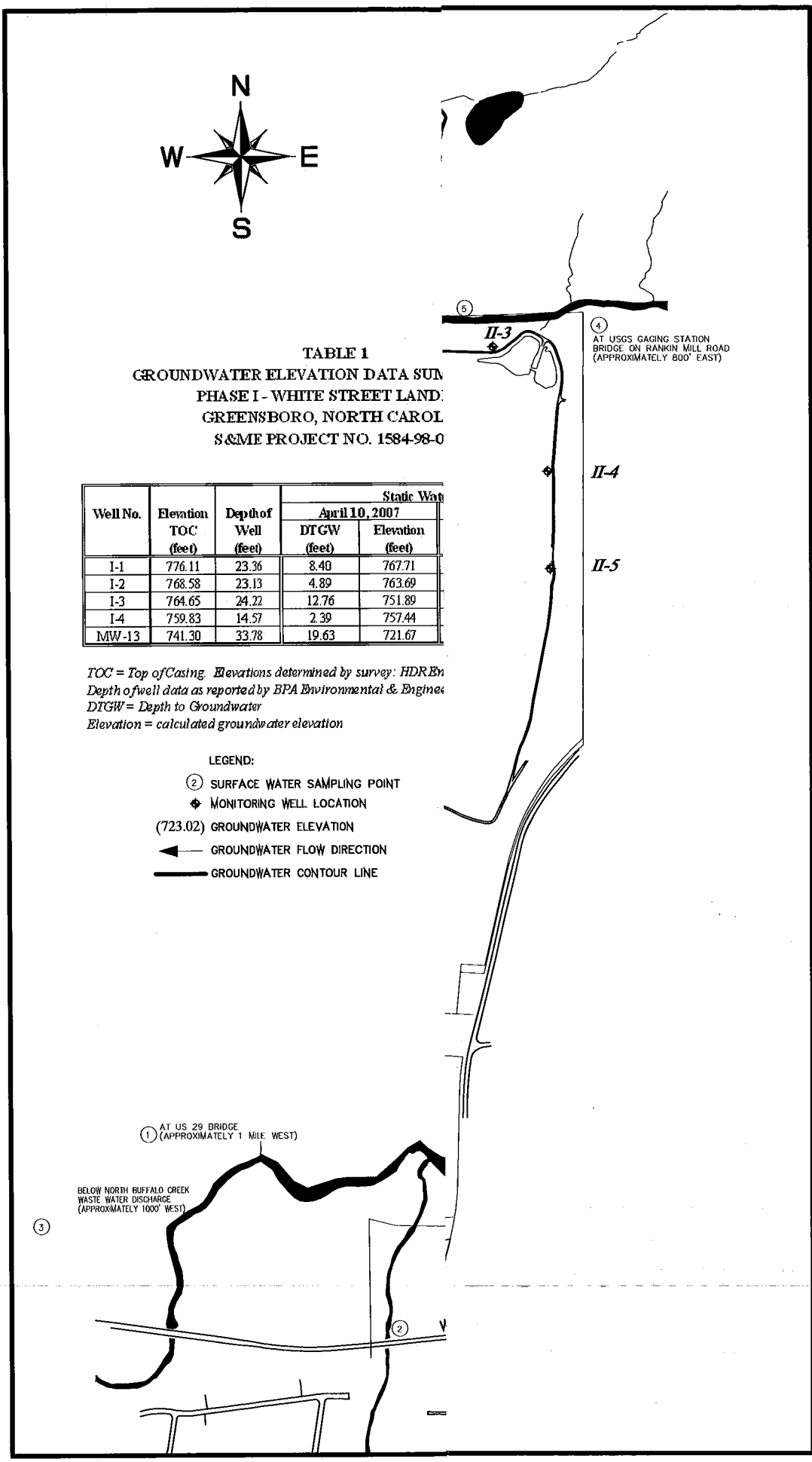

TABLE 1
GROUNDWATER ELEVATION DATA SUM
PHASE I - WHITE STREET LAND
GREENSBORO, NORTH CAROL
S&ME PROJECT NO. 1584-98-0

Well No.	Elevation TOC (feet)	Depth of Well (feet)	Static Wat April 10, 2007 DTGW (feet)	Elevation (feet)
I-1	776.11	23.36	8.40	767.71
I-2	768.58	23.13	4.89	763.69
I-3	764.65	24.22	12.76	751.89
I-4	759.83	14.57	2.39	757.44
MW-13	741.30	33.78	19.63	721.67

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

LEGEND:
(2) SURFACE WATER SAMPLING POINT
MONITORING WELL LOCATION
(723.02) GROUNDWATER ELEVATION
GROUNDWATER FLOW DIRECTION
GROUNDWATER CONTOUR LINE

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

SCALE: AS SHOWN
DRAWN BY: RDM
CHECKED BY: EQBH
JOB NO. 1584-98-081
DATE: JULY 2008
FIGURE NO. 1

S&ME
ENVIRONMENTAL SERVICES
ENGINEERING · TESTING

APPENDIX A

Groundwater Sampling Field Data Sheets

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Purge Date: 5/2/08
Project No.: 1584-98-081
Purge Time:
Source Well: I-1
Sample Date: 5/2/08
Locked? (Yes) No
Sample Time: 1055
(PVC) Steel Stainless
Weather: SUNNY
Sampled By: GMS
Air Temp: 70°

Water Level and Well Data

Depth to water from measuring point: 6.61 feet * 7.75 FROM TOP OF STEEL COVER
Depth to well bottom from measuring point: feet
Height of water column: feet
Measuring Point: TOC

Well Purging and Sample Collection

Purge Method: PUMP
Sample Method: PUMP

Sample Collection Time
Start: Stop:

Purge Time
Purge Rate: 100 mliter/min Start: 1020 Stop:
control settings changes?: 25 psi 4 on 21 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: 4 gallon (liters)

Was well purged dry: Yes (No)

Field Analyses

* *Stabilization Parameters*

Time	1025	1030	1035	1040	1045	1050		
Temp	19.04	18.41	18.75	18.57	18.68	18.70		
pH	5.58	5.60	5.60	5.60	5.61	5.60		
Conductivity	2.41	2.68	2.84	2.88	2.89	2.89		
ORP*	-122	-178	-231	-258	-261	-263		
D.O.*	1.06	1.32	.88	.66	.61	.62		
Turbidity*	4.18	6.73	5.81	4.90	4.48	4.19		
	7.87	7.90	7.88	7.91	7.87			

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Purge Date: 5/2/08
Project No.: 1584-98-081
Purge Time:
Source Well: I-2
Sample Date: 5/2/08
Locked? (Yes) No
Sample Time: 1440
(PVC) Steel Stainless
Weather: SUNNY
Sampled By: GWS
Air Temp: 70°

Water Level and Well Data

Depth to water from measuring point: 4.60 feet

Depth to well bottom from measuring point: _____ feet

Height of water column: _____ feet

Measuring Point: TOC

Well Purging and Sample Collection

Purge Method: PUMP

Sample Method: PUMP

Sample Collection Time
Start _____ Stop _____

Purge Time
Purge Rate: 100 mliter/min
Start 1350 Stop 1435

control settings changes?: 2 ON 27 OFF 21 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: 5.5 gallon (liters)

Was well purged dry: Yes (No)

Field Analyses

* *Stabilization Parameters*

Time	1355	1400	1405	1410	1415	1420	1425	1430	1435	
Temp	22.70	23.08	23.88	24.39	23.37	22.87	22.16	21.98	21.71	
pH	6.17	6.23	6.24	6.22	6.25	6.27	6.30	6.31	6.31	
Conductivity	2.00	2.38	2.60	2.66	2.67	2.70	2.71	2.70	2.70	
ORP*	-221	-241	-267	-273	-281	-275	-281	-285	-293	
D.O.*	1.02	.81	.79	.76	.68	.60	.47	.47	.47	
Turbidity*	3.71	30	55.3	100	166	258	287	318	291	
H_2O	5.10	5.02	4.93	5.10	5.21	5.45	5.49			

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Purge Date: 5/3/08

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

Source Well: I-3
Sample Date: 5/3/08

Locked? (Yes) No
Sample Time: 1525

(PVC) Steel Stainless
Weather: SUNNY

Sampled By: GWS
Air Temp: 75°

Water Level and Well Data

Depth to water from measuring point: 11.63 feet

Depth to well bottom from measuring point: _____ feet

Height of water column: _____ feet

Measuring Point: TOC

Well Purging and Sample Collection

Purge Method: PUMP

Sample Method: PUMP

Sample Collection Time
Start _____ Stop _____

Purge Rate: 100 mliter/min

Purge Time
Start 1500 Stop 1520

control settings changes? 2 ON 28 OFF 18 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: 3.0 gallon (liters)

Was well purged dry: Yes (No)

Field Analyses

** Stabilization Parameters*

Time	1505	1510	1515	1520	1525			
Temp	18.48	19.36	19.78	19.93				
pH	6.64	6.64	6.61	6.61				
Conductivity	3.02	2.94	2.96	2.95				
ORP*	-266	-305	-303	-306				
D.O.*	1.5	.66	.66	.61				
Turbidity*	12.64	9.01	9.25	9.56				
	11.82	11.86	11.84					

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Purge Date: 5/2/08
Project No.: 1584-98-081
Purge Time:
Source Well: I-4
Sample Date: 5/2/08
Locked? (Yes) No
Sample Time: 1635
(PVC) Steel Stainless
Weather: SUNNY
Sampled By: GWS
Air Temp: 75°

