WHITE STREET LANDFILL

Greensboro, North Caroline
Phase III Appendix I Detection Monitoring
October 2006 Sampling
S&ME Project No.1584-98-081

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December 18, 2006
Updated February 9, 2007

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1.0 EXECUTIVE SUMMARY

Twelve monitoring wells and three stream locations at the lined Subtitle D White Street Landfill were sampled on October 16, 18, and 19, 2006. Ten wells (MW-17, MW-18, MW-19, MW-20, MW-21, MW-22, MW-23, MW-24, MW-25, and MW-25d) comprise the groundwater monitoring system for the lined Subtitle D solid waste disposal area of the landfill, also known as Phase III. Monitoring wells MW-15 and MW-16 serve as background wells for Phase III. The sampling was conducted according to North Carolina Solid Waste Management Guidelines. The collected samples were submitted to a North Carolina certified laboratory. The samples collected from the Phase III area wells were submitted for analysis using the federal Appendix I list of volatile organic and inorganic constituents for detection monitoring. Samples from surface water locations SW-1, SW-2, and SW-3 were analyzed for federal Appendix I detection monitoring constituents.

Analytical results from the 12 Phase III monitoring wells detected no Appendix I volatile organic constituents on the dates the samples were collected. The Appendix I metal cobalt was detected solely at compliance well MW-18. No NCAC 2L groundwater quality standards currently exists for cobalt. No other Appendix I metals were detected in any of the remaining Phase III monitoring wells sampled, on the dates the samples were collected.

Statistical analysis of the Appendix I data set resulted in a statistically significant increase in monitoring well MW-18 as a result of the cobalt detection. There were no other compliance wells showing a statistically significant increase above the statistically computed Upper Limits.

Cobalt was first detected in monitoring well MW-18 during the October 16, 2003 groundwater monitoring event. Since the first occurrence of this metal in MW-18, the reported concentrations of cobalt in MW-18 have steadily declined, including two monitoring events during which cobalt was reported below detectable limits in MW-18. Since the current reported concentration resulted in a statistically significant increase, a verification sampling event was in order. To complete the verification sampling event, on January 9, 2007 personnel from S&ME re-sampled monitoring well MW-18 and the collected sample was re-analyzed for cobalt. Sample collection and analysis followed the original sampling and analytical protocols discussed in **Section 4.1** of this report.

The results of the verification sampling event indicate that cobalt is present in monitoring well MW-18. The reported concentration of cobalt from the verification sampling event remained above the North Carolina Reporting Detection Limit (NC RDL) and suggests that a statistically significant increase for cobalt has occurred.

Results from the three surface water samples collected on or near the White Street facility did not detect any Appendix I organic or inorganic constituents with the exception of zinc in SW-3. Zinc, with a reported concentration of 60.9 μg/L in SW-3, exceeds the 15A NCAC 2B Standard for surface water established at 50 μg/L.

2.0 INTRODUCTION

White Street Landfill Phase III is a Solid Waste Management Facility (SWMF) located at the north end of White Street in northeastern Greensboro. The City of Greensboro operates this lined Subtitle D landfill under Solid Waste Permit #41-12. **Figure 1** is a map showing the monitor well locations. S&ME, Inc. (S&ME) was contracted by the City of Greensboro to conduct this bi-annual water quality monitoring event. Two upgradient and 10 downgradient monitoring wells are located along the perimeter of the Phase III disposal area. Three surface water samples were collected in accordance with the approved site Sampling and Analysis Plan.

The Phase III monitoring well samples were analyzed for the full RCRA Subtitle D Appendix I parameters. The surface water samples were also analyzed for the Appendix I list of constituents. This report discusses the field procedures, summarizes the field measurements and analytical results, and presents the statistical evaluation results for the October 2006 water quality monitoring event.

3.0 SCOPE OF WORK

S&ME completed the following tasks as part of this monitoring event:

- Sampled the 12 monitoring wells and three 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.
- Collected depth to water measurements during well purging to monitor drawdown.
- Had the samples analyzed for Appendix I constituents by a North Carolina certified laboratory using State approved methods.
- Determined groundwater flow rates and directions at the Phase III area monitoring well locations.
- Collected a sample of landfill leachate from the wet well for laboratory analyses.
- Performed a verification sampling event to verify the presence of cobalt in monitoring well MW-18.
- Prepared and submitted reports to the City of Greensboro and the State of North Carolina.

4.0 METHODS EMPLOYED

4.1 Monitoring Well Sampling

Groundwater monitoring well sampling took place on October 16, 18 and 19, 2006. 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. Since dedicated MicroPurge pumps were previously installed, monitoring well construction details reported in the "Baseline Groundwater Monitoring Report, Phase III" prepared by G.N. Richardson and Associates, dated May 1998, were used to determine the volume of water in the monitoring wells. The groundwater elevation data are summarized in **Table 1**.

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 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.

For the Phase III sampling event, the measured drawdown in the sampled wells is generally less than 3 feet with the exception of monitoring wells MW-23 (3.70 feet). During sample collection, the turbidity for MW-23 was measured as 1.37 nephthlometric units (NTU), 1.22 NTU, and 1.09 NTU, respectively. The turbidity data does not suggest that the drawdown overly agitated the sample water at MW-23. The field data sheets are included in **Appendix A**. **Table 2** summarizes the results of the field data.

Groundwater samples were collected from the dedicated Teflon tubing at each of the pumped wells. Immediately upon collection, each sample was placed into laboratory supplied containers, packed on ice, and placed under chain-of-custody. The sampling technician wore latex gloves, which were changed between wells to reduce the possibility of cross contamination. All samples collected from Phase III monitoring wells were analyzed for Appendix I volatile organic and inorganic constituents. Analyses were conducted by Environmental Conservation Laboratories, a North Carolina certified laboratory.

4.2 Statistical Analysis of Data

4.2.1 Software

All data were analyzed using *ChemStat 2.0* software package. The *ChemPoint 4.2* database management system was used to input and create the Data files based on the recent and historic laboratory data. The *ChemPoint* database is then converted to an ASCII tab delimited file for use by the *ChemStat* software. The following procedures were used to carry out temporal and spatial analyses of the data for each constituent.

4.2.2 Statistical Methods-Groundwater Analyses

In accordance with the DEHNR-Solid Waste Management Rules 15A NCAC 13B, Section 1632 (dated 1/7/97), several rounds of samples were collected from groundwater monitoring wells that comprise the Subtitle D monitoring well system and the analytical results were used to create a statistical baseline for statistically significant increases in constituent concentrations. This sampling round (October 2006) will be incorporated into the baseline for the next round of sampling.

The following procedure is used to analyze each new data set:

A descriptive statistics program is run to provide the following information about the data.

- mean
- standard deviation
- variance
- percentage non-detects

- Time versus concentration graphs were prepared for each detected parameter and used to evaluate data trends and to identify potential data outliers.

- The detected parameter data sets were analyzed using non-parametric Upper Tolerance Limits (Inter-Well Comparisons) due to the large number of non-detects and the lack of normality. These methods have been proven to be reliable for large databases with a high portion of non-detect results.

4.3 Stream Sampling

Surface water sampling took place on October 19, 2006. Three stream samples (SW-1, SW-2, and SW-3) were collected in accordance with the approved site Sampling and Analysis Plan. The stream sample locations are indicated on **Figure 2**. The surface water samples were collected by immersing laboratory-supplied containers in the water to be sampled. After collection, the surface water samples were packed on ice and placed under chain-of-custody. All stream samples were analyzed for Appendix I inorganic and volatile organic constituents by Environmental Conservation Laboratories; a North Carolina certified laboratory.

5.0 RESULTS

5.1 Groundwater Analytical Results

The results of the laboratory analyses for Appendix I constituents in the Phase III area groundwater monitoring wells are summarized in **Tables 3** and **4**, with the complete laboratory reports included in **Appendix B**.

The groundwater sample analyses detected no Appendix I volatile organic compounds at any of the monitoring wells locations sampled during this monitoring event (see Table 3).

The Appendix I metal cobalt was detected solely at compliance well MW-18. No NCAC 2L groundwater quality standard currently exists for cobalt. No other Appendix I metals were detected in any of the remaining Phase III monitoring wells sampled, on the dates the samples were collected.

Statistical analysis of the Appendix I data set resulted in a statistically significant increase in monitoring well MW-18 as a result of the cobalt detection. There were no other compliance wells showing a statistically significant above the statistically computed Upper Limits.

Cobalt was first detected in monitoring well MW-18 during the October 16, 2003 groundwater monitoring event. Since the first occurrence of this metal in MW-18, the reported concentrations of cobalt in MW-18 have steadily declined, including two monitoring events during which cobalt was reported below detectable limits in MW-18. Since the current reported concentration resulted in a statistically significant increase, a verification sampling event was in order. To complete the verification sampling event, on January 9, 2007 personnel from S&ME re-sampled monitoring well MW-18 and the collected sample was re-analyzed for cobalt. Sample collection and analysis followed the original sampling and analytical protocols discussed in **Section 4.1** of this report.

The results of the verification sampling event indicate that cobalt is present in monitoring well MW-18. The reported concentration of cobalt from the verification sampling event remained above the North Carolina Reporting Detection Limit (NC RDL) and suggests that a statistically significant increase for cobalt has occurred.

Table 4 summarizes the results for Appendix I metal analyses. The complete laboratory analytical results reports for the January 2007 verification sampling event is included in **Appendix G** of this report.

5.2 Statistical Results

5.2.1 Overview of Database

The "Baseline Groundwater Monitoring Report, Phase III Cell, White Street Sanitary Landfill," prepared by G.N. Richardson & Associated, dated June 1998, summarizes the baseline

monitoring data. The baseline monitoring samples were collected using the hand bailing procedures outlined in the approved Water Quality Monitoring Plan. Prior to the October 1998 monitoring event, but subsequent to the Baseline Groundwater Monitoring Report, the facility's approved Water Quality Monitoring Plan was modified to permit the use of dedicated MicroPurge pumps for monitoring well sample collection. This modification was approved by the North Carolina Department of Environment and Natural Resources (NCDENR) Solid Waste Section prior to conducting the monitoring event. Therefore, this monitoring event represents the fifteenth monitoring event using the MicroPurge pumps for sample acquisition.

For consistency, S&ME has specified that the analytical laboratory use the quantitation limits set forth in the NCDENR Solid Waste Section memo dated January 18, 1995.

In our statistical evaluation, non-detects are assigned values equal to their respective quantitation limits. This method of handling non-detects was used as part of the statistical analyses completed as part of the baseline water quality monitoring evaluations.

5.2.2 Statistical Analyses

5.2.2.1 Descriptive Statistics

The descriptive statistics program calculates the pooled mean, background mean, pooled standard deviation, background standard deviation, rank sum, rank mean, and variance for each constituent detected in each well. The percentages of all sample analyses for which the concentrations are below the quantitation limits (non-detects) are also calculated by constituent for each well. The descriptive statistic reports are included in **Appendix C**.

5.2.2.2 Time vs Concentration Graphs

This graph displays a plot of the concentration of one parameter for a single well over time. The concentration is plotted along the vertical axis and the sample dates are plotted long the horizontal axis. The graphs are used to visually examine changes in concentration over time for a parameter at a given well. The graphs can be found in **Appendix D**.

- The time vs. concentration graph for cobalt at well MW-18 indicates that the first detection of cobalt in well MW-18 occurred in October of 2003. Cobalt was also detected during the March

2004 sampling event in monitoring well MW-18 and had not been detected again from that monitoring event until the current October 2006 event. The sporadic detections of cobalt show a decrease in concentration since the initial detection in October of 2003. No meaningful data trends can be inferred from this data set.

No additional Time Series plots were necessary based upon current analytical data.

5.2.2.3 Interwell Statistical Comparisons

Non-parametric Upper Tolerance Intervals were calculated from the background data set to determine if any detected individual compliance parameter concentration represents a statistically significant increase over the historic background concentrations. This test method compares the analytical data from each compliance well during the current sampling event to Upper Limits computed from the pooled background data set. The statistical analysis resulted in compliance well MW-18 showing a statistically significant increase (SSI) for cobalt, at a 97.14% confidence interval.

Appendix I constituent cobalt was detected on the dates the samples were collected. Cobalt was detected solely in compliance well MW-18. The computations used to calculate Non-Parametric Upper Tolerance Limits are included in **Appendices E & F**.

5.2.2.4 Kruskal-Wallis Non-Parametric Rank Method

Due to a relatively high percentage of non-detects in the analyzed database, the non-parametric Kruskal-Wallis non-parametric rank method was also applied to determine if any detected individual parameter concentration represents a statistically significant increase over the historic background concentrations. This method compares each compliance well to a group of background wells. The Kruskal-Wallis test results suggest a possible statistically significant increase in the cobalt concentration in monitoring well MW-18 for the current data set. The Kruskal-Wallis test reports are also included in **Appendix C**.

5.3 Hydraulic Conductivity

In-situ hydraulic conductivity tests were performed by G.N. Richardson and Associates, Inc. (GNRA) on wells MW-16, MW-17, MW-18, MW-20, MW-21, MW-23, MW-25, during January 1998. The in-situ hydraulic conductivity tests were performed by GNRA on monitoring wells

MW-15, MW-19, MW-22, MW-24, and MW-25d during March 1998. The data from these tests yielded hydraulic conductivity values ranging from 0.090 feet/day (in MW-24) to 3.269 feet/day (in MW-18). A complete discussion of the test methods and calculations was presented in the "Baseline Groundwater Monitoring Report, Phase III" prepared by G.N. Richardson and Associates, dated May 1998. These data are summarized on **Table 5** and were used to calculate groundwater flow velocities across the site.

5.4 Groundwater Flow Direction and Rate

The static water levels in the Phase III monitoring wells were measured in October 2006. The depth to the water table ranged from 2.68 feet to 25.83 feet below the top of well casing on these dates. Groundwater and well casing elevation data are presented in Table 1 and summarized on Figure 1. A groundwater contour map was constructed using the data collected in October 2006 and is presented as Figure 1. Based on our field data, groundwater appears to be flowing north-northwest beneath the west half of Phase III and generally to the north-northeast in the eastern half of Phase III. The groundwater gradient at each well was calculated assuming a constant groundwater gradient along the flow line between adjacent groundwater elevation contours or between the well and the nearest contour.

Based on a variation of Darcy's Law, the rate of groundwater movement within the regolith aquifer was calculated at each monitoring well using the following equation:

$$V = \frac{Ki}{n}$$

Where

V = velocity (ft/day)
K = hydraulic conductivity (ft/ft)
i = groundwater gradient (ft/ft)
n =effective porosity (dimensionless)

Calculated hydraulic conductivity and gradient values and estimated effective porosity values for each well were used in the velocity calculations. The 20 percent effective porosity value is based on porosity and specific yield versus grain size distribution relationships presented in Fetter (1988), and is typical of the types of soils (predominantly silts and sandy silts with some clays) comprising the regolith at the landfill. The calculated groundwater velocities ranged from 0.007 to 0.528 ft/day and are summarized in Table 5.

5.5 Surface Water

The results of the laboratory analyses for Appendix I constituents in the surface water samples are summarized in **Tables 6** and **7**. The complete laboratory reports are included in Appendix B.

No Appendix I volatile organic or inorganic compounds were detected at any of the surface water sample locations on the dates sampled with the exception of zinc in surface water sample SW-3.The reported concentration of 60.9 μg/L of zinc in sample SW-3 exceeds the 15A NCAC 2B Standard of 50 μg/L for zinc.

It is important to note that SW-3 is upgradient of the White Street Landfill Facility and is, therefore, unlikely to be influenced by runoff and/or impacted groundwater from the Facility. SW-3 is, however, downgradient of the City of Greensboro's North Buffalo Treatment Plant. Therefore, the zinc reported in the surface water sample collected from SW-3 could be from the treatment plant, or another upstream source.

5.6 Leachate Sample Analytical Results

On October 20, 2006, a sample of leachate was collected from the wet well in Phase III. The collected sample was submitted for laboratory analyses for Appendix I Volatile Organic Compounds, Appendix I Metals, Nitrate, Sulfur, Sulfate, Phosphate, Biological Oxygen Demand, and Chemical Oxygen Demand. **Table 8** provides a summary of the associated analytical results. The leachate analytical data is being collected to establish a database of common leachate constituents. The leachate analyses data from this event will be compared with subsequent events.

5.7 Quality Assurance

A duplicate sample was collected from monitoring well MW-25d and submitted for analysis as "Duplicate III". This sample was analyzed for Appendix I inorganics and volatile organics. There were no volatile organic constituents or inorganic constituents detected in either MW-25d or "Duplicate III", suggesting a good correlation between the sample analytical results. Trip blank samples accompanied the sample bottles from the time they left the laboratory until they returned. These 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 duplicate, trip blank, and laboratory QC sample analyses are included in Appendix B.

A field blank was also collected from MW-18 during the verification sampling event to insure quality control during the re-sampling event. The results of the field blank sample analysis from the verification sampling event are included in Appendix G.

6.0 REFERENCES

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

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

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

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

TABLES

Table 1

Groundwater Elevation Data Summary (10/06)
Phase III - 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 27, 2006		October 16, 2006	
			DTGW (feet)	Elevation (feet)	DTGW (feet)	Elevation (feet)
MW-15	794.81	60.0	23.87	770.94	25.83	768.98
MW-16	758.02	28.5	21.40	736.62	22.11	735.91
MW-17	755.05	31.5	11.23	743.82	11.57	743.48
MW-18	742.70	17.5	8.38	734.32	10.56	732.14
MW-19	740.70	35.0	16.67	724.03	16.66	724.04
MW-20	748.87	25.0	15.29	733.58	15.29	733.58
MW-21	743.32	18.5	6.09	737.23	6.69	736.63
MW-22	744.43	30.0	10.23	734.2	9.92	734.51
MW-23	744.25	33.5	13.41	730.84	12.88	731.37
MW-24	752.52	12.0	2.66	749.86	2.68	749.84
MW-25	746.47	17.0	13.82	732.65	12.68	733.79
MW-25b	746.19	32.0	12.68	733.51	11.66	734.53

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

Table 2
Groundwater & Surface Water Field Data Summary (10/06)
Phase III - White Street Landfill
White Street Landfill
S&ME Project No. 1584-98-081

Location:	MW-15								
Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1545	16-Oct-06	15.4	59.7	7.04	0.465	-155	0.82	5.18	25.83
1550	16-Oct-06	15.3	59.6	7.07	0.465	-160	0.70	4.41	
1555	16-Oct-06	15.1	59.1	7.08	0.467	-169	0.30	3.04	
1600	16-Oct-06	15.0	58.9	7.11	0.467	-172	0.24	2.73	
1605	16-Oct-06	14.8	58.7	7.12	0.469	-169	0.31	2.39	
1610	16-Oct-06	14.8	58.7	7.13	0.469	-169	0.29	2.26	

Location:	MW-16								
Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1440	16-Oct-06	16.1	61.0	5.81	0	-160	1.36	18	22.11
1445	16-Oct-06	16.2	61.1	5.77	0.402	-163	1.11	6	
1450	16-Oct-06	16.1	61.1	5.72	0.390	-161	0.83	4	
1455	16-Oct-06	16.2	61.1	5.71	0.371	-162	0.68	3.3	
1500	16-Oct-06	16.2	61.1	5.71	0.368	-164	0.60	3.3	
1505	16-Oct-06	16.0	60.7	5.74	0.369	-173	0.52	3.6	
1510	16-Oct-06	16.0	60.8	5.76	0.372	-184	0.47	4.1	
1515	16-Oct-06	16.0	60.8	5.76	0.372	-183	0.53	4.1	

Location:	MW-17								
Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
0820	18-Oct-06	17.2	62.9	5.70	2.920	-78	2.89	9.68	11.57
0825	18-Oct-06	17.2	63.0	5.68	0.196	-87	2.45	6.8	
0830	18-Oct-06	17.3	63.1	5.68	0.196	-100	1.91	5.6	
0835	18-Oct-06	17.3	63.1	5.66	0.194	-105	1.61	4.5	
0840	18-Oct-06	17.0	62.6	5.61	0.192	-105	1.29	5.1	
0845	18-Oct-06	17.0	62.6	5.59	0.190	-109	1.30	3.7	
0850	18-Oct-06	17.1	62.7	5.57	0.189	-99	1.61	4.1	
0855	18-Oct-06	17.2	62.9	5.61	0.190	-99	1.63	4.5	
0900	18-Oct-06	17.2	63.0	5.61	0.190	-98	1.69	4.4	
Location:	MW-18								
Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1645	16-Oct-06	17.1	62.7	5.65	0.181	-125	2.02	841	10.56
1650	16-Oct-06	17.1	62.7	5.68	0.184	-139	1.36	588	
1655	16-Oct-06	17.0	62.6	5.70	0.187	-144	0.95	905	
1700	16-Oct-06	17.0	62.5	5.77	0.186	-135	1.31	788	
1705	16-Oct-06	16.9	62.4	5.76	0.187	-135	1.33	653	
1710	16-Oct-06	16.9	62.4	5.82	0.187	-124	1.81	651	
1715	16-Oct-06	16.8	62.2	5.80	0.187	-121	1.83	421	
1720	16-Oct-06	16.8	62.2	5.80	0.188	-113	1.90	310	
1725	16-Oct-06	16.9	62.3	5.78	0.189	-103	2.31	294	
1730	16-Oct-06	16.8	62.2	5.79	0.189	-100	2.38	224	
1735	16-Oct-06	16.7	62.1	5.80	0.189	-99	2.32	228	
1740	16-Oct-06	16.7	62.1	5.79	0.189	-97	2.30	258	

Location:	MW-19								
Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1750	18-Oct-06	18.3	65.0	5.81	0.191	-115	2.26	5.6	16.66
1755	18-Oct-06	18.8	65.8	5.81	0.193	-124	1.75	4.4	
1800	18-Oct-06	18.9	66.0	5.80	0.194	-128	1.46	4.9	
1755	18-Oct-06	18.9	66.0	5.80	0.196	-131	1.35	4.7	
1800	18-Oct-06	19.0	66.3	5.74	0.196	-134	1.19	4.4	
1305	18-Oct-06	19.3	66.8	5.81	0.197	-135	1.16	3.9	
1810	18-Oct-06	19.3	66.7	5.78	0.199	-138	1.14	4.2	

Location:	MW-20								
Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1730	18-Oct-06	14.2	57.6	6.13	0.716	-14	1.34	1.74	15.29
1735	18-Oct-06	19.9	67.9	6.10	0.728	-43	0.91	1.1	
1740	18-Oct-06	18.4	65.1	6.10	0.740	-64	0.55	1.5	
1745	18-Oct-06	18.1	64.6	6.08	0.696	-72	0.43	0.7	
1750	18-Oct-06	18.1	64.6	6.07	0.692	-75	0.35	1.1	
1755	18-Oct-06	18.1	64.5	6.07	0.683	-79	0.30	0.9	
1800	18-Oct-06	18.0	64.4	6.07	0.680	-78	0.30	1	

Table 2
Groundwater & Surface Water Field Data Summary (04/06)
Phase III - White Street Landfill
White Street Landfill
S&ME Project No. 1584-98-081

Location:	MW-21								
Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1605	18-Oct-06	21.7	71.1	5.71	0.149	-63	2.80	4.30	6.69
1610	18-Oct-06	21.8	71.2	5.67	0.145	-32	2.10	2.60	
1615	18-Oct-06	21.9	71.3	5.65	0.146	-14	1.51	3.40	
1620	18-Oct-06	21.6	70.9	5.63	0.146	-6	1.44	2.70	
1625	18-Oct-06	21.7	71.1	5.63	0.145	-4	1.11	3.20	
1630	18-Oct-06	21.8	71.2	5.64	0.145	-4	1.38	2.40	
1635	18-Oct-06	21.4	70.5	5.63	0.145	-5	1.00	2.20	
1640	18-Oct-06	21.1	69.9	5.62	0.144	4	1.03	1.80	
1645	18-Oct-06	21.3	70.3	5.62	0.144	10	1.04	2.20	
1650	18-Oct-06	21.3	70.3	5.64	0.144	33	1.24	1.70	
1655	18-Oct-06	21.1	70.0	5.64	0.144	40	1.22	1.60	
1700	18-Oct-06	21.1	70.0	5.64	0.144	42	1.23	1.60	
1705	18-Oct-06	21.3	70.3	5.62	0.143	46	1.43	1.60	

Location:	MW-22								
Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1510	18-Oct-06	22.2	72.0	6.53	0.495	-169	2.23	13.5	9.92
1515	18-Oct-06	20.3	68.6	6.63	0.398	-187	0.99	7.7	
1520	18-Oct-06	20.2	68.4	6.63	0.395	-187	0.73	8.6	
1525	18-Oct-06	20.3	68.5	6.61	0.387	-187	0.55	5.5	
1530	18-Oct-06	20.2	68.4	6.52	0.371	-183	0.47	14.2	
1535	18-Oct-06	20.1	68.1	6.42	0.349	-179	0.43	12	
1540	18-Oct-06	19.8	67.7	6.38	0.339	-175	0.41	12.1	
1545	18-Oct-06	19.9	67.9	6.32	0.328	-173	0.44	11.8	
Location:	MW-23								
Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1350	18-Oct-06	20.5	68.9	7.14	0.595	-222	1.97	2.31	12.88
1355	18-Oct-06	20.1	68.3	7.16	0.588	-221	1.27	1.68	
1400	18-Oct-06	20.1	68.1	7.20	0.579	-216	0.92	1.37	
1405	18-Oct-06	20.2	68.4	7.26	0.572	-212	0.66	1.22	
1410	18-Oct-06	20.3	68.6	7.27	0.572	-210	0.61	1.09	

Location:	MW-24								
Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1430	18-Oct-06	22.5	72.5	6.55	0.980	-175	1.98	11.34	2.68
1435	18-Oct-06	21.7	71.0	6.54	1.000	-175	1.50	9.18	
1440	18-Oct-06	21.1	69.9	6.53	1.002	-177	1.18	8	
1445	18-Oct-06	20.5	68.8	6.54	1.004	-179	0.88	8.8	
1450	18-Oct-06	20.1	68.1	6.54	1.004	-182	0.81	7.6	

Location:	MW-25								
Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
0925	18-Oct-06	18.3	64.9	5.88	0.161	-87	4.38	17.25	12.68
0930	18-Oct-06	18.3	64.9	5.95	0.153	-89	4.37	4.64	
0935	18-Oct-06	18.4	65.0	5.98	0.150	-89	4.59	2.28	
0940	18-Oct-06	18.6	65.4	5.98	0.151	-85	4.60	2.01	

Location:	MW-25B								
Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
0950	18-Oct-06	18.2	64.7	6.04	0.129	-84	5.29	3.3	11.66
0955	18-Oct-06	17.9	64.2	6.05	0.125	-94	4.49	3.1	
1000	18-Oct-06	18.3	65.0	6.05	0.125	-95	4.15	1.9	
1005	18-Oct-06	18.6	65.6	6.01	0.125	-95	3.94	1.7	
1010	18-Oct-06	17.8	64.0	6.01	0.125	-98	3.92	1.9	

