WHITE STREET LANDFILL

Greensboro, North Carolina

Phase III Appendix I Detection Monitoring
April 2007 Sampling
S&ME Project No. 1584-98-081

Prepared For:

The City of Greensboro

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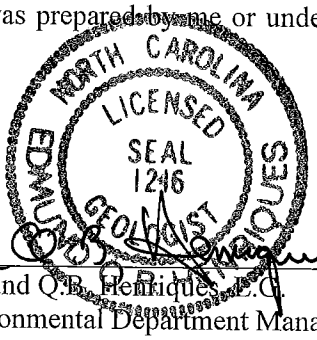
June 2007

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



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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 April 9 and 10, 2007. 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 an estimated concentration of acetone (j value) in background well MW-15 at a concentration below the corresponding North Carolina Solid Waste Section Limit (NC SWSL) and the NCAC 2L groundwater quality standard for Class GA groundwater. No other Appendix I volatile organic constituents were detected at the site on the dates the samples were collected. Inorganic constituents arsenic, barium, cobalt, copper, nickel, silver, vanadium, lead, thallium and zinc were detected in one or more compliance wells; however, the detected concentrations do not exceed the corresponding NCAC 2L standards. Barium was detected in a background well and in a groundwater monitoring system well at concentrations exceeding the corresponding NC SWSL; however, the reported concentrations did not exceed the NCAC 2L groundwater quality standard for Class GA groundwater. No other Appendix I metals were detected at the site on the dates the samples were collected.

Results from the three surface water samples collected on or near the White Street facility indicate volatile organic constituents chloroform, bromodichloromethane, toluene and dibromochloromethane were detected at one or more sampling points. The detected concentrations of toluene did not exceed the corresponding NCAC 2B standards for Class B or C surface water. Chloroform, bromodichloromethane, and dibromochloromethane do not have established surface water standards. The concentration of bromodichloromethane in sampling point SW-3 exceeded the respective NC SWSL on the date that samples were collected. Sample point SW-3 is located upstream from Phase III. No other volatile organic compounds were

detected at concentrations above the NC SWSL in any of the remaining Phase I surface water sampling points.

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

2.0 INTRODUCTION

White Street Landfill 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 groundwater monitoring well locations. S&ME, Inc. (S&ME) was contracted by the City of Greensboro to conduct this semi-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 Water Quality Monitoring Plan.

All 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 findings and conclusions for the April 2007 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.
- 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 April 9 and 10, 2007. The monitoring well locations are shown on **Figure 1**. A representative from S&ME opened each well and measured the static water level from the top edge of the PVC casing. 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 well construction data are summarized in **Table 1**.

In accordance with the Facility's approved Water Quality Monitoring Plan, each well was purged using the dedicated Micro Purge pumps using compressed air. At each well, the purge rate and the drawdown of the water table were monitored as an indicator of how much stress the purging placed on the aquifer. The purge rates were calculated by recording the time required to fill a graduated cylinder. The purging flow rate was approximately 100 milliliters/minute (ml/min.). During purging, the depth to water was periodically monitored and recorded on the groundwater sampling field data sheets. The field data sheets are included in **Appendix A**. For the Phase III sampling event, the measured drawdown in the sampled wells is generally less than 3 feet with the exception monitoring wells MW-15, MW-20 and MW-23. The recorded turbidity data for monitoring wells MW-15, MW-20 and MW-23 do not suggest that the drawdown overly agitated the sample water.

It is S&ME's opinion that the observed drawdowns were generally minor during purging; therefore, the stresses placed on the aquifer should have been minor. The observed drawdown

data also suggests that the purging rates should have been low enough such that recharge water should not have been overly agitated, reducing the potential for colloids to be drawn into the well bore.

The purge water from each of these wells was monitored for pH, temperature, DO, turbidity, ORP, and conductivity. A sample was collected when the changes in those readings fluctuated no more than 10 percent.