Water Level and Well Data

Depth to water from measuring point: 2.20 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 1550 Stop 1630

Purge Rate: 100 mliter/min

control settings changes? 2 on 25 off 15 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 (No)

Field Analyses

* *Stabilization Parameters*

Time	1550	1555	1600	1605	1610	1615	1620	1625	1630	16
Temp	18.83	18.72	19.26	19.33	19.09	18.64	19.41	20.34	20.64	
pH	7.06	7.09	7.03	7.01	7.0	7.05	7.02	7.02	7.01	
Conductivity	2.55	2.54	2.61	2.63	2.64	2.66	2.67	2.67	2.67	
ORP*	-273	-288	-298	-303	-300	-346	-367	-378	-386	
D.O.*	.76	.31	.16	.10	.08	.15	.06	.04	.04	
Turbidity*	17.68	337	83	130	230	343	329	334	314	
H_2O	2.25	2.45	2.45	2.48	2.58	2.51	2.48			

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Purge Date: 4/30/08
Project No.: 1584-98-081
Purge Time:
Source Well: MW-13
Sample Date: 4/30/08
Locked? (Yes) No
Sample Time: 1330
(PVC) Steel Stainless
Weather: SUNNY
Sampled By: GWS
Air Temp: 60°

Water Level and Well Data

Depth to water from measuring point: 18.28 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 1300 Stop _____

Purge Rate: 100 mliter/min

control settings changes?: 3.5 on 22 off 27 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: 3.5 gallon (liters)

Was well purged dry: Yes (No)

Field Analyses

** Stabilization Parameters*

Time	1305	1310	1315	1320	1325			
Temp	14.83	14.71	14.57	14.57	14.55			
pH	6.43	6.46	6.47	6.48	6.48			
Conductivity	.532	.480	.473	.461	.457			
ORP*	-56	-66	-68	-69	-68			
D.O.*	2.32	2.13	2.17	2.27	2.25			
Turbidity*	59	5.62	2.35	2.40	2.25			
H_2O	18.99	19.17	19.27	19.34	19.39			

APPENDIX B

Laboratory Analytical Reports

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

Tuesday, May 20, 2008

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: C804274

Dear Edmund Henriques,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Tuesday, May 6, 2008.

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: C804274-01** | **Sampled: 05/02/08 10:55** | **Received: 05/06/08 08:30**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	10/29/08	05/08/08 13:13	5/17/2008 11:57
EPA 7470A	05/30/08	05/12/08 07:09	5/13/2008 13:50
EPA 8260B	05/16/08	05/13/08 10:33	5/13/2008 16:09

Client ID: 4103 I-2 | **Lab ID: C804274-02** | **Sampled: 05/02/08 14:40** | **Received: 05/06/08 08:30**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	10/29/08	05/08/08 13:13	5/17/2008 12:21
EPA 7470A	05/30/08	05/12/08 07:09	5/13/2008 13:53
EPA 8260B	05/16/08	05/13/08 10:33	5/13/2008 16:40

Client ID: 4103 I-3 | **Lab ID: C804274-03** | **Sampled: 05/02/08 15:25** | **Received: 05/06/08 08:30**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	10/29/08	05/08/08 13:13	5/17/2008 12:28
EPA 7470A	05/30/08	05/12/08 07:09	5/13/2008 14:02
EPA 8260B	05/16/08	05/13/08 10:33	5/13/2008 17:11

Client ID: 4103 I-4 | **Lab ID: C804274-04** | **Sampled: 05/02/08 16:35** | **Received: 05/06/08 08:30**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	10/29/08	05/08/08 13:13	5/17/2008 12:35
EPA 7470A	05/30/08	05/12/08 07:09	5/13/2008 14:06
EPA 8260B	05/16/08	05/13/08 10:33	5/13/2008 17:42

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NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: 4103 I-1 — **Lab ID: C804274-01**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	1.3	J	1	0.33	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	4.6		1	0.20	1.0	1	ug/L	EPA 8260B	
Barium	371		1	0.20	10.0	100	ug/L	EPA 6010B	
Benzene	1.7		1	0.20	1.0	1	ug/L	EPA 8260B	
Chlorobenzene	4.6		1	0.27	1.0	3	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	1.3	J	1	0.30	1.0	5	ug/L	EPA 8260B	
Mercury	0.45		1	0.11	0.20	0.2	ug/L	EPA 7470A	
Vinyl chloride	0.64	J	1	0.30	1.0	1	ug/L	EPA 8260B	

Client ID: 4103 I-2 — **Lab ID: C804274-02**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,2-Dichlorobenzene	1.0	J	1	0.27	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	1.7		1	0.20	1.0	1	ug/L	EPA 8260B	
Barium	634		1	0.20	10.0	100	ug/L	EPA 6010B	
Chlorobenzene	5.8		1	0.27	1.0	3	ug/L	EPA 8260B	
Chromium	25.2		1	2.0	10.0	10	ug/L	EPA 6010B	
cis-1,2-Dichloroethene	0.42	J	1	0.30	1.0	5	ug/L	EPA 8260B	
Lead	5.6	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Vinyl chloride	0.90	J	1	0.30	1.0	1	ug/L	EPA 8260B	

Client ID: 4103 I-3 — **Lab ID: C804274-03**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	2.0	J	1	0.33	1.0	5	ug/L	EPA 8260B	
1,2-Dichlorobenzene	0.49	J	1	0.27	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	3.8		1	0.20	1.0	1	ug/L	EPA 8260B	
Barium	128		1	0.20	10.0	100	ug/L	EPA 6010B	
Chlorobenzene	9.8		1	0.27	1.0	3	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	0.77	J	1	0.30	1.0	5	ug/L	EPA 8260B	
Vinyl chloride	0.65	J	1	0.30	1.0	1	ug/L	EPA 8260B	

Client ID: 4103 I-4 — **Lab ID: C804274-04**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,4-Dichlorobenzene	5.1		1	0.20	1.0	1	ug/L	EPA 8260B	
Barium	964		1	0.20	10.0	100	ug/L	EPA 6010B	
Benzene	0.43	J	1	0.20	1.0	1	ug/L	EPA 8260B	
Chlorobenzene	9.4		1	0.27	1.0	3	ug/L	EPA 8260B	
Chromium	91.5		1	2.0	10.0	10	ug/L	EPA 6010B	
Lead	17.6		1	2.0	10.0	10	ug/L	EPA 6010B	

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ANALYTICAL RESULTS

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

Lab Sample ID: C804274-01
Sampled: 05/02/08 10:55
Sampled By: Gary Simcox

Received: 05/06/08 08:30
Work Order: C804274

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] ^	0.29	U	ug/L	1	0.29	1.0	5	EPA 8260B	05/13/08 16:09	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	05/13/08 16:09	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	05/13/08 16:09	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/13/08 16:09	JKG	
1,1-Dichloroethane [75-34-3] ^	**1.3**	J	ug/L	1	0.33	1.0	5	EPA 8260B	05/13/08 16:09	JKG	
1,1-Dichloroethene [75-35-4] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	05/13/08 16:09	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	05/13/08 16:09	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/13/08 16:09	JKG	
1,2-Dibromoethane [106-93-4] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	05/13/08 16:09	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	05/13/08 16:09	JKG	
1,2-Dichloroethane [107-06-2] ^	0.46	U	ug/L	1	0.46	1.0	1	EPA 8260B	05/13/08 16:09	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/13/08 16:09	JKG	
1,4-Dichlorobenzene [106-46-7] ^	**4.6**		ug/L	1	0.20	1.0	1	EPA 8260B	05/13/08 16:09	JKG	
2-Butanone [78-93-3] ^	0.44	U	ug/L	1	0.44	5.0	100	EPA 8260B	05/13/08 16:09	JKG	
2-Hexanone [591-78-6] ^	0.60	U	ug/L	1	0.60	5.0	50	EPA 8260B	05/13/08 16:09	JKG	
4-Methyl-2-pentanone [108-10-1] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	05/13/08 16:09	JKG	
Acetone [67-64-1] ^	0.62	U	ug/L	1	0.62	5.0	100	EPA 8260B	05/13/08 16:09	JKG	
Acrylonitrile [107-13-1] ^	1.0	U	ug/L	1	1.0	5.0	200	EPA 8260B	05/13/08 16:09	JKG	
Benzene [71-43-2] ^	**1.7**		ug/L	1	0.20	1.0	1	EPA 8260B	05/13/08 16:09	JKG	
Bromochloromethane [74-97-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	05/13/08 16:09	JKG	
Bromodichloromethane [75-27-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/13/08 16:09	JKG	
Bromoform [75-25-2] ^	0.29	U	ug/L	1	0.29	1.0	3	EPA 8260B	05/13/08 16:09	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	05/13/08 16:09	JKG	
Carbon disulfide [75-15-0] ^	0.40	U	ug/L	1	0.40	5.0	100	EPA 8260B	05/13/08 16:09	JKG	
Carbon tetrachloride [56-23-5] ^	0.35	U	ug/L	1	0.35	1.0	1	EPA 8260B	05/13/08 16:09	JKG	
Chlorobenzene [108-90-7] ^	**4.6**		ug/L	1	0.27	1.0	3	EPA 8260B	05/13/08 16:09	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	05/13/08 16:09	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	05/13/08 16:09	JKG	
Chloromethane [74-87-3] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	05/13/08 16:09	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	**1.3**	J	ug/L	1	0.30	1.0	5	EPA 8260B	05/13/08 16:09	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	05/13/08 16:09	JKG	
Dibromochloromethane [124-48-1] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	05/13/08 16:09	JKG	
Dibromomethane [74-95-3] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	05/13/08 16:09	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/13/08 16:09	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	2.0	10	EPA 8260B	05/13/08 16:09	JKG	
Methylene chloride [75-09-2] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	05/13/08 16:09	JKG	
Styrene [100-42-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/13/08 16:09	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	05/13/08 16:09	JKG	
Toluene [108-88-3] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/13/08 16:09	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.25	U	ug/L	1	0.25	1.0	5	EPA 8260B	05/13/08 16:09	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	05/13/08 16:09	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.44	U	ug/L	1	0.44	1.0	100	EPA 8260B	05/13/08 16:09	JKG	
Trichloroethene [79-01-6] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	05/13/08 16:09	JKG	