Table 3

Groundwater Analytical Results Summary (10/06)
Appendix I - Volatile Organic Compounds
Phase III - White Street Landfill
Greensboro, North Carolina
S&ME Project No. 1584-98-081

Compound	Sample Locations													NC RDL	NCAC 2L
	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-25B	DUP#3	(µg/l)	stds.
Chloromethane	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	10	2.6
Vinyl Chloride	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	10	0.015
Bromomethane	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	10	ns
Chloroethane	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	10	2800
Trichlorofluoromethane	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	5	2100
1,1-Dichloroethene	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	5	7
Acetone	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	100	700
Iodemethane	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	10	ns
Carbon Disulfide	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	100	700
Methylene Chloride	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	10	5
Acrylonitrile	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	200	ns
trans-1,2-Dichloroethene	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	5	70
1.1-Dichloroethane	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	5	700
Vinyl Acetate	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	50	ns
cis 1,2-dichloroethene	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	5	70
2-Butanone	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	100	170
Bromochloromethane	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	5	ns
Chloroform	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	5	0.19
1,1,1-Trichloroethane	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	5	200
Carbon Tetrachloride	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	10	0.3
Benzene	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	5	1
1,2-Dichloroethane	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	5	0.38
Trichloroethene	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	5	2.8
1,2-Dichloropropane	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	5	0.56
Dibromomethane	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	10	ns

All results reported in micrograms per liter (ug/L)

NC RDL= North Carolina Reporting Detection Limit

BRDL = Compound not detected above the North Carolina Reporting Detection Limit

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

Quantities highlighted in yellow were detected above the PQL

Quantities highlighted in orange were detected above the 2L standards

Table 3

Groundwater Analytical Results Summary (10/06)
Appendix I - Volatile Organic Compounds
Phase III - White Street Landfill
Greensboro, North Carolina
S&ME Project No. 1584-98-081

Compound	Sample Locations													NC RDL	NCAC 2L
	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-25B	DUP#3		stds.
Bromodichloromethane	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	5	0.6
cis 1,3-dichloropropene	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	10	0.2
4-Methyl-2-Pentanone	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	100	ns
Toluene	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	5	1000
trans 1,3-dichloropropene	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	10	0.2
1,1,2-Trichloroethane	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	5	ns
Tetrachloroethene	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	5	0.7
2-Hexanone	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	50	ns
Dibromochloromethane	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	5	ns
1,2-Dibromoethane	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	5	0.0004
Chlorobenzene	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	5	50
1,1,1,2-Tetrachloroethane	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	5	ns
Ethylbenzene	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	5	29
m & p, Xylenes	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	5	530
o-Xylenes	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	5	530
Styrene	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	10	100
Bromoform	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	5	0.19
1,1,2,2-Tetrachloroethane	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	5	ns
1,2,3-Trichloropropane	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	15	0.005
trans 1,4-Dichloro-2-Butene	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	100	ns
1,4-Dichlorobenzene	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	5	75
1,2-Dichlorobenzene	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	5	620
1,2-Dibromo-3-Chloropropane	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	25	0.025

All results reported in micrograms per liter (ug/L)

NC RDL= North Carolina Reporting Detection Limit

BRDL = Compound not detected above the North Carolina Reporting Detection Limit

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

Quantities highlighted in yellow were detected above the PQL

Quantities highlighted in orange were detected above the 2L standards

Table 4

Groundwater Analytical Results Summary (10/06)
Appendix I - Metals
Phase III - White Street Landfill
Greensboro, North Carolina
S&ME Project No. 1584-98-081

Compound	Sample Locations													NC RDL (µg/l)	NCAC 2L stds.	Verification Event
	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25	MW-25B	DUP#3			
Antimony	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	30	ns	---
Arsenic	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	10	5	---
Barium	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	500	2000	---
Beryllium	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	2	ns	---
Cadmium	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	1	5	---
Chromium	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	10	50	---
Cobalt	BRDL	BRDL	BRDL	10.7	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	10	ns	11.1
Copper	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	200	1000	---
Lead	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	10	15	---
Nickel	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	50	100	---
Selenium	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	20	50	---
Silver	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	10	18	---
Thallium	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	10	ns	---
Vanadium	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	40	ns	---
Zinc	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	BRDL	50	2100	---

All results reported in micrograms per liter (ug/L)

NC RDL= North Carolina Reporting Detection Limit

BRDL = Compound not detected above the North Carolina Reporting Detection Limit

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

Quantities highlighted in yellow were detected above the PQL

Quantities highlighted in orange were detected above the 2L standards

Table 5
Groundwater Velocity Data (10/06)
Phase III - White Street Landfill
Greensboro, North Carolina
S&ME Project No. 1584-98-081

Well No.	Hydraulic Conductivity (K = feet/day)	Porosity (n = %)	Gradient (I = feet/feet)	Groundwater Velocity (V= feet/day)
MW-15	0.265	0.20	0.021	0.028
MW-16	0.331	0.20	0.022	0.037
MW-17	0.160	0.20	0.063	0.051
MW-18	3.269	0.20	0.015	0.241
MW-19	0.716	0.20	0.050	0.178
MW-20	1.336	0.20	0.017	0.113
MW-21	0.681	0.20	0.019	0.064
MW-22	0.325	0.20	0.019	0.031
MW-23	0.173	0.20	0.048	0.041
MW-24	0.090	0.20	0.016	0.007
MW-25	2.088	0.20	0.051	0.528
MW-25d	0.827	0.20	NA	NA

Notes: Hydraulic Conductivity's from slug test data: G.N. Richardson & Associates
Porosity values from published literature, based on soil types
Velocity calculated using V = KI/n
NA = Not Applicable, deeper aquifer monitoring well

Table 6

Surface Water Analytical Results Summary (10/06)
Appendix I - Volatile Organic Compounds
Phase III - White Street Landfill
Greensboro, North Carolina
S&ME Project No. 1584-98-081

Compound	Sample Locations			NC RDL	15A NCAC 2B
	SW-1	SW-2	SW-3	(ug/L)	Standards*
Chloromethane	BRDL	BRDL	BRDL	10	ns
Vinyl Chloride	BRDL	BRDL	BRDL	10	ns
Bromomethane	BRDL	BRDL	BRDL	10	ns
Chloroethane	BRDL	BRDL	BRDL	10	ns
Trichlorofluoromethane	BRDL	BRDL	BRDL	5	ns
1,1-Dichloroethene	BRDL	BRDL	BRDL	5	ns
Acetone	BRDL	BRDL	BRDL	100	ns
Iodomethane	BRDL	BRDL	BRDL	10	ns
Carbon Disulfide	BRDL	BRDL	BRDL	100	ns
Methylene Chloride	BRDL	BRDL	BRDL	10	ns
Acrylonitrile	BRDL	BRDL	BRDL	200	ns
trans-1,2-Dichloroethene	BRDL	BRDL	BRDL	5	ns
1.1-Dichloroethane	BRDL	BRDL	BRDL	5	ns
Vinyl Acetate	BRDL	BRDL	BRDL	50	ns
cis 1,2-dichloroethene	BRDL	BRDL	BRDL	5	ns
2-Butanone	BRDL	BRDL	BRDL	100	ns
Bromochloromethane	BRDL	BRDL	BRDL	5	ns
Chloroform	BRDL	BRDL	BRDL	5	ns
1,1,1-Trichloroethane	BRDL	BRDL	BRDL	5	ns
Carbon Tetrachloride	BRDL	BRDL	BRDL	10	ns
Benzene	BRDL	BRDL	BRDL	5	ns
1,2-Dichloroethane	BRDL	BRDL	BRDL	5	ns
Trichloroethene	BRDL	BRDL	BRDL	5	ns
1,2-Dichloropropane	BRDL	BRDL	BRDL	5	ns
Dibromomethane	BRDL	BRDL	BRDL	10	ns

All results reported in micrograms per liter ug/L
NC RDL= North Carolina Reporting Detection Limit
BRDL = Compound not detected above the North Carolina Reporting Detection Limit
**** = Title 15A NCAC 2B Standards for Class B, C surface water***
ns = Title 15A NCAC 2B provides no established standard for these constituents
Quantities highlighted in yellow were detected above the PQL
Quantities highlighted in orange were detected above the 2B standards

Table 6

Surface Water Analytical Results Summary (10/06)
Appendix I - Volatile Organic Compounds
Phase III - White Street Landfill
Greensboro, North Carolina
S&ME Project No. 1584-98-081

Compound	Sample Locations			NC RDL	15A NCAC 2B
	SW-1	SW-2	SW-3		Standards*
Bromodichloromethane	BRDL	BRDL	BRDL	5	ns
cis 1,3-dichloropropene	BRDL	BRDL	BRDL	10	ns
4-Methyl-2-Pentanone	BRDL	BRDL	BRDL	100	ns
Toluene	BRDL	BRDL	BRDL	5	11
trans 1,3-dichloropropene	BRDL	BRDL	BRDL	10	ns
1,1,2-Trichloroethane	BRDL	BRDL	BRDL	5	ns
Tetrachloroethene	BRDL	BRDL	BRDL	5	ns
2-Hexanone	BRDL	BRDL	BRDL	50	ns
Dibromochloromethane	BRDL	BRDL	BRDL	5	ns
1,2-Dibromoethane	BRDL	BRDL	BRDL	5	ns
Chlorobenzene	BRDL	BRDL	BRDL	5	ns
1,1,1,2-Tetrachloroethane	BRDL	BRDL	BRDL	5	ns
Ethylbenzene	BRDL	BRDL	BRDL	5	ns
m & p, Xylenes	BRDL	BRDL	BRDL	5	ns
o-Xylenes	BRDL	BRDL	BRDL	5	ns
Styrene	BRDL	BRDL	BRDL	10	ns
Bromoform	BRDL	BRDL	BRDL	5	ns
1,1,2,2-Tetrachloroethane	BRDL	BRDL	BRDL	5	ns
1,2,3-Trichloropropane	BRDL	BRDL	BRDL	15	ns
trans 1,4-Dichloro-2-Butene	BRDL	BRDL	BRDL	100	ns
1,4-Dichlorobenzene	BRDL	BRDL	BRDL	5	ns
1,2-Dichlorobenzene	BRDL	BRDL	BRDL	5	ns
1,2-Dibromo-3-Chloropropane	BRDL	BRDL	BRDL	25	ns

All results reported in micrograms per liter ug/L
NC RDL= North Carolina Reporting Detection Limit
BRDL = Compound not detected above the North Carolina Reporting Detection Limit
**** = Title 15A NCAC 2B Standards for Class B, C surface water***
ns = Title 15A NCAC 2B provides no established standard for these constituents
Quantities highlighted in yellow were detected above the PQL
Quantities highlighted in orange were detected above the 2B standards

Table 7

Surface Water Analytical Results Summary (10/06)
Appendix I - Metals
Phase III - White Street Landfill
Greensboro, North Carolina
S&ME Project No. 1584-98-081

Compound	Sample Locations					NC RDL	15A NCAC 2B
	SW-1	SW-2	SW-3	SW-4	SW-5	(µg/l)	Standards*
Antimony	BRDL	BRDL	BRDL	BRDL	BRDL	30	ns
Arsenic	BRDL	BRDL	BRDL	BRDL	BRDL	10	50
Barium	BRDL	BRDL	BRDL	BRDL	BRDL	500	ns
Beryllium	BRDL	BRDL	BRDL	BRDL	BRDL	2	6.5
Cadmium	BRDL	BRDL	BRDL	BRDL	BRDL	1	2
Chromium	BRDL	BRDL	BRDL	BRDL	BRDL	10	50
Cobalt	BRDL	BRDL	BRDL	BRDL	BRDL	10	ns
Copper	BRDL	BRDL	BRDL	BRDL	BRDL	200	ns
Lead	BRDL	BRDL	BRDL	BRDL	BRDL	10	25
Nickel	BRDL	BRDL	BRDL	BRDL	BRDL	50	88
Selenium	BRDL	BRDL	BRDL	BRDL	BRDL	20	5
Silver	BRDL	BRDL	BRDL	BRDL	BRDL	10	0.06
Thalium	BRDL	BRDL	BRDL	BRDL	BRDL	10	ns
Vanadium	BRDL	BRDL	BRDL	BRDL	BRDL	40	ns
Zinc	BRDL	BRDL	60.9	BRDL	BRDL	50	50

All results reported in micrograms per liter ug/L
NC RDL= North Carolina Reporting Detection Limit
BRDL = Compound not detected above the North Carolina Reporting Detection Limit
**** = Title 15A NCAC 2B Standards for Class B, C surface water***
ns = Title 15A NCAC 2B provides no established standard for these constituents
Quantities highlighted in yellow were detected above the PQL
Quantities highlighted in orange were detected above the 2B standards

Table 8
Leachate Sample Analytical Results Summary
Phase III - White Street Landfill
Greensboro, North Carolina
S&ME Project No. 1584-98-081

Appendix I Volatile Organic Compounds														
Parameter	**"Leachate" September-00 (µg/L)**	**"Wet Well" March-01 (µg/L)**	**"Leachate" Septebmer-01 (µg/L)**	**"Leachate" March-02 (µg/L)**	**"Leachate" September-02 (µg/L)**	**"Leachate" April-03 (µg/L)**	**"Leachate" October-03 (µg/L)**	**"Leachate" March-04 (µg/L)**	**"Leachate" October-04 (µg/L)**	**"Leachate" May-05 (µg/L)**	**"Leachate" October-05 (µg/L)**	**"Leachate" April-06 (µg/L)**	**"Leachate" October-06 (µg/L)**	**PQLs (µg/L)**
Chloromethane	BQL*	BQL*	BQL**	BQL	BQL***	BQL*	BQL	BQL*	BQL*	BQL*	BQL*	BQL**	BQL[6]	10
Vinyl Chloride	BQL*	BQL*	BQL**	BQL	BQL***	BQL*	BQL	BQL*	BQL*	BQL*	BQL*	BQL**	BQL[6]	10
Bromomethane	BQL*	BQL*	BQL**	BQL	BQL***	BQL*	BQL	BQL*	BQL*	BQL*	BQL*	BQL**	BQL[6]	10
Chloroethane	BQL*	BQL*	BQL**	**17**	BQL***	BQL*	BQL	BQL*	BQL*	BQL*	BQL*	BQL**	BQL[6]	10
Trichlorofluoromethane	BQL*	BQL*	BQL**	**7.0**	BQL***	BQL*	BQL	BQL*	BQL*	BQL*	BQL*	BQL**	BQL[6]	5
1,1-Dichloroethene	BQL*	BQL*	BQL**	BQL	BQL***	BQL*	BQL	BQL*	BQL*	BQL*	BQL*	BQL**	BQL[6]	5
Acetone	BQL*	BQL*	**1400**	BQL	BQL***	**490****	**830****	BQL*	BQL*	BQL[5]*	BQL*	**1780****	**2800**[6]	100
Iodemethane	BQL*	BQL*	BQL**	BQL	BQL***	BQL*	BQL	BQL*	BQL*	BQL*	BQL*	BQL**	BQL[6]	10
Carbon Disulfide	BQL*	BQL*	BQL**	BQL	BQL***	BQL*	BQL	BQL*	BQL*	BQL*	BQL*	BQL**	BQL[6]	100
Methylene Chloride	**97**	**120**	BQL**	**37**	BQL***	BQL*	**13**	BQL*	BQL*	BQL*	BQL*	BQL**	BQL[6]	10
Acrylonitrile	BQL*	BQL*	BQL**	BQL	BQL***	BQL*	BQL	BQL*	BQL*	BQL*	BQL*	BQL**	BQL[6]	200
trans-1,2-Dichloroethene	BQL*	BQL*	BQL**	BQL	BQL***	BQL*	BQL	BQL*	BQL*	BQL*	BQL*	BQL**	BQL[6]	5
1,1-Dichloroethane	**46**	BQL*	BQL**	**30**	**28**	**27***	5.2	BQL*	BQL*	BQL*	BQL*	BQL**	BQL[6]	5
Vinyl Acetate	BQL*	BQL*	BQL**	BQL	BQL***	BQL**	BQL	BQL*	BQL*	BQL*	BQL*	BQL**	BQL[6]	50
cis 1,2-dichloroethene	BQL*	BQL*	BQL**	**6.4**	BQL***	BQL**	BQL	BQL*	BQL*	BQL*	BQL*	BQL**	BQL[6]	5
2-Butanone	BQL*	BQL*	**2600**	BQL	BQL***	**1100****	**1200****	BQL*	BQL*	BQL[5]*	BQL*	**1650****	**3000**[6]	100
Bromochloromethane	BQL*	BQL*	BQL**	BQL	BQL***	BQL*	BQL	BQL*	BQL*	BQL*	BQL*	BQL**	BQL[6]	5
Chloroform	BQL*	BQL*	BQL**	BQL	BQL***	BQL*	BQL	BQL*	BQL*	BQL*	BQL*	BQL**	BQL[6]	5
1,1,1-Trichloroethane	BQL*	BQL*	BQL**	**8.2**	BQL***	BQL*	BQL	BQL*	BQL*	BQL*	BQL*	BQL**	BQL[6]	5
Carbon Tetrachloride	BQL*	BQL*	BQL**	BQL	BQL***	BQL*	BQL	BQL*	BQL*	BQL*	BQL*	BQL**	BQL[6]	10
Benzene	BQL*	BQL*	BQL**	**10**	BQL***	BQL*	**8.1**	BQL*	BQL*	BQL*	BQL*	BQL**	BQL[6]	5
1,2-Dichloroethane	BQL*	BQL*	BQL**	BQL	BQL***	BQL*	BQL	BQL*	BQL*	BQL*	BQL*	BQL**	BQL[6]	5
Trichloroethene	BQL*	BQL*	BQL**	**7.5**	BQL***	BQL*	BQL	BQL*	BQL*	BQL*	BQL*	BQL**	BQL[6]	5
1,2-Dichloropropane	BQL*	BQL*	BQL**	BQL	BQL***	BQL*	BQL	BQL*	BQL*	BQL*	BQL*	BQL**	BQL[6]	5
Dibromomethane	BQL*	BQL*	BQL**	BQL	BQL***	BQL*	BQL	BQL*	BQL*	BQL*	BQL*	BQL**	BQL[6]	10
Bromodichloromethane	BQL*	BQL*	BQL**	BQL	BQL***	BQL*	BQL	BQL*	BQL*	BQL*	BQL*	BQL**	BQL[6]	5
cis 1,3-dichloropropene	BQL*	BQL*	BQL**	BQL	BQL***	BQL*	BQL	BQL*	BQL*	BQL*	BQL*	BQL**	BQL[6]	10
4-Methyl-2-Pentanone	BQL*	BQL*	BQL**	BQL	BQL***	BQL*	BQL	BQL*	BQL*	BQL*	BQL*	BQL**	BQL[6]	100
Toluene	**350**	**220**	**390**	**190***	**220*****	**220***	**240****	**400**	BQL*	**73**	**55**	**12.8****	BQL[6]	5
trans 1,3-dichloropropene	BQL*	BQL*	BQL**	BQL	BQL***	BQL*	BQL	BQL*	BQL*	BQL*	BQL*	BQL**	BQL[6]	10
1,1,2-Trichloroethane	BQL*	BQL*	BQL**	BQL	BQL***	BQL*	BQL	BQL*	BQL*	BQL*	BQL*	BQL**	BQL[6]	5
Tetrachloroethene	BQL*	BQL*	BQL**	BQL	BQL***	BQL*	BQL	BQL*	BQL*	BQL*	BQL*	BQL**	BQL[6]	5
2-Hexanone	BQL*	BQL*	BQL**	BQL	BQL***	BQL*	BQL	BQL*	BQL*	BQL*	BQL*	BQL**	BQL[6]	50
Dibromochloromethane	BQL*	BQL*	BQL**	BQL	BQL***	BQL*	BQL	BQL*	BQL*	BQL*	BQL*	BQL**	BQL[6]	5
1,2-Dibromoethane	BQL*	BQL*	BQL**	BQL	BQL***	BQL*	BQL	BQL*	BQL*	BQL*	BQL*	BQL**	BQL[6]	5
Chlorobenzene	BQL*	BQL*	BQL**	BQL	BQL***	BQL*	BQL	BQL*	BQL*	BQL*	BQL*	BQL**	BQL[6]	5
1,1,1,2-Tetrachloroethane	BQL*	BQL*	BQL**	BQL	BQL***	BQL*	BQL	BQL*	BQL*	BQL*	BQL*	BQL**	BQL[6]	5
Ethylbenzene	**49**	BQL*	BQL**	**60**	**48*****	**56***	**40**	**46**	BQL*	**31**	BQL*	**18.2****	BQL[6]	5
m & p, Xylenes	**120**	**65**	**110**	**140**	**95*****	**120***	**87**	**110**	**38***	**69**	**56**	**35****	BQL[6]	5
o-Xylenes	**34**	BQL*	BQL**	**46**	**32*****	**37***	**29**	**32**	BQL*	BQL*	BQL*	**13.8****	BQL[6]	5
Styrene	BQL*	BQL*	BQL**	BQL	BQL***	BQL*	BQL	BQL*	BQL*	BQL*	BQL*	BQL**	BQL[6]	10
Bromoform	BQL*	BQL*	BQL**	BQL	BQL***	BQL*	BQL	BQL*	BQL*	BQL*	BQL*	BQL**	BQL[6]	5
1,1,2,2-Tetrachloroethane	BQL*	BQL*	BQL**	BQL	BQL***	BQL*	BQL	BQL*	BQL*	BQL*	BQL*	BQL**	BQL[6]	5
1,2,3-Trichloropropane	BQL*	BQL*	BQL**	BQL	BQL***	BQL*	BQL	BQL*	BQL*	BQL*	BQL*	BQL**	BQL[6]	15
trans 1,4-Dichloro-2-Butene	BQL*	BQL*	BQL**	BQL	BQL***	BQL*	BQL	BQL*	BQL*	BQL*	BQL*	BQL**	BQL[6]	100
1,4-Dichlorobenzene	BQL*	BQL*	BQL**	**6.0**	BQL***	BQL*	**5.4**	BQL*	BQL*	BQL*	BQL*	BQL**	BQL[6]	5
1,2-Dichlorobenzene	BQL*	BQL*	BQL**	BQL	BQL***	BQL*	BQL	BQL*	BQL*	BQL*	BQL*	BQL**	BQL[6]	5
1,2-Dibromo-3-Chloropropane	BQL*	BQL*	BQL**	BQL	BQL***	BQL*	BQL	BQL*	BQL*	BQL*	BQL*	BQL**	BQL[6]	25

PQL = Methods Practical Quantitation Limits
BQL = Analytical results is less than the corresponding PQL
BQL* = Analyte Value Determined from a 1:5 dilution
BQL** = Analyte Value Determined from a 1:10 dilution
BQL = Analyte Value Determined from a 1:2 dilution***
BQL* = Analyte Value Determined from a 1:25 dilution***
BQL[5] = Analyte Value Determined from a 1:100 dilution
BQL[6] = Analyte Value Determined from a 1:125 dilution

Parameters highlighted in yellow exceed the PQL.

Table 8
Leachate Sample Analytical Results Summary
Phase III - White Street Landfill
Greensboro, North Carolina
S&ME Project No. 1584-98-081

Appendix I Metals														
Compound	**"Leachate" September-00 (ug/L)**	**"Wet Well" March-01 (ug/L)**	**"Leachate" September-01 (ug/L)**	**"Leachate" March-02 (ug/L)**	**"Leachate" September-02 (ug/L)**	**"Leachate" April-03 (ug/L)**	**"Leachate" October-03 (ug/L)**	**"Leachate" March-04 (µg/L)**	**"Leachate" October-04 (µg/L)**	**"Leachate" May-05 (µg/L)**	**"Leachate" October-05 (µg/L)**	**"Leachate" April-06 (µg/L)**	**"Leachate" October-06 (µg/L)**	**PQLs (ug/L)**
Antimony	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	**99**	30
Arsenic	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	**23.4**	**94.5**	10
Barium	**580**	BQL	**550**	**580**	**740**	**590**	BQL	BQL	**570**	BQL	BQL	**678**	BQL	500
Beryllium	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	2
Cadmium	**5**	**21**	**9.7**	**13**	**16**	**1.6**	**2.2**	**2.3**	BQL	BQL	BQL	BQL	BQL	1
Chromium	**10**	BQL	**13**	**23**	**27**	**15**	BQL	**16**	BQL	BQL	BQL	**14.7**	BQL	10
Cobalt	BQL	BQL	**13**	**25**	**23**	BQL	BQL	**18**	BQL	BQL	BQL	**26.6**	BQL	10
Copper	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	200
Lead	BQL	BQL	BQL	BQL	**13**	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	10
Nickel	BQL	BQL	BQL	**110**	**99**	**75**	BQL	BQL	**61**	**300**	BQL	**1189**	**228**	50
Selenium	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	**61.5**	20
Silver	BQL	BQL	BQL	**20**	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	10
Thallium	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	10
Vanadium	BQL	BQL	**58**	**45**	**89**	**41**	BQL	BQL	BQL	BQL	BQL	**54**	BQL	40
Zinc	**120**	BQL	**50**	**80**	**290**	**100**	BQL	BQL	BQL	**250**	BQL	**97.2**	**57**	50

Miscellaneous Parameters														
Compound	**"Leachate" September-00 (mg/L)**	**"Wet Well" March-01 (mg/L)**	**"Leachate" September-01 (mg/L)**	**"Leachate" March-02 (mg/L)**	**"Leachate" September-02 (mg/L)**	**"Leachate" April-03 (mg/L)**	**"Leachate" October-03 (mg/L)**	**"Leachate" March-04 (mg/L)**	**"Leachate" October-04 (mg/L)**	**"Leachate" May-05 (µg/L)**	**"Leachate" October-05 (µg/L)**	**"Leachate" April-06 (µg/L)**	**"Leachate" October-06 (µg/L)**	**PQLs (mg/L)**
Nitrate	**<0.05**	**<0.02**	**<0.02**	**400**	**<0.10**	**<0.50**	**<0.10**	**<0.20**	**<0.10**	**<0.5**	**<0.1**	**2**	**0.5**	0.02
Nitrite	**<0.01**	**<0.02**	**50**	BQL	**<0.10**	no data	no data	ND	**<0.10**	no data	no data	**2**	**0.5**	0.01
Sulfate	**<5.00**	**<5**	**2 J**	BQL	ND	**11**	**2.9**	**4.2**	**2.3**	**11.3**	**2.2**	**5**	**5**	5
Phosphorous	**5.43**	**260**	**1**	**330**	**0.83**	**2.5**	**0.28**	**0.78**	**0.93**	**4.3**	**1.2**	**3**	3.75	20
pH	ND	**6.4 S.U.**	6.5 S.U.	**6.6**	**6.4**	7Q	**6.9Q**	**6.5Q**	**6.6Q**	**7.2Q**	**6.9Q**	**7.09**	**6.82**	NA
Biological Oxygen Demand (BOD)	**22.6**	**300**	**83**	44	**19**	**59J**	**330**	**56**	**34**	**119J**	**27.7**	**200**	**1940**	NA
Chemical Oxygen Demand (COD)	**166**	**580**	**330**	**200**	**210**	**690**	**390**	**220**	**240**	**1,810**	**425**	**1340**	**3860**	NA

J = Analyte detected; value is between the Method Detection Limit (MDL) and PQL
PQL = Methods Practical Quantitation Limits
BQL = Analytical results is less than the corresponding PQL

Parameters highlighted in yellow exceed the PQL.