The 10% target stabilization for turbidity was not attained at monitoring wells MW-16, MW-23, and MW-24. When groundwater samples were collected from these monitoring wells, the turbidity fluctuation (i.e. when comparing the last two turbidity readings) ranged from 12.7% to 31.3%. Based on professional judgment, samples were collected at MW-16, MW-23 and MW-24 based on the stabilization of the other indicator parameters. The field data collected during sampling was recorded on the groundwater sampling field data sheets, which 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

The 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 (April 2007) 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 parametric Upper Tolerance Limits (Inter-Well Comparisons). These methods have been proven to be reliable for large databases with a parametrically distributed data set.

4.3 Stream Sampling

Surface water sampling took place on April 10, 2007. Three stream samples (SW-1, SW-2, and SW-3) were collected in accordance with the approved site Water Quality Monitoring 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 following summarizes the groundwater sample analyses.

- Volatile organic compound acetone was detected solely at monitoring wells MW-15 at a concentration of 1.3 µg/L. Acetone is a common laboratory contaminant. The estimated concentration (J-value) did not exceed the 700 µg/L NCAC 2L groundwater quality standard. Monitor well MW-15 is a background well.

- Inorganic constituents arsenic, barium, copper, nickel, silver, vanadium, lead, thallium and zinc were detected at one or more monitoring wells at concentrations that are less than the corresponding NCAC 2L groundwater quality standards.

- Inorganic constituent cobalt was detected at one or more monitoring wells. The NCAC 2L groundwater quality standard has not been established for cobalt.

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 sixteenth monitoring event using the MicroPurge pumps for sample acquisition.

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 barium at well MW-24 indicates that the first detection of barium in well MW-24 occurred during this sampling event as a result of the newly promulgated NC SWSLs by the North Carolina Department of the Environment and Natural Resources. Since barium had not previously been detected in MW-24, no meaningful data trends can be inferred from this data set.

The time vs. concentration graph for barium at well MW-16 indicates that the first detection of barium in well MW-16 occurred during this sampling event as a result of the newly promulgated NC SWSLs by the North Carolina Department of the Environment and Natural Resources. Since barium had not previously been detected in MW-16, no meaningful data trends can be inferred from this data set. However, it is important to note that monitoring well MW-16 is a background well for the Facility. The detection of barium in this well is indicative that moderate levels of barium are likely naturally occurring in the Hydrogeologic regime at the Facility.

No additional Time Series plots were performed 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 the barium concentration in monitoring well MW-24 represents a statistically significant increase over the historic background concentrations. This test method compares the

computed from the pooled background data set. The statistical analysis indicates that a statistically significant increase (SSI) for barium did not occur.

The computations used to calculate Non-Parametric Upper Tolerance Limits are included in **Appendices E & F**.

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 on April 9 and 10, 2007. The depth to the water table ranged from 3.54 feet to 23.39 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 on April 9 and 10, 2007, 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 0.011 ft/day to 0.366 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.**

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

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

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

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

5.6 Leachate Sample Analytical Results

On April 107, 2007, 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-24 and submitted for analysis as "Duplicate II" (reported as "DUP#3"). This sample was analyzed for Appendix I inorganics and volatile organics. There were no volatile organic constituents detected in either MW-24 or "Duplicate II." There were three inorganic constituents (barium, cobalt and nickel) detected in both MW-24 and "Duplicate II" at relative concentrations 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, with the exception of carbon disulfide at an estimated concentration of 0.97 µg/L (J-value). 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**.

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 (04/07)
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		April 9-10, 2007	
			DTGW (feet)	Elevation (feet)	DTGW (feet)	Elevation (feet)
MW-15	794.81	60.0	23.87	770.94	23.39	771.42
MW-16	758.02	28.5	21.40	736.62	20.58	737.44
MW-17	755.05	31.5	11.23	743.82	11.71	743.34
MW-18	742.70	17.5	8.38	734.32	10.29	732.41
MW-19	740.70	35.0	16.67	724.03	14.42	726.28
MW-20	748.87	25.0	15.29	733.58	14.58	734.29
MW-21	743.32	18.5	6.09	737.23	5.48	737.84
MW-22	744.43	30.0	10.23	734.2	9.54	734.89
MW-23	744.25	33.5	13.41	730.84	12.64	731.61
MW-24	752.52	12.0	2.66	749.86	3.54	748.98
MW-25	746.47	17.0	13.82	732.65	12.6	733.87
MW-25d	746.19	32.0	12.68	733.51	11.61	734.58