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

Lab Sample ID: C804274-01
Sampled: 05/02/08 10:55
Sampled By: Gary Simcox

Received: 05/06/08 08:30
Work Order: C804274

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
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	05/13/08 16:09	JKG	
Vinyl acetate [108-05-4] ^	0.40	U	ug/L	1	0.40	2.0	50	EPA 8260B	05/13/08 16:09	JKG	
Vinyl chloride [75-01-4] ^	**0.64**	J	ug/L	1	0.30	1.0	1	EPA 8260B	05/13/08 16:09	JKG	
Xylenes (Total) [1330-20-7]	0.67	U	ug/L	1	0.67	1.0	5	EPA 8260B	05/13/08 16:09	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*35*	*1*	*50.0*	*70 %*	*69-120*	*8E13015*	*EPA 8260B*	*05/13/08 16:09*	*JKG*	
Dibromofluoromethane	*52*	*1*	*50.0*	*104 %*	*61-120*	*8E13015*	*EPA 8260B*	*05/13/08 16:09*	*JKG*	
Toluene-d8	*46*	*1*	*50.0*	*92 %*	*75-99*	*8E13015*	*EPA 8260B*	*05/13/08 16:09*	*JKG*	

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

Lab Sample ID: C804274-01
Sampled: 05/02/08 10:55
Sampled By: Gary Simcox

Received: 05/06/08 08:30
Work Order: C804274

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	05/17/08 11:57	VLO	
Barium [7440-39-3] ^	**371**		ug/L	1	0.20	10.0	100	EPA 6010B	05/17/08 11:57	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	05/17/08 11:57	VLO	
Chromium [7440-47-3] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	05/17/08 11:57	VLO	
Lead [7439-92-1] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	05/17/08 11:57	VLO	
Mercury [7439-97-6] ^	**0.45**		ug/L	1	0.11	0.20	0.2	EPA 7470A	05/13/08 13:50	MPL	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	05/17/08 11:57	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	05/17/08 11:57	VLO	

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

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

Lab Sample ID: C804274-02
Sampled: 05/02/08 14:40
Sampled By: Gary Simcox

Received: 05/06/08 08:30
Work Order: C804274

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] ^	0.29	U	ug/L	1	0.29	1.0	5	EPA 8260B	05/13/08 16:40	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	05/13/08 16:40	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	05/13/08 16:40	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/13/08 16:40	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	05/13/08 16:40	JKG	
1,1-Dichloroethene [75-35-4] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	05/13/08 16:40	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	05/13/08 16:40	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/13/08 16:40	JKG	
1,2-Dibromoethane [106-93-4] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	05/13/08 16:40	JKG	
1,2-Dichlorobenzene [95-50-1] ^	**1.0**	J	ug/L	1	0.27	1.0	5	EPA 8260B	05/13/08 16:40	JKG	
1,2-Dichloroethane [107-06-2] ^	0.46	U	ug/L	1	0.46	1.0	1	EPA 8260B	05/13/08 16:40	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/13/08 16:40	JKG	
1,4-Dichlorobenzene [106-46-7] ^	**1.7**		ug/L	1	0.20	1.0	1	EPA 8260B	05/13/08 16:40	JKG	
2-Butanone [78-93-3] ^	0.44	U	ug/L	1	0.44	5.0	100	EPA 8260B	05/13/08 16:40	JKG	
2-Hexanone [591-78-6] ^	0.60	U	ug/L	1	0.60	5.0	50	EPA 8260B	05/13/08 16:40	JKG	
4-Methyl-2-pentanone [108-10-1] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	05/13/08 16:40	JKG	
Acetone [67-64-1] ^	0.62	U	ug/L	1	0.62	5.0	100	EPA 8260B	05/13/08 16:40	JKG	
Acrylonitrile [107-13-1] ^	1.0	U	ug/L	1	1.0	5.0	200	EPA 8260B	05/13/08 16:40	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/13/08 16:40	JKG	
Bromochloromethane [74-97-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	05/13/08 16:40	JKG	
Bromodichloromethane [75-27-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/13/08 16:40	JKG	
Bromoform [75-25-2] ^	0.29	U	ug/L	1	0.29	1.0	3	EPA 8260B	05/13/08 16:40	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	05/13/08 16:40	JKG	
Carbon disulfide [75-15-0] ^	0.40	U	ug/L	1	0.40	5.0	100	EPA 8260B	05/13/08 16:40	JKG	
Carbon tetrachloride [56-23-5] ^	0.35	U	ug/L	1	0.35	1.0	1	EPA 8260B	05/13/08 16:40	JKG	
Chlorobenzene [108-90-7] ^	**5.8**		ug/L	1	0.27	1.0	3	EPA 8260B	05/13/08 16:40	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	05/13/08 16:40	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	05/13/08 16:40	JKG	
Chloromethane [74-87-3] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	05/13/08 16:40	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	**0.42**	J	ug/L	1	0.30	1.0	5	EPA 8260B	05/13/08 16:40	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	05/13/08 16:40	JKG	
Dibromochloromethane [124-48-1] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	05/13/08 16:40	JKG	
Dibromomethane [74-95-3] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	05/13/08 16:40	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/13/08 16:40	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	2.0	10	EPA 8260B	05/13/08 16:40	JKG	
Methylene chloride [75-09-2] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	05/13/08 16:40	JKG	
Styrene [100-42-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/13/08 16:40	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	05/13/08 16:40	JKG	
Toluene [108-88-3] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/13/08 16:40	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.25	U	ug/L	1	0.25	1.0	5	EPA 8260B	05/13/08 16:40	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	05/13/08 16:40	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.44	U	ug/L	1	0.44	1.0	100	EPA 8260B	05/13/08 16:40	JKG	
Trichloroethene [79-01-6] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	05/13/08 16:40	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	05/13/08 16:40	JKG	
Vinyl acetate [108-05-4] ^	0.40	U	ug/L	1	0.40	2.0	50	EPA 8260B	05/13/08 16:40	JKG	

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

Lab Sample ID: C804274-02
Sampled: 05/02/08 14:40
Sampled By: Gary Simcox

Received: 05/06/08 08:30
Work Order: C804274

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] ^	**0.90**	J	ug/L	1	0.30	1.0	1	EPA 8260B	05/13/08 16:40	JKG	
Xylenes (Total) [1330-20-7]	0.67	U	ug/L	1	0.67	1.0	5	EPA 8260B	05/13/08 16:40	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*35*	*1*	*50.0*	*71 %*	*69-120*	*8E13015*	*EPA 8260B*	*05/13/08 16:40*	*JKG*	
Dibromofluoromethane	*53*	*1*	*50.0*	*107 %*	*61-120*	*8E13015*	*EPA 8260B*	*05/13/08 16:40*	*JKG*	
Toluene-d8	*46*	*1*	*50.0*	*92 %*	*75-99*	*8E13015*	*EPA 8260B*	*05/13/08 16:40*	*JKG*	

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

Lab Sample ID: C804274-02
Sampled: 05/02/08 14:40
Sampled By: Gary Simcox

Received: 05/06/08 08:30
Work Order: C804274

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	05/17/08 12:21	VLO	
Barium [7440-39-3] ^	**634**		ug/L	1	0.20	10.0	100	EPA 6010B	05/17/08 12:21	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	05/17/08 12:21	VLO	
Chromium [7440-47-3] ^	**25.2**		ug/L	1	2.0	10.0	10	EPA 6010B	05/17/08 12:21	VLO	
Lead [7439-92-1] ^	**5.6**	J	ug/L	1	2.0	10.0	10	EPA 6010B	05/17/08 12:21	VLO	
Mercury [7439-97-6] ^	0.11	U	ug/L	1	0.11	0.20	0.2	EPA 7470A	05/13/08 13:53	MPL	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	05/17/08 12:21	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	05/17/08 12:21	VLO	