FIGURES

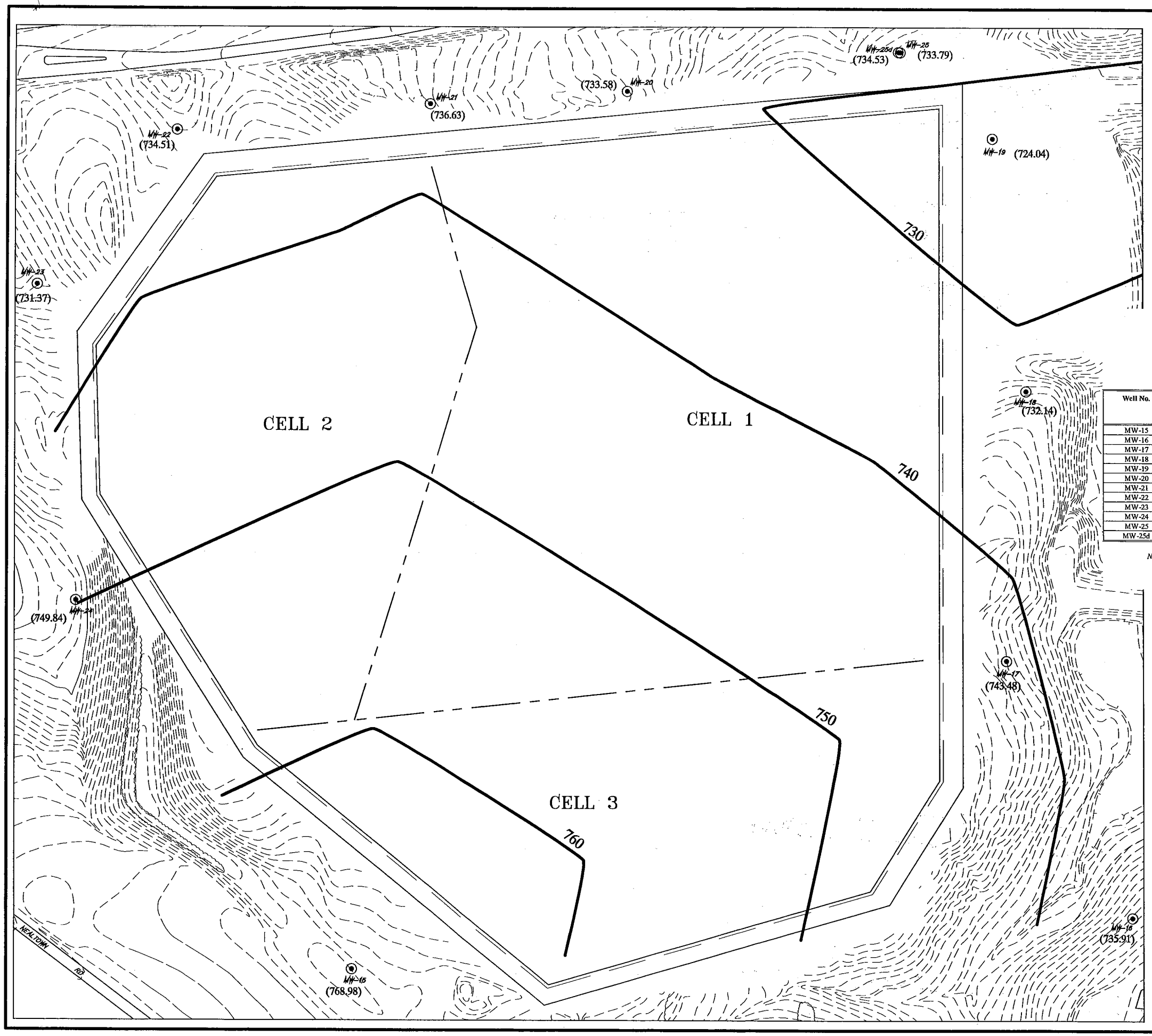

Table 5
Groundwater Velocity Data (10/06)
Phase III - White Street Landfill
Greensboro, North Carolina
S&ME Project No. 1584-98-081

Well No.	Hydraulic Conductivity (K= feet/day)	Porosity (n = %)	Gradient (I= feet/feet)	Groundwater Velocity (V= feet/day)
MW-15	0.265	0.20	0.021	0.028
MW-16	0.331	0.20	0.022	0.037
MW-17	0.160	0.20	0.063	0.051
MW-18	3.269	0.20	0.015	0.241
MW-19	0.716	0.20	0.050	0.178
MW-20	1.336	0.20	0.017	0.113
MW-21	0.681	0.20	0.019	0.064
MW-22	0.325	0.20	0.019	0.031
MW-23	0.173	0.20	0.048	0.041
MW-24	0.090	0.20	0.016	0.007
MW-25	2.088	0.20	0.051	0.528
MW-25d	0.827	0.20	NA	NA

Notes: Hydraulic Conductivity's from slug test data: G.N. Richardson & Associates
Porosity values from published literature, based on soil types
Velocity calculated using V = KI/n
NA = Not Applicable, deeper aquifer monitoring well

LEGEND

- MONITOR WELL LOCATION
- ESTIMATED GROUNDWATER ELEVATION (MARCH 2000)
- PROPERTY LINE
- CELL LIMITS
- APROXIMATE GROUNDWATER FLOW DIRECTION
- (743.93) GROUNDWATER ELEVATION AS CALCULATED FOR THE 5/05 EVENT

NOTES:

1. TOPOGRAPHY PROVIDED BY BRADY SURVEYING CO. FROM AERIAL PHOTOGRAPHY DATED NOVEMBER 9, 1994 FACILITY AREA UPDATED MAY 18, 1996.
2. PLANIMETRIC FEATURES PROVIDED BY GUILFORD COUNTY MAPS DATED 1991.
3. BOUNDARY SURVEY PROVIDED BY CITY OF GREENSBORO DATED DECEMBER 27, 1994

-100 0 50 100 200

SCALE: 1"=200'

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

SCALE: AS SHOWN	DRAWN BY: DSB/RDM	CHECKED BY: DRL	
JOB NO. 1584-98-081	DATE: FEBRUARY 2006	FIGURE NO. 1	

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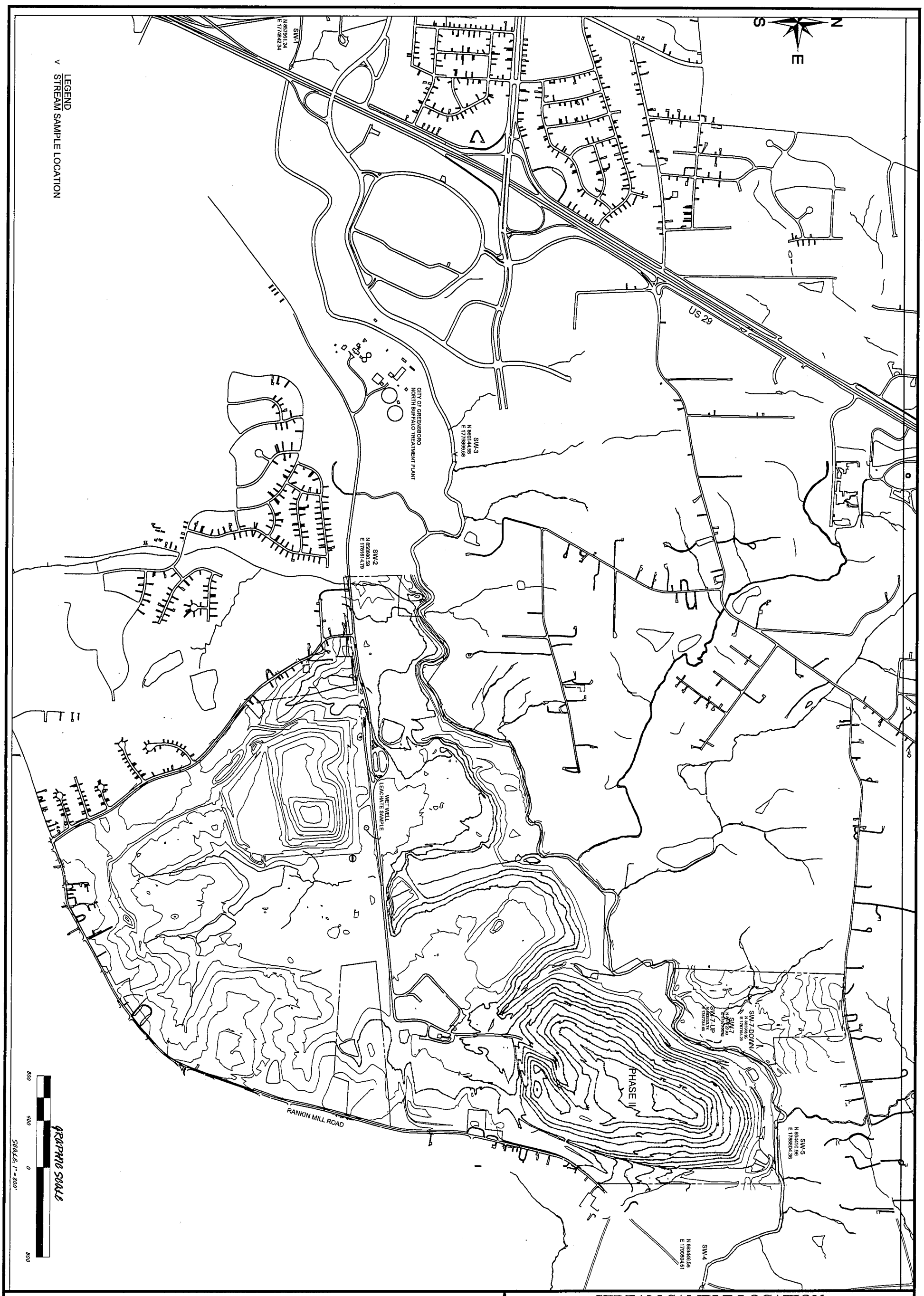
ENGINEERING · TESTING



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ENVIRONMENTAL SERVICES
ENGINEERING · TESTING

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

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

APPENDIX A

Field Sampling Data Sheets

(7)

GROUNDWATER SAMPLING FIELD DATA

Location	White Street Landfill	Purge Date	10/16/06
Project No.	1584-98-081	Purge Time	
Source Well	MW-15	Sample Date	10/16/06
Locked?	(Yes) No	Sample Time	1615
(PVC) Steel Stainless		Weather	CLOUDY
Sampled By	GS/MC	Air Temp	65°

Water Level and Well Data

27.64 ON 10/18/06 @ 0900 HRS

Depth to water from measuring point	25.83	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 1540 Stop 1610

Purge Rate: 100 mL liter/min

control settings changes? 6 ON 20 OFF @ 35 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	1545	1550	1555	1600	1605	1610		
Temp	15.38	15.31	15.08	14.97	14.83	14.82		
pH	6.87	6.87	6.91	6.92	6.94	6.94		
Conductivity	.470	.466	.463	.460	.460	.460		
ORP*	-227	-230	-232	-229	-226	-223		
D.O.*	.69	.53	.37	.33	.32	.31		
Turbidity*	10.2	5.2	4.0	4.2	3.1	3.7		

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Purge Date: 10/16/06
Project No.: 1584-98-081
Purge Time:
Source Well: MW-16
Sample Date: 10/16/06
Locked? (Yes) No
Sample Time: 1520
(PVC) Steel Stainless
Weather: Cloudy
Sampled By: GS/MC
Air Temp: 60°

Water Level and Well Data

21.76 @ 1120 on 10/18/06

Depth to water from measuring point: 22.11 feet

Depth to well bottom from measuring point: _____ feet

Height of water column: _____ feet

Measuring Point: TOC

Well Purging and Sample Collection

Purge Method: Pump

Sample Method: Pump

Sample Collection Time
Start _____ Stop _____

Purge Time
Purge Rate: 100 mL liter/min
Start 1435 Stop 1515

control settings: 4 on 23 off @ 25 psi
changes? _____
cycles _____
duration _____

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

Volume of water removed _____ gallon liters

Was well purged dry: Yes (No)

Field Analyses

** Stabilization Parameters*

Time	1440	1445	1450	1455	1500	1505	1510	1515
Temp	16.09	16.17	16.14	16.17	16.16	15.96	16.01	16.01
pH	5.81	5.77	5.72	5.71	5.71	5.74	5.76	5.76
Conductivity	.398	.402	.390	.371	.368	.369	.372	.372
ORP*	-160	-163	-161	-162	-164	-173	-184	-183
D.O.*	1.36	1.11	.83	.68	.60	.52	.47	.53
Turbidity*	18	6	4	3.3	3.3	3.6	4.1	4.1

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Purge Date: 10/18/06
Project No.: 1584-98-081
Purge Time:
Source Well: MW17
Sample Date: 10/18/06
Locked? Yes No
Sample Time: 10/18/06 @ 0905
PVC Steel Stainless
Weather: Over cast
Sampled By: Simcox / Cook
Air Temp: 63°

Water Level and Well Data

Depth to water from measuring point: 11.57 feet
Depth to well bottom from measuring point: N/A feet
Height of water column: N/A feet
Measuring Point: TOC

Well Purging and Sample Collection

Purge Method: Pump
Sample Method: Grab

Sample Collection Time
Start: 0905 Stop:

Purge Time
Start: 0815 Stop:

Purge Rate: on 3.4 / 20.0 off 100ml/pm liter/min
control settings changes?: ~~3.4~~ on / 20.0 off @ 24 psi
cycles:
duration:

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

Volume of water removed: gallon liters

Was well purged dry: Yes No

Field Analyses

* *Stabilization Parameters*

Time	0820	0825	0830	0835	0840	0845	0850	0855	0900	
Temp	17.16	17.22	17.26	17.26	16.99	17.00	17.08	17.17	17.23	
pH	~~0.198~~ 5.7	5.68	5.68	5.66	5.61	5.59	5.57	5.61	5.61	
Conductivity	2.92	0.196	0.196	0.194	0.192	0.190	0.189	0.190	0.190	
ORP*	-78	-87	-100	-105	-105	-104	-99	-99	-96	
D.O.*	2.61	2.45	1.91	1.61	1.29	1.30	1.41	1.63	1.69	
Turbidity*	9.68	6.80	5.8	4.5	5.1	3.7	4.1	4.5	4.4	

(X) time?

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Purge Date: 10/16/06
Project No.: 1584-98-081
Purge Time:
Source Well: MW-18
Sample Date: 10/16/06
Locked? (Yes) No
Sample Time:
(PVC) Steel Stainless
Weather: CLOUDY
Sampled By: GS/MC
Air Temp: 60°

Water Level and Well Data

Depth to water from measuring point: 10.56 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 1640 Stop 1740

Purge Rate: 100 mL liter/min

control settings: 4.5 ON 23 OFF @ 15 PSI
changes?

cycles
duration

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

Volume of water removed _____ gallon liters

Was well purged dry Yes No

Field Analyses

** Stabilization Parameters*

Time	1645	1650	1655	1700	1705	1710	1715	1720	1725	1730	1735	1740		
Temp	17.08	17.06	17.02	16.97	16.91	16.88	16.76	16.80	16.85	16.78	16.74	16.73		
pH	5.65	5.68	5.70	5.77	5.76	5.82	5.80	5.80	5.78	5.79	5.80	5.79		
Conductivity	.181	.184	.187	.186	.187	.187	.187	.188	.189	.189	.189	.189		
ORP*	-125	-139	-144	-135	-135	-124	-121	-113	-103	-100	-99	-97		
D.O.*	2.02	1.36	1.55	1.31	1.32	1.81	1.83	1.90	2.31	2.38	2.32	2.80		
Turbidity*	841	588	905	782	653	651	421	314	294	224	228	258		

(8)

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Purge Date: 10/18/06
Project No.: 1584-98-081
Purge Time: 1025 - 1105
Source Well: MW19
Sample Date: 10/18/06
Locked? (Yes) No
Sample Time: 1105
(PVC) Steel Stainless
Weather: Clear
Sampled By: Smicoy / Cook
Air Temp: 70

Water Level and Well Data

Depth to water from measuring point: 16.66 feet

Depth to well bottom from measuring point: _____ feet

Height of water column: _____ feet

Measuring Point: _____

Well Purging and Sample Collection

Purge Method: Pump

Sample Method: Grab

Sample Collection Time
Start: 1105 Stop: _____

Purge Rate: 3/27.5 @ 27psi liter/min

Purge Time
Start: 1025 Stop: 1105

control settings changes? _____

cycles _____

duration _____

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

Volume of water removed _____ gallon liters

Was well purged dry Yes (No)

Field Analyses

* *Stabilization Parameters*

Time	1030	1035	1040	1045	1050	1055	1100			
Temp	18.33	18.77	18.90	18.88	19.03	19.31	19.25			
pH	5.81	5.81	5.80	5.80	5.74	5.81	5.78			
Conductivity	0.191	0.193	0.194	0.196	0.196	0.197	0.199			
ORP*	115	124	126	131	-134	-135	-138			
D.O.*	2.66	1.75	1.46	1.25	1.19	1.16	1.19			
Turbidity*	5.6	4.7	4.9	4.75	4.4	3.9	4.3			

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Purge Date: 10/18/06
Project No.: 1584-98-081
Purge Time: 1725 - 1805
Source Well: MW-20
Sample Date: 10/18/06
Locked? Yes No
Sample Time: 1805
PVC Steel Stainless
Weather: Clear
Sampled By:
Air Temp: 80's

Water Level and Well Data

Depth to water from measuring point: 15.29 feet

Depth to well bottom from measuring point: N/A feet

Height of water column: N/A feet

Measuring Point: TOC

Well Purging and Sample Collection

Purge Method: Pump

Sample Method: Grab

Sample Collection Time
Start: 1805 Stop: 18

Purge Rate: 25psi. $\frac{3.5}{26.0}$ = 180 ml/m ~~liter~~/min

Purge Time
Start: Stop:

control settings changes?: cycles: duration:

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

Volume of water removed: gallon liters

Was well purged dry: Yes No

Field Analyses

** Stabilization Parameters*

Time	1730	1735	1740	1745	1750	1755	1800	
Temp	14.20	18.94	18.37	18.11	18.10	18.08	18.01	
pH	6.13	6.10	6.10	6.08	6.07	6.07	6.07	
Conductivity	0.716	0.728	0.71	0.696	0.692	0.683	0.680	
ORP*	[illegible]	43	69	72	75	78	78	
D.O.*	[illegible]	0.91	0.85	0.43	0.35	0.30	0.30	
Turbidity*	1.74	[illegible]	1.5	0.7	1.4	0.9	1.0	
DTGW	16.61	15.75				15.70		

Rev. 7

(1)

GROUNDWATER SAMPLING FIELD DATA

Location	White Street Landfill	Purge Date	10/18/06
Project No.	1584-98-081	Purge Time	1600 - 1710
Source Well	MW-21	Sample Date	10/18/06
Locked?	Yes No	Sample Time	1710
PVC	Steel Stainless	Weather	
Sampled By		Air Temp	

Water Level and Well Data

Depth to water from measuring point	6.69	feet
Depth to well bottom from measuring point	N/A	feet
Height of water column	N/A	feet
Measuring Point	TOC	

Well Purging and Sample Collection

Purge Method: Pump

Sample Method: Grab

Sample Collection Time — Start: 1710 Stop:

Purge Time — Start: 1600 Stop: 1710

Purge Rate: _____ liter/min

control settings changes? _____ cycles _____ duration _____

Volume of Water in well

2" well (volume = 0.163 x h) _____

4" well (volume = 0.651 x h) _____

Volume of water removed _____ gallon liters

Was well purged dry Yes No

Field Analyses

** Stabilization Parameters*

Time	1605	1610	1615	1620	1625	1630	1635	1640	1645	1650	1655
Temp	21.57	21.78	21.85	21.59	21.72	21.77	21.41	21.05	21.30	21.27	21.43
pH	5.71	5.67	5.67	5.65	5.63	5.63	5.64	5.63	5.62	5.62	5.64
Conductivity	0.149	0.145	0.146	0.146	0.145	0.145	0.145	0.144	0.144	0.144	0.144
ORP*	-63	-32	-14	-6	-4	-4	-5	4	10	33	40
D.O.*	2.30	2.10	1.51	1.44	1.41	1.38	1.00	1.08	1.24	1.24	1.22
Turbidity*	43	7.6	3.4	2.7	2.2	3.4	2.2	1.8	2	1.7	1.6
DTGW	7.53	7.1	7.10	7.17	7.15	7.17			7.18		

Continued on Next Page

MW-21

(2)

Field Analyses

** Stabilization Parameters*

Time	1700	1705						
Temp	21.10	21.27						
pH	5.64	5.62						
Conductivity	0.144	0.143						
ORP*	42	46						
D.O.*	1.23	1.43						
Turbidity*	1.6	1.6						

Field Analyses

** Stabilization Parameters*

Time								
Temp								
pH								
Conductivity								
ORP*								
D.O.*								
Turbidity*								

Field Analyses

** Stabilization Parameters*

Time								
Temp								
pH								
Conductivity								
ORP*								
D.O.*								
Turbidity*								

Additional Comments

GROUNDWATER SAMPLING FIELD DATA

Location	White Street Landfill	Purge Date	10/18/06
Project No.	1584-98-081	Purge Time	1505 - 1550
Source Well	MW-22	Sample Date	10/18/06
Locked?	Yes No	Sample Time	1550
PVC	Steel Stainless	Weather	Clear
Sampled By		Air Temp	80's

Water Level and Well Data

Depth to water from measuring point	9.92	feet
Depth to well bottom from measuring point	N/A	feet
Height of water column	N/A	feet
Measuring Point	TOC	

Well Purging and Sample Collection

Purge Method: Pump

Sample Method: Grab

Sample Collection Time Start _____ Stop _____

Purge Rate: 4.0/26.0 @ 26psi ≈ 100 mL/m liter/min

Purge Time Start 1505 Stop _____

control settings changes? _____ cycles _____ duration _____

Volume of Water in well

2" well (volume = 0.163 x h) _____

4" well (volume = 0.651 x h) _____

Volume of water removed _____ gallon liters

Was well purged dry Yes (No)

Field Analyses

* *Stabilization Parameters*

Time	1510	1515	1520	1525	1530	1535	1540	1545
Temp	22.20	20.31	20.22	20.29	20.22	20.05	19.82	19.93
pH	6.53	6.63	6.63	6.61	6.52	6.42	6.38	6.32
Conductivity	0.495	0.398	0.395	0.387	0.371	0.349	0.339	0.328
ORP*	-169	-187	-187	-187	-183	-179	-175	-173
D.O.*	2.23	0.99	0.73	0.55	0.47	0.43	0.41	0.44
Turbidity*	135	7.7	8.6	15.5	14.2	12.0	12.1	11.8
DTGW	10.41	11.13	12.09	12.18	12.49	13.09		

GROUNDWATER SAMPLING FIELD DATA

Location	White Street Landfill	Purge Date	10/18/06
Project No.	1584-98-081	Purge Time	1345 – 1415
Source Well	MW-23	Sample Date	10/18/06
Locked?	(Yes) No	Sample Time	1415
(PVC) Steel Stainless		Weather	Clear
Sampled By		Air Temp	80

Water Level and Well Data

Depth to water from measuring point	12.88	feet
Depth to well bottom from measuring point	N/A	feet
Height of water column		feet
Measuring Point		

Well Purging and Sample Collection

Purge Method: Pump

Sample Method: Grab

Sample Collection Time — Start: 1415 Stop:

Purge Rate: 4.7/26.0 @ 25psi liter/min

control settings changes? 4.7/26.0 @ 25psi 75ml/m

Purge Time — Start: 1340 Stop: 1415

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	1350	1355	1400	1405	1410			
Temp	20.50	20.14	20.05	20.20	20.31			
pH	7.14	7.16	7.20	7.26	7.27			
Conductivity	0.595	0.588	0.579	0.572	0.572			
ORP*	-222	-221	-216	-212	-210			
D.O.*	1.97	1.27	0.92	0.66	0.61			
Turbidity*	2.31	1.68	1.37	1.22	1.09			
DTGW	14.42	15.09	15.55	16.11	16.58			

(X)

GROUNDWATER SAMPLING FIELD DATA

Location	White Street Landfill	Purge Date	10/18/06
Project No.	1584-98-081	Purge Time	~~10/18~~
Source Well	MW 24	Sample Date	10/18/06
Locked?	Yes No	Sample Time	1455
PVC	Steel Stainless	Weather	Clear
Sampled By	Simeon / Cook	Air Temp	80's

Water Level and Well Data

Depth to water from measuring point	2.68	feet
Depth to well bottom from measuring point	N/A	feet
Height of water column	N/A	feet
Measuring Point	TOC	

Well Purging and Sample Collection

Purge Method: Pump

Sample Method: Grab

Sample Collection Time — Start: 1455 Stop:

Purge Rate: 4.0 / 26.0 @ 15.5 psi liter/min

Purge Time — Start: 1425 Stop: 1455

control settings changes?

cycles duration

Volume of Water in well

2" well (volume = 0.163 x h)

4" well (volume = 0.651 x h)

Volume of water removed gallon liters

Was well purged dry Yes No

Field Analyses

** Stabilization Parameters*

Time	1430	1435	1440	1445	1450			
Temp	22.49	21.65	21.08	20.47	20.05			
pH	6.55	6.54	6.53	6.54	6.54			
Conductivity	0.989	1.000	1.002	1.004	1.004			
ORP*	-175	-175	-177	-179	-182			
D.O.*	1.98	1.50	1.18	0.88	0.81			
Turbidity*	11.34	9.18	8.00	8.8	7.6			
	3.48	3.82	3.89	3.80	5.19			

GROUNDWATER SAMPLING FIELD DATA

Location	White Street Landfill	Purge Date	10/18/06
Project No.	1584-98-081	Purge Time	0925 - 0940
Source Well	MW 25	Sample Date	10/18/06
Locked?	(Yes) No	Sample Time	0945
(PVC) Steel Stainless		Weather	overcast
Sampled By	Simcox / Cook	Air Temp	65

Water Level and Well Data

Depth to water from measuring point	12.68	feet
Depth to well bottom from measuring point	N/A	feet
Height of water column	N/A	feet
Measuring Point	TOC	

Well Purging and Sample Collection

Purge Method: Pump

Sample Method: Grab

Sample Collection Time Start 0945 Stop

Purge Rate: 6.0 on 18.0 off @ 18psi ~~100~~ 50 liter/min

Purge Time Start 0925 Stop 0940

control settings changes? 18psi · 6.0 on / 18.0 off = 50ml/m

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	0925	0930	0935	0940				
Temp	18.26	18.27	18.36	18.56				
pH	5.88	5.95	5.98	5.98				
Conductivity	0.161	0.153	0.150	0.151				
ORP*	-87	-89	-89	-85				
D.O.*	4.28	4.37	4.59	4.60				
Turbidity*	17.25	4.64	2.28	2.01				

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Purge Date: 10/18/06
Project No.: 1584-98-081
Purge Time: 0945 – 1015
Duplicate III @ 0700
Source Well: MW-25B
Sample Date: 10/18/06
Locked? Yes No
Sample Time: 1015
PVC Steel Stainless
Weather: Clear
Sampled By: Simcox/
Air Temp: 65

Water Level and Well Data

Depth to water from measuring point: 11.66 feet
Depth to well bottom from measuring point: N/A feet
Height of water column: N/A feet
Measuring Point: TOC

Well Purging and Sample Collection

Purge Method: Pump
Sample Method: Grab

Sample Collection Time
Start: 1015 Stop:

Purge Rate: 4.5 on / 18.0 off @ 25 psi ≤ 100 liter/min
control settings changes? 4.0/18 @ 25 psi

Purge Time
Start: 0945 Stop: 1015
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

Duplicate III Sample taken (sample time 0700)

Field Analyses

* *Stabilization Parameters*

Time	~~0925~~	950	0955	1000	1005	1010		
Temp	~~18.26~~	18.15	17.88	18.31	18.64	17.76		
pH	~~5.88~~	6.04	6.05	6.05	6.01	6.01		
Conductivity	~~0.161~~	0.129	0.125	0.125	0.125	0.125		
ORP*	~~-87~~	-84	-94	-95	-95	-88		
D.O.*	~~4.38~~	5.26	4.49	4.15	3.94	3.92		
Turbidity*	~~17.26~~	2.3	3.1	1.9	1.7	1.9		

S&ME
ENVIRONMENTAL SERVICES · ENGINEERING · TESTING

SURFACE WATER SAMPLING FIELD DATA

SITE NAME: White Street Landfill

Date: 10/19/02

S&ME PROJECT NO. 1584-98-081

Time: 0910

SAMPLE LOCATION: SW-1

Weather: Cloudy 60's

SAMPLED BY: Michael Cook

FIELD ANALYSES

Temperature 18.80

Specific Conductance 0.199

pH 7.29

Physical Appearance and Odor No odor - Clear

Comments/Observations:

~~Site Buffalo Creek Clear & flowing~~ - No odor
Buffalo Creek clear & flowing

Samplers Initials: Cook

S&ME
ENVIRONMENTAL SERVICES • ENGINEERING • TESTING

SURFACE WATER SAMPLING FIELD DATA

SITE NAME: White Street Landfill

Date: 10/19/06

S&ME PROJECT NO. 1584-98-081

Time : 10 20

SAMPLE LOCATION: SW - 2

Weather: Partly Cloudy 60's

SAMPLED BY: Michael Cook

FIELD ANALYSES

Temperature 18.56

Specific Conductance 0.228

pH 7.24

Physical Appearance and Odor No odor : clear

Comments/Observations:

Stream clear and flowing - Saw small fish

Samplers Initials: Cook

S&ME
ENVIRONMENTAL SERVICES · ENGINEERING · TESTING

SURFACE WATER SAMPLING FIELD DATA

SITE NAME: White Street Landfill

Date: 10/19/06

S&ME PROJECT NO. 1584-98-081

Time : 0950

SAMPLE LOCATION: SW-3

Weather: Cloudy - 60's

SAMPLED BY: M Cook

FIELD ANALYSES

Temperature 20.27

Specific Conductance 0.420

pH 7.00

Physical Appearance and Odor Slight odor - Clear

Comments/Observations:

Buffalo Creek Slight odor . Stream Clear

Note: Check in with Sanitation desk & get Key to "New Gate 15"

Samplers Initials: Cook

APPENDIX B

Laboratory Analytical Report – Main October 2006 Monitoring Event

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

Tuesday, November 7, 2006

S&ME, Inc. (SM004)

Attn: Edmund Henriques

3718 Old Battleground Rd.

Greensboro, NC 27410

RE: Project Number: [none], Project Name/Desc: White Street Landfill AppI Monitoring Wells
ENCO Workorder: C603833

Dear Edmund Henriques,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, October 20, 2006.