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 (04/07)
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
1240	9-Apr-07	14.64	58.4	6.67	0.449	-171	1.30	7.3	23.39
1245	9-Apr-07	14.37	57.9	6.88	0.449	-203	0.44	4.28	
1250	9-Apr-07	14.06	57.3	6.98	0.448	-212	0.23	2.28	
1255	9-Apr-07	14.11	57.4	7.03	0.448	-203	0.21	2.75	
1300	9-Apr-07	14.61	58.3	7.04	0.448	-200	0.24	2.13	

Location:	MW-16								
Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1145	9-Apr-07	14.30	57.7	5.83	0.377	-12	3.43	11.61	20.58
1150	9-Apr-07	14.22	57.6	5.82	4.060	-26	1.92	11.18	
1155	9-Apr-07	14.27	57.7	5.83	0.411	-33	1.73	8.84	
1200	9-Apr-07	13.90	57.0	5.82	0.420	-39	1.63	7	
1205	9-Apr-07	13.97	57.1	5.83	0.426	-44	1.45	7.55	
1210	9-Apr-07	14.00	57.2	5.82	0.427	-48	1.37	4.94	
1215	9-Apr-07	14.11	57.4	5.82	0.424	-50	1.31	5.11	

Location:	MW-17								
Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1050	9-Apr-07	14.00	57.2	5.72	0.194	-8	3.46	6.28	11.77
1055	9-Apr-07	14.22	57.6	5.70	0.194	-14	2.52	4.34	
1100	9-Apr-07	14.31	57.8	5.70	0.194	-21	1.96	4.23	
1105	9-Apr-07	14.18	57.5	5.70	0.194	-30	1.60	4.46	
1110	9-Apr-07	14.07	57.3	5.70	0.194	-30	1.44	4.68	
1115	9-Apr-07	14.04	57.3	5.70	0.195	-33	1.34	4.54	
Location:	MW-18								
Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
0745	10-Apr-07	7.03	44.7	6.02	0.246	3	4.44	6.9	10.29
0750	10-Apr-07	7.89	46.2	5.74	0.180	24	2.40	155	
0755	10-Apr-07	7.28	45.1	5.61	0.175	38	1.98	538	
0800	10-Apr-07	7.49	45.5	5.61	0.174	40	1.96	555	
0805	10-Apr-07	7.88	46.2	5.66	0.173	39	2.21	325	
0810	10-Apr-07	8.21	46.8	5.69	0.174	35	2.31	183	
0815	10-Apr-07	8.43	47.2	5.70	0.175	40	2.54	133	
0820	10-Apr-07	8.96	48.1	5.74	0.175	41	2.90	96	
0825	10-Apr-07	8.96	48.1	5.74	0.176	41	2.98	78	
0830	10-Apr-07	8.98	48.2	5.74	0.176	43	3.14	89	
0835	10-Apr-07	8.93	48.1	5.74	0.178	43	3.28	73	
0840	10-Apr-07	9.10	48.4	5.75	0.179	44	3.34	55	
0845	10-Apr-07	9.30	48.7	5.76	0.180	45	3.28	48	
0850	10-Apr-07	9.45	49.0	5.76	0.181	45	3.24	45	
0855	10-Apr-07	9.51	49.1	5.76	0.180	44	3.25	46	

Location:	MW-19								
Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1000	9-Apr-07	13.71	56.7	5.86	0.200	-39	3.55	4.53	14.42
1005	9-Apr-07	13.74	56.7	5.80	0.198	-41	2.69	3.89	
1010	9-Apr-07	13.75	56.8	5.78	0.198	-39	2.25	3.64	
1015	9-Apr-07	13.51	56.3	5.79	0.199	-36	2.07	3.89	
1020	9-Apr-07	13.87	57.0	5.82	0.201	-39	1.95	3.75	