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

Lab Sample ID: C804274-03
Sampled: 05/02/08 15:25
Sampled By: Gary Simcox

Received: 05/06/08 08:30
Work Order: C804274

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] ^	0.29	U	ug/L	1	0.29	1.0	5	EPA 8260B	05/13/08 17:11	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	05/13/08 17:11	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	05/13/08 17:11	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/13/08 17:11	JKG	
1,1-Dichloroethane [75-34-3] ^	**2.0**	J	ug/L	1	0.33	1.0	5	EPA 8260B	05/13/08 17:11	JKG	
1,1-Dichloroethene [75-35-4] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	05/13/08 17:11	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	05/13/08 17:11	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/13/08 17:11	JKG	
1,2-Dibromoethane [106-93-4] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	05/13/08 17:11	JKG	
1,2-Dichlorobenzene [95-50-1] ^	**0.49**	J	ug/L	1	0.27	1.0	5	EPA 8260B	05/13/08 17:11	JKG	
1,2-Dichloroethane [107-06-2] ^	0.46	U	ug/L	1	0.46	1.0	1	EPA 8260B	05/13/08 17:11	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/13/08 17:11	JKG	
1,4-Dichlorobenzene [106-46-7] ^	**3.8**		ug/L	1	0.20	1.0	1	EPA 8260B	05/13/08 17:11	JKG	
2-Butanone [78-93-3] ^	0.44	U	ug/L	1	0.44	5.0	100	EPA 8260B	05/13/08 17:11	JKG	
2-Hexanone [591-78-6] ^	0.60	U	ug/L	1	0.60	5.0	50	EPA 8260B	05/13/08 17:11	JKG	
4-Methyl-2-pentanone [108-10-1] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	05/13/08 17:11	JKG	
Acetone [67-64-1] ^	0.62	U	ug/L	1	0.62	5.0	100	EPA 8260B	05/13/08 17:11	JKG	
Acrylonitrile [107-13-1] ^	1.0	U	ug/L	1	1.0	5.0	200	EPA 8260B	05/13/08 17:11	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/13/08 17:11	JKG	
Bromochloromethane [74-97-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	05/13/08 17:11	JKG	
Bromodichloromethane [75-27-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/13/08 17:11	JKG	
Bromoform [75-25-2] ^	0.29	U	ug/L	1	0.29	1.0	3	EPA 8260B	05/13/08 17:11	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	05/13/08 17:11	JKG	
Carbon disulfide [75-15-0] ^	0.40	U	ug/L	1	0.40	5.0	100	EPA 8260B	05/13/08 17:11	JKG	
Carbon tetrachloride [56-23-5] ^	0.35	U	ug/L	1	0.35	1.0	1	EPA 8260B	05/13/08 17:11	JKG	
Chlorobenzene [108-90-7] ^	**9.8**		ug/L	1	0.27	1.0	3	EPA 8260B	05/13/08 17:11	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	05/13/08 17:11	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	05/13/08 17:11	JKG	
Chloromethane [74-87-3] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	05/13/08 17:11	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	**0.77**	J	ug/L	1	0.30	1.0	5	EPA 8260B	05/13/08 17:11	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	05/13/08 17:11	JKG	
Dibromochloromethane [124-48-1] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	05/13/08 17:11	JKG	
Dibromomethane [74-95-3] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	05/13/08 17:11	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/13/08 17:11	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	2.0	10	EPA 8260B	05/13/08 17:11	JKG	
Methylene chloride [75-09-2] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	05/13/08 17:11	JKG	
Styrene [100-42-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/13/08 17:11	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	05/13/08 17:11	JKG	
Toluene [108-88-3] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/13/08 17:11	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.25	U	ug/L	1	0.25	1.0	5	EPA 8260B	05/13/08 17:11	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	05/13/08 17:11	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.44	U	ug/L	1	0.44	1.0	100	EPA 8260B	05/13/08 17:11	JKG	
Trichloroethene [79-01-6] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	05/13/08 17:11	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	05/13/08 17:11	JKG	
Vinyl acetate [108-05-4] ^	0.40	U	ug/L	1	0.40	2.0	50	EPA 8260B	05/13/08 17:11	JKG	
Vinyl chloride [75-01-4] ^	**0.65**	J	ug/L	1	0.30	1.0	1	EPA 8260B	05/13/08 17:11	JKG	

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

Lab Sample ID: C804274-03
Sampled: 05/02/08 15:25
Sampled By: Gary Simcox

Received: 05/06/08 08:30
Work Order: C804274

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
Xylenes (Total) [1330-20-7]	0.67	U	ug/L	1	0.67	1.0	5	EPA 8260B	05/13/08 17:11	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*35*	*1*	*50.0*	*70 %*	*69-120*	*8E13015*	*EPA 8260B*	*05/13/08 17:11*	*JKG*	
Dibromofluoromethane	*53*	*1*	*50.0*	*106 %*	*61-120*	*8E13015*	*EPA 8260B*	*05/13/08 17:11*	*JKG*	
Toluene-d8	*47*	*1*	*50.0*	*93 %*	*75-99*	*8E13015*	*EPA 8260B*	*05/13/08 17:11*	*JKG*	

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

Lab Sample ID: C804274-03
Sampled: 05/02/08 15:25
Sampled By: Gary Simcox

Received: 05/06/08 08:30
Work Order: C804274

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	05/17/08 12:28	VLO	
Barium [7440-39-3] ^	**128**		ug/L	1	0.20	10.0	100	EPA 6010B	05/17/08 12:28	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	05/17/08 12:28	VLO	
Chromium [7440-47-3] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	05/17/08 12:28	VLO	
Lead [7439-92-1] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	05/17/08 12:28	VLO	
Mercury [7439-97-6] ^	0.11	U	ug/L	1	0.11	0.20	0.2	EPA 7470A	05/13/08 14:02	MPL	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	05/17/08 12:28	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	05/17/08 12:28	VLO	

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

Lab Sample ID: C804274-04
Sampled: 05/02/08 16:35
Sampled By: Gary Simcox

Received: 05/06/08 08:30
Work Order: C804274

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] ^	0.29	U	ug/L	1	0.29	1.0	5	EPA 8260B	05/13/08 17:42	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	05/13/08 17:42	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	05/13/08 17:42	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/13/08 17:42	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	05/13/08 17:42	JKG	
1,1-Dichloroethene [75-35-4] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	05/13/08 17:42	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	05/13/08 17:42	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/13/08 17:42	JKG	
1,2-Dibromoethane [106-93-4] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	05/13/08 17:42	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	05/13/08 17:42	JKG	
1,2-Dichloroethane [107-06-2] ^	0.46	U	ug/L	1	0.46	1.0	1	EPA 8260B	05/13/08 17:42	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/13/08 17:42	JKG	
1,4-Dichlorobenzene [106-46-7] ^	**5.1**		ug/L	1	0.20	1.0	1	EPA 8260B	05/13/08 17:42	JKG	
2-Butanone [78-93-3] ^	0.44	U	ug/L	1	0.44	5.0	100	EPA 8260B	05/13/08 17:42	JKG	
2-Hexanone [591-78-6] ^	0.60	U	ug/L	1	0.60	5.0	50	EPA 8260B	05/13/08 17:42	JKG	
4-Methyl-2-pentanone [108-10-1] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	05/13/08 17:42	JKG	
Acetone [67-64-1] ^	0.62	U	ug/L	1	0.62	5.0	100	EPA 8260B	05/13/08 17:42	JKG	
Acrylonitrile [107-13-1] ^	1.0	U	ug/L	1	1.0	5.0	200	EPA 8260B	05/13/08 17:42	JKG	
Benzene [71-43-2] ^	**0.43**	J	ug/L	1	0.20	1.0	1	EPA 8260B	05/13/08 17:42	JKG	
Bromochloromethane [74-97-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	05/13/08 17:42	JKG	
Bromodichloromethane [75-27-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/13/08 17:42	JKG	
Bromoform [75-25-2] ^	0.29	U	ug/L	1	0.29	1.0	3	EPA 8260B	05/13/08 17:42	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	05/13/08 17:42	JKG	
Carbon disulfide [75-15-0] ^	0.40	U	ug/L	1	0.40	5.0	100	EPA 8260B	05/13/08 17:42	JKG	
Carbon tetrachloride [56-23-5] ^	0.35	U	ug/L	1	0.35	1.0	1	EPA 8260B	05/13/08 17:42	JKG	
Chlorobenzene [108-90-7] ^	**9.4**		ug/L	1	0.27	1.0	3	EPA 8260B	05/13/08 17:42	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	05/13/08 17:42	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	05/13/08 17:42	JKG	
Chloromethane [74-87-3] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	05/13/08 17:42	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.30	U	ug/L	1	0.30	1.0	5	EPA 8260B	05/13/08 17:42	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	05/13/08 17:42	JKG	
Dibromochloromethane [124-48-1] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	05/13/08 17:42	JKG	
Dibromomethane [74-95-3] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	05/13/08 17:42	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/13/08 17:42	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	2.0	10	EPA 8260B	05/13/08 17:42	JKG	
Methylene chloride [75-09-2] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	05/13/08 17:42	JKG	
Styrene [100-42-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/13/08 17:42	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	05/13/08 17:42	JKG	
Toluene [108-88-3] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/13/08 17:42	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.25	U	ug/L	1	0.25	1.0	5	EPA 8260B	05/13/08 17:42	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	05/13/08 17:42	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.44	U	ug/L	1	0.44	1.0	100	EPA 8260B	05/13/08 17:42	JKG	
Trichloroethene [79-01-6] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	05/13/08 17:42	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	05/13/08 17:42	JKG	
Vinyl acetate [108-05-4] ^	0.40	U	ug/L	1	0.40	2.0	50	EPA 8260B	05/13/08 17:42	JKG	

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

Lab Sample ID: C804274-04
Sampled: 05/02/08 16:35
Sampled By: Gary Simcox

Received: 05/06/08 08:30
Work Order: C804274

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] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	05/13/08 17:42	JKG	
Xylenes (Total) [1330-20-7]	0.67	U	ug/L	1	0.67	1.0	5	EPA 8260B	05/13/08 17:42	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*37*	*1*	*50.0*	*74 %*	*69-120*	*8E13015*	*EPA 8260B*	*05/13/08 17:42*	*JKG*	
Dibromofluoromethane	*51*	*1*	*50.0*	*102 %*	*61-120*	*8E13015*	*EPA 8260B*	*05/13/08 17:42*	*JKG*	
Toluene-d8	*46*	*1*	*50.0*	*92 %*	*75-99*	*8E13015*	*EPA 8260B*	*05/13/08 17:42*	*JKG*	