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

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

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

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

Sincerely,

Bob George For Chuck Smith
Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 71.

www.encolabs.com

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: MW-15 **Lab ID:** C603833-01

Sampled: 10/16/06 16:15 **Received:** 10/20/06 13:35

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	04/14/07	10/23/06 11:32	10/27/2006 10:05
EPA 8260B	10/30/06	10/26/06 08:52	10/26/2006 16:39

Client ID: MW-16 **Lab ID:** C603833-02

Sampled: 10/16/06 15:20 **Received:** 10/20/06 13:35

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	04/14/07	10/23/06 11:32	10/27/2006 10:30
EPA 8260B	10/30/06	10/26/06 08:52	10/26/2006 17:05

Client ID: MW-17 **Lab ID:** C603833-03

Sampled: 10/18/06 09:05 **Received:** 10/20/06 13:35

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	04/16/07	10/23/06 11:32	10/27/2006 10:37
EPA 8260B	11/01/06	10/27/06 08:44	10/28/2006 05:52

Client ID: MW-18 **Lab ID:** C603833-04

Sampled: 10/16/06 17:45 **Received:** 10/20/06 13:35

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	04/14/07	10/23/06 11:32	10/27/2006 10:43
EPA 8260B	10/30/06	10/26/06 08:52	10/26/2006 17:31

Client ID: MW-19 **Lab ID:** C603833-05

Sampled: 10/18/06 11:05 **Received:** 10/20/06 13:35

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	04/16/07	10/23/06 11:32	10/27/2006 10:50
EPA 8260B	11/01/06	10/27/06 08:44	10/28/2006 06:19

Client ID: MW-20 **Lab ID:** C603833-06
Sampled: 10/18/06 18:05 **Received:** 10/20/06 13:35

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	04/16/07	10/23/06 11:32	10/27/2006 11:01
EPA 8260B	11/01/06	10/27/06 08:44	10/28/2006 06:45

Client ID: MW-21 **Lab ID:** C603833-07
Sampled: 10/18/06 17:10 **Received:** 10/20/06 13:35

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	04/16/07	10/23/06 11:32	10/27/2006 11:26
EPA 8260B	11/01/06	10/28/06 10:35	10/29/2006 01:55

Client ID: MW-22 **Lab ID:** C603833-08
Sampled: 10/18/06 15:50 **Received:** 10/20/06 13:35

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	04/16/07	10/23/06 11:32	10/27/2006 11:33
EPA 8260B	11/01/06	10/28/06 10:35	10/29/2006 02:22

Client ID: MW-23 **Lab ID:** C603833-09
Sampled: 10/18/06 14:15 **Received:** 10/20/06 13:35

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	04/16/07	10/23/06 11:32	10/27/2006 11:40
EPA 8260B	11/01/06	10/28/06 10:35	10/29/2006 02:49

Client ID: MW-24 **Lab ID:** C603833-10
Sampled: 10/18/06 14:55 **Received:** 10/20/06 13:35

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	04/16/07	10/23/06 11:32	10/27/2006 11:47
EPA 8260B	11/01/06	10/28/06 10:35	10/29/2006 03:15

Client ID: MW-25 **Lab ID:** C603833-11
Sampled: 10/18/06 09:45 **Received:** 10/20/06 13:35

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	04/16/07	10/23/06 11:32	10/27/2006 11:54
EPA 8260B	11/01/06	10/28/06 10:35	10/29/2006 03:42

Client ID: MW-25B **Lab ID:** C603833-12
Sampled: 10/18/06 10:15 **Received:** 10/20/06 13:35

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	04/16/07	10/23/06 11:32	10/27/2006 12:01
EPA 8260B	11/01/06	10/28/06 10:35	10/29/2006 04:09

Client ID: SW-1 **Lab ID:** C603833-13
Sampled: 10/19/06 09:10 **Received:** 10/20/06 13:35

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	04/17/07	10/23/06 11:32	10/27/2006 12:08
EPA 8260B	11/02/06	11/01/06 05:20	11/2/2006 10:52

Client ID: SW-2 **Lab ID:** C603833-14
Sampled: 10/19/06 10:20 **Received:** 10/20/06 13:35

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	04/17/07	10/23/06 11:32	10/27/2006 12:15
EPA 8260B	11/02/06	11/01/06 05:20	11/2/2006 11:18

Client ID: SW-3 **Lab ID:** C603833-15
Sampled: 10/19/06 09:50 **Received:** 10/20/06 13:35

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	04/17/07	10/23/06 11:32	10/27/2006 12:22
EPA 8260B	11/02/06	11/01/06 05:20	11/2/2006 11:43

Client ID: SW-4 **Lab ID:** C603833-16

Sampled: 10/19/06 10:40 **Received:** 10/20/06 13:35

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	04/17/07	10/23/06 11:32	10/27/2006 12:29
EPA 8260B	11/02/06	11/01/06 05:20	11/2/2006 12:09

Client ID: SW-5 **Lab ID:** C603833-17

Sampled: 10/19/06 13:30 **Received:** 10/20/06 13:35

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	04/17/07	10/23/06 11:32	10/27/2006 12:53
EPA 8260B	11/02/06	11/01/06 05:20	11/2/2006 12:34

Client ID: DUPLICATE-III **Lab ID:** C603833-18

Sampled: 10/18/06 07:00 **Received:** 10/20/06 13:35

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	04/16/07	10/23/06 11:32	10/27/2006 13:00
EPA 8260B	11/01/06	10/28/06 10:35	10/29/2006 04:35

Client ID: Trip Blank#3 **Lab ID:** C603833-19

Sampled: 10/16/06 00:00 **Received:** 10/20/06 13:35

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	10/30/06	10/26/06 08:52	10/26/2006 17:57

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ANALYTICAL REPORT

Sample ID:	MW-15	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C603833-01	Work Order #:	C603833
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	10/26/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J26003		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	1.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	5 U	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	1.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	1.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	1.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	1.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	1.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	1.0	5	ug/L
2-Butanone	78-93-3	100 U	5.0	100	ug/L
2-Hexanone	591-78-6	50 U	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	5.0	100	ug/L
Acetone	67-64-1	100 U	5.0	100	ug/L
Acrylonitrile	107-13-1	200 U	5.0	200	ug/L
Benzene	71-43-2	5 U	1.0	5	ug/L
Bromochloromethane	74-97-5	5 U	1.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	0.40	5	ug/L
Bromoform	75-25-2	5 U	1.0	5	ug/L
Bromomethane	74-83-9	10 U	1.0	10	ug/L
Carbon disulfide	75-15-0	100 U	5.0	100	ug/L
Carbon tetrachloride	56-23-5	10 U	1.0	10	ug/L
Chlorobenzene	108-90-7	5 U	1.0	5	ug/L
Chloroethane	75-00-3	10 U	1.0	10	ug/L
Chloroform	67-66-3	5 U	1.0	5	ug/L
Chloromethane	74-87-3	10 U	1.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	0.20	10	ug/L
Dibromochloromethane	124-48-1	5 U	1.0	5	ug/L
Dibromomethane	74-95-3	10 U	1.0	10	ug/L
Ethylbenzene	100-41-4	5 U	1.0	5	ug/L
Iodomethane	74-88-4	10 U	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	2.0	5	ug/L
Methylene chloride	75-09-2	10 U	2.0	10	ug/L
o-Xylene	95-47-6	5 U	1.0	5	ug/L
Styrene	100-42-5	10 U	1.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	1.0	5	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-15	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C603833-01	Work Order #:	C603833
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	10/26/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J26003		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
Toluene	108-88-3	5 U	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	5 U	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	10 U	0.20	10	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	100 U	1.0	100	ug/L
Trichloroethene	79-01-6	5 U	1.0	5	ug/L
Trichlorofluoromethane	75-69-4	5 U	1.0	5	ug/L
Vinyl acetate	108-05-4	50 U	2.0	50	ug/L
Vinyl chloride	75-01-4	10 U	1.0	10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	48	50.0	97 %	70-130
Dibromofluoromethane	1868-53-7	59	50.0	118 %	73-138
Toluene-d8	2037-26-5	57	50.0	114 %	77-118

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ANALYTICAL REPORT

Sample ID:	MW-15	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C603833-01	Work Order #:	C603833
		Matrix:	Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	30 U	10.0	30	ug/L	EPA 6010B	EPA 3005A	6J23019
Arsenic	7440-38-2	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Barium	7440-39-3	500 U	10.0	500	ug/L	EPA 6010B	EPA 3005A	6J23019
Beryllium	7440-41-7	2 U	1.00	2	ug/L	EPA 6010B	EPA 3005A	6J23019
Cadmium	7440-43-9	1 U	1.00	1	ug/L	EPA 6010B	EPA 3005A	6J23019
Chromium	7440-47-3	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Cobalt	7440-48-4	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Copper	7440-50-8	200 U	10.0	200	ug/L	EPA 6010B	EPA 3005A	6J23019
Lead	7439-92-1	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Nickel	7440-02-0	50 U	10.0	50	ug/L	EPA 6010B	EPA 3005A	6J23019
Selenium	7782-49-2	20 U	10.0	20	ug/L	EPA 6010B	EPA 3005A	6J23019
Silver	7440-22-4	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Thallium	7440-28-0	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Vanadium	7440-62-2	40 U	10.0	40	ug/L	EPA 6010B	EPA 3005A	6J23019
Zinc	7440-66-6	50 U	10.0	50	ug/L	EPA 6010B	EPA 3005A	6J23019

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ANALYTICAL REPORT

Sample ID:	MW-16	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C603833-02	Work Order #:	C603833
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	10/26/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J26003		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	1.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	5 U	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	1.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	1.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	1.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	1.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	1.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	1.0	5	ug/L
2-Butanone	78-93-3	100 U	5.0	100	ug/L
2-Hexanone	591-78-6	50 U	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	5.0	100	ug/L
Acetone	67-64-1	100 U	5.0	100	ug/L
Acrylonitrile	107-13-1	200 U	5.0	200	ug/L
Benzene	71-43-2	5 U	1.0	5	ug/L
Bromochloromethane	74-97-5	5 U	1.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	0.40	5	ug/L
Bromoform	75-25-2	5 U	1.0	5	ug/L
Bromomethane	74-83-9	10 U	1.0	10	ug/L
Carbon disulfide	75-15-0	100 U	5.0	100	ug/L
Carbon tetrachloride	56-23-5	10 U	1.0	10	ug/L
Chlorobenzene	108-90-7	5 U	1.0	5	ug/L
Chloroethane	75-00-3	10 U	1.0	10	ug/L
Chloroform	67-66-3	5 U	1.0	5	ug/L
Chloromethane	74-87-3	10 U	1.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	0.20	10	ug/L
Dibromochloromethane	124-48-1	5 U	1.0	5	ug/L
Dibromomethane	74-95-3	10 U	1.0	10	ug/L
Ethylbenzene	100-41-4	5 U	1.0	5	ug/L
Iodomethane	74-88-4	10 U	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	2.0	5	ug/L
Methylene chloride	75-09-2	10 U	2.0	10	ug/L
o-Xylene	95-47-6	5 U	1.0	5	ug/L
Styrene	100-42-5	10 U	1.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	1.0	5	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-16	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C603833-02	Work Order #:	C603833
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	10/26/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J26003		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
Toluene	108-88-3	5 U	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	5 U	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	10 U	0.20	10	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	100 U	1.0	100	ug/L
Trichloroethene	79-01-6	5 U	1.0	5	ug/L
Trichlorofluoromethane	75-69-4	5 U	1.0	5	ug/L
Vinyl acetate	108-05-4	50 U	2.0	50	ug/L
Vinyl chloride	75-01-4	10 U	1.0	10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	47	50.0	94 %	70-130
Dibromofluoromethane	1868-53-7	59	50.0	117 %	73-138
Toluene-d8	2037-26-5	58	50.0	115 %	77-118

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ANALYTICAL REPORT

Sample ID:	MW-16	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C603833-02	Work Order #:	C603833
		Matrix:	Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results		MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	30	U	10.0	30	ug/L	EPA 6010B	EPA 3005A	6J23019
Arsenic	7440-38-2	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Barium	7440-39-3	500	U	10.0	500	ug/L	EPA 6010B	EPA 3005A	6J23019
Beryllium	7440-41-7	2	U	1.00	2	ug/L	EPA 6010B	EPA 3005A	6J23019
Cadmium	7440-43-9	1	U	1.00	1	ug/L	EPA 6010B	EPA 3005A	6J23019
Chromium	7440-47-3	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Cobalt	7440-48-4	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Copper	7440-50-8	200	U	10.0	200	ug/L	EPA 6010B	EPA 3005A	6J23019
Lead	7439-92-1	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Nickel	7440-02-0	50	U	10.0	50	ug/L	EPA 6010B	EPA 3005A	6J23019
Selenium	7782-49-2	20	U	10.0	20	ug/L	EPA 6010B	EPA 3005A	6J23019
Silver	7440-22-4	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Thallium	7440-28-0	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Vanadium	7440-62-2	40	U	10.0	40	ug/L	EPA 6010B	EPA 3005A	6J23019
Zinc	7440-66-6	50	U	10.0	50	ug/L	EPA 6010B	EPA 3005A	6J23019

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ANALYTICAL REPORT

Sample ID:	MW-17	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C603833-03	Work Order #:	C603833
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	10/28/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J27006		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	1.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	5 U	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	1.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	1.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	1.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	1.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	1.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	1.0	5	ug/L
2-Butanone	78-93-3	100 U	5.0	100	ug/L
2-Hexanone	591-78-6	50 U	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	5.0	100	ug/L
Acetone	67-64-1	100 U	5.0	100	ug/L
Acrylonitrile	107-13-1	200 U	5.0	200	ug/L
Benzene	71-43-2	5 U	1.0	5	ug/L
Bromochloromethane	74-97-5	5 U	1.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	0.40	5	ug/L
Bromoform	75-25-2	5 U	1.0	5	ug/L
Bromomethane	74-83-9	10 U	1.0	10	ug/L
Carbon disulfide	75-15-0	100 U	5.0	100	ug/L
Carbon tetrachloride	56-23-5	10 U	1.0	10	ug/L
Chlorobenzene	108-90-7	5 U	1.0	5	ug/L
Chloroethane	75-00-3	10 U	1.0	10	ug/L
Chloroform	67-66-3	5 U	1.0	5	ug/L
Chloromethane	74-87-3	10 U	1.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	0.20	10	ug/L
Dibromochloromethane	124-48-1	5 U	1.0	5	ug/L
Dibromomethane	74-95-3	10 U	1.0	10	ug/L
Ethylbenzene	100-41-4	5 U	1.0	5	ug/L
Iodomethane	74-88-4	10 U	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	2.0	5	ug/L
Methylene chloride	75-09-2	10 U	2.0	10	ug/L
o-Xylene	95-47-6	5 U	1.0	5	ug/L
Styrene	100-42-5	10 U	1.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	1.0	5	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-17	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C603833-03	Work Order #:	C603833
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	10/28/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J27006		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
Toluene	108-88-3	5 U	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	5 U	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	10 U	0.20	10	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	100 U	1.0	100	ug/L
Trichloroethene	79-01-6	5 U	1.0	5	ug/L
Trichlorofluoromethane	75-69-4	5 U	1.0	5	ug/L
Vinyl acetate	108-05-4	50 U	2.0	50	ug/L
Vinyl chloride	75-01-4	10 U	1.0	10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	47	50.0	94 %	70-130
Dibromofluoromethane	1868-53-7	57	50.0	114 %	73-138
Toluene-d8	2037-26-5	54	50.0	108 %	77-118

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ANALYTICAL REPORT

Sample ID: MW-17
Lab #: C603833-03

Project: White Street Landfill Appl Monitoring Well
Work Order #: C603833
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results		MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	30	U	10.0	30	ug/L	EPA 6010B	EPA 3005A	6J23019
Arsenic	7440-38-2	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Barium	7440-39-3	500	U	10.0	500	ug/L	EPA 6010B	EPA 3005A	6J23019
Beryllium	7440-41-7	2	U	1.00	2	ug/L	EPA 6010B	EPA 3005A	6J23019
Cadmium	7440-43-9	1	U	1.00	1	ug/L	EPA 6010B	EPA 3005A	6J23019
Chromium	7440-47-3	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Cobalt	7440-48-4	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Copper	7440-50-8	200	U	10.0	200	ug/L	EPA 6010B	EPA 3005A	6J23019
Lead	7439-92-1	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Nickel	7440-02-0	50	U	10.0	50	ug/L	EPA 6010B	EPA 3005A	6J23019
Selenium	7782-49-2	20	U	10.0	20	ug/L	EPA 6010B	EPA 3005A	6J23019
Silver	7440-22-4	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Thallium	7440-28-0	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Vanadium	7440-62-2	40	U	10.0	40	ug/L	EPA 6010B	EPA 3005A	6J23019
Zinc	7440-66-6	50	U	10.0	50	ug/L	EPA 6010B	EPA 3005A	6J23019

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ANALYTICAL REPORT

Sample ID:	MW-18	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C603833-04	Work Order #:	C603833
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	10/26/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J26003		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	1.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	5 U	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	1.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	1.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	1.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	1.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	1.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	1.0	5	ug/L
2-Butanone	78-93-3	100 U	5.0	100	ug/L
2-Hexanone	591-78-6	50 U	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	5.0	100	ug/L
Acetone	67-64-1	100 U	5.0	100	ug/L
Acrylonitrile	107-13-1	200 U	5.0	200	ug/L
Benzene	71-43-2	5 U	1.0	5	ug/L
Bromochloromethane	74-97-5	5 U	1.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	0.40	5	ug/L
Bromoform	75-25-2	5 U	1.0	5	ug/L
Bromomethane	74-83-9	10 U	1.0	10	ug/L
Carbon disulfide	75-15-0	100 U	5.0	100	ug/L
Carbon tetrachloride	56-23-5	10 U	1.0	10	ug/L
Chlorobenzene	108-90-7	5 U	1.0	5	ug/L
Chloroethane	75-00-3	10 U	1.0	10	ug/L
Chloroform	67-66-3	5 U	1.0	5	ug/L
Chloromethane	74-87-3	10 U	1.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	0.20	10	ug/L
Dibromochloromethane	124-48-1	5 U	1.0	5	ug/L
Dibromomethane	74-95-3	10 U	1.0	10	ug/L
Ethylbenzene	100-41-4	5 U	1.0	5	ug/L
Iodomethane	74-88-4	10 U	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	2.0	5	ug/L
Methylene chloride	75-09-2	10 U	2.0	10	ug/L
o-Xylene	95-47-6	5 U	1.0	5	ug/L
Styrene	100-42-5	10 U	1.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	1.0	5	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-18	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C603833-04	Work Order #:	C603833
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	10/26/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J26003		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
Toluene	108-88-3	5 U	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	5 U	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	10 U	0.20	10	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	100 U	1.0	100	ug/L
Trichloroethene	79-01-6	5 U	1.0	5	ug/L
Trichlorofluoromethane	75-69-4	5 U	1.0	5	ug/L
Vinyl acetate	108-05-4	50 U	2.0	50	ug/L
Vinyl chloride	75-01-4	10 U	1.0	10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	46	50.0	93 %	70-130
Dibromofluoromethane	1868-53-7	59	50.0	118 %	73-138
Toluene-d8	2037-26-5	55	50.0	110 %	77-118

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ANALYTICAL REPORT

Sample ID: MW-18
Lab #: C603833-04

Project: White Street Landfill Appl Monitoring Well
Work Order #: C603833
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results		MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	30	U	10.0	30	ug/L	EPA 6010B	EPA 3005A	6J23019
Arsenic	7440-38-2	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Barium	7440-39-3	500	U	10.0	500	ug/L	EPA 6010B	EPA 3005A	6J23019
Beryllium	7440-41-7	2	U	1.00	2	ug/L	EPA 6010B	EPA 3005A	6J23019
Cadmium	7440-43-9	1	U	1.00	1	ug/L	EPA 6010B	EPA 3005A	6J23019
Chromium	7440-47-3	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Cobalt	7440-48-4	10.7		10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Copper	7440-50-8	200	U	10.0	200	ug/L	EPA 6010B	EPA 3005A	6J23019
Lead	7439-92-1	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Nickel	7440-02-0	50	U	10.0	50	ug/L	EPA 6010B	EPA 3005A	6J23019
Selenium	7782-49-2	20	U	10.0	20	ug/L	EPA 6010B	EPA 3005A	6J23019
Silver	7440-22-4	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Thallium	7440-28-0	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Vanadium	7440-62-2	40	U	10.0	40	ug/L	EPA 6010B	EPA 3005A	6J23019
Zinc	7440-66-6	50	U	10.0	50	ug/L	EPA 6010B	EPA 3005A	6J23019

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ANALYTICAL REPORT

Sample ID:	MW-19	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C603833-05	Work Order #:	C603833
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	10/28/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J27006		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	1.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	5 U	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	1.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	1.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	1.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	1.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	1.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	1.0	5	ug/L
2-Butanone	78-93-3	100 U	5.0	100	ug/L
2-Hexanone	591-78-6	50 U	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	5.0	100	ug/L
Acetone	67-64-1	100 U	5.0	100	ug/L
Acrylonitrile	107-13-1	200 U	5.0	200	ug/L
Benzene	71-43-2	5 U	1.0	5	ug/L
Bromochloromethane	74-97-5	5 U	1.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	0.40	5	ug/L
Bromoform	75-25-2	5 U	1.0	5	ug/L
Bromomethane	74-83-9	10 U	1.0	10	ug/L
Carbon disulfide	75-15-0	100 U	5.0	100	ug/L
Carbon tetrachloride	56-23-5	10 U	1.0	10	ug/L
Chlorobenzene	108-90-7	5 U	1.0	5	ug/L
Chloroethane	75-00-3	10 U	1.0	10	ug/L
Chloroform	67-66-3	5 U	1.0	5	ug/L
Chloromethane	74-87-3	10 U	1.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	0.20	10	ug/L
Dibromochloromethane	124-48-1	5 U	1.0	5	ug/L
Dibromomethane	74-95-3	10 U	1.0	10	ug/L
Ethylbenzene	100-41-4	5 U	1.0	5	ug/L
Iodomethane	74-88-4	10 U	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	2.0	5	ug/L
Methylene chloride	75-09-2	10 U	2.0	10	ug/L
o-Xylene	95-47-6	5 U	1.0	5	ug/L
Styrene	100-42-5	10 U	1.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	1.0	5	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-19	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C603833-05	Work Order #:	C603833
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	10/28/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J27006		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
Toluene	108-88-3	5 U	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	5 U	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	10 U	0.20	10	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	100 U	1.0	100	ug/L
Trichloroethene	79-01-6	5 U	1.0	5	ug/L
Trichlorofluoromethane	75-69-4	5 U	1.0	5	ug/L
Vinyl acetate	108-05-4	50 U	2.0	50	ug/L
Vinyl chloride	75-01-4	10 U	1.0	10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	44	50.0	88 %	70-130
Dibromofluoromethane	1868-53-7	57	50.0	114 %	73-138
Toluene-d8	2037-26-5	57	50.0	114 %	77-118