Location:	MW-20								
Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1755	9-Apr-07	14.29	57.7	6.18	0.654	-43	3.21	1.7	14.58
1800	9-Apr-07	13.84	56.9	6.18	0.688	-117	0.97	1.1	
1805	9-Apr-07	13.60	56.5	6.18	0.674	-123	0.81	1.2	
1810	9-Apr-07	16.50	61.7	6.17	0.660	-129	0.63	1.3	
1815	9-Apr-07	13.30	55.9	6.17	0.651	-136	0.47	1.4	
1820	9-Apr-07	13.25	55.9	6.18	0.645	-138	0.38	1.5	
1825	9-Apr-07	13.02	55.4	6.18	0.653	-139	0.36	1.7	

Table 2
Groundwater & Surface Water Field Data Summary (04/07)
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
0930	10-Apr-07	11.00	51.8	5.77	0.160	68	4.99	67.00	5.48
0935	10-Apr-07	11.82	53.3	5.75	0.160	37	2.66	7.00	
0940	10-Apr-07	12.04	53.7	5.66	0.162	38	1.85	2.40	
0945	10-Apr-07	12.23	54.0	5.62	0.163	40	1.65	2.60	
0950	10-Apr-07	11.99	53.6	5.60	0.163	38	1.21	2.10	
0955	10-Apr-07	12.25	54.1	5.61	0.162	32	1.03	2.20	
1000	10-Apr-07	12.29	54.1	5.59	0.163	23	0.95	2.10	
1005	10-Apr-07	12.31	54.2	5.60	0.163	21	0.98	2.10	
1010	10-Apr-07	12.46	54.4	5.60	0.162	23	0.97	2.10	

Location:	MW-22								
Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1040	10-Apr-07	13.95	57.1	6.16	0.307	-48	3.42	14.3	9.54
1045	10-Apr-07	14.24	57.6	6.49	0.399	-128	1.76	109	
1050	10-Apr-07	14.58	58.2	6.54	0.402	-144	1.37	169	
1055	10-Apr-07	14.63	58.3	6.55	0.403	-152	1.16	173	
1100	10-Apr-07	14.64	58.4	6.55	0.399	-156	1.05	138	
1105	10-Apr-07	14.91	58.8	6.54	0.393	-161	0.97	97	
1110	10-Apr-07	15.12	59.2	6.55	0.391	-163	0.95	83	
1115	10-Apr-07	15.47	59.8	6.54	0.389	-162	0.99	69	
1120	10-Apr-07	15.61	60.1	6.55	0.390	-161	1.02	60	
1125	10-Apr-07	15.74	60.3	6.55	0.391	-162	1.03	56	
1130	10-Apr-07	15.75	60.4	6.55	0.391	-163	1.02	58	
Location:	MW-23								
Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1420	9-Apr-07	15.27	59.5	7.17	0.581	-165	3.41	1.72	12.64
1425	9-Apr-07	15.26	59.5	7.20	0.583	-170	2.88	1.61	
1430	9-Apr-07	15.19	59.3	7.25	0.579	-167	2.61	1.68	
1435	9-Apr-07	15.10	59.2	7.33	0.575	-179	2.29	1.68	
1440	9-Apr-07	15.25	59.5	7.37	0.573	-184	1.98	1.51	
1445	9-Apr-07	15.45	59.8	7.41	0.569	-191	1.59	3.37	
1450	9-Apr-07	15.65	60.2	7.43	0.569	-193	1.79	4.19	
1455	9-Apr-07	15.41	59.7	7.41	0.572	-190	1.78	4.47	

Location:	MW-24								
Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1520	9-Apr-07	14.07	57.3	6.57	1.003	-106	4.03	5.07	3.54
1525	9-Apr-07	13.60	56.5	6.57	1.016	-119	2.69	425.0	
1530	9-Apr-07	13.84	56.9	6.76	1.006	-94	4.38	117	
1535	9-Apr-07	13.71	56.7	6.78	1.008	-89	4.61	86	
1540	9-Apr-07	13.46	56.2	6.78	1.009	-88	4.68	74	
1545	9-Apr-07	13.42	56.2	6.63	1.020	-99	3.40	41.0	
1550	9-Apr-07	13.55	56.4	6.57	1.025	-118	2.69	22	
1555	9-Apr-07	13.56	56.4	6.55	1.029	-122	2.45	16	
1600	9-Apr-07	13.55	56.4	6.55	1.032	-120	2.42	13	
1605	9-Apr-07	13.59	56.5	6.56	1.031	-119	2.23	11	