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

Lab Sample ID: C804274-04
Sampled: 05/02/08 16:35
Sampled By: Gary Simcox

Received: 05/06/08 08:30
Work Order: C804274

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	05/17/08 12:35	VLO	
Barium [7440-39-3] ^	**964**		ug/L	1	0.20	10.0	100	EPA 6010B	05/17/08 12:35	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	05/17/08 12:35	VLO	
Chromium [7440-47-3] ^	**91.5**		ug/L	1	2.0	10.0	10	EPA 6010B	05/17/08 12:35	VLO	
Lead [7439-92-1] ^	**17.6**		ug/L	1	2.0	10.0	10	EPA 6010B	05/17/08 12:35	VLO	
Mercury [7439-97-6] ^	0.11	U	ug/L	1	0.11	0.20	0.2	EPA 7470A	05/13/08 14:06	MPL	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	05/17/08 12:35	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	05/17/08 12:35	VLO	

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 8E13015 - EPA 5030B_MS

Blank (8E13015-BLK1) Prepared: 05/13/2008 10:33 Analyzed: 05/13/2008 13:05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloromethane	0.23	U	1.0	ug/L							
Vinyl chloride	0.30	U	1.0	ug/L							
Bromomethane	0.49	U	1.0	ug/L							
Chloroethane	0.30	U	1.0	ug/L							
Trichlorofluoromethane	0.28	U	1.0	ug/L							
1,1-Dichloroethene	0.20	U	1.0	ug/L							
Acetone	0.62	U	5.0	ug/L							
Iodomethane	0.52	U	2.0	ug/L							
Carbon disulfide	0.40	U	5.0	ug/L							
Methylene chloride	0.24	U	1.0	ug/L							
Acrylonitrile	1.0	U	5.0	ug/L							
trans-1,2-Dichloroethene	0.25	U	1.0	ug/L							
1,1-Dichloroethane	0.33	U	1.0	ug/L							
Vinyl acetate	0.40	U	2.0	ug/L							
2-Butanone	0.44	U	5.0	ug/L							
cis-1,2-Dichloroethene	0.30	U	1.0	ug/L							
Bromochloromethane	0.27	U	1.0	ug/L							
Chloroform	0.20	U	1.0	ug/L							
1,1,1-Trichloroethane	0.27	U	1.0	ug/L							
Carbon tetrachloride	0.35	U	1.0	ug/L							
1,2-Dichloroethane	0.46	U	1.0	ug/L							
Benzene	0.20	U	1.0	ug/L							
Trichloroethene	0.25	U	1.0	ug/L							
1,2-Dichloropropane	0.20	U	1.0	ug/L							
Dibromomethane	0.21	U	1.0	ug/L							
Bromodichloromethane	0.20	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.24	U	1.0	ug/L							
4-Methyl-2-pentanone	0.56	U	5.0	ug/L							
Toluene	0.20	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.30	U	1.0	ug/L							
1,1,2-Trichloroethane	0.20	U	1.0	ug/L							
Tetrachloroethene	0.36	U	1.0	ug/L							
2-Hexanone	0.60	U	5.0	ug/L							
Dibromochloromethane	0.28	U	1.0	ug/L							
1,2-Dibromoethane	0.27	U	1.0	ug/L							
Chlorobenzene	0.27	U	1.0	ug/L							
1,1,1,2-Tetrachloroethane	0.29	U	1.0	ug/L							
Ethylbenzene	0.20	U	1.0	ug/L							
Styrene	0.20	U	1.0	ug/L							
Bromoform	0.29	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.33	U	1.0	ug/L							
1,2,3-Trichloropropane	0.47	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.44	U	1.0	ug/L							
1,4-Dichlorobenzene	0.20	U	1.0	ug/L							
1,2-Dichlorobenzene	0.27	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
Xylenes (Total)	0.67	U	1.0	ug/L							
Surrogate: Dibromofluoromethane	*52*			*ug/L*	*50.0*		*105*	*61-120*			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 8E13015 - EPA 5030B_MS

Blank (8E13015-BLK1) Continued Prepared: 05/13/2008 10:33 Analyzed: 05/13/2008 13:05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Toluene-d8	*45*			*ug/L*	*50.0*		*91*	*75-99*			
Surrogate: 4-Bromofluorobenzene	*34*			*ug/L*	*50.0*		*69*	*69-120*			

LCS (8E13015-BS1) Prepared: 05/13/2008 10:33 Analyzed: 05/13/2008 13:35

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0		109	71-121			
Benzene	22		1.0	ug/L	20.0		110	77-128			
Trichloroethene	22		1.0	ug/L	20.0		108	79-120			
Toluene	19		1.0	ug/L	20.0		96	77-120			
Chlorobenzene	22		1.0	ug/L	20.0		111	78-120			

Matrix Spike (8E13015-MS1) Prepared: 05/13/2008 10:33 Analyzed: 05/13/2008 14:06
Source: C804960-09

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	0.20 U	115	71-121			
Benzene	21		1.0	ug/L	20.0	0.20 U	103	77-128			
Trichloroethene	21		1.0	ug/L	20.0	0.25 U	104	79-120			
Toluene	18		1.0	ug/L	20.0	0.20 U	89	77-120			
Chlorobenzene	20		1.0	ug/L	20.0	0.27 U	101	78-120			

Matrix Spike Dup (8E13015-MSD1) Prepared: 05/13/2008 10:33 Analyzed: 05/13/2008 14:37
Source: C804960-09

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	0.20 U	117	71-121	1	27	
Benzene	22		1.0	ug/L	20.0	0.20 U	112	77-128	9	27	
Trichloroethene	21		1.0	ug/L	20.0	0.25 U	105	79-120	0.7	27	
Toluene	19		1.0	ug/L	20.0	0.20 U	96	77-120	8	23	
Chlorobenzene	21		1.0	ug/L	20.0	0.27 U	105	78-120	4	25	

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 8E08024 - EPA 3005A

Blank (8E08024-BLK1) Prepared: 05/08/2008 13:13 Analyzed: 05/17/2008 11:41

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 (8E08024-BS1) Prepared: 05/08/2008 13:13 Analyzed: 05/17/2008 11:48

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 8E08024 - EPA 3005A

LCS (8E08024-BS1) Continued Prepared: 05/08/2008 13:13 Analyzed: 05/17/2008 11:48

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	510		10.0	ug/L	500		102	82-117			
Barium	511		10.0	ug/L	500		102	72-125			
Cadmium	260		1.00	ug/L	250		104	72-120			
Chromium	502		10.0	ug/L	500		100	78-119			
Lead	503		10.0	ug/L	500		101	72-121			
Selenium	517		10.0	ug/L	500		103	82-127			
Silver	47.4		10.0	ug/L	50.0		95	80-128			

Matrix Spike (8E08024-MS1) Prepared: 05/08/2008 13:13 Analyzed: 05/17/2008 12:05

Source: C804274-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	503		10.0	ug/L	500	2.0 U	101	64-126			
Barium	889		10.0	ug/L	500	371	104	74-119			
Cadmium	243		1.00	ug/L	250	0.50 U	97	68-121			
Chromium	474		10.0	ug/L	500	2.0 U	95	73-120			
Lead	471		10.0	ug/L	500	2.0 U	94	68-126			
Selenium	509		10.0	ug/L	500	2.0 U	102	65-129			
Silver	47.9		10.0	ug/L	50.0	2.0 U	96	69-121			

Matrix Spike Dup (8E08024-MSD1) Prepared: 05/08/2008 13:13 Analyzed: 05/17/2008 12:12

Source: C804274-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	499		10.0	ug/L	500	2.0 U	100	64-126	0.8	12	
Barium	876		10.0	ug/L	500	371	101	74-119	1	11	
Cadmium	242		1.00	ug/L	250	0.50 U	97	68-121	0.4	12	
Chromium	474		10.0	ug/L	500	2.0 U	95	73-120	0.2	10	
Lead	471		10.0	ug/L	500	2.0 U	94	68-126	0.08	19	
Selenium	504		10.0	ug/L	500	2.0 U	101	65-129	1	10	
Silver	47.9		10.0	ug/L	50.0	2.0 U	96	69-121	0	12	

Batch 8E12001 - EPA 7470A

Blank (8E12001-BLK1) Prepared: 05/12/2008 07:09 Analyzed: 05/13/2008 13:23

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 (8E12001-BS1) Prepared: 05/12/2008 07:09 Analyzed: 05/13/2008 13:26

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.83		0.20	ug/L	5.00		97	87-123			

Matrix Spike (8E12001-MS1) Prepared: 05/12/2008 07:09 Analyzed: 05/13/2008 13:33

Source: C804347-01

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 8E12001 - EPA 7470A

Matrix Spike (8E12001-MS1) Continued Prepared: 05/12/2008 07:09 Analyzed: 05/13/2008 13:33

Source: C804347-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.26		0.20	ug/L	5.00	0.11 U	85	63-132			

Matrix Spike Dup (8E12001-MSD1) Prepared: 05/12/2008 07:09 Analyzed: 05/13/2008 13:36

Source: C804347-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.36		0.20	ug/L	5.00	0.11 U	87	63-132	2	10	

Post Spike (8E12001-PS1) Prepared: 05/12/2008 07:09 Analyzed: 05/13/2008 13:39

Source: C804347-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.12		0.20	ug/L	5.00	-0.03	83	0-200			

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.