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ANALYTICAL REPORT

Sample ID: MW-19
Lab #: C603833-05

Project: White Street Landfill Appl Monitoring Well
Work Order #: C603833
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results		MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	30	U	10.0	30	ug/L	EPA 6010B	EPA 3005A	6J23019
Arsenic	7440-38-2	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Barium	7440-39-3	500	U	10.0	500	ug/L	EPA 6010B	EPA 3005A	6J23019
Beryllium	7440-41-7	2	U	1.00	2	ug/L	EPA 6010B	EPA 3005A	6J23019
Cadmium	7440-43-9	1	U	1.00	1	ug/L	EPA 6010B	EPA 3005A	6J23019
Chromium	7440-47-3	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Cobalt	7440-48-4	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Copper	7440-50-8	200	U	10.0	200	ug/L	EPA 6010B	EPA 3005A	6J23019
Lead	7439-92-1	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Nickel	7440-02-0	50	U	10.0	50	ug/L	EPA 6010B	EPA 3005A	6J23019
Selenium	7782-49-2	20	U	10.0	20	ug/L	EPA 6010B	EPA 3005A	6J23019
Silver	7440-22-4	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Thallium	7440-28-0	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Vanadium	7440-62-2	40	U	10.0	40	ug/L	EPA 6010B	EPA 3005A	6J23019
Zinc	7440-66-6	50	U	10.0	50	ug/L	EPA 6010B	EPA 3005A	6J23019

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ANALYTICAL REPORT

Sample ID:	MW-20	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C603833-06	Work Order #:	C603833
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	10/28/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J27006		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	1.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	5 U	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	1.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	1.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	1.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	1.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	1.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	1.0	5	ug/L
2-Butanone	78-93-3	100 U	5.0	100	ug/L
2-Hexanone	591-78-6	50 U	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	5.0	100	ug/L
Acetone	67-64-1	100 U	5.0	100	ug/L
Acrylonitrile	107-13-1	200 U	5.0	200	ug/L
Benzene	71-43-2	5 U	1.0	5	ug/L
Bromochloromethane	74-97-5	5 U	1.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	0.40	5	ug/L
Bromoform	75-25-2	5 U	1.0	5	ug/L
Bromomethane	74-83-9	10 U	1.0	10	ug/L
Carbon disulfide	75-15-0	100 U	5.0	100	ug/L
Carbon tetrachloride	56-23-5	10 U	1.0	10	ug/L
Chlorobenzene	108-90-7	5 U	1.0	5	ug/L
Chloroethane	75-00-3	10 U	1.0	10	ug/L
Chloroform	67-66-3	5 U	1.0	5	ug/L
Chloromethane	74-87-3	10 U	1.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	0.20	10	ug/L
Dibromochloromethane	124-48-1	5 U	1.0	5	ug/L
Dibromomethane	74-95-3	10 U	1.0	10	ug/L
Ethylbenzene	100-41-4	5 U	1.0	5	ug/L
Iodomethane	74-88-4	10 U	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	2.0	5	ug/L
Methylene chloride	75-09-2	10 U	2.0	10	ug/L
o-Xylene	95-47-6	5 U	1.0	5	ug/L
Styrene	100-42-5	10 U	1.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	1.0	5	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-20	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C603833-06	Work Order #:	C603833
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	10/28/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J27006		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
Toluene	108-88-3	5 U	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	5 U	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	10 U	0.20	10	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	100 U	1.0	100	ug/L
Trichloroethene	79-01-6	5 U	1.0	5	ug/L
Trichlorofluoromethane	75-69-4	5 U	1.0	5	ug/L
Vinyl acetate	108-05-4	50 U	2.0	50	ug/L
Vinyl chloride	75-01-4	10 U	1.0	10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	45	50.0	89 %	70-130
Dibromofluoromethane	1868-53-7	57	50.0	113 %	73-138
Toluene-d8	2037-26-5	53	50.0	106 %	77-118

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ANALYTICAL REPORT

Sample ID: MW-20
Lab #: C603833-06

Project: White Street Landfill Appl Monitoring Well
Work Order #: C603833
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results		MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	30	U	10.0	30	ug/L	EPA 6010B	EPA 3005A	6J23019
Arsenic	7440-38-2	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Barium	7440-39-3	500	U	10.0	500	ug/L	EPA 6010B	EPA 3005A	6J23019
Beryllium	7440-41-7	2	U	1.00	2	ug/L	EPA 6010B	EPA 3005A	6J23019
Cadmium	7440-43-9	1	U	1.00	1	ug/L	EPA 6010B	EPA 3005A	6J23019
Chromium	7440-47-3	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Cobalt	7440-48-4	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Copper	7440-50-8	200	U	10.0	200	ug/L	EPA 6010B	EPA 3005A	6J23019
Lead	7439-92-1	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Nickel	7440-02-0	50	U	10.0	50	ug/L	EPA 6010B	EPA 3005A	6J23019
Selenium	7782-49-2	20	U	10.0	20	ug/L	EPA 6010B	EPA 3005A	6J23019
Silver	7440-22-4	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Thallium	7440-28-0	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Vanadium	7440-62-2	40	U	10.0	40	ug/L	EPA 6010B	EPA 3005A	6J23019
Zinc	7440-66-6	50	U	10.0	50	ug/L	EPA 6010B	EPA 3005A	6J23019

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ANALYTICAL REPORT

Sample ID:	MW-21	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C603833-07	Work Order #:	C603833
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	10/29/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J28002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	1.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	5 U	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	1.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	1.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	1.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	1.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	1.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	1.0	5	ug/L
2-Butanone	78-93-3	100 U	5.0	100	ug/L
2-Hexanone	591-78-6	50 U	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	5.0	100	ug/L
Acetone	67-64-1	100 U	5.0	100	ug/L
Acrylonitrile	107-13-1	200 U	5.0	200	ug/L
Benzene	71-43-2	5 U	1.0	5	ug/L
Bromochloromethane	74-97-5	5 U	1.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	0.40	5	ug/L
Bromoform	75-25-2	5 U	1.0	5	ug/L
Bromomethane	74-83-9	10 U	1.0	10	ug/L
Carbon disulfide	75-15-0	100 U	5.0	100	ug/L
Carbon tetrachloride	56-23-5	10 U	1.0	10	ug/L
Chlorobenzene	108-90-7	5 U	1.0	5	ug/L
Chloroethane	75-00-3	10 U	1.0	10	ug/L
Chloroform	67-66-3	5 U	1.0	5	ug/L
Chloromethane	74-87-3	10 U	1.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	0.20	10	ug/L
Dibromochloromethane	124-48-1	5 U	1.0	5	ug/L
Dibromomethane	74-95-3	10 U	1.0	10	ug/L
Ethylbenzene	100-41-4	5 U	1.0	5	ug/L
Iodomethane	74-88-4	10 U	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	2.0	5	ug/L
Methylene chloride	75-09-2	10 U	2.0	10	ug/L
o-Xylene	95-47-6	5 U	1.0	5	ug/L
Styrene	100-42-5	10 U	1.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	1.0	5	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-21	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C603833-07	Work Order #:	C603833
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	10/29/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J28002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
Toluene	108-88-3	5 U	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	5 U	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	10 U	0.20	10	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	100 U	1.0	100	ug/L
Trichloroethene	79-01-6	5 U	1.0	5	ug/L
Trichlorofluoromethane	75-69-4	5 U	1.0	5	ug/L
Vinyl acetate	108-05-4	50 U	2.0	50	ug/L
Vinyl chloride	75-01-4	10 U	1.0	10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	45	50.0	90 %	70-130
Dibromofluoromethane	1868-53-7	55	50.0	110 %	73-138
Toluene-d8	2037-26-5	55	50.0	111 %	77-118

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ANALYTICAL REPORT

Sample ID:	MW-21	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C603833-07	Work Order #:	C603833
		Matrix:	Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results		MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	30	U	10.0	30	ug/L	EPA 6010B	EPA 3005A	6J23019
Arsenic	7440-38-2	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Barium	7440-39-3	500	U	10.0	500	ug/L	EPA 6010B	EPA 3005A	6J23019
Beryllium	7440-41-7	2	U	1.00	2	ug/L	EPA 6010B	EPA 3005A	6J23019
Cadmium	7440-43-9	1	U	1.00	1	ug/L	EPA 6010B	EPA 3005A	6J23019
Chromium	7440-47-3	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Cobalt	7440-48-4	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Copper	7440-50-8	200	U	10.0	200	ug/L	EPA 6010B	EPA 3005A	6J23019
Lead	7439-92-1	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Nickel	7440-02-0	50	U	10.0	50	ug/L	EPA 6010B	EPA 3005A	6J23019
Selenium	7782-49-2	20	U	10.0	20	ug/L	EPA 6010B	EPA 3005A	6J23019
Silver	7440-22-4	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Thallium	7440-28-0	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Vanadium	7440-62-2	40	U	10.0	40	ug/L	EPA 6010B	EPA 3005A	6J23019
Zinc	7440-66-6	50	U	10.0	50	ug/L	EPA 6010B	EPA 3005A	6J23019

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ANALYTICAL REPORT

Sample ID:	MW-22	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C603833-08	Work Order #:	C603833
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	10/29/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J28002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	1.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	5 U	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	1.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	1.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	1.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	1.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	1.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	1.0	5	ug/L
2-Butanone	78-93-3	100 U	5.0	100	ug/L
2-Hexanone	591-78-6	50 U	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	5.0	100	ug/L
Acetone	67-64-1	100 U	5.0	100	ug/L
Acrylonitrile	107-13-1	200 U	5.0	200	ug/L
Benzene	71-43-2	5 U	1.0	5	ug/L
Bromochloromethane	74-97-5	5 U	1.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	0.40	5	ug/L
Bromoform	75-25-2	5 U	1.0	5	ug/L
Bromomethane	74-83-9	10 U	1.0	10	ug/L
Carbon disulfide	75-15-0	100 U	5.0	100	ug/L
Carbon tetrachloride	56-23-5	10 U	1.0	10	ug/L
Chlorobenzene	108-90-7	5 U	1.0	5	ug/L
Chloroethane	75-00-3	10 U	1.0	10	ug/L
Chloroform	67-66-3	5 U	1.0	5	ug/L
Chloromethane	74-87-3	10 U	1.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	0.20	10	ug/L
Dibromochloromethane	124-48-1	5 U	1.0	5	ug/L
Dibromomethane	74-95-3	10 U	1.0	10	ug/L
Ethylbenzene	100-41-4	5 U	1.0	5	ug/L
Iodomethane	74-88-4	10 U	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	2.0	5	ug/L
Methylene chloride	75-09-2	10 U	2.0	10	ug/L
o-Xylene	95-47-6	5 U	1.0	5	ug/L
Styrene	100-42-5	10 U	1.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	1.0	5	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-22	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C603833-08	Work Order #:	C603833
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	10/29/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J28002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
Toluene	108-88-3	5 U	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	5 U	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	10 U	0.20	10	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	100 U	1.0	100	ug/L
Trichloroethene	79-01-6	5 U	1.0	5	ug/L
Trichlorofluoromethane	75-69-4	5 U	1.0	5	ug/L
Vinyl acetate	108-05-4	50 U	2.0	50	ug/L
Vinyl chloride	75-01-4	10 U	1.0	10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	45	50.0	90 %	70-130
Dibromofluoromethane	1868-53-7	54	50.0	107 %	73-138
Toluene-d8	2037-26-5	53	50.0	107 %	77-118

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ANALYTICAL REPORT

Sample ID: MW-22
Lab #: C603833-08

Project: White Street Landfill Appl Monitoring Well
Work Order #: C603833
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results		MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	30	U	10.0	30	ug/L	EPA 6010B	EPA 3005A	6J23019
Arsenic	7440-38-2	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Barium	7440-39-3	500	U	10.0	500	ug/L	EPA 6010B	EPA 3005A	6J23019
Beryllium	7440-41-7	2	U	1.00	2	ug/L	EPA 6010B	EPA 3005A	6J23019
Cadmium	7440-43-9	1	U	1.00	1	ug/L	EPA 6010B	EPA 3005A	6J23019
Chromium	7440-47-3	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Cobalt	7440-48-4	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Copper	7440-50-8	200	U	10.0	200	ug/L	EPA 6010B	EPA 3005A	6J23019
Lead	7439-92-1	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Nickel	7440-02-0	50	U	10.0	50	ug/L	EPA 6010B	EPA 3005A	6J23019
Selenium	7782-49-2	20	U	10.0	20	ug/L	EPA 6010B	EPA 3005A	6J23019
Silver	7440-22-4	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Thallium	7440-28-0	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Vanadium	7440-62-2	40	U	10.0	40	ug/L	EPA 6010B	EPA 3005A	6J23019
Zinc	7440-66-6	50	U	10.0	50	ug/L	EPA 6010B	EPA 3005A	6J23019

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ANALYTICAL REPORT

Sample ID:	MW-23	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C603833-09	Work Order #:	C603833
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	10/29/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J28002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	1.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	5 U	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	1.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	1.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	1.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	1.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	1.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	1.0	5	ug/L
2-Butanone	78-93-3	100 U	5.0	100	ug/L
2-Hexanone	591-78-6	50 U	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	5.0	100	ug/L
Acetone	67-64-1	100 U	5.0	100	ug/L
Acrylonitrile	107-13-1	200 U	5.0	200	ug/L
Benzene	71-43-2	5 U	1.0	5	ug/L
Bromochloromethane	74-97-5	5 U	1.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	0.40	5	ug/L
Bromoform	75-25-2	5 U	1.0	5	ug/L
Bromomethane	74-83-9	10 U	1.0	10	ug/L
Carbon disulfide	75-15-0	100 U	5.0	100	ug/L
Carbon tetrachloride	56-23-5	10 U	1.0	10	ug/L
Chlorobenzene	108-90-7	5 U	1.0	5	ug/L
Chloroethane	75-00-3	10 U	1.0	10	ug/L
Chloroform	67-66-3	5 U	1.0	5	ug/L
Chloromethane	74-87-3	10 U	1.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	0.20	10	ug/L
Dibromochloromethane	124-48-1	5 U	1.0	5	ug/L
Dibromomethane	74-95-3	10 U	1.0	10	ug/L
Ethylbenzene	100-41-4	5 U	1.0	5	ug/L
Iodomethane	74-88-4	10 U	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	2.0	5	ug/L
Methylene chloride	75-09-2	10 U	2.0	10	ug/L
o-Xylene	95-47-6	5 U	1.0	5	ug/L
Styrene	100-42-5	10 U	1.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	1.0	5	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-23	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C603833-09	Work Order #:	C603833
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	10/29/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J28002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
Toluene	108-88-3	5 U	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	5 U	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	10 U	0.20	10	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	100 U	1.0	100	ug/L
Trichloroethene	79-01-6	5 U	1.0	5	ug/L
Trichlorofluoromethane	75-69-4	5 U	1.0	5	ug/L
Vinyl acetate	108-05-4	50 U	2.0	50	ug/L
Vinyl chloride	75-01-4	10 U	1.0	10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	47	50.0	95 %	70-130
Dibromofluoromethane	1868-53-7	54	50.0	109 %	73-138
Toluene-d8	2037-26-5	54	50.0	108 %	77-118

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ANALYTICAL REPORT

Sample ID: MW-23
Lab #: C603833-09

Project: White Street Landfill Appl Monitoring Well
Work Order #: C603833
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results		MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	30	U	10.0	30	ug/L	EPA 6010B	EPA 3005A	6J23019
Arsenic	7440-38-2	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Barium	7440-39-3	500	U	10.0	500	ug/L	EPA 6010B	EPA 3005A	6J23019
Beryllium	7440-41-7	2	U	1.00	2	ug/L	EPA 6010B	EPA 3005A	6J23019
Cadmium	7440-43-9	1	U	1.00	1	ug/L	EPA 6010B	EPA 3005A	6J23019
Chromium	7440-47-3	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Cobalt	7440-48-4	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Copper	7440-50-8	200	U	10.0	200	ug/L	EPA 6010B	EPA 3005A	6J23019
Lead	7439-92-1	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Nickel	7440-02-0	50	U	10.0	50	ug/L	EPA 6010B	EPA 3005A	6J23019
Selenium	7782-49-2	20	U	10.0	20	ug/L	EPA 6010B	EPA 3005A	6J23019
Silver	7440-22-4	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Thallium	7440-28-0	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Vanadium	7440-62-2	40	U	10.0	40	ug/L	EPA 6010B	EPA 3005A	6J23019
Zinc	7440-66-6	50	U	10.0	50	ug/L	EPA 6010B	EPA 3005A	6J23019

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ANALYTICAL REPORT

Sample ID:	MW-24	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C603833-10	Work Order #:	C603833
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	10/29/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J28002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	1.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	5 U	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	1.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	1.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	1.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	1.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	1.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	1.0	5	ug/L
2-Butanone	78-93-3	100 U	5.0	100	ug/L
2-Hexanone	591-78-6	50 U	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	5.0	100	ug/L
Acetone	67-64-1	100 U	5.0	100	ug/L
Acrylonitrile	107-13-1	200 U	5.0	200	ug/L
Benzene	71-43-2	5 U	1.0	5	ug/L
Bromochloromethane	74-97-5	5 U	1.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	0.40	5	ug/L
Bromoform	75-25-2	5 U	1.0	5	ug/L
Bromomethane	74-83-9	10 U	1.0	10	ug/L
Carbon disulfide	75-15-0	100 U	5.0	100	ug/L
Carbon tetrachloride	56-23-5	10 U	1.0	10	ug/L
Chlorobenzene	108-90-7	5 U	1.0	5	ug/L
Chloroethane	75-00-3	10 U	1.0	10	ug/L
Chloroform	67-66-3	5 U	1.0	5	ug/L
Chloromethane	74-87-3	10 U	1.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	0.20	10	ug/L
Dibromochloromethane	124-48-1	5 U	1.0	5	ug/L
Dibromomethane	74-95-3	10 U	1.0	10	ug/L
Ethylbenzene	100-41-4	5 U	1.0	5	ug/L
Iodomethane	74-88-4	10 U	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	2.0	5	ug/L
Methylene chloride	75-09-2	10 U	2.0	10	ug/L
o-Xylene	95-47-6	5 U	1.0	5	ug/L
Styrene	100-42-5	10 U	1.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	1.0	5	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-24	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C603833-10	Work Order #:	C603833
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	10/29/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J28002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
Toluene	108-88-3	5 U	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	5 U	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	10 U	0.20	10	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	100 U	1.0	100	ug/L
Trichloroethene	79-01-6	5 U	1.0	5	ug/L
Trichlorofluoromethane	75-69-4	5 U	1.0	5	ug/L
Vinyl acetate	108-05-4	50 U	2.0	50	ug/L
Vinyl chloride	75-01-4	10 U	1.0	10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	47	50.0	94 %	70-130
Dibromofluoromethane	1868-53-7	56	50.0	113 %	73-138
Toluene-d8	2037-26-5	58	50.0	116 %	77-118

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ANALYTICAL REPORT

Sample ID: MW-24
Lab #: C603833-10

Project: White Street Landfill Appl Monitoring Well
Work Order #: C603833
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results		MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	30	U	10.0	30	ug/L	EPA 6010B	EPA 3005A	6J23019
Arsenic	7440-38-2	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Barium	7440-39-3	500	U	10.0	500	ug/L	EPA 6010B	EPA 3005A	6J23019
Beryllium	7440-41-7	2	U	1.00	2	ug/L	EPA 6010B	EPA 3005A	6J23019
Cadmium	7440-43-9	1	U	1.00	1	ug/L	EPA 6010B	EPA 3005A	6J23019
Chromium	7440-47-3	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Cobalt	7440-48-4	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Copper	7440-50-8	200	U	10.0	200	ug/L	EPA 6010B	EPA 3005A	6J23019
Lead	7439-92-1	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Nickel	7440-02-0	50	U	10.0	50	ug/L	EPA 6010B	EPA 3005A	6J23019
Selenium	7782-49-2	20	U	10.0	20	ug/L	EPA 6010B	EPA 3005A	6J23019
Silver	7440-22-4	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Thallium	7440-28-0	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Vanadium	7440-62-2	40	U	10.0	40	ug/L	EPA 6010B	EPA 3005A	6J23019
Zinc	7440-66-6	50	U	10.0	50	ug/L	EPA 6010B	EPA 3005A	6J23019

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ANALYTICAL REPORT

Sample ID:	MW-25	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C603833-11	Work Order #:	C603833
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	10/29/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J28002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	1.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	5 U	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	1.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	1.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	1.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	1.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	1.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	1.0	5	ug/L
2-Butanone	78-93-3	100 U	5.0	100	ug/L
2-Hexanone	591-78-6	50 U	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	5.0	100	ug/L
Acetone	67-64-1	100 U	5.0	100	ug/L
Acrylonitrile	107-13-1	200 U	5.0	200	ug/L
Benzene	71-43-2	5 U	1.0	5	ug/L
Bromochloromethane	74-97-5	5 U	1.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	0.40	5	ug/L
Bromoform	75-25-2	5 U	1.0	5	ug/L
Bromomethane	74-83-9	10 U	1.0	10	ug/L
Carbon disulfide	75-15-0	100 U	5.0	100	ug/L
Carbon tetrachloride	56-23-5	10 U	1.0	10	ug/L
Chlorobenzene	108-90-7	5 U	1.0	5	ug/L
Chloroethane	75-00-3	10 U	1.0	10	ug/L
Chloroform	67-66-3	5 U	1.0	5	ug/L
Chloromethane	74-87-3	10 U	1.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	0.20	10	ug/L
Dibromochloromethane	124-48-1	5 U	1.0	5	ug/L
Dibromomethane	74-95-3	10 U	1.0	10	ug/L
Ethylbenzene	100-41-4	5 U	1.0	5	ug/L
Iodomethane	74-88-4	10 U	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	2.0	5	ug/L
Methylene chloride	75-09-2	10 U	2.0	10	ug/L
o-Xylene	95-47-6	5 U	1.0	5	ug/L
Styrene	100-42-5	10 U	1.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	1.0	5	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-25	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C603833-11	Work Order #:	C603833
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	10/29/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J28002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
Toluene	108-88-3	5 U	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	5 U	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	10 U	0.20	10	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	100 U	1.0	100	ug/L
Trichloroethene	79-01-6	5 U	1.0	5	ug/L
Trichlorofluoromethane	75-69-4	5 U	1.0	5	ug/L
Vinyl acetate	108-05-4	50 U	2.0	50	ug/L
Vinyl chloride	75-01-4	10 U	1.0	10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	46	50.0	93 %	70-130
Dibromofluoromethane	1868-53-7	56	50.0	113 %	73-138
Toluene-d8	2037-26-5	59	50.0	118 %	77-118

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ANALYTICAL REPORT

Sample ID: MW-25
Lab #: C603833-11

Project: White Street Landfill Appl Monitoring Well
Work Order #: C603833
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results		MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	30	U	10.0	30	ug/L	EPA 6010B	EPA 3005A	6J23019
Arsenic	7440-38-2	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Barium	7440-39-3	500	U	10.0	500	ug/L	EPA 6010B	EPA 3005A	6J23019
Beryllium	7440-41-7	2	U	1.00	2	ug/L	EPA 6010B	EPA 3005A	6J23019
Cadmium	7440-43-9	1	U	1.00	1	ug/L	EPA 6010B	EPA 3005A	6J23019
Chromium	7440-47-3	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Cobalt	7440-48-4	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Copper	7440-50-8	200	U	10.0	200	ug/L	EPA 6010B	EPA 3005A	6J23019
Lead	7439-92-1	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Nickel	7440-02-0	50	U	10.0	50	ug/L	EPA 6010B	EPA 3005A	6J23019
Selenium	7782-49-2	20	U	10.0	20	ug/L	EPA 6010B	EPA 3005A	6J23019
Silver	7440-22-4	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Thallium	7440-28-0	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Vanadium	7440-62-2	40	U	10.0	40	ug/L	EPA 6010B	EPA 3005A	6J23019
Zinc	7440-66-6	50	U	10.0	50	ug/L	EPA 6010B	EPA 3005A	6J23019

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ANALYTICAL REPORT

Sample ID:	MW-25B	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C603833-12	Work Order #:	C603833
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	10/29/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J28002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	1.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	5 U	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	1.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	1.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	1.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	1.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	1.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	1.0	5	ug/L
2-Butanone	78-93-3	100 U	5.0	100	ug/L
2-Hexanone	591-78-6	50 U	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	5.0	100	ug/L
Acetone	67-64-1	100 U	5.0	100	ug/L
Acrylonitrile	107-13-1	200 U	5.0	200	ug/L
Benzene	71-43-2	5 U	1.0	5	ug/L
Bromochloromethane	74-97-5	5 U	1.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	0.40	5	ug/L
Bromoform	75-25-2	5 U	1.0	5	ug/L
Bromomethane	74-83-9	10 U	1.0	10	ug/L
Carbon disulfide	75-15-0	100 U	5.0	100	ug/L
Carbon tetrachloride	56-23-5	10 U	1.0	10	ug/L
Chlorobenzene	108-90-7	5 U	1.0	5	ug/L
Chloroethane	75-00-3	10 U	1.0	10	ug/L
Chloroform	67-66-3	5 U	1.0	5	ug/L
Chloromethane	74-87-3	10 U	1.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	0.20	10	ug/L
Dibromochloromethane	124-48-1	5 U	1.0	5	ug/L
Dibromomethane	74-95-3	10 U	1.0	10	ug/L
Ethylbenzene	100-41-4	5 U	1.0	5	ug/L
Iodomethane	74-88-4	10 U	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	2.0	5	ug/L
Methylene chloride	75-09-2	10 U	2.0	10	ug/L
o-Xylene	95-47-6	5 U	1.0	5	ug/L
Styrene	100-42-5	10 U	1.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	1.0	5	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-25B	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C603833-12	Work Order #:	C603833
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	10/29/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J28002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
Toluene	108-88-3	5 U	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	5 U	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	10 U	0.20	10	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	100 U	1.0	100	ug/L
Trichloroethene	79-01-6	5 U	1.0	5	ug/L
Trichlorofluoromethane	75-69-4	5 U	1.0	5	ug/L
Vinyl acetate	108-05-4	50 U	2.0	50	ug/L
Vinyl chloride	75-01-4	10 U	1.0	10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	44	50.0	87 %	70-130
Dibromofluoromethane	1868-53-7	56	50.0	111 %	73-138
Toluene-d8	2037-26-5	57	50.0	114 %	77-118

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ANALYTICAL REPORT

Sample ID:	MW-25B	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C603833-12	Work Order #:	C603833
		Matrix:	Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	30 U	10.0	30	ug/L	EPA 6010B	EPA 3005A	6J23019
Arsenic	7440-38-2	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Barium	7440-39-3	500 U	10.0	500	ug/L	EPA 6010B	EPA 3005A	6J23019
Beryllium	7440-41-7	2 U	1.00	2	ug/L	EPA 6010B	EPA 3005A	6J23019
Cadmium	7440-43-9	1 U	1.00	1	ug/L	EPA 6010B	EPA 3005A	6J23019
Chromium	7440-47-3	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Cobalt	7440-48-4	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Copper	7440-50-8	200 U	10.0	200	ug/L	EPA 6010B	EPA 3005A	6J23019
Lead	7439-92-1	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Nickel	7440-02-0	50 U	10.0	50	ug/L	EPA 6010B	EPA 3005A	6J23019
Selenium	7782-49-2	20 U	10.0	20	ug/L	EPA 6010B	EPA 3005A	6J23019
Silver	7440-22-4	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Thallium	7440-28-0	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Vanadium	7440-62-2	40 U	10.0	40	ug/L	EPA 6010B	EPA 3005A	6J23019
Zinc	7440-66-6	50 U	10.0	50	ug/L	EPA 6010B	EPA 3005A	6J23019