Location:	MW-25								
Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1630	9-Apr-07	14.29	57.7	6.37	0.304	-46	5.53	11	12.60
1635	9-Apr-07	14.13	57.4	5.97	0.218	-28	5.50	2.6	
1640	9-Apr-07	14.47	58.0	5.90	0.217	-18	5.52	2.6	
1645	9-Apr-07	15.01	59.0	5.86	0.227	-19	5.42	2.3	

Location:	MW-25d								
Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1700	9-Apr-07	14.59	58.3	6.13	0.132	6	6.17	3.3	11.61
1705	9-Apr-07	14.66	58.4	6.04	0.127	-31	5.05	1.8	
1710	9-Apr-07	14.60	58.3	6.02	0.126	-43	4.62	1.6	
1715	9-Apr-07	14.62	58.3	6.01	0.126	-44	4.32	1.9	
1720	9-Apr-07	14.60	58.3	6.02	0.126	-45	4.30	2.0	

Table 3

Groundwater Analytical Results Summary (4/07)
Appendix I - Volatile Organic Compounds
Phase III - White Street Landfill
Greensboro, North Carolina
S&ME Project No. 1584-98-081

Compound	Sample Locations													NC SWSL	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-25d	DUP#3	(µg/l)	stds.
Acetone	1.3 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	100	700

NC SWSL= North Carolina Solid Waste Section Limit

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

ND Compound not detected in sample

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 NC SWSL

Quantities highlighted in orange were detected above the 2L standards

Table 4

Groundwater Analytical Results Summary (4/07)

Appendix I - Metals

Phase III - White Street Landfill

Greensboro, North Carolina

S&ME Project No. 1584-98-081

Compound	Sample Locations													NC SWSL	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-25d	DUP#3	(µg/l)	stds.
Arsenic	ND	ND	ND	2.3 J	2.4 J	ND	ND	ND	ND	ND	ND	2.9 J	ND	10	50
Barium	33.5 J	208	55.1 J	23.5	17.7 J	64.4 J	27.8 J	93.2 J	66.8 J	332	28.7 J	12 J	347	100	2000
Cobalt	ND	ND	ND	9 J	ND	ND	ND	ND	ND	2.6 J	ND	ND	2.7 J	10	ns
Copper	ND	2.3 J	0.7 J	ND	1.7 J	ND	1.3 J	ND	ND	ND	3 J	1.1 J	ND	10	1000
Nickel	ND	4.5 J	ND	ND	ND	4.2 J	ND	ND	ND	2.8 J	ND	ND	3.2 J	50	100
Silver	ND	ND	ND	ND	ND	ND	2.2 J	ND	ND	ND	ND	2.6 J	ND	10	18
Vanadium	ND	2.7 J	3.2 J	2.6 J	4.8 J	1.4 J	1.7 J	ND	ND	ND	2.2 J	5.1 J	ND	25	ns
Lead	ND	ND	ND	ND	ND	2.3 J	ND	ND	ND	ND	ND	ND	ND	10	15
Thallium	ND	0.066 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.5	0.28
Zinc	ND	1.5 J	ND	ND	ND	ND	ND	6.6 J	1.2 J	ND	3.1 J	ND	ND	10	1050

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

NC SWSL= North Carolina Solid Waste Section Limit

ND = Compound was not detected

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

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 NC SWSL

Quantities highlighted in orange were detected above the 2L standards

Table 5

Groundwater Velocity Data (4/07)
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	0.024	0.031
MW-16	0.331	0.20	0.022	0.037
MW-17	0.160	0.20	0.020	0.016
MW-18	3.269	0.20	0.022	0.366
MW-19	0.716	0.20	0.022	0.079
MW-20	1.336	0.20	0.021	0.137
MW-21	0.681	0.20	0.020	0.067
MW-22	0.325	0.20	0.022	0.035
MW-23	0.173	0.20	0.027	0.023
MW-24	0.090	0.20	0.025	0.011
MW-25	2.088	0.20	0.031	0.323
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 (04/07)
Appendix I - Volatile Organic Compounds
Phase III - White Street Landfill
Greensboro, North Carolina
S&ME Project No. 1584-98-081