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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

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

102-A Woodwinds Industrial Ct.
Cary, NC 27511
(919) 467-3090 Fax (919) 467-3515

Page 1 of 1

Client Name	S&ME, Inc. (SM004)
Address	3718 Old Battleground Rd.
City/ST/Zip	Greensboro, NC 27410
Tel	(336) 288-7180
Fax	(336) 288-8980
Sampler(s) Name, Affiliation (Print)	Gary Simcox / S&ME
Sampler(s) Signature	
Project Number	4-Tnotel
Project Name/Desc	White Rock Landfill Appl Monitoring Plan for...
PO # / Billing Info	
Reporting Contact	Edmund Harrison
Billing Contact	Accounts Payable
Facility # (if required)	

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

Preservation (See Codes) (Combine as necessary)

Requested Turnaround Times

Note: Rush requests subject to acceptance by the facility

___ Standard

___ Expedited

Due ___/___/___

Lab Workorder: C804274

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers			Sample Comments
	41031-1	5/2/08	1055	G	GW	4	X	X	
	41031-2	5/2/08	1440	G	GW	4	X	X	
	41031-3	5/2/08	1525	G	GW	4	X	X	
	41031-4	5/2/08	1635	G	GW	4	X	X	

<-- Total # of Containers

Sample Kit Prepared By: SWL	Date/Time: 4/24 1000	Relinquished By:	Date/Time:	Received By:	Date/Time:
Comments:		Relinquished By:	Date/Time:	Received By:	Date/Time:
		Relinquished By:	Date/Time:	Received By: John Lawton	Date/Time: 5/6 830
		Cooler #'s & Temps on Receipt: C-498 5.6		Condition Upon Receipt: ___ Acceptable ___ Unacceptable	

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

Preservation: 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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ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

10775 Central Port Dr.
Orlando, FL 32824
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4810 Executive Park Court, Suite 211
Jacksonville, FL 32216-6069
(904) 296-3007 Fax (904) 296-6210

102-A Woodwinds Industrial Ct.
Cary, NC 27511
(919) 467-3090 Fax (919) 467-3515

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

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

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

___ Standard

___ Expedited

Due ___/___/___

Lab Workorder: C804274

Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8260B Appendix I	Ag,As,Ba,Cd,Cr,Hg,Pb,Se	Sample Comments
	4103 I-1	5/2/08	1055	G	GW	4	X	X	
	4103 I-2	5/2/08	1440	G	GW	4	X	X	
	4103 I-3	5/2/08	1525	G	GW	4	X	X	
	4103 I-4	5/2/08	1635	G	GW	4	X	X	

<-- Total # of Containers

Sample Kit Prepared By: JWL	Date/Time: 4/24 1000	Relinquished By:	Date/Time:	Received By:	Date/Time:
Comments:		Relinquished By:	Date/Time:	Received By:	Date/Time:
		Relinquished By:	Date/Time:	Received By: John Lawter	Date/Time: 5/6 830
		Cooler #'s & Temps on Receipt: C-498 5.6		Condition Upon Receipt: ___ Acceptable ___ Unacceptable	

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

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

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

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

Lab Sample ID: C804272-13
Sampled: 05/05/08 12:30
Sampled By: Gary Simcox

Received: 05/06/08 08:30
Work Order: C804272

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] ^	0.29	U	ug/L	1	0.29	1.0	5	EPA 8260B	05/12/08 22:29	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	05/12/08 22:29	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	05/12/08 22:29	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/12/08 22:29	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	05/12/08 22:29	JKG	
1,1-Dichloroethene [75-35-4] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	05/12/08 22:29	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	05/12/08 22:29	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/12/08 22:29	JKG	
1,2-Dibromoethane [106-93-4] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	05/12/08 22:29	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	05/12/08 22:29	JKG	
1,2-Dichloroethane [107-06-2] ^	0.46	U	ug/L	1	0.46	1.0	1	EPA 8260B	05/12/08 22:29	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/12/08 22:29	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/12/08 22:29	JKG	
2-Butanone [78-93-3] ^	0.44	U	ug/L	1	0.44	5.0	100	EPA 8260B	05/12/08 22:29	JKG	
2-Hexanone [591-78-6] ^	0.60	U	ug/L	1	0.60	5.0	50	EPA 8260B	05/12/08 22:29	JKG	
4-Methyl-2-pentanone [108-10-1] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	05/12/08 22:29	JKG	
Acetone [67-64-1] ^	0.62	U	ug/L	1	0.62	5.0	100	EPA 8260B	05/12/08 22:29	JKG	
Acrylonitrile [107-13-1] ^	1.0	U	ug/L	1	1.0	5.0	200	EPA 8260B	05/12/08 22:29	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/12/08 22:29	JKG	
Bromochloromethane [74-97-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	05/12/08 22:29	JKG	
Bromodichloromethane [75-27-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/12/08 22:29	JKG	
Bromoform [75-25-2] ^	0.29	U	ug/L	1	0.29	1.0	3	EPA 8260B	05/12/08 22:29	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	05/12/08 22:29	JKG	
Carbon disulfide [75-15-0] ^	0.40	U	ug/L	1	0.40	5.0	100	EPA 8260B	05/12/08 22:29	JKG	
Carbon tetrachloride [56-23-5] ^	0.35	U	ug/L	1	0.35	1.0	1	EPA 8260B	05/12/08 22:29	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	05/12/08 22:29	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	05/12/08 22:29	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	05/12/08 22:29	JKG	
Chloromethane [74-87-3] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	05/12/08 22:29	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.30	U	ug/L	1	0.30	1.0	5	EPA 8260B	05/12/08 22:29	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	05/12/08 22:29	JKG	
Dibromochloromethane [124-48-1] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	05/12/08 22:29	JKG	
Dibromomethane [74-95-3] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	05/12/08 22:29	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/12/08 22:29	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	2.0	10	EPA 8260B	05/12/08 22:29	JKG	
Methylene chloride [75-09-2] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	05/12/08 22:29	JKG	
Styrene [100-42-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/12/08 22:29	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	05/12/08 22:29	JKG	
Toluene [108-88-3] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/12/08 22:29	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.25	U	ug/L	1	0.25	1.0	5	EPA 8260B	05/12/08 22:29	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	05/12/08 22:29	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.44	U	ug/L	1	0.44	1.0	100	EPA 8260B	05/12/08 22:29	JKG	
Trichloroethene [79-01-6] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	05/12/08 22:29	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	05/12/08 22:29	JKG	
Vinyl acetate [108-05-4] ^	0.40	U	ug/L	1	0.40	2.0	50	EPA 8260B	05/12/08 22:29	JKG	

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

Lab Sample ID: C804272-13
Sampled: 05/05/08 12:30
Sampled By: Gary Simcox

Received: 05/06/08 08:30
Work Order: C804272

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] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	05/12/08 22:29	JKG	
Xylenes (Total) [1330-20-7]	0.67	U	ug/L	1	0.67	1.0	5	EPA 8260B	05/12/08 22:29	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*40*	*1*	*50.0*	*79 %*	*69-120*	*8E10004*	*EPA 8260B*	*05/12/08 22:29*	*JKG*	
Dibromofluoromethane	*50*	*1*	*50.0*	*101 %*	*61-120*	*8E10004*	*EPA 8260B*	*05/12/08 22:29*	*JKG*	
Toluene-d8	*47*	*1*	*50.0*	*94 %*	*75-99*	*8E10004*	*EPA 8260B*	*05/12/08 22:29*	*JKG*	

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

Lab Sample ID: C804272-13
Sampled: 05/05/08 12:30
Sampled By: Gary Simcox

Received: 05/06/08 08:30
Work Order: C804272

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	05/12/08 11:13	JDH	
Arsenic [7440-38-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	05/19/08 17:01	VLO	
Barium [7440-39-3] ^	**51.2**	JB	ug/L	1	0.20	10.0	100	EPA 6010B	05/19/08 17:01	VLO	
Beryllium [7440-41-7] ^	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	05/19/08 17:01	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	05/19/08 17:01	VLO	
Chromium [7440-47-3] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	05/19/08 17:01	VLO	
Cobalt [7440-48-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	05/19/08 17:01	VLO	
Copper [7440-50-8] ^	**1.30**	J	ug/L	1	0.60	10.0	10	EPA 6010B	05/19/08 17:01	VLO	
Lead [7439-92-1] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	05/19/08 17:01	VLO	
Nickel [7440-02-0] ^	**3.5**	J	ug/L	1	2.0	10.0	50	EPA 6010B	05/19/08 17:01	VLO	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	05/19/08 17:01	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	05/19/08 17:01	VLO	
Thallium [7440-28-0] ^	0.036	U	ug/L	1	0.036	1.00	5.5	EPA 6020	05/12/08 11:13	JDH	
Vanadium [7440-62-2] ^	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	05/19/08 17:01	VLO	
Zinc [7440-66-6] ^	**5.8**	J	ug/L	1	1.0	10.0	10	EPA 6010B	05/19/08 17:01	VLO	