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ANALYTICAL REPORT

Sample ID:	SW-1	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C603833-13	Work Order #:	C603833
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	11/02/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6K01001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	1.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	5 U	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	1.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	1.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	1.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	1.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	1.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	1.0	5	ug/L
2-Butanone	78-93-3	100 U	5.0	100	ug/L
2-Hexanone	591-78-6	50 U	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	5.0	100	ug/L
Acetone	67-64-1	100 U	5.0	100	ug/L
Acrylonitrile	107-13-1	200 U	5.0	200	ug/L
Benzene	71-43-2	5 U	1.0	5	ug/L
Bromochloromethane	74-97-5	5 U	1.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	0.40	5	ug/L
Bromoform	75-25-2	5 U	1.0	5	ug/L
Bromomethane	74-83-9	10 U	1.0	10	ug/L
Carbon disulfide	75-15-0	100 U	5.0	100	ug/L
Carbon tetrachloride	56-23-5	10 U	1.0	10	ug/L
Chlorobenzene	108-90-7	5 U	1.0	5	ug/L
Chloroethane	75-00-3	10 U	1.0	10	ug/L
Chloroform	67-66-3	5 U	1.0	5	ug/L
Chloromethane	74-87-3	10 U	1.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	0.20	10	ug/L
Dibromochloromethane	124-48-1	5 U	1.0	5	ug/L
Dibromomethane	74-95-3	10 U	1.0	10	ug/L
Ethylbenzene	100-41-4	5 U	1.0	5	ug/L
Iodomethane	74-88-4	10 U	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	2.0	5	ug/L
Methylene chloride	75-09-2	10 U	2.0	10	ug/L
o-Xylene	95-47-6	5 U	1.0	5	ug/L
Styrene	100-42-5	10 U	1.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	1.0	5	ug/L

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ANALYTICAL REPORT

Sample ID:	SW-1	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C603833-13	Work Order #:	C603833
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	11/02/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6K01001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
Toluene	108-88-3	5 U	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	5 U	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	10 U	0.20	10	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	100 U	1.0	100	ug/L
Trichloroethene	79-01-6	5 U	1.0	5	ug/L
Trichlorofluoromethane	75-69-4	5 U	1.0	5	ug/L
Vinyl acetate	108-05-4	50 U	2.0	50	ug/L
Vinyl chloride	75-01-4	10 U	1.0	10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	40	50.0	79 %	70-130
Dibromofluoromethane	1868-53-7	54	50.0	108 %	73-138
Toluene-d8	2037-26-5	56	50.0	112 %	77-118

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ANALYTICAL REPORT

Sample ID: SW-1
Lab #: C603833-13

Project: White Street Landfill Appl Monitoring Well
Work Order #: C603833
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results		MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	30	U	10.0	30	ug/L	EPA 6010B	EPA 3005A	6J23019
Arsenic	7440-38-2	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Barium	7440-39-3	500	U	10.0	500	ug/L	EPA 6010B	EPA 3005A	6J23019
Beryllium	7440-41-7	2	U	1.00	2	ug/L	EPA 6010B	EPA 3005A	6J23019
Cadmium	7440-43-9	1	U	1.00	1	ug/L	EPA 6010B	EPA 3005A	6J23019
Chromium	7440-47-3	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Cobalt	7440-48-4	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Copper	7440-50-8	200	U	10.0	200	ug/L	EPA 6010B	EPA 3005A	6J23019
Lead	7439-92-1	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Nickel	7440-02-0	50	U	10.0	50	ug/L	EPA 6010B	EPA 3005A	6J23019
Selenium	7782-49-2	20	U	10.0	20	ug/L	EPA 6010B	EPA 3005A	6J23019
Silver	7440-22-4	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Thallium	7440-28-0	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Vanadium	7440-62-2	40	U	10.0	40	ug/L	EPA 6010B	EPA 3005A	6J23019
Zinc	7440-66-6	50	U	10.0	50	ug/L	EPA 6010B	EPA 3005A	6J23019

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ANALYTICAL REPORT

Sample ID:	SW-2	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C603833-14	Work Order #:	C603833
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	11/02/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6K01001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	1.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	5 U	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	1.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	1.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	1.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	1.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	1.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	1.0	5	ug/L
2-Butanone	78-93-3	100 U	5.0	100	ug/L
2-Hexanone	591-78-6	50 U	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	5.0	100	ug/L
Acetone	67-64-1	100 U	5.0	100	ug/L
Acrylonitrile	107-13-1	200 U	5.0	200	ug/L
Benzene	71-43-2	5 U	1.0	5	ug/L
Bromochloromethane	74-97-5	5 U	1.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	0.40	5	ug/L
Bromoform	75-25-2	5 U	1.0	5	ug/L
Bromomethane	74-83-9	10 U	1.0	10	ug/L
Carbon disulfide	75-15-0	100 U	5.0	100	ug/L
Carbon tetrachloride	56-23-5	10 U	1.0	10	ug/L
Chlorobenzene	108-90-7	5 U	1.0	5	ug/L
Chloroethane	75-00-3	10 U	1.0	10	ug/L
Chloroform	67-66-3	5 U	1.0	5	ug/L
Chloromethane	74-87-3	10 U	1.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	0.20	10	ug/L
Dibromochloromethane	124-48-1	5 U	1.0	5	ug/L
Dibromomethane	74-95-3	10 U	1.0	10	ug/L
Ethylbenzene	100-41-4	5 U	1.0	5	ug/L
Iodomethane	74-88-4	10 U	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	2.0	5	ug/L
Methylene chloride	75-09-2	10 U	2.0	10	ug/L
o-Xylene	95-47-6	5 U	1.0	5	ug/L
Styrene	100-42-5	10 U	1.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	1.0	5	ug/L

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ANALYTICAL REPORT

Sample ID:	SW-2	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C603833-14	Work Order #:	C603833
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	11/02/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6K01001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
Toluene	108-88-3	5 U	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	5 U	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	10 U	0.20	10	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	100 U	1.0	100	ug/L
Trichloroethene	79-01-6	5 U	1.0	5	ug/L
Trichlorofluoromethane	75-69-4	5 U	1.0	5	ug/L
Vinyl acetate	108-05-4	50 U	2.0	50	ug/L
Vinyl chloride	75-01-4	10 U	1.0	10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	41	50.0	82 %	70-130
Dibromofluoromethane	1868-53-7	53	50.0	106 %	73-138
Toluene-d8	2037-26-5	56	50.0	111 %	77-118

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ANALYTICAL REPORT

Sample ID: SW-2
Lab #: C603833-14

Project: White Street Landfill Appl Monitoring Well
Work Order #: C603833
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results		MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	30	U	10.0	30	ug/L	EPA 6010B	EPA 3005A	6J23019
Arsenic	7440-38-2	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Barium	7440-39-3	500	U	10.0	500	ug/L	EPA 6010B	EPA 3005A	6J23019
Beryllium	7440-41-7	2	U	1.00	2	ug/L	EPA 6010B	EPA 3005A	6J23019
Cadmium	7440-43-9	1	U	1.00	1	ug/L	EPA 6010B	EPA 3005A	6J23019
Chromium	7440-47-3	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Cobalt	7440-48-4	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Copper	7440-50-8	200	U	10.0	200	ug/L	EPA 6010B	EPA 3005A	6J23019
Lead	7439-92-1	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Nickel	7440-02-0	50	U	10.0	50	ug/L	EPA 6010B	EPA 3005A	6J23019
Selenium	7782-49-2	20	U	10.0	20	ug/L	EPA 6010B	EPA 3005A	6J23019
Silver	7440-22-4	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Thallium	7440-28-0	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Vanadium	7440-62-2	40	U	10.0	40	ug/L	EPA 6010B	EPA 3005A	6J23019
Zinc	7440-66-6	50	U	10.0	50	ug/L	EPA 6010B	EPA 3005A	6J23019

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ANALYTICAL REPORT

Sample ID:	SW-3	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C603833-15	Work Order #:	C603833
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	11/02/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6K01001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	1.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	5 U	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	1.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	1.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	1.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	1.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	1.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	1.0	5	ug/L
2-Butanone	78-93-3	100 U	5.0	100	ug/L
2-Hexanone	591-78-6	50 U	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	5.0	100	ug/L
Acetone	67-64-1	100 U	5.0	100	ug/L
Acrylonitrile	107-13-1	200 U	5.0	200	ug/L
Benzene	71-43-2	5 U	1.0	5	ug/L
Bromochloromethane	74-97-5	5 U	1.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	0.40	5	ug/L
Bromoform	75-25-2	5 U	1.0	5	ug/L
Bromomethane	74-83-9	10 U	1.0	10	ug/L
Carbon disulfide	75-15-0	100 U	5.0	100	ug/L
Carbon tetrachloride	56-23-5	10 U	1.0	10	ug/L
Chlorobenzene	108-90-7	5 U	1.0	5	ug/L
Chloroethane	75-00-3	10 U	1.0	10	ug/L
Chloroform	67-66-3	5 U	1.0	5	ug/L
Chloromethane	74-87-3	10 U	1.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	0.20	10	ug/L
Dibromochloromethane	124-48-1	5 U	1.0	5	ug/L
Dibromomethane	74-95-3	10 U	1.0	10	ug/L
Ethylbenzene	100-41-4	5 U	1.0	5	ug/L
Iodomethane	74-88-4	10 U	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	2.0	5	ug/L
Methylene chloride	75-09-2	10 U	2.0	10	ug/L
o-Xylene	95-47-6	5 U	1.0	5	ug/L
Styrene	100-42-5	10 U	1.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	1.0	5	ug/L

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ANALYTICAL REPORT

Sample ID:	SW-3	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C603833-15	Work Order #:	C603833
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	11/02/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6K01001		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
Toluene	108-88-3	5 U	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	5 U	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	10 U	0.20	10	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	100 U	1.0	100	ug/L
Trichloroethene	79-01-6	5 U	1.0	5	ug/L
Trichlorofluoromethane	75-69-4	5 U	1.0	5	ug/L
Vinyl acetate	108-05-4	50 U	2.0	50	ug/L
Vinyl chloride	75-01-4	10 U	1.0	10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	40	50.0	80 %	70-130
Dibromofluoromethane	1868-53-7	54	50.0	108 %	73-138
Toluene-d8	2037-26-5	57	50.0	113 %	77-118

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ANALYTICAL REPORT

Sample ID: SW-3
Lab #: C603833-15

Project: White Street Landfill Appl Monitoring Well
Work Order #: C603833
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	30 U	10.0	30	ug/L	EPA 6010B	EPA 3005A	6J23019
Arsenic	7440-38-2	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Barium	7440-39-3	500 U	10.0	500	ug/L	EPA 6010B	EPA 3005A	6J23019
Beryllium	7440-41-7	2 U	1.00	2	ug/L	EPA 6010B	EPA 3005A	6J23019
Cadmium	7440-43-9	1 U	1.00	1	ug/L	EPA 6010B	EPA 3005A	6J23019
Chromium	7440-47-3	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Cobalt	7440-48-4	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Copper	7440-50-8	200 U	10.0	200	ug/L	EPA 6010B	EPA 3005A	6J23019
Lead	7439-92-1	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Nickel	7440-02-0	50 U	10.0	50	ug/L	EPA 6010B	EPA 3005A	6J23019
Selenium	7782-49-2	20 U	10.0	20	ug/L	EPA 6010B	EPA 3005A	6J23019
Silver	7440-22-4	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Thallium	7440-28-0	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Vanadium	7440-62-2	40 U	10.0	40	ug/L	EPA 6010B	EPA 3005A	6J23019
Zinc	7440-66-6	60.9	10.0	50	ug/L	EPA 6010B	EPA 3005A	6J23019

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ANALYTICAL REPORT

Sample ID:	DUPLICATE-III	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C603833-18	Work Order #:	C603833
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	10/29/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J28002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	1.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	5 U	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	1.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	1.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	1.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	1.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	1.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	1.0	5	ug/L
2-Butanone	78-93-3	100 U	5.0	100	ug/L
2-Hexanone	591-78-6	50 U	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	5.0	100	ug/L
Acetone	67-64-1	100 U	5.0	100	ug/L
Acrylonitrile	107-13-1	200 U	5.0	200	ug/L
Benzene	71-43-2	5 U	1.0	5	ug/L
Bromochloromethane	74-97-5	5 U	1.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	0.40	5	ug/L
Bromoform	75-25-2	5 U	1.0	5	ug/L
Bromomethane	74-83-9	10 U	1.0	10	ug/L
Carbon disulfide	75-15-0	100 U	5.0	100	ug/L
Carbon tetrachloride	56-23-5	10 U	1.0	10	ug/L
Chlorobenzene	108-90-7	5 U	1.0	5	ug/L
Chloroethane	75-00-3	10 U	1.0	10	ug/L
Chloroform	67-66-3	5 U	1.0	5	ug/L
Chloromethane	74-87-3	10 U	1.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	0.20	10	ug/L
Dibromochloromethane	124-48-1	5 U	1.0	5	ug/L
Dibromomethane	74-95-3	10 U	1.0	10	ug/L
Ethylbenzene	100-41-4	5 U	1.0	5	ug/L
Iodomethane	74-88-4	10 U	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	2.0	5	ug/L
Methylene chloride	75-09-2	10 U	2.0	10	ug/L
o-Xylene	95-47-6	5 U	1.0	5	ug/L
Styrene	100-42-5	10 U	1.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	1.0	5	ug/L

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ANALYTICAL REPORT

Sample ID:	DUPLICATE-III	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C603833-18	Work Order #:	C603833
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	10/29/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J28002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
Toluene	108-88-3	5 U	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	5 U	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	10 U	0.20	10	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	100 U	1.0	100	ug/L
Trichloroethene	79-01-6	5 U	1.0	5	ug/L
Trichlorofluoromethane	75-69-4	5 U	1.0	5	ug/L
Vinyl acetate	108-05-4	50 U	2.0	50	ug/L
Vinyl chloride	75-01-4	10 U	1.0	10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	44	50.0	89 %	70-130
Dibromofluoromethane	1868-53-7	56	50.0	112 %	73-138
Toluene-d8	2037-26-5	54	50.0	108 %	77-118

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ANALYTICAL REPORT

Sample ID: DUPLICATE-III
Lab #: C603833-18

Project: White Street Landfill Appl Monitoring Well
Work Order #: C603833
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	30 U	10.0	30	ug/L	EPA 6010B	EPA 3005A	6J23019
Arsenic	7440-38-2	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Barium	7440-39-3	500 U	10.0	500	ug/L	EPA 6010B	EPA 3005A	6J23019
Beryllium	7440-41-7	2 U	1.00	2	ug/L	EPA 6010B	EPA 3005A	6J23019
Cadmium	7440-43-9	1 U	1.00	1	ug/L	EPA 6010B	EPA 3005A	6J23019
Chromium	7440-47-3	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Cobalt	7440-48-4	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Copper	7440-50-8	200 U	10.0	200	ug/L	EPA 6010B	EPA 3005A	6J23019
Lead	7439-92-1	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Nickel	7440-02-0	50 U	10.0	50	ug/L	EPA 6010B	EPA 3005A	6J23019
Selenium	7782-49-2	20 U	10.0	20	ug/L	EPA 6010B	EPA 3005A	6J23019
Silver	7440-22-4	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Thallium	7440-28-0	10 U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6J23019
Vanadium	7440-62-2	40 U	10.0	40	ug/L	EPA 6010B	EPA 3005A	6J23019
Zinc	7440-66-6	50 U	10.0	50	ug/L	EPA 6010B	EPA 3005A	6J23019

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ANALYTICAL REPORT

Sample ID:	Trip Blank#3	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C603833-19	Work Order #:	C603833
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	10/26/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J26003		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	1.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	5 U	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	1.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	1.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	1.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	1.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	1.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	1.0	5	ug/L
2-Butanone	78-93-3	100 U	5.0	100	ug/L
2-Hexanone	591-78-6	50 U	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	5.0	100	ug/L
Acetone	67-64-1	100 U	5.0	100	ug/L
Acrylonitrile	107-13-1	200 U	5.0	200	ug/L
Benzene	71-43-2	5 U	1.0	5	ug/L
Bromochloromethane	74-97-5	5 U	1.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	0.40	5	ug/L
Bromoform	75-25-2	5 U	1.0	5	ug/L
Bromomethane	74-83-9	10 U	1.0	10	ug/L
Carbon disulfide	75-15-0	100 U	5.0	100	ug/L
Carbon tetrachloride	56-23-5	10 U	1.0	10	ug/L
Chlorobenzene	108-90-7	5 U	1.0	5	ug/L
Chloroethane	75-00-3	10 U	1.0	10	ug/L
Chloroform	67-66-3	5 U	1.0	5	ug/L
Chloromethane	74-87-3	10 U	1.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	0.20	10	ug/L
Dibromochloromethane	124-48-1	5 U	1.0	5	ug/L
Dibromomethane	74-95-3	10 U	1.0	10	ug/L
Ethylbenzene	100-41-4	5 U	1.0	5	ug/L
Iodomethane	74-88-4	10 U	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	2.0	5	ug/L
Methylene chloride	75-09-2	10 U	2.0	10	ug/L
o-Xylene	95-47-6	5 U	1.0	5	ug/L
Styrene	100-42-5	10 U	1.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	1.0	5	ug/L

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ANALYTICAL REPORT

Sample ID:	Trip Blank#3	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C603833-19	Work Order #:	C603833
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	10/26/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6J26003		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
Toluene	108-88-3	5 U	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	5 U	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	10 U	0.20	10	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	100 U	1.0	100	ug/L
Trichloroethene	79-01-6	5 U	1.0	5	ug/L
Trichlorofluoromethane	75-69-4	5 U	1.0	5	ug/L
Vinyl acetate	108-05-4	50 U	2.0	50	ug/L
Vinyl chloride	75-01-4	10 U	1.0	10	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	50	50.0	100 %	70-130
Dibromofluoromethane	1868-53-7	61	50.0	122 %	73-138
Toluene-d8	2037-26-5	57	50.0	114 %	77-118

QUALITY CONTROL

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

Volatile Organic Compounds by GCMS - Quality Control

Batch 6J26003 - EPA 5030B_MS

Blank (6J26003-BLK1) Prepared: 10/26/2006 08:52 Analyzed: 10/26/2006 11:20

Acetone	5.0 U	5.0	ug/L							
Acrylonitrile	5.0 U	5.0	ug/L							
Benzene	1.0 U	1.0	ug/L							
2-Butanone	5.0 U	5.0	ug/L							
2-Hexanone	5.0 U	5.0	ug/L							
Iodomethane	2.0 U	2.0	ug/L							
Tetrachloroethene	1.0 U	1.0	ug/L							
4-Methyl-2-pentanone	5.0 U	5.0	ug/L							
Bromochloromethane	1.0 U	1.0	ug/L							
Trichloroethene	1.0 U	1.0	ug/L							
Bromodichloromethane	0.40 U	0.40	ug/L							
Bromoform	1.0 U	1.0	ug/L							
Bromomethane	1.0 U	1.0	ug/L							
Carbon disulfide	5.0 U	5.0	ug/L							
Carbon tetrachloride	1.0 U	1.0	ug/L							
Chlorobenzene	1.0 U	1.0	ug/L							
Chloroethane	1.0 U	1.0	ug/L							
Chloroform	1.0 U	1.0	ug/L							
Chloromethane	1.0 U	1.0	ug/L							
Dibromochloromethane	1.0 U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	1.0 U	1.0	ug/L							
1,2-Dibromoethane	1.0 U	1.0	ug/L							
Dibromomethane	1.0 U	1.0	ug/L							
1,2-Dichlorobenzene	1.0 U	1.0	ug/L							
1,4-Dichlorobenzene	1.0 U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	1.0 U	1.0	ug/L							
1,1-Dichloroethane	1.0 U	1.0	ug/L							
1,2-Dichloroethane	1.0 U	1.0	ug/L							
1,1-Dichloroethene	1.0 U	1.0	ug/L							
cis-1,2-Dichloroethene	1.0 U	1.0	ug/L							
trans-1,2-Dichloroethene	1.0 U	1.0	ug/L							
1,2-Dichloropropane	1.0 U	1.0	ug/L							
cis-1,3-Dichloropropene	0.20 U	0.20	ug/L							
trans-1,3-Dichloropropene	0.20 U	0.20	ug/L							
Ethylbenzene	1.0 U	1.0	ug/L							
Methylene chloride	2.0 U	2.0	ug/L							
Styrene	1.0 U	1.0	ug/L							
1,1,1,2-Tetrachloroethane	1.0 U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	1.0 U	1.0	ug/L							
Toluene	1.0 U	1.0	ug/L							

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Volatile Organic Compounds by GCMS - Quality Control										
Batch 6J26003 - EPA 5030B_MS										
Blank (6J26003-BLK1) Continued				Prepared: 10/26/2006 08:52 Analyzed: 10/26/2006 11:20						
1,1,1-Trichloroethane	1.0 U	1.0	ug/L							
1,1,2-Trichloroethane	1.0 U	1.0	ug/L							
Trichlorofluoromethane	1.0 U	1.0	ug/L							
1,2,3-Trichloropropane	1.0 U	1.0	ug/L							
Vinyl acetate	2.0 U	2.0	ug/L							
Vinyl chloride	1.0 U	1.0	ug/L							
m,p-Xylenes	2.0 U	2.0	ug/L							
o-Xylene	1.0 U	1.0	ug/L							
Surrogate: Toluene-d8	*58*		*ug/L*	*50.0*		*116*	*77-118*			
Surrogate: 4-Bromofluorobenzene	*46*		*ug/L*	*50.0*		*91*	*70-130*			
Surrogate: Dibromofluoromethane	*63*		*ug/L*	*50.0*		*125*	*73-138*			
LCS (6J26003-BS1)				Prepared: 10/26/2006 08:52 Analyzed: 10/26/2006 20:10						
Benzene	18	1.0	ug/L	20.0		91	69-115			
Trichloroethene	18	1.0	ug/L	20.0		90	74-118			
Chlorobenzene	20	1.0	ug/L	20.0		100	76-118			
1,1-Dichloroethene	24	1.0	ug/L	20.0		120	64-139			
Toluene	19	1.0	ug/L	20.0		93	77-117			
Matrix Spike (6J26003-MS1)		**Source: C603999-07**		Prepared: 10/26/2006 08:52 Analyzed: 10/26/2006 20:36						
Benzene	22	1.0	ug/L	20.0	1.0 U	111	53-150			
Trichloroethene	20	1.0	ug/L	20.0	1.0 U	101	64-124			
Chlorobenzene	23	1.0	ug/L	20.0	1.0 U	114	44-128			
1,1-Dichloroethene	26	1.0	ug/L	20.0	1.0 U	128	36-177			
Toluene	21	1.0	ug/L	20.0	1.0 U	106	40-161			
Matrix Spike Dup (6J26003-MSD1)		**Source: C603999-07**		Prepared: 10/26/2006 08:52 Analyzed: 10/26/2006 21:02						
Benzene	21	1.0	ug/L	20.0	1.0 U	104	53-150	6	23	
Trichloroethene	20	1.0	ug/L	20.0	1.0 U	99	64-124	2	25	
Chlorobenzene	22	1.0	ug/L	20.0	1.0 U	109	44-128	5	22	
1,1-Dichloroethene	25	1.0	ug/L	20.0	1.0 U	124	36-177	3	30	
Toluene	19	1.0	ug/L	20.0	1.0 U	95	40-161	11	23	
Batch 6J27006 - EPA 5030B_MS										
Blank (6J27006-BLK1)				Prepared: 10/27/2006 08:44 Analyzed: 10/27/2006 22:19						
Acetone	5.0 U	5.0	ug/L							
Acrylonitrile	5.0 U	5.0	ug/L							
Benzene	1.0 U	1.0	ug/L							
2-Butanone	5.0 U	5.0	ug/L							
2-Hexanone	5.0 U	5.0	ug/L							
Iodomethane	2.0 U	2.0	ug/L							
Tetrachloroethene	1.0 U	1.0	ug/L							
4-Methyl-2-pentanone	5.0 U	5.0	ug/L							

QUALITY CONTROL

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

Volatile Organic Compounds by GCMS - Quality Control

Batch 6J27006 - EPA 5030B_MS

Blank (6J27006-BLK1) Continued Prepared: 10/27/2006 08:44 Analyzed: 10/27/2006 22:19

Bromochloromethane	1.0 U	1.0	ug/L
Trichloroethene	1.0 U	1.0	ug/L
Bromodichloromethane	0.40 U	0.40	ug/L
Bromoform	1.0 U	1.0	ug/L
Bromomethane	1.0 U	1.0	ug/L
Carbon disulfide	5.0 U	5.0	ug/L
Carbon tetrachloride	1.0 U	1.0	ug/L
Chlorobenzene	1.0 U	1.0	ug/L
Chloroethane	1.0 U	1.0	ug/L
Chloroform	1.0 U	1.0	ug/L
Chloromethane	1.0 U	1.0	ug/L
Dibromochloromethane	1.0 U	1.0	ug/L
1,2-Dibromo-3-chloropropane	1.0 U	1.0	ug/L
1,2-Dibromoethane	1.0 U	1.0	ug/L
Dibromomethane	1.0 U	1.0	ug/L
1,2-Dichlorobenzene	1.0 U	1.0	ug/L
1,4-Dichlorobenzene	1.0 U	1.0	ug/L
trans-1,4-Dichloro-2-butene	1.0 U	1.0	ug/L
1,1-Dichloroethane	1.0 U	1.0	ug/L
1,2-Dichloroethane	1.0 U	1.0	ug/L
1,1-Dichloroethene	1.0 U	1.0	ug/L
cis-1,2-Dichloroethene	1.0 U	1.0	ug/L
trans-1,2-Dichloroethene	1.0 U	1.0	ug/L
1,2-Dichloropropane	1.0 U	1.0	ug/L
cis-1,3-Dichloropropene	0.20 U	0.20	ug/L
trans-1,3-Dichloropropene	0.20 U	0.20	ug/L
Ethylbenzene	1.0 U	1.0	ug/L
Methylene chloride	2.0 U	2.0	ug/L
Styrene	1.0 U	1.0	ug/L
1,1,1,2-Tetrachloroethane	1.0 U	1.0	ug/L
1,1,2,2-Tetrachloroethane	1.0 U	1.0	ug/L
Toluene	1.0 U	1.0	ug/L
1,1,1-Trichloroethane	1.0 U	1.0	ug/L
1,1,2-Trichloroethane	1.0 U	1.0	ug/L
Trichlorofluoromethane	1.0 U	1.0	ug/L
1,2,3-Trichloropropane	1.0 U	1.0	ug/L
Vinyl acetate	2.0 U	2.0	ug/L
Vinyl chloride	1.0 U	1.0	ug/L
m,p-Xylenes	2.0 U	2.0	ug/L
o-Xylene	1.0 U	1.0	ug/L