Compound	Sample Locations			NC SWSL (ug/L)	15A NCAC 2B Standards*
	SW-1	SW-2	SW-3		
Chloroform	ND	ND	2.5 J	5	ns
Bromodichloromethane	ND	ND	1.8	1	ns
Toluene	ND	0.31 J	ND	1	11
Dibromochloromethane	ND	ND	0.54 J	1	ns

ug/L = all results reported in micrograms per liter
NC SWSL= North Carolina Solid Waste Section Limit
ND = compound not detected in sample
** = Title 15A NCAC 2B Standards for Class B, C surface water*
J = Parameters are estimated values between the detection limit and the NC SWSL.
ns = Title 15A NCAC 2B provides no established standard for these constituents
Quantities highlighted in yellow were detected above the NC SWSL
Quantities highlighted in orange were detected above the 2B standards

Table 7

Surface Water Analytical Results Summary (04/07)
Appendix I - Metals
Phase III - White Street Landfill
Greensboro, North Carolina
S&ME Project No. 1584-98-081

Compound	Sample Locations			NC SWSL	15A NCAC 2B
	SW-1	SW-2	SW-3	(µg/l)	Standards*
Barium	41.8 J	54.8 J	21.7 J	100	ns
Copper	2.2 J	1.5 J	6.2 J	10	ns
Nickel	ND	ND	2.7 J	50	88
Vanadium	1.0 J	ND	ND	25	ns
Zinc	7.6 J	23.5	48.4	10	50

ug/L = all results reported in micrograms per liter
NC SWSL= North Carolina Solid Waste Section Limit
ND = compound not detected in sample
** = Title 15A NCAC 2B Standards for Class B, C surface water*
J = Parameters are estimated values between the detection limit and the NC SWSL.
ns = Title 15A NCAC 2B provides no established standard for these constituents
Quantities highlighted in yellow were detected above the NC SWSL
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" April-07 (µg/L)**	**NC SWSL (µg/L)**
Chloroethane	BQL*	BQL*	BQL**	**17**	BQL***	BQL*	BQL	BQL*	BQL*	BQL*	BQL*	BQL**	BQL**	10
Trichlorofluoromethane	BQL*	BQL*	BQL**	**7.0**	BQL***	BQL*	BQL	BQL*	BQL*	BQL*	BQL*	BQL**	BQL**	1
Acetone	BQL*	BQL*	**1400**	BQL	BQL***	**490****	**830****	BQL*	BQL*	BQL^{5}*	BQL*	**1780****	**6800****	100
Methylene Chloride	**97**	**120**	BQL**	**37**	BQL***	BQL*	**13**	BQL*	BQL*	BQL*	BQL*	BQL**	BQL**	1
1,1-Dichloroethane	**46**	BQL*	BQL**	**30**	**28**	**27***	5.2	BQL*	BQL*	BQL*	BQL*	BQL**	BQL**	5
cis 1,2-dichloroethene	BQL*	BQL*	BQL**	**6.4**	BQL***	BQL**	BQL	BQL*	BQL*	BQL*	BQL*	BQL**	BQL**	5
2-Butanone	BQL*	BQL*	**2600**	BQL	BQL***	**1100****	**1200****	BQL*	BQL*	BQL^{5}*	BQL*	**1650****	**7500****	100
1,1,1-Trichloroethane	BQL*	BQL*	BQL**	**8.2**	BQL***	BQL*	BQL	BQL*	BQL*	BQL*	BQL*	BQL**	BQL**	1
Benzene	BQL*	BQL*	BQL**	**10**	BQL***	BQL*	**8.1**	BQL*	BQL*	BQL*	BQL*	BQL**	BQL**	1
Trichloroethene	BQL*	BQL*	BQL**	**7.5**	BQL***	BQL*	BQL	BQL*	BQL*	BQL*	BQL*	BQL**	BQL**	1
Toluene	**350**	**220**	**390**	**190***	**220*****	**220***	**240****	**400**	BQL*	**73**	**55**	**12.8****	**150****	1
Ethylbenzene	**49**	BQL*	BQL**	**60**	**48*****	**56***	**40**	**46**	BQL*	**31**	BQL*	**18.2****	**87 J**	1
m & p, Xylenes	**120**	**65**	**110**	**140**	**95*****	**120***	**87**	**110**	**38***	**69**	**56**	**35****	BQL**	NE
o-Xylenes	**34**	BQL*	BQL**	**46**	**32*****	**37***	**29**	**32**	BQL*	BQL*	BQL*	**13.8****	**240****	NE
1,4-Dichlorobenzene	BQL*	BQL*	BQL**	**6.0**	BQL***	BQL*	**5.4**	BQL*	BQL*	BQL*	BQL*	BQL**	BQL^{5}	1