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

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

Lab Sample ID: C804272-14
Sampled: 05/05/08 12:45
Sampled By: Gary Simcox

Received: 05/06/08 08:30
Work Order: C804272

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] ^	0.29	U	ug/L	1	0.29	1.0	5	EPA 8260B	05/12/08 22:59	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	05/12/08 22:59	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	05/12/08 22:59	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/12/08 22:59	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	05/12/08 22:59	JKG	
1,1-Dichloroethene [75-35-4] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	05/12/08 22:59	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	05/12/08 22:59	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/12/08 22:59	JKG	
1,2-Dibromoethane [106-93-4] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	05/12/08 22:59	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	05/12/08 22:59	JKG	
1,2-Dichloroethane [107-06-2] ^	0.46	U	ug/L	1	0.46	1.0	1	EPA 8260B	05/12/08 22:59	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/12/08 22:59	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/12/08 22:59	JKG	
2-Butanone [78-93-3] ^	0.44	U	ug/L	1	0.44	5.0	100	EPA 8260B	05/12/08 22:59	JKG	
2-Hexanone [591-78-6] ^	0.60	U	ug/L	1	0.60	5.0	50	EPA 8260B	05/12/08 22:59	JKG	
4-Methyl-2-pentanone [108-10-1] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	05/12/08 22:59	JKG	
Acetone [67-64-1] ^	0.62	U	ug/L	1	0.62	5.0	100	EPA 8260B	05/12/08 22:59	JKG	
Acrylonitrile [107-13-1] ^	1.0	U	ug/L	1	1.0	5.0	200	EPA 8260B	05/12/08 22:59	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/12/08 22:59	JKG	
Bromochloromethane [74-97-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	05/12/08 22:59	JKG	
Bromodichloromethane [75-27-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/12/08 22:59	JKG	
Bromoform [75-25-2] ^	0.29	U	ug/L	1	0.29	1.0	3	EPA 8260B	05/12/08 22:59	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	05/12/08 22:59	JKG	
Carbon disulfide [75-15-0] ^	0.40	U	ug/L	1	0.40	5.0	100	EPA 8260B	05/12/08 22:59	JKG	
Carbon tetrachloride [56-23-5] ^	0.35	U	ug/L	1	0.35	1.0	1	EPA 8260B	05/12/08 22:59	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	05/12/08 22:59	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	05/12/08 22:59	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	05/12/08 22:59	JKG	
Chloromethane [74-87-3] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	05/12/08 22:59	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.30	U	ug/L	1	0.30	1.0	5	EPA 8260B	05/12/08 22:59	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	05/12/08 22:59	JKG	
Dibromochloromethane [124-48-1] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	05/12/08 22:59	JKG	
Dibromomethane [74-95-3] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	05/12/08 22:59	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/12/08 22:59	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	2.0	10	EPA 8260B	05/12/08 22:59	JKG	
Methylene chloride [75-09-2] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	05/12/08 22:59	JKG	
Styrene [100-42-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/12/08 22:59	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	05/12/08 22:59	JKG	
Toluene [108-88-3] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/12/08 22:59	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.25	U	ug/L	1	0.25	1.0	5	EPA 8260B	05/12/08 22:59	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	05/12/08 22:59	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.44	U	ug/L	1	0.44	1.0	100	EPA 8260B	05/12/08 22:59	JKG	
Trichloroethene [79-01-6] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	05/12/08 22:59	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	05/12/08 22:59	JKG	
Vinyl acetate [108-05-4] ^	0.40	U	ug/L	1	0.40	2.0	50	EPA 8260B	05/12/08 22:59	JKG	

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Description: 4112 SW-3
Matrix: Surface Water
Project: White Street Landfill AppI Monitoring Wells

Lab Sample ID: C804272-14
Sampled: 05/05/08 12:45
Sampled By: Gary Simcox

Received: 05/06/08 08:30
Work Order: C804272

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] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	05/12/08 22:59	JKG	
Xylenes (Total) [1330-20-7]	0.67	U	ug/L	1	0.67	1.0	5	EPA 8260B	05/12/08 22:59	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*40*	*1*	*50.0*	*79 %*	*69-120*	*8E10004*	*EPA 8260B*	*05/12/08 22:59*	*JKG*	
Dibromofluoromethane	*49*	*1*	*50.0*	*98 %*	*61-120*	*8E10004*	*EPA 8260B*	*05/12/08 22:59*	*JKG*	
Toluene-d8	*48*	*1*	*50.0*	*95 %*	*75-99*	*8E10004*	*EPA 8260B*	*05/12/08 22:59*	*JKG*	

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Description: 4112 SW-3
Matrix: Surface Water
Project: White Street Landfill AppI Monitoring Wells

Lab Sample ID: C804272-14
Sampled: 05/05/08 12:45
Sampled By: Gary Simcox

Received: 05/06/08 08:30
Work Order: C804272

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	05/12/08 11:16	JDH	
Arsenic [7440-38-2] ^	**2.4**	J	ug/L	1	2.0	10.0	10	EPA 6010B	05/19/08 17:08	VLO	
Barium [7440-39-3] ^	**53.0**	JB	ug/L	1	0.20	10.0	100	EPA 6010B	05/19/08 17:08	VLO	
Beryllium [7440-41-7] ^	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	05/19/08 17:08	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	05/19/08 17:08	VLO	
Chromium [7440-47-3] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	05/19/08 17:08	VLO	
Cobalt [7440-48-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	05/19/08 17:08	VLO	
Copper [7440-50-8] ^	**2.50**	J	ug/L	1	0.60	10.0	10	EPA 6010B	05/19/08 17:08	VLO	
Lead [7439-92-1] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	05/19/08 17:08	VLO	
Nickel [7440-02-0] ^	**3.9**	J	ug/L	1	2.0	10.0	50	EPA 6010B	05/19/08 17:08	VLO	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	05/19/08 17:08	VLO	
Silver [7440-22-4] ^	**2.2**	J	ug/L	1	2.0	10.0	10	EPA 6010B	05/19/08 17:08	VLO	
Thallium [7440-28-0] ^	0.036	U	ug/L	1	0.036	1.00	5.5	EPA 6020	05/12/08 11:16	JDH	
Vanadium [7440-62-2] ^	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	05/19/08 17:08	VLO	
Zinc [7440-66-6] ^	**6.4**	J	ug/L	1	1.0	10.0	10	EPA 6010B	05/19/08 17:08	VLO	

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

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

Lab Sample ID: C804272-15
Sampled: 05/05/08 12:15
Sampled By: Gary Simcox

Received: 05/06/08 08:30
Work Order: C804272

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] ^	0.29	U	ug/L	1	0.29	1.0	5	EPA 8260B	05/12/08 23:30	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	05/12/08 23:30	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	05/12/08 23:30	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/12/08 23:30	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	05/12/08 23:30	JKG	
1,1-Dichloroethene [75-35-4] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	05/12/08 23:30	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	05/12/08 23:30	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/12/08 23:30	JKG	
1,2-Dibromoethane [106-93-4] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	05/12/08 23:30	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	05/12/08 23:30	JKG	
1,2-Dichloroethane [107-06-2] ^	0.46	U	ug/L	1	0.46	1.0	1	EPA 8260B	05/12/08 23:30	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/12/08 23:30	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/12/08 23:30	JKG	
2-Butanone [78-93-3] ^	0.44	U	ug/L	1	0.44	5.0	100	EPA 8260B	05/12/08 23:30	JKG	
2-Hexanone [591-78-6] ^	0.60	U	ug/L	1	0.60	5.0	50	EPA 8260B	05/12/08 23:30	JKG	
4-Methyl-2-pentanone [108-10-1] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	05/12/08 23:30	JKG	
Acetone [67-64-1] ^	0.62	U	ug/L	1	0.62	5.0	100	EPA 8260B	05/12/08 23:30	JKG	
Acrylonitrile [107-13-1] ^	1.0	U	ug/L	1	1.0	5.0	200	EPA 8260B	05/12/08 23:30	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/12/08 23:30	JKG	
Bromochloromethane [74-97-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	05/12/08 23:30	JKG	
Bromodichloromethane [75-27-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/12/08 23:30	JKG	
Bromoform [75-25-2] ^	0.29	U	ug/L	1	0.29	1.0	3	EPA 8260B	05/12/08 23:30	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	05/12/08 23:30	JKG	
Carbon disulfide [75-15-0] ^	0.40	U	ug/L	1	0.40	5.0	100	EPA 8260B	05/12/08 23:30	JKG	
Carbon tetrachloride [56-23-5] ^	0.35	U	ug/L	1	0.35	1.0	1	EPA 8260B	05/12/08 23:30	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	05/12/08 23:30	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	05/12/08 23:30	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	05/12/08 23:30	JKG	
Chloromethane [74-87-3] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	05/12/08 23:30	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.30	U	ug/L	1	0.30	1.0	5	EPA 8260B	05/12/08 23:30	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	05/12/08 23:30	JKG	
Dibromochloromethane [124-48-1] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	05/12/08 23:30	JKG	
Dibromomethane [74-95-3] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	05/12/08 23:30	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/12/08 23:30	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	2.0	10	EPA 8260B	05/12/08 23:30	JKG	
Methylene chloride [75-09-2] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	05/12/08 23:30	JKG	
Styrene [100-42-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/12/08 23:30	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	05/12/08 23:30	JKG	
Toluene [108-88-3] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/12/08 23:30	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.25	U	ug/L	1	0.25	1.0	5	EPA 8260B	05/12/08 23:30	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	05/12/08 23:30	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.44	U	ug/L	1	0.44	1.0	100	EPA 8260B	05/12/08 23:30	JKG	
Trichloroethene [79-01-6] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	05/12/08 23:30	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	05/12/08 23:30	JKG	
Vinyl acetate [108-05-4] ^	0.40	U	ug/L	1	0.40	2.0	50	EPA 8260B	05/12/08 23:30	JKG	

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Description: 4103 SW-4
Matrix: Surface Water
Project: White Street Landfill AppI Monitoring Wells