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Volatile Organic Compounds by GCMS - Quality Control										
Batch 6J27006 - EPA 5030B_MS										
LCS (6J27006-BS1)				Prepared: 10/27/2006 08:44 Analyzed: 10/28/2006 07:11						
Benzene	21	1.0	ug/L	20.0		104	69-115			
Trichloroethene	21	1.0	ug/L	20.0		105	74-118			
Chlorobenzene	23	1.0	ug/L	20.0		114	76-118			
1,1-Dichloroethene	23	1.0	ug/L	20.0		116	64-139			
Toluene	21	1.0	ug/L	20.0		105	77-117			
Matrix Spike (6J27006-MS1)		**Source: C603737-01**		Prepared: 10/27/2006 08:44 Analyzed: 10/28/2006 07:37						
Benzene	20	1.0	ug/L	20.0	1.0 U	101	53-150			
Trichloroethene	20	1.0	ug/L	20.0	1.0 U	98	64-124			
Chlorobenzene	22	1.0	ug/L	20.0	1.0 U	111	44-128			
1,1-Dichloroethene	23	1.0	ug/L	20.0	1.0 U	117	36-177			
Toluene	20	1.0	ug/L	20.0	1.0 U	101	40-161			
Matrix Spike Dup (6J27006-MSD1)		**Source: C603737-01**		Prepared: 10/27/2006 08:44 Analyzed: 10/28/2006 08:04						
Benzene	22	1.0	ug/L	20.0	1.0 U	109	53-150	8	23	
Trichloroethene	20	1.0	ug/L	20.0	1.0 U	99	64-124	1	25	
Chlorobenzene	22	1.0	ug/L	20.0	1.0 U	111	44-128	0.05	22	
1,1-Dichloroethene	23	1.0	ug/L	20.0	1.0 U	115	36-177	2	30	
Toluene	20	1.0	ug/L	20.0	1.0 U	99	40-161	2	23	
Batch 6J28002 - EPA 5030B_MS										
Blank (6J28002-BLK1)				Prepared: 10/28/2006 10:35 Analyzed: 10/29/2006 01:28						
Acetone	5.0 U	5.0	ug/L							
Acrylonitrile	5.0 U	5.0	ug/L							
Benzene	1.0 U	1.0	ug/L							
2-Butanone	5.0 U	5.0	ug/L							
2-Hexanone	5.0 U	5.0	ug/L							
Iodomethane	2.0 U	2.0	ug/L							
Tetrachloroethene	1.0 U	1.0	ug/L							
4-Methyl-2-pentanone	5.0 U	5.0	ug/L							
Bromochloromethane	1.0 U	1.0	ug/L							
Trichloroethene	1.0 U	1.0	ug/L							
Bromodichloromethane	0.40 U	0.40	ug/L							
Bromoform	1.0 U	1.0	ug/L							
Bromomethane	1.0 U	1.0	ug/L							
Carbon disulfide	5.0 U	5.0	ug/L							
Carbon tetrachloride	1.0 U	1.0	ug/L							
Chlorobenzene	1.0 U	1.0	ug/L							
Chloroethane	1.0 U	1.0	ug/L							
Chloroform	1.0 U	1.0	ug/L							
Chloromethane	1.0 U	1.0	ug/L							
Dibromochloromethane	1.0 U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	1.0 U	1.0	ug/L							

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Volatile Organic Compounds by GCMS - Quality Control										
Batch 6J28002 - EPA 5030B_MS										
Blank (6J28002-BLK1) Continued				Prepared: 10/28/2006 10:35 Analyzed: 10/29/2006 01:28						
1,2-Dibromoethane	1.0 U	1.0	ug/L							
Dibromomethane	1.0 U	1.0	ug/L							
1,2-Dichlorobenzene	1.0 U	1.0	ug/L							
1,4-Dichlorobenzene	1.0 U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	1.0 U	1.0	ug/L							
1,1-Dichloroethane	1.0 U	1.0	ug/L							
1,2-Dichloroethane	1.0 U	1.0	ug/L							
1,1-Dichloroethene	1.0 U	1.0	ug/L							
cis-1,2-Dichloroethene	1.0 U	1.0	ug/L							
trans-1,2-Dichloroethene	1.0 U	1.0	ug/L							
1,2-Dichloropropane	1.0 U	1.0	ug/L							
cis-1,3-Dichloropropene	0.20 U	0.20	ug/L							
trans-1,3-Dichloropropene	0.20 U	0.20	ug/L							
Ethylbenzene	1.0 U	1.0	ug/L							
Methylene chloride	2.0 U	2.0	ug/L							
Styrene	1.0 U	1.0	ug/L							
1,1,1,2-Tetrachloroethane	1.0 U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	1.0 U	1.0	ug/L							
Toluene	1.0 U	1.0	ug/L							
1,1,1-Trichloroethane	1.0 U	1.0	ug/L							
1,1,2-Trichloroethane	1.0 U	1.0	ug/L							
Trichlorofluoromethane	1.0 U	1.0	ug/L							
1,2,3-Trichloropropane	1.0 U	1.0	ug/L							
Vinyl acetate	2.0 U	2.0	ug/L							
Vinyl chloride	1.0 U	1.0	ug/L							
m,p-Xylenes	2.0 U	2.0	ug/L							
o-Xylene	1.0 U	1.0	ug/L							
Surrogate: Toluene-d8	*56*		*ug/L*	*50.0*		*112*	*77-118*			
Surrogate: 4-Bromofluorobenzene	*47*		*ug/L*	*50.0*		*94*	*70-130*			
Surrogate: Dibromofluoromethane	*53*		*ug/L*	*50.0*		*106*	*73-138*			
LCS (6J28002-BS1)				Prepared: 10/28/2006 10:35 Analyzed: 10/29/2006 10:21						
Benzene	22	1.0	ug/L	20.0		112	69-115			
Trichloroethene	21	1.0	ug/L	20.0		106	74-118			
Chlorobenzene	22	1.0	ug/L	20.0		111	76-118			
1,1-Dichloroethene	24	1.0	ug/L	20.0		119	64-139			
Toluene	20	1.0	ug/L	20.0		102	77-117			
Matrix Spike (6J28002-MS1)		**Source: C603558-02**		Prepared: 10/28/2006 10:35 Analyzed: 10/29/2006 09:47						
Benzene	22	1.0	ug/L	20.0	1.0 U	108	53-150			
Trichloroethene	19	1.0	ug/L	20.0	1.1	90	64-124			
Chlorobenzene	22	1.0	ug/L	20.0	1.0 U	108	44-128			

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Volatile Organic Compounds by GCMS - Quality Control										
Batch 6J28002 - EPA 5030B_MS										
Matrix Spike (6J28002-MS1) Continued		**Source: C603558-02**		Prepared: 10/28/2006 10:35 Analyzed: 10/29/2006 09:47						
1,1-Dichloroethene	23	1.0	ug/L	20.0	1.8	108	36-177			
Toluene	19	1.0	ug/L	20.0	1.0 U	94	40-161			
Matrix Spike Dup (6J28002-MSD1)		**Source: C603558-02**		Prepared: 10/28/2006 10:35 Analyzed: 10/29/2006 10:14						
Benzene	20	1.0	ug/L	20.0	1.0 U	102	53-150	6	23	
Trichloroethene	19	1.0	ug/L	20.0	1.1	88	64-124	2	25	
Chlorobenzene	22	1.0	ug/L	20.0	1.0 U	110	44-128	2	22	
1,1-Dichloroethene	24	1.0	ug/L	20.0	1.8	110	36-177	2	30	
Toluene	19	1.0	ug/L	20.0	1.0 U	94	40-161	0.5	23	
Batch 6K01001 - EPA 5030B_MS										
Blank (6K01001-BLK1)				Prepared: 11/01/2006 05:20 Analyzed: 11/01/2006 07:15						
Acetone	5.0 U	5.0	ug/L							
Acrylonitrile	5.0 U	5.0	ug/L							
Benzene	1.0 U	1.0	ug/L							
2-Butanone	5.0 U	5.0	ug/L							
2-Hexanone	5.0 U	5.0	ug/L							
Iodomethane	2.0 U	2.0	ug/L							
Tetrachloroethene	1.0 U	1.0	ug/L							
4-Methyl-2-pentanone	5.0 U	5.0	ug/L							
Bromochloromethane	1.0 U	1.0	ug/L							
Trichloroethene	1.0 U	1.0	ug/L							
Bromodichloromethane	0.40 U	0.40	ug/L							
Bromoform	1.0 U	1.0	ug/L							
Bromomethane	1.0 U	1.0	ug/L							
Carbon disulfide	5.0 U	5.0	ug/L							
Carbon tetrachloride	1.0 U	1.0	ug/L							
Chlorobenzene	1.0 U	1.0	ug/L							
Chloroethane	1.0 U	1.0	ug/L							
Chloroform	1.0 U	1.0	ug/L							
Chloromethane	1.0 U	1.0	ug/L							
Dibromochloromethane	1.0 U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	1.0 U	1.0	ug/L							
1,2-Dibromoethane	1.0 U	1.0	ug/L							
Dibromomethane	1.0 U	1.0	ug/L							
1,2-Dichlorobenzene	1.0 U	1.0	ug/L							
1,4-Dichlorobenzene	1.0 U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	1.0 U	1.0	ug/L							
1,1-Dichloroethane	1.0 U	1.0	ug/L							
1,2-Dichloroethane	1.0 U	1.0	ug/L							
1,1-Dichloroethene	1.0 U	1.0	ug/L							
cis-1,2-Dichloroethene	1.0 U	1.0	ug/L							

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Volatile Organic Compounds by GCMS - Quality Control										
Batch 6K01001 - EPA 5030B_MS										
Blank (6K01001-BLK1) Continued				Prepared: 11/01/2006 05:20 Analyzed: 11/01/2006 07:15						
trans-1,2-Dichloroethene	1.0 U	1.0	ug/L							
1,2-Dichloropropane	1.0 U	1.0	ug/L							
cis-1,3-Dichloropropene	0.20 U	0.20	ug/L							
trans-1,3-Dichloropropene	0.20 U	0.20	ug/L							
Ethylbenzene	1.0 U	1.0	ug/L							
Methylene chloride	2.0 U	2.0	ug/L							
Styrene	1.0 U	1.0	ug/L							
1,1,1,2-Tetrachloroethane	1.0 U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	1.0 U	1.0	ug/L							
Toluene	1.0 U	1.0	ug/L							
1,1,1-Trichloroethane	1.0 U	1.0	ug/L							
1,1,2-Trichloroethane	1.0 U	1.0	ug/L							
Trichlorofluoromethane	1.0 U	1.0	ug/L							
1,2,3-Trichloropropane	1.0 U	1.0	ug/L							
Vinyl acetate	2.0 U	2.0	ug/L							
Vinyl chloride	1.0 U	1.0	ug/L							
m,p-Xylenes	2.0 U	2.0	ug/L							
o-Xylene	1.0 U	1.0	ug/L							
LCS (6K01001-BS1)				Prepared: 11/01/2006 05:20 Analyzed: 11/02/2006 13:00						
Benzene	23	1.0	ug/L	20.0		115	69-115			
Trichloroethene	22	1.0	ug/L	20.0		111	74-118			
Chlorobenzene	18	1.0	ug/L	20.0		92	76-118			
1,1-Dichloroethene	26	1.0	ug/L	20.0		128	64-139			
Toluene	19	1.0	ug/L	20.0		94	77-117			
Matrix Spike (6K01001-MS1)		**Source: C604091-02**		Prepared: 11/01/2006 05:20 Analyzed: 11/02/2006 13:25						
Benzene	21	1.0	ug/L	20.0	1.0 U	104	53-150			
Trichloroethene	19	1.0	ug/L	20.0	1.0 U	96	64-124			
Chlorobenzene	18	1.0	ug/L	20.0	1.0 U	89	44-128			
1,1-Dichloroethene	26	1.0	ug/L	20.0	1.0 U	128	36-177			
Toluene	20	1.0	ug/L	20.0	1.0 U	98	40-161			
Matrix Spike Dup (6K01001-MSD1)		**Source: C604091-02**		Prepared: 11/01/2006 05:20 Analyzed: 11/02/2006 13:51						
Benzene	21	1.0	ug/L	20.0	1.0 U	106	53-150	1	23	
Trichloroethene	20	1.0	ug/L	20.0	1.0 U	98	64-124	1	25	
Chlorobenzene	18	1.0	ug/L	20.0	1.0 U	92	44-128	3	22	
1,1-Dichloroethene	25	1.0	ug/L	20.0	1.0 U	126	36-177	1	30	
Toluene	19	1.0	ug/L	20.0	1.0 U	94	40-161	4	23	
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 6J23019 - EPA 3005A										
Blank (6J23019-BLK1)				Prepared: 10/23/2006 11:32 Analyzed: 10/27/2006 09:47						

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 6J23019 - EPA 3005A										
Blank (6J23019-BLK1) Continued				Prepared: 10/23/2006 11:32 Analyzed: 10/27/2006 09:47						
Antimony	10.0 U	10.0	ug/L							
Arsenic	10.0 U	10.0	ug/L							
Barium	10.0 U	10.0	ug/L							
Beryllium	1.00 U	1.00	ug/L							
Cadmium	1.00 U	1.00	ug/L							
Chromium	10.0 U	10.0	ug/L							
Cobalt	10.0 U	10.0	ug/L							
Copper	10.0 U	10.0	ug/L							
Lead	10.0 U	10.0	ug/L							
Nickel	10.0 U	10.0	ug/L							
Selenium	10.0 U	10.0	ug/L							
Silver	10.0 U	10.0	ug/L							
Thallium	10.0 U	10.0	ug/L							
Vanadium	10.0 U	10.0	ug/L							
Zinc	10.0 U	10.0	ug/L							
LCS (6J23019-BS1)				Prepared: 10/23/2006 11:32 Analyzed: 10/27/2006 09:54						
Antimony	552	10.0	ug/L	500		110	82-119			
Arsenic	1100	10.0	ug/L	1000		110	82-117			
Barium	1120	10.0	ug/L	1000		112	72-125			
Beryllium	568	1.00	ug/L	500		114	75-121			
Cadmium	553	1.00	ug/L	500		111	72-120			
Chromium	1100	10.0	ug/L	1000		110	78-119			
Cobalt	1090	10.0	ug/L	1000		109	76-117			
Copper	554	10.0	ug/L	500		111	80-117			
Lead	1110	10.0	ug/L	1000		111	72-121			
Nickel	1090	10.0	ug/L	1000		109	78-116			
Selenium	1120	10.0	ug/L	1000		112	82-127			
Silver	106	10.0	ug/L	100		106	80-128			
Thallium	555	10.0	ug/L	500		111	79-118			
Vanadium	543	10.0	ug/L	500		109	78-117			
Zinc	1090	10.0	ug/L	1000		109	80-120			
Matrix Spike (6J23019-MS1)		**Source: C603833-01**		Prepared: 10/23/2006 11:32 Analyzed: 10/27/2006 10:12						
Antimony	541	10.0	ug/L	500	10.0 U	108	38-138			
Arsenic	1080	10.0	ug/L	1000	2.10	107	64-126			
Barium	1120	10.0	ug/L	1000	34.2	109	74-119			
Beryllium	558	1.00	ug/L	500	1.00 U	112	70-131			
Cadmium	538	1.00	ug/L	500	1.00 U	108	68-121			
Chromium	1070	10.0	ug/L	1000	10.0 U	107	73-120			
Cobalt	1060	10.0	ug/L	1000	10.0 U	106	76-120			
Copper	543	10.0	ug/L	500	10.0 U	109	75-123			

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 6J23019 - EPA 3005A										
Matrix Spike (6J23019-MS1) Continued		**Source: C603833-01**		Prepared: 10/23/2006 11:32 Analyzed: 10/27/2006 10:12						
Lead	1090	10.0	ug/L	1000	10.0 U	109	68-126			
Nickel	1060	10.0	ug/L	1000	10.0 U	106	64-126			
Selenium	1080	10.0	ug/L	1000	10.0 U	108	65-129			
Silver	104	10.0	ug/L	100	10.0 U	104	69-121			
Thallium	544	10.0	ug/L	500	4.40	108	67-135			
Vanadium	523	10.0	ug/L	500	10.0 U	105	71-130			
Zinc	1060	10.0	ug/L	1000	1.00	106	63-131			
Matrix Spike Dup (6J23019-MSD1)		**Source: C603833-01**		Prepared: 10/23/2006 11:32 Analyzed: 10/27/2006 10:19						
Antimony	572	10.0	ug/L	500	10.0 U	114	38-138	6	30	
Arsenic	1140	10.0	ug/L	1000	2.10	113	64-126	6	12	
Barium	1170	10.0	ug/L	1000	34.2	114	74-119	4	11	
Beryllium	587	1.00	ug/L	500	1.00 U	117	70-131	5	21	
Cadmium	565	1.00	ug/L	500	1.00 U	113	68-121	5	12	
Chromium	1120	10.0	ug/L	1000	10.0 U	112	73-120	5	10	
Cobalt	1110	10.0	ug/L	1000	10.0 U	111	76-120	5	17	
Copper	567	10.0	ug/L	500	10.0 U	113	75-123	4	16	
Lead	1140	10.0	ug/L	1000	10.0 U	114	68-126	5	19	
Nickel	1120	10.0	ug/L	1000	10.0 U	112	64-126	5	12	
Selenium	1140	10.0	ug/L	1000	10.0 U	114	65-129	5	10	
Silver	109	10.0	ug/L	100	10.0 U	109	69-121	4	12	
Thallium	571	10.0	ug/L	500	4.40	113	67-135	5	13	
Vanadium	549	10.0	ug/L	500	10.0 U	110	71-130	5	16	
Zinc	1120	10.0	ug/L	1000	1.00	112	63-131	6	24	

NOTES AND DEFINITIONS

U Analyte included in the analysis, but not detected

Laboratory Certification Summary

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

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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

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

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

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

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

___ Standard

___ Expedited

Due ___/___/___

Lab Workorder: C603833

Requested Analyses

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 1	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn									Sample Comments
	MW-15	10/16/06	1615	Grab	Water	4	X	X									
	MW-16	10/16/06	1520	Grab	Water	4	X	X									
	MW-17	10/18/06	0905	Grab	Water	4	X	X									
	MW-18	10/16/06	1745	Grab	Water	4	X	X									
	MW-19	10/18/06	1105	Grab	Water	4	X	X									
	MW-20	10/18/06	1805	Grab	Water	4	X	X									
	MW-21	10/18/06	1710	Grab	Water	4	X	X									
	MW-22	10/18/06	1550	Grab	Water	4	X	X									
	MW-23	10/18/06	1915	Grab	Water	4	X	X									
	MW-24	10/18/06	1455	Grab	Water	4	X	X									
	MW-25	10/18/06	0945	Grab	Water	4	X	X									
	MW-25B	10/18/06	1015	Grab	Water	4	X	X									

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
		[signature]	10/20/06 1335	James Hayes	10/20/06 1335
Comments		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time
		Cooler #'s & Temps on Receipt: 3°C		Condition Upon Receipt: X 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

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

10775 Central Port Dr.
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1015 Passport Way
Cary, NC 27513
(919) 677-1669 Fax (919) 677-9846

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

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

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

___ Standard

___ Expedited

Due ___/___/___

Lab Workorder: C603833

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 1	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn									Sample Comments
	SW-1	10/19/06	0920	Grab	Water	4	X	X									
	SW-2	10/19/06	1020	Grab	Water	4	X	X									
	SW-3	10/19/06	0950	Grab	Water	4	X	X									
	SW-4	10/19/06	1040	Grab	Water	4	X	X									
	SW-5	10/19/06	1330	Grab	Water	4	X	X									
	DUPLICATE-III	10/18/06	0700	Grab	Water	4	X	X									
	Trip Blank#3				Water	3	X										

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time 10/20/06 1335	Received By James Hays	Date/Time 10/20/06 1335
Comments		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time
		Cooler #'s & Temps on Receipt		Condition Upon Receipt: ___ Acceptable ___ Unacceptable	

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

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

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

APPENDIX C

Descriptive Statistics

Basic Statistics
Parameter: Cobalt, total

Total Observations	204
Total Non-Detects	198
Pooled Mean	10.0181
Pooled Std Dev	0.617571
Background Mean	10
Background Std Dev	0

Background Wells
There are 2 background wells

Well	Samples	Non-Detects	% ND	Total
MW-15	17	17	100	170
MW-16	17	17	100	170

Well	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-15	10	0	0	1691.5	99.5
MW-16	10	0	0	1691.5	99.5

Compliance Wells
There are 10 compliance wells

Well	Samples	Non-Detects	% ND	Total
MW-17	17	17	100	170
MW-18	17	14	82.3529	174.7
MW-19	17	16	94.1176	163
MW-20	17	17	100	170
MW-21	17	17	100	170
MW-22	17	17	100	170
MW-23	17	17	100	170
MW-24	17	17	100	170
MW-25	17	16	94.1176	172
MW-25d	17	16	94.1176	174

Well	Mean	Std Dev	Dif From Bk	Std Err	Rank Sum	Rank Mean
MW-17	10	0	0	0.182068	1691.5	99.5
MW-18	10.2765	0.670382	0.276471	0.182068	1996	117.412
MW-19	9.58824	1.69775	-0.411765	0.182068	1791	105.353
MW-20	10	0	0	0.182068	1691.5	99.5
MW-21	10	0	0	0.182068	1691.5	99.5
MW-22	10	0	0	0.182068	1691.5	99.5
MW-23	10	0	0	0.182068	1691.5	99.5
MW-24	10	0	0	0.182068	1691.5	99.5
MW-25	10.1176	0.485071	0.117647	0.182068	1795	105.588
MW-25d	10.2353	0.970143	0.235294	0.182068	1796	105.647

Analysis of Variance Statistics

SS Wells	5.29113
SS Total	77.4229

Kruskal-Wallis Statistics

Non-Detect Rank	99.5
Background Rank Sum	3383
Background Rank Mean	99.5
H Statistic	1.57044
H Adjusted for Ties	18.332

Results

Ascii File: C:\WSLF\SecondSemiAnnual06Phase3
Binary File: C:\WSLF\Stats Calcs\Second06DataPhase3.csd
Facility Name: White Street Landfill
Analyst: CDW
Facility ID:
Parameter Suite:
Start Date: 12/30/1899
End Date: 12/16/2006

Parameter: Cobalt, total

Total Samples: 204
Total Non-Detect: 198
Percent Non-Detects: 97.0588%
Total Background Samples: 34
There are 2 background wells

Well	Samples	ND	% ND	Date	Result
MW-15	17	17	100	12/16/97	ND<10
				01/14/98	ND<10
				02/13/98	ND<10
				03/06/98	ND<10
				10/15/98	ND<10
				03/25/99	ND<10
				09/23/99	ND<10
				03/29/00	ND<10
				09/14/00	ND<10
				03/12/01	ND<10
				10/13/01	ND<10
				03/08/02	ND<10
				09/19/02	ND<10
				04/15/03	ND<10
				10/16/03	ND<10
				03/25/04	ND<10
				10/18/06	ND<10
MW-16	17	17	100	12/16/97	ND<10
				01/14/98	ND<10
				02/13/98	ND<10
				03/06/98	ND<10
				10/15/98	ND<10
				03/25/99	ND<10
				09/23/99	ND<10
				03/29/00	ND<10
				09/14/00	ND<10
				03/12/01	ND<10
				10/13/01	ND<10
				03/08/02	ND<10
				09/19/02	ND<10
				04/15/03	ND<10
				10/16/03	ND<10
				03/25/04	ND<10
				10/18/06	ND<10

There are 10 compliance wells

Well	Samples	ND	% ND	Date	Result
MW-17	17	17	100	12/16/97	ND<10
				01/14/98	ND<10
				02/13/98	ND<10
				03/06/98	ND<10
				10/15/98	ND<10
				03/25/99	ND<10
				09/23/99	ND<10
				03/29/00	ND<10
				09/14/00	ND<10
				03/12/01	ND<10
				10/13/01	ND<10
				03/08/02	ND<10
				09/19/02	ND<10
				04/15/03	ND<10
				10/16/03	ND<10
				03/25/04	ND<10
				10/18/06	ND<10
MW-18	17	14	82.3529	12/16/97	ND<10
				01/14/98	ND<10
				02/13/98	ND<10
				03/06/98	ND<10
				10/15/98	ND<10
				03/25/99	ND<10
				09/23/99	ND<10
				03/29/00	ND<10
				09/14/00	ND<10
				03/12/01	ND<10
				10/13/01	ND<10
				03/08/02	ND<10
				09/19/02	ND<10
				04/15/03	ND<10
				10/16/03	12
				03/25/04	12
				10/18/06	10.7
MW-19	17	16	94.1176	12/16/97	ND<10
				01/14/98	ND<10
				02/13/98	3
				03/06/98	ND<10
				10/15/98	ND<10
				03/25/99	ND<10
				09/23/99	ND<10
				03/29/00	ND<10
				09/14/00	ND<10
				03/12/01	ND<10
				10/13/01	ND<10
				03/08/02	ND<10
				09/19/02	ND<10
				04/15/03	ND<10
				10/16/03	ND<10
				03/25/04	ND<10
				10/18/06	ND<10

MW-20	17	17	100	12/16/97	ND<10
				01/14/98	ND<10
				02/13/98	ND<10
				03/06/98	ND<10
				10/15/98	ND<10
				03/25/99	ND<10
				09/23/99	ND<10
				03/29/00	ND<10
				09/14/00	ND<10
				03/12/01	ND<10
				10/13/01	ND<10
				03/08/02	ND<10
				09/19/02	ND<10
				04/15/03	ND<10
				10/16/03	ND<10
				03/25/04	ND<10
				10/18/06	ND<10
MW-21	17	17	100	12/16/97	ND<10
				01/14/98	ND<10
				02/13/98	ND<10
				03/06/98	ND<10
				10/15/98	ND<10
				03/25/99	ND<10
				09/23/99	ND<10
				03/29/00	ND<10
				09/14/00	ND<10
				03/12/01	ND<10
				10/13/01	ND<10
				03/08/02	ND<10
				09/19/02	ND<10
				04/15/03	ND<10
				10/16/03	ND<10
				03/25/04	ND<10
				10/18/06	ND<10
MW-22	17	17	100	12/16/97	ND<10
				01/14/98	ND<10
				02/13/98	ND<10
				03/06/98	ND<10
				10/15/98	ND<10
				03/25/99	ND<10
				09/23/99	ND<10
				03/29/00	ND<10
				09/14/00	ND<10
				03/12/01	ND<10
				10/13/01	ND<10
				03/08/02	ND<10
				09/19/02	ND<10
				04/15/03	ND<10
				10/16/03	ND<10
				03/25/04	ND<10
				10/18/06	ND<10
MW-23	17	17	100	12/16/97	ND<10
				01/14/98	ND<10
				02/13/98	ND<10