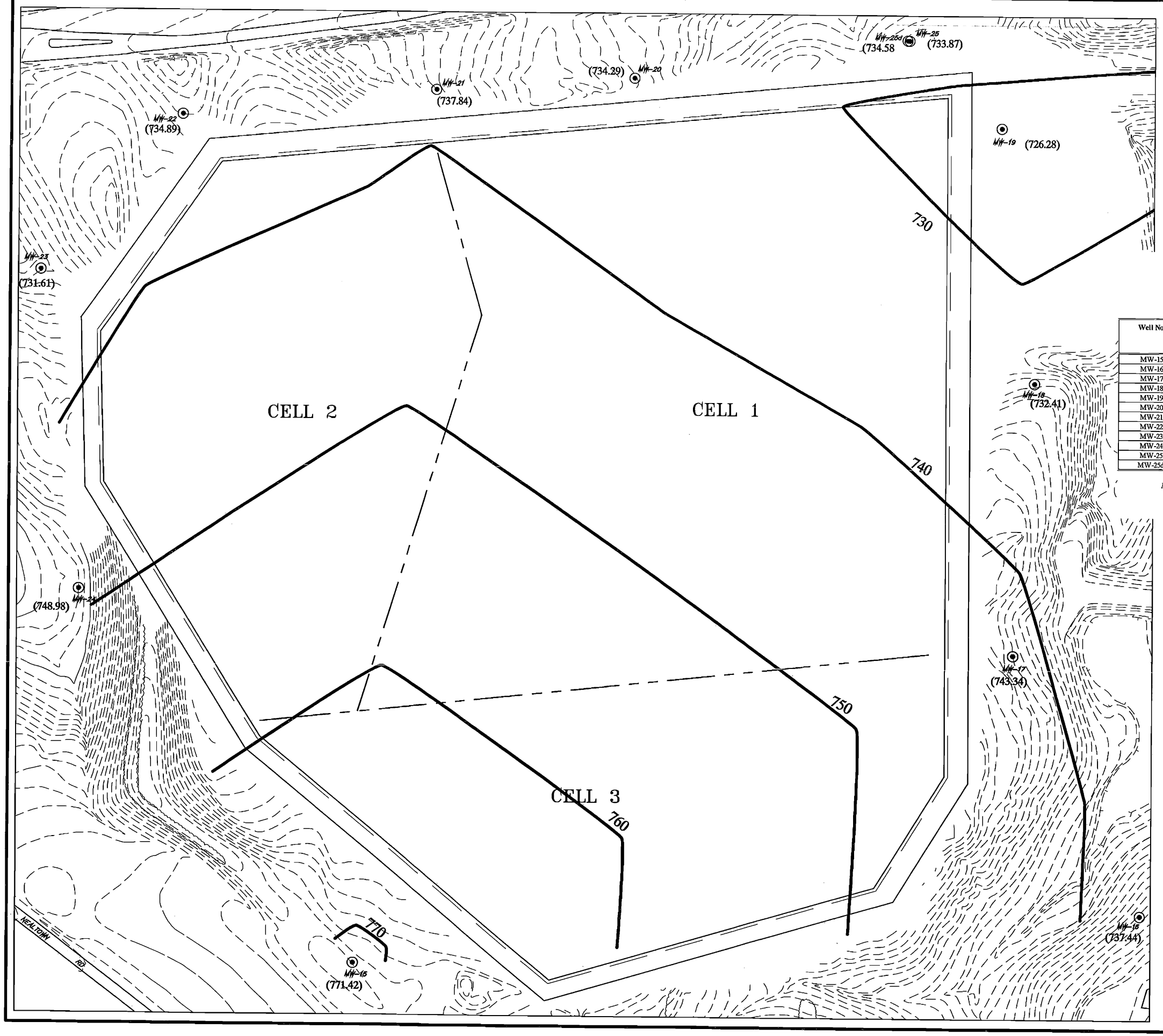
PQL = Methods Practical Quantitation Limits
BQL = Analytical results is less than the corresponding PQL
BQL* = Analyte Value Determined from a 1:5 dilution
BQL** = Analyte Value Determined from a 1:10 dilution
BQL = Analyte Value Determined from a 1:2 dilution***
BQL* = Analyte Value Determined from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