Lab Sample ID: C804272-15
Sampled: 05/05/08 12:15
Sampled By: Gary Simcox

Received: 05/06/08 08:30
Work Order: C804272

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] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	05/12/08 23:30	JKG	
Xylenes (Total) [1330-20-7]	0.67	U	ug/L	1	0.67	1.0	5	EPA 8260B	05/12/08 23:30	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*40*	*1*	*50.0*	*79 %*	*69-120*	*8E10004*	*EPA 8260B*	*05/12/08 23:30*	*JKG*	
Dibromofluoromethane	*50*	*1*	*50.0*	*100 %*	*61-120*	*8E10004*	*EPA 8260B*	*05/12/08 23:30*	*JKG*	
Toluene-d8	*48*	*1*	*50.0*	*96 %*	*75-99*	*8E10004*	*EPA 8260B*	*05/12/08 23:30*	*JKG*	

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

Lab Sample ID: C804272-15
Sampled: 05/05/08 12:15
Sampled By: Gary Simcox

Received: 05/06/08 08:30
Work Order: C804272

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	05/12/08 11:19	JDH	
Arsenic [7440-38-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	05/19/08 17:15	VLO	
Barium [7440-39-3] ^	**92.5**	JB	ug/L	1	0.20	10.0	100	EPA 6010B	05/19/08 17:15	VLO	
Beryllium [7440-41-7] ^	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	05/19/08 17:15	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	05/19/08 17:15	VLO	
Chromium [7440-47-3] ^	**15.0**		ug/L	1	2.0	10.0	10	EPA 6010B	05/19/08 17:15	VLO	
Cobalt [7440-48-4] ^	**7.1**	J	ug/L	1	2.0	10.0	10	EPA 6010B	05/19/08 17:15	VLO	
Copper [7440-50-8] ^	**13.3**		ug/L	1	0.60	10.0	10	EPA 6010B	05/19/08 17:15	VLO	
Lead [7439-92-1] ^	**14.8**		ug/L	1	2.0	10.0	10	EPA 6010B	05/19/08 17:15	VLO	
Nickel [7440-02-0] ^	**5.5**	J	ug/L	1	2.0	10.0	50	EPA 6010B	05/19/08 17:15	VLO	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	05/19/08 17:15	VLO	
Silver [7440-22-4] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	05/19/08 17:15	VLO	
Thallium [7440-28-0] ^	0.036	U	ug/L	1	0.036	1.00	5.5	EPA 6020	05/12/08 11:19	JDH	
Vanadium [7440-62-2] ^	**9.3**	J	ug/L	1	1.0	10.0	25	EPA 6010B	05/19/08 17:15	VLO	
Zinc [7440-66-6] ^	**154**		ug/L	1	1.0	10.0	10	EPA 6010B	05/19/08 17:15	VLO	

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

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

Lab Sample ID: C804272-16
Sampled: 05/05/08 12:05
Sampled By: Gary Simcox

Received: 05/06/08 08:30
Work Order: C804272

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] ^	0.29	U	ug/L	1	0.29	1.0	5	EPA 8260B	05/13/08 00:01	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	05/13/08 00:01	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	05/13/08 00:01	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/13/08 00:01	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	05/13/08 00:01	JKG	
1,1-Dichloroethene [75-35-4] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	05/13/08 00:01	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	05/13/08 00:01	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/13/08 00:01	JKG	
1,2-Dibromoethane [106-93-4] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	05/13/08 00:01	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	05/13/08 00:01	JKG	
1,2-Dichloroethane [107-06-2] ^	0.46	U	ug/L	1	0.46	1.0	1	EPA 8260B	05/13/08 00:01	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/13/08 00:01	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/13/08 00:01	JKG	
2-Butanone [78-93-3] ^	0.44	U	ug/L	1	0.44	5.0	100	EPA 8260B	05/13/08 00:01	JKG	
2-Hexanone [591-78-6] ^	0.60	U	ug/L	1	0.60	5.0	50	EPA 8260B	05/13/08 00:01	JKG	
4-Methyl-2-pentanone [108-10-1] ^	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	05/13/08 00:01	JKG	
Acetone [67-64-1] ^	0.62	U	ug/L	1	0.62	5.0	100	EPA 8260B	05/13/08 00:01	JKG	
Acrylonitrile [107-13-1] ^	1.0	U	ug/L	1	1.0	5.0	200	EPA 8260B	05/13/08 00:01	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/13/08 00:01	JKG	
Bromochloromethane [74-97-5] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	05/13/08 00:01	JKG	
Bromodichloromethane [75-27-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/13/08 00:01	JKG	
Bromoform [75-25-2] ^	0.29	U	ug/L	1	0.29	1.0	3	EPA 8260B	05/13/08 00:01	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	05/13/08 00:01	JKG	
Carbon disulfide [75-15-0] ^	0.40	U	ug/L	1	0.40	5.0	100	EPA 8260B	05/13/08 00:01	JKG	
Carbon tetrachloride [56-23-5] ^	0.35	U	ug/L	1	0.35	1.0	1	EPA 8260B	05/13/08 00:01	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	05/13/08 00:01	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	05/13/08 00:01	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	05/13/08 00:01	JKG	
Chloromethane [74-87-3] ^	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	05/13/08 00:01	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.30	U	ug/L	1	0.30	1.0	5	EPA 8260B	05/13/08 00:01	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	05/13/08 00:01	JKG	
Dibromochloromethane [124-48-1] ^	0.28	U	ug/L	1	0.28	1.0	3	EPA 8260B	05/13/08 00:01	JKG	
Dibromomethane [74-95-3] ^	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	05/13/08 00:01	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/13/08 00:01	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	2.0	10	EPA 8260B	05/13/08 00:01	JKG	
Methylene chloride [75-09-2] ^	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	05/13/08 00:01	JKG	
Styrene [100-42-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/13/08 00:01	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	05/13/08 00:01	JKG	
Toluene [108-88-3] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	05/13/08 00:01	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.25	U	ug/L	1	0.25	1.0	5	EPA 8260B	05/13/08 00:01	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	05/13/08 00:01	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.44	U	ug/L	1	0.44	1.0	100	EPA 8260B	05/13/08 00:01	JKG	
Trichloroethene [79-01-6] ^	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	05/13/08 00:01	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	05/13/08 00:01	JKG	
Vinyl acetate [108-05-4] ^	0.40	U	ug/L	1	0.40	2.0	50	EPA 8260B	05/13/08 00:01	JKG	

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Description: 4103 SW-5
Matrix: Surface Water
Project: White Street Landfill AppI Monitoring Wells

Lab Sample ID: C804272-16
Sampled: 05/05/08 12:05
Sampled By: Gary Simcox

Received: 05/06/08 08:30
Work Order: C804272

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] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	05/13/08 00:01	JKG	
Xylenes (Total) [1330-20-7]	0.67	U	ug/L	1	0.67	1.0	5	EPA 8260B	05/13/08 00:01	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*39*	*1*	*50.0*	*78 %*	*69-120*	*8E10004*	*EPA 8260B*	*05/13/08 00:01*	*JKG*	
Dibromofluoromethane	*51*	*1*	*50.0*	*102 %*	*61-120*	*8E10004*	*EPA 8260B*	*05/13/08 00:01*	*JKG*	
Toluene-d8	*47*	*1*	*50.0*	*94 %*	*75-99*	*8E10004*	*EPA 8260B*	*05/13/08 00:01*	*JKG*	

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

Lab Sample ID: C804272-16
Sampled: 05/05/08 12:05
Sampled By: Gary Simcox

Received: 05/06/08 08:30
Work Order: C804272

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	05/12/08 11:21	JDH	
Arsenic [7440-38-2] ^	**2.2**	J	ug/L	1	2.0	10.0	10	EPA 6010B	05/19/08 17:22	VLO	
Barium [7440-39-3] ^	**65.5**	JB	ug/L	1	0.20	10.0	100	EPA 6010B	05/19/08 17:22	VLO	
Beryllium [7440-41-7] ^	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	05/19/08 17:22	VLO	
Cadmium [7440-43-9] ^	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	05/19/08 17:22	VLO	
Chromium [7440-47-3] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	05/19/08 17:22	VLO	
Cobalt [7440-48-4] ^	**3.8**	J	ug/L	1	2.0	10.0	10	EPA 6010B	05/19/08 17:22	VLO	
Copper [7440-50-8] ^	**3.70**	J	ug/L	1	0.60	10.0	10	EPA 6010B	05/19/08 17:22	VLO	
Lead [7439-92-1] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	05/19/08 17:22	VLO	
Nickel [7440-02-0] ^	**6.7**	J	ug/L	1	2.0	10.0	50	EPA 6010B	05/19/08 17:22	VLO	
Selenium [7782-49-2] ^	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	05/19/08 17:22	VLO	
Silver [7440-22-4] ^	**2.4**	J	ug/L	1	2.0	10.0	10	EPA 6010B	05/19/08 17:22	VLO	
Thallium [7440-28-0] ^	0.036	U	ug/L	1	0.036	1.00	5.5	EPA 6020	05/12/08 11:21	JDH	
Vanadium [7440-62-2] ^	**2.4**	J	ug/L	1	1.0	10.0	25	EPA 6010B	05/19/08 17:22	VLO	
Zinc [7440-66-6] ^	**20.4**		ug/L	1	1.0	10.0	10	EPA 6010B	05/19/08 17:22	VLO	

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

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. on behalf of the City of Greensboro

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

Name: Connel 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	White Street, Greensboro, NC	41-03		April 30 - May 5, 2008

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, L.G. Environmental Department Manager 336-288-7180

Facility Representative Name (Print) Title (Area Code) Telephone Number

Edmund Q.B. Henriques

Signature Date

Affix NC Licensed/ Professional Geologist/Engineer Seal here:

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

Revised 01/2007