				03/06/98	ND<10
				10/15/98	ND<10
				03/25/99	ND<10
				09/23/99	ND<10
				03/29/00	ND<10
				09/14/00	ND<10
				03/12/01	ND<10
				10/13/01	ND<10
				03/08/02	ND<10
				09/19/02	ND<10
				04/15/03	ND<10
				10/16/03	ND<10
				03/25/04	ND<10
				10/18/06	ND<10
MW-24	17	17	100	12/16/97	ND<10
				01/14/98	ND<10
				02/13/98	ND<10
				03/06/98	ND<10
				10/15/98	ND<10
				03/25/99	ND<10
				09/23/99	ND<10
				03/29/00	ND<10
				09/14/00	ND<10
				03/12/01	ND<10
				10/13/01	ND<10
				03/08/02	ND<10
				09/19/02	ND<10
				04/15/03	ND<10
				10/16/03	ND<10
				03/25/04	ND<10
				10/18/06	ND<10
MW-25	17	16	94.1176	12/16/97	ND<10
				01/14/98	ND<10
				02/13/98	ND<10
				03/06/98	ND<10
				10/15/98	ND<10
				03/25/99	ND<10
				09/23/99	ND<10
				03/29/00	ND<10
				09/14/00	ND<10
				03/12/01	ND<10
				10/13/01	ND<10
				03/08/02	ND<10
				09/19/02	ND<10
				04/15/03	12
				10/16/03	ND<10
				03/25/04	ND<10
				10/18/06	ND<10
MW-25d	17	16	94.1176	12/16/97	ND<10
				01/14/98	ND<10
				02/13/98	ND<10
				03/06/98	ND<10
				10/15/98	ND<10
				03/25/99	ND<10

				09/23/99	ND<10
				03/29/00	ND<10
				09/14/00	ND<10
				03/12/01	ND<10
				10/13/01	ND<10
				03/08/02	ND<10
				09/19/02	ND<10
				04/15/03	14
				10/16/03	ND<10
				03/25/04	ND<10
				10/18/06	ND<10

There are 0 unused wells

Well	Samples	ND	% ND	Date	Result

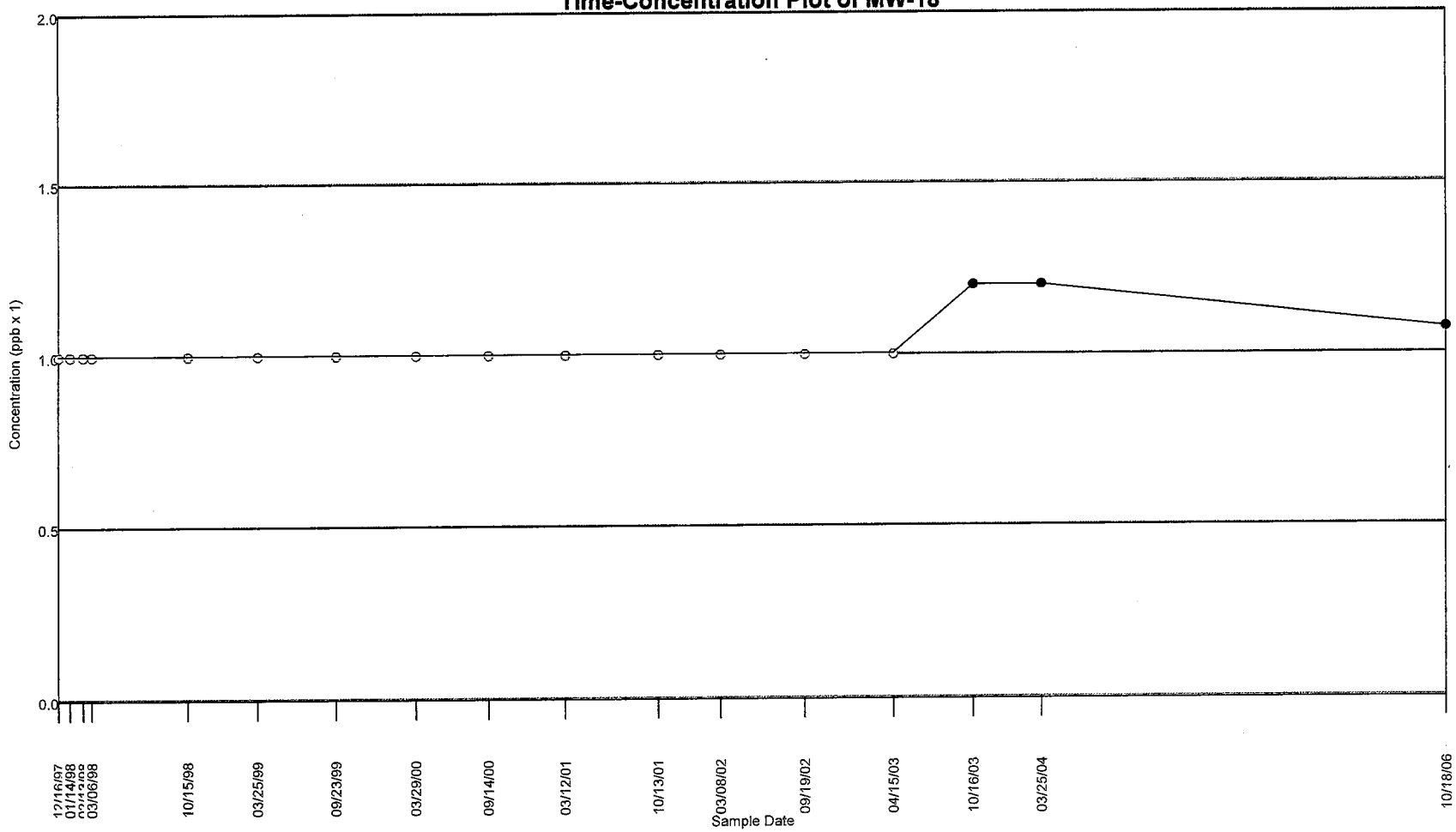
APPENDIX D

Time vs. Concentration Graphs

White Street Landfill

Cobalt, total

Time-Concentration Plot of MW-18



APPENDIX E

Data Distribution Tests

Shapiro-Francia Test of Normality
Parameter: Cobalt, total
All Wells
Normality Test of Parameter Concentrations

Total Sample Size = 204

i	x(i)	m(i)	sum(m^2)	sum(mx)
0	0	0	0	0
1	3	-2.65209	7.03356	-7.95626
2	10	-2.36561	12.6297	-31.6124
3	10	-2.19728	17.4578	-53.5852
4	10	-2.07485	21.7627	-74.3337
5	10	-1.97737	25.6727	-94.1074
6	10	-1.8957	29.2664	-113.064
7	10	-1.82501	32.597	-131.314
8	10	-1.76241	35.7031	-148.939
9	10	-1.71688	38.6508	-166.107
10	10	-1.66456	41.4216	-182.753
11	10	-1.61644	44.0345	-198.917
12	10	-1.57179	46.505	-214.635
13	10	-1.53007	48.8461	-229.936
14	10	-1.49085	51.0687	-244.844
15	10	-1.4538	53.1823	-259.382
16	10	-1.41865	55.1948	-273.569
17	10	-1.39175	57.1318	-287.486
18	10	-1.35946	58.9799	-301.081
19	10	-1.32854	60.745	-314.366
20	10	-1.29884	62.4319	-327.355
21	10	-1.27024	64.0454	-340.057
22	10	-1.24264	65.5896	-352.484
23	10	-1.21596	67.0682	-364.643
24	10	-1.19012	68.4845	-376.544
25	10	-1.17	69.8534	-388.244
26	10	-1.1455	71.1656	-399.699
27	10	-1.12168	72.4238	-410.916
28	10	-1.09847	73.6304	-421.901
29	10	-1.07584	74.7878	-432.659
30	10	-1.05375	75.8982	-443.197
31	10	-1.03215	76.9636	-453.518
32	10	-1.01104	77.9858	-463.629
33	10	-0.994457	78.9747	-473.573
34	10	-0.974114	79.9236	-483.314
35	10	-0.954165	80.834	-492.856
36	10	-0.93459	81.7075	-502.202
37	10	-0.915365	82.5454	-511.356
38	10	-0.896473	83.349	-520.32
39	10	-0.877897	84.1197	-529.099
40	10	-0.859618	84.8587	-537.695
41	10	-0.841621	85.567	-546.112
42	10	-0.827417	86.2516	-554.386
43	10	-0.809896	86.9076	-562.485
44	10	-0.792618	87.5358	-570.411
45	10	-0.775574	88.1373	-578.167
46	10	-0.758753	88.713	-585.754
47	10	-0.742143	89.2638	-593.176
48	10	-0.725736	89.7905	-600.433

49	10	-0.709522	90.2939	-607.528
50	10	-0.696684	90.7793	-614.495
51	10	-0.680797	91.2428	-621.303
52	10	-0.665079	91.6851	-627.954
53	10	-0.649522	92.107	-634.449
54	10	-0.634124	92.5091	-640.79
55	10	-0.618872	92.8921	-646.979
56	10	-0.603765	93.2566	-653.017
57	10	-0.588793	93.6033	-658.905
58	10	-0.576911	93.9361	-664.674
59	10	-0.56217	94.2522	-670.295
60	10	-0.547551	94.552	-675.771
61	10	-0.533048	94.8361	-681.101
62	10	-0.518658	95.1051	-686.288
63	10	-0.504372	95.3595	-691.332
64	10	-0.490189	95.5998	-696.234
65	10	-0.476105	95.8265	-700.995
66	10	-0.464904	96.0426	-705.644
67	10	-0.450985	96.246	-710.154
68	10	-0.437153	96.4371	-714.525
69	10	-0.423405	96.6164	-718.759
70	10	-0.409735	96.7843	-722.856
71	10	-0.396142	96.9412	-726.818
72	10	-0.382622	97.0876	-730.644
73	10	-0.369171	97.2239	-734.336
74	10	-0.358459	97.3524	-737.92
75	10	-0.345126	97.4715	-741.372
76	10	-0.331854	97.5816	-744.69
77	10	-0.318639	97.6831	-747.877
78	10	-0.305481	97.7765	-750.931
79	10	-0.292375	97.8619	-753.855
80	10	-0.279319	97.94	-756.648
81	10	-0.266311	98.0109	-759.311
82	10	-0.253347	98.0751	-761.845
83	10	-0.243007	98.1341	-764.275
84	10	-0.230118	98.1871	-766.576
85	10	-0.217267	98.2343	-768.749
86	10	-0.204452	98.2761	-770.793
87	10	-0.191671	98.3128	-772.71
88	10	-0.17892	98.3448	-774.499
89	10	-0.166199	98.3724	-776.161
90	10	-0.153505	98.396	-777.696
91	10	-0.143367	98.4166	-779.13
92	10	-0.130716	98.4337	-780.437
93	10	-0.118085	98.4476	-781.618
94	10	-0.105474	98.4587	-782.673
95	10	-0.0928787	98.4673	-783.602
96	10	-0.0802981	98.4738	-784.405
97	10	-0.0677301	98.4784	-785.082
98	10	-0.0551734	98.4814	-785.634
99	10	-0.0451348	98.4835	-786.085
100	10	-0.0325917	98.4845	-786.411
101	10	-0.0200544	98.4849	-786.611
102	10	-0.00751925	98.485	-786.687
103	10	0.00751925	98.485	-786.611
104	10	0.0200544	98.4854	-786.411
105	10	0.0325917	98.4865	-786.085

106	10	0.0451348	98.4885	-785.634
107	10	0.0551734	98.4916	-785.082
108	10	0.0677301	98.4962	-784.405
109	10	0.0802981	98.5026	-783.602
110	10	0.0928787	98.5112	-782.673
111	10	0.105474	98.5224	-781.618
112	10	0.118085	98.5363	-780.437
113	10	0.130716	98.5534	-779.13
114	10	0.143367	98.574	-777.696
115	10	0.153505	98.5975	-776.161
116	10	0.166199	98.6251	-774.499
117	10	0.17892	98.6572	-772.71
118	10	0.191671	98.6939	-770.793
119	10	0.204452	98.7357	-768.749
120	10	0.217267	98.7829	-766.576
121	10	0.230118	98.8359	-764.275
122	10	0.243007	98.8949	-761.845
123	10	0.253347	98.9591	-759.311
124	10	0.266311	99.03	-756.648
125	10	0.279319	99.108	-753.855
126	10	0.292375	99.1935	-750.931
127	10	0.305481	99.2868	-747.877
128	10	0.318639	99.3884	-744.69
129	10	0.331854	99.4985	-741.372
130	10	0.345126	99.6176	-737.92
131	10	0.358459	99.7461	-734.336
132	10	0.369171	99.8824	-730.644
133	10	0.382622	100.029	-726.818
134	10	0.396142	100.186	-722.856
135	10	0.409735	100.354	-718.759
136	10	0.423405	100.533	-714.525
137	10	0.437153	100.724	-710.154
138	10	0.450985	100.927	-705.644
139	10	0.464904	101.143	-700.995
140	10	0.476105	101.37	-696.234
141	10	0.490189	101.61	-691.332
142	10	0.504372	101.865	-686.288
143	10	0.518658	102.134	-681.101
144	10	0.533048	102.418	-675.771
145	10	0.547551	102.718	-670.295
146	10	0.56217	103.034	-664.674
147	10	0.576911	103.367	-658.905
148	10	0.588793	103.713	-653.017
149	10	0.603765	104.078	-646.979
150	10	0.618872	104.461	-640.79
151	10	0.634124	104.863	-634.449
152	10	0.649522	105.285	-627.954
153	10	0.665079	105.727	-621.303
154	10	0.680797	106.191	-614.495
155	10	0.696684	106.676	-607.528
156	10	0.709522	107.179	-600.433
157	10	0.725736	107.706	-593.176
158	10	0.742143	108.257	-585.754
159	10	0.758753	108.833	-578.167
160	10	0.775574	109.434	-570.411
161	10	0.792618	110.062	-562.485
162	10	0.809896	110.718	-554.386

163	10	0.827417	111.403	-546.112
164	10	0.841621	112.111	-537.695
165	10	0.859618	112.85	-529.099
166	10	0.877897	113.621	-520.32
167	10	0.896473	114.425	-511.356
168	10	0.915365	115.262	-502.202
169	10	0.93459	116.136	-492.856
170	10	0.954165	117.046	-483.314
171	10	0.974114	117.995	-473.573
172	10	0.994457	118.984	-463.629
173	10	1.01104	120.006	-453.518
174	10	1.03215	121.072	-443.197
175	10	1.05375	122.182	-432.659
176	10	1.07584	123.34	-421.901
177	10	1.09847	124.546	-410.916
178	10	1.12168	125.804	-399.699
179	10	1.1455	127.117	-388.244
180	10	1.17	128.485	-376.544
181	10	1.19012	129.902	-364.643
182	10	1.21596	131.38	-352.484
183	10	1.24264	132.925	-340.057
184	10	1.27024	134.538	-327.355
185	10	1.29884	136.225	-314.366
186	10	1.32854	137.99	-301.081
187	10	1.35946	139.838	-287.486
188	10	1.39175	141.775	-273.569
189	10	1.41865	143.788	-259.382
190	10	1.4538	145.901	-244.844
191	10	1.49085	148.124	-229.936
192	10	1.53007	150.465	-214.635
193	10	1.57179	152.936	-198.917
194	10	1.61644	155.548	-182.753
195	10	1.66456	158.319	-166.107
196	10	1.71688	161.267	-148.939
197	10	1.76241	164.373	-131.314
198	10	1.82501	167.704	-113.064
199	10	1.8957	171.297	-94.1074
200	10.7	1.97737	175.207	-72.9496
201	12	2.07485	179.512	-48.0514
202	12	2.19728	184.34	-21.684
203	12	2.36561	189.936	6.70339

Sample Standard Deviation = 0.617571
Numerator = 44.9355
Denominator = 14705.4 = 203 189.936
W Statistic = 0.00305571
5% Critical value of 0.976 exceeds 0.00305571
Evidence of non-normality at 95% level of significance
1% Critical value of 0.967 exceeds 0.00305571
Evidence of non-normality at 99% level of significance

APPENDIX F

Non-Parametric Upper Tolerance Limit Computations

Non-Parametric Tolerance Interval
Parameter: Cobalt, total

Total Percent Non-Detects = 97.0588%
Background Samples (n) = 34
Maximum Background Concentration = 10
Minimum Coverage = 91.6%
Average Coverage = 97.1429%

Well	Sample	Result	Impacted
MW-17	12/16/97	ND<10	FALSE
MW-17	01/14/98	ND<10	FALSE
MW-17	02/13/98	ND<10	FALSE
MW-17	03/06/98	ND<10	FALSE
MW-17	10/15/98	ND<10	FALSE
MW-17	03/25/99	ND<10	FALSE
MW-17	09/23/99	ND<10	FALSE
MW-17	03/29/00	ND<10	FALSE
MW-17	09/14/00	ND<10	FALSE
MW-17	03/12/01	ND<10	FALSE
MW-17	10/13/01	ND<10	FALSE
MW-17	03/08/02	ND<10	FALSE
MW-17	09/19/02	ND<10	FALSE
MW-17	04/15/03	ND<10	FALSE
MW-17	10/16/03	ND<10	FALSE
MW-17	03/25/04	ND<10	FALSE
MW-17	10/18/06	ND<10	FALSE
MW-18	12/16/97	ND<10	FALSE
MW-18	01/14/98	ND<10	FALSE
MW-18	02/13/98	ND<10	FALSE
MW-18	03/06/98	ND<10	FALSE
MW-18	10/15/98	ND<10	FALSE
MW-18	03/25/99	ND<10	FALSE
MW-18	09/23/99	ND<10	FALSE
MW-18	03/29/00	ND<10	FALSE
MW-18	09/14/00	ND<10	FALSE
MW-18	03/12/01	ND<10	FALSE
MW-18	10/13/01	ND<10	FALSE
MW-18	03/08/02	ND<10	FALSE
MW-18	09/19/02	ND<10	FALSE
MW-18	04/15/03	ND<10	FALSE
MW-18	10/16/03	12	TRUE
MW-18	03/25/04	12	TRUE
MW-18	10/18/06	10.7	TRUE
MW-19	12/16/97	ND<10	FALSE
MW-19	01/14/98	ND<10	FALSE
MW-19	02/13/98	3	FALSE
MW-19	03/06/98	ND<10	FALSE
MW-19	10/15/98	ND<10	FALSE
MW-19	03/25/99	ND<10	FALSE
MW-19	09/23/99	ND<10	FALSE

MW-19	03/29/00	ND<10	FALSE
MW-19	09/14/00	ND<10	FALSE
MW-19	03/12/01	ND<10	FALSE
MW-19	10/13/01	ND<10	FALSE
MW-19	03/08/02	ND<10	FALSE
MW-19	09/19/02	ND<10	FALSE
MW-19	04/15/03	ND<10	FALSE
MW-19	10/16/03	ND<10	FALSE
MW-19	03/25/04	ND<10	FALSE
MW-19	10/18/06	ND<10	FALSE
MW-20	12/16/97	ND<10	FALSE
MW-20	01/14/98	ND<10	FALSE
MW-20	02/13/98	ND<10	FALSE
MW-20	03/06/98	ND<10	FALSE
MW-20	10/15/98	ND<10	FALSE
MW-20	03/25/99	ND<10	FALSE
MW-20	09/23/99	ND<10	FALSE
MW-20	03/29/00	ND<10	FALSE
MW-20	09/14/00	ND<10	FALSE
MW-20	03/12/01	ND<10	FALSE
MW-20	10/13/01	ND<10	FALSE
MW-20	03/08/02	ND<10	FALSE
MW-20	09/19/02	ND<10	FALSE
MW-20	04/15/03	ND<10	FALSE
MW-20	10/16/03	ND<10	FALSE
MW-20	03/25/04	ND<10	FALSE
MW-20	10/18/06	ND<10	FALSE
MW-21	12/16/97	ND<10	FALSE
MW-21	01/14/98	ND<10	FALSE
MW-21	02/13/98	ND<10	FALSE
MW-21	03/06/98	ND<10	FALSE
MW-21	10/15/98	ND<10	FALSE
MW-21	03/25/99	ND<10	FALSE
MW-21	09/23/99	ND<10	FALSE
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MW-21	09/14/00	ND<10	FALSE
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MW-21	03/25/04	ND<10	FALSE
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MW-22	10/15/98	ND<10	FALSE
MW-22	03/25/99	ND<10	FALSE
MW-22	09/23/99	ND<10	FALSE

MW-22	03/29/00	ND<10	FALSE
MW-22	09/14/00	ND<10	FALSE
MW-22	03/12/01	ND<10	FALSE
MW-22	10/13/01	ND<10	FALSE
MW-22	03/08/02	ND<10	FALSE
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MW-22	10/16/03	ND<10	FALSE
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MW-23	03/06/98	ND<10	FALSE
MW-23	10/15/98	ND<10	FALSE
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MW-24	10/16/03	ND<10	FALSE
MW-24	03/25/04	ND<10	FALSE
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MW-25	12/16/97	ND<10	FALSE
MW-25	01/14/98	ND<10	FALSE
MW-25	02/13/98	ND<10	FALSE
MW-25	03/06/98	ND<10	FALSE
MW-25	10/15/98	ND<10	FALSE
MW-25	03/25/99	ND<10	FALSE
MW-25	09/23/99	ND<10	FALSE

MW-25	03/29/00	ND<10	FALSE
MW-25	09/14/00	ND<10	FALSE
MW-25	03/12/01	ND<10	FALSE
MW-25	10/13/01	ND<10	FALSE
MW-25	03/08/02	ND<10	FALSE
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MW-25	10/16/03	ND<10	FALSE
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MW-25	10/18/06	ND<10	FALSE
MW-25d	12/16/97	ND<10	FALSE
MW-25d	01/14/98	ND<10	FALSE
MW-25d	02/13/98	ND<10	FALSE
MW-25d	03/06/98	ND<10	FALSE
MW-25d	10/15/98	ND<10	FALSE
MW-25d	03/25/99	ND<10	FALSE
MW-25d	09/23/99	ND<10	FALSE
MW-25d	03/29/00	ND<10	FALSE
MW-25d	09/14/00	ND<10	FALSE
MW-25d	03/12/01	ND<10	FALSE
MW-25d	10/13/01	ND<10	FALSE
MW-25d	03/08/02	ND<10	FALSE
MW-25d	09/19/02	ND<10	FALSE
MW-25d	04/15/03	14	TRUE
MW-25d	10/16/03	ND<10	FALSE
MW-25d	03/25/04	ND<10	FALSE
MW-25d	10/18/06	ND<10	FALSE

APPENDIX G

Laboratory Analytical Report – January 2007 Verification Sampling Event

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

Thursday, January 18, 2007

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

RE: Project Number: 1584-98-081, Project Name/Desc: White Street Landfill Appl Monitoring Wells
ENCO Workorder: C700225

Dear Connel Ware,

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

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

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

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

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

Sincerely,

Chuck Smith
Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 6.

www.encolabs.com

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: MW-18 **Lab ID:** C700225-01

Sampled: 01/09/07 12:35 **Received:** 01/10/07 10:40

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	07/08/07	01/11/07 09:01	1/12/2007 12:00

SAMPLE DETECTION SUMMARY

Client ID: MW-18 **Lab ID: C700225-01**

Analyte	Results/Qual	NC SWS RL	Units	Method
Cobalt	11.1	10	ug/L	EPA 6010B

www.encolabs.com

ANALYTICAL REPORT

Sample ID: MW-18
Lab #: C700225-01

Project: White Street Landfill Appl Monitoring Well
Work Order #: C700225
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units	Analysis Method	Prep Method	Analytical Batch
Cobalt	7440-48-4	**11.1**	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7A11005

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 7A11005 - EPA 3005A										
Blank (7A11005-BLK1)				Prepared: 01/11/2007 09:01			Analyzed: 01/12/2007 10:22			
Cobalt	2.0 U	10.0	ug/L							
LCS (7A11005-BS1)				Prepared: 01/11/2007 09:01			Analyzed: 01/12/2007 10:29			
Cobalt	1080	10.0	ug/L	1000		108	76-117			
Matrix Spike (7A11005-MS1)		**Source: C605125-01**		Prepared: 01/11/2007 09:01			Analyzed: 01/12/2007 10:51			
Cobalt	1080	10.0	ug/L	1000	2.0 U	108	76-120			
Matrix Spike Dup (7A11005-MSD1)		**Source: C605125-01**		Prepared: 01/11/2007 09:01			Analyzed: 01/12/2007 10:58			
Cobalt	1100	10.0	ug/L	1000	2.0 U	110	76-120	2	17	

NOTES AND DEFINITIONS

U Analyte included in the analysis, but not detected

LABORATORY CERTIFICATION SUMMARY

Analysis	Matrix	Cert ID	Cert Number
Cobalt Total EPA 6010B	Water	NC	591

QSARF #_____

ENVIRONMENTAL CONSERVATION LABORATORIES

4810 Executive Park Court, Suite 211
Jacksonville, Florida 32216-6069
Ph. (904) 296-3007 • Fax (904) 296-6210

10207 General Drive
Orlando, Florida 32824-8529
Ph. (407) 826-5314 • Fax (407) 850-6945

1015 Passport Way
Cary, North Carolina 27513
Ph. (919) 677-1669 • Fax (919) 677-9846

ENCO CompQAP No.: 960038G/0

CHAIN OF CUSTODY RECORD

PROJECT REFERENCE	PROJECT NO.	P.O. NUMBER
WHITE STREET LANDFILL	1584-98-081	14681

PROJECT LOC. (State)	SAMPLER(s) NAME	PHONE	FAX
NC	GARY SIMCOX	336-288-7180	

CLIENT NAME	CLIENT PROJECT MANAGER
STME INC.	CONNIE WARE

CLIENT ADDRESS (CITY, STATE, ZIP): 3718 OLD BATTLEGROUND RD. GREENSBORO

PAGE ____ OF ____

☐ STANDARD REPORT DELIVERY

☐ EXPEDITED REPORT DELIVERY (surcharge)

Date Due: _____

SAMPLE STATION	DATE	TIME	GRAB	COMP	SAMPLE IDENTIFICATION	SURFACE WATER	GROUND WATER	WASTEWATER	DRINKING WATER	SOIL/SOLID/SEDIMENT	NONAQUEOUS LIQUID (oil, solvent, etc.)	AIR	SLUDGE	OTHER	COBALT									REMARKS
						MATRIX TYPE									REQUIRED ANALYSIS									
						PRESERVATIVE																		
						NUMBER OF CONTAINERS SUBMITTED																		
1	1/9/07	1235	✓		MW-18		✓								✓									
2																								
3																								
4																								
5																								
6																								
7																								
8																								
9																								
10																								
11																								
12																								
13																								
14																								

SAMPLE KIT PREPARED BY: ☐JACKSONVILLE ☐ORLANDO	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
			[signature]	1/9/07	1630	[signature]	1/10/07	1040
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
RECEIVED BY (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR LABORATORY BY: (SIGNATURE) ☐ Jacksonville ☐ Orlando	DATE	TIME	CUSTODY INTACT ☐ YES ☐ NO	ENCO LOG NO.	REMARKS
				C700225	4.4°C