Parameters highlighted in yellow exceed the PQL.

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" April-07 (µg/L)**	**NC SWSL (ug/L)**
Antimony	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	**56.1**	6
Arsenic	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	**23.4**	**23.4**	10
Barium	**580**	BQL	**550**	**580**	**740**	**590**	BQL	BQL	**570**	BQL	BQL	**678**	**609**	100
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**	**35**	10
Cobalt	BQL	BQL	**13**	**25**	**23**	BQL	BQL	**18**	BQL	BQL	BQL	**26.6**	**25.8**	10
Lead	BQL	BQL	BQL	BQL	**13**	BQL	BQL	BQL	BQL	BQL	BQL	BQL	4.9 J	10
Nickel	BQL	BQL	BQL	**110**	**99**	**75**	BQL	BQL	**61**	**300**	BQL	**1189**	**164**	50
Silver	BQL	BQL	BQL	**20**	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	10
Vanadium	BQL	BQL	**58**	**45**	**89**	**41**	BQL	BQL	BQL	BQL	BQL	**54**	**36.2**	25
Zinc	**120**	BQL	**50**	**80**	**290**	**100**	BQL	BQL	BQL	**250**	BQL	**97.2**	**87.8**	10
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" April-07 (µg/L)**	**NC SWSL (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**	0.46	NA
Nitrite	**<0.01**	**<0.02**	**50**	BQL	**<0.10**	no data	no data	ND	**<0.10**	no data	no data	**2**	0.032 J	NA
Sulfate	**<5.00**	**<5**	**2 J**	BQL	ND	**11**	**2.9**	**4.2**	**2.3**	**11.3**	**2.2**	**5**	3.1 J	NA
Phosphorous	**5.43**	**260**	**1**	**330**	**0.83**	**2.5**	**0.28**	**0.78**	**0.93**	**4.3**	**1.2**	**3**	3.6	NA
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**	6.6	NA
Biological Oxygen Demand (BOD)	**22.6**	**300**	**83**	44	**19**	**59J**	**330**	**56**	**34**	**119J**	**27.7**	**200**	3400	NA
Chemical Oxygen Demand (COD)	**166**	**580**	**330**	**200**	**210**	**690**	**390**	**220**	**240**	**1,810**	**425**	**1340**	5400	NA

J = Analyte detected; value is between the Method Detection Limit (MDL) and PQL
NC SWSL=North Carolina Solid Waste Section Limit
BQL = Analytical results is less than the corresponding PQL

Parameters highlighted in yellow exceed the NC SWSL.



Groundwater Velocity Data (4/07)
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	0.024	0.031
MW-16	0.331	0.20	0.022	0.037
MW-17	0.160	0.20	0.020	0.016
MW-18	3.269	0.20	0.022	0.366
MW-19	0.716	0.20	0.022	0.079
MW-20	1.336	0.20	0.021	0.137
MW-21	0.681	0.20	0.020	0.067
MW-22	0.325	0.20	0.022	0.035
MW-23	0.173	0.20	0.027	0.023
MW-24	0.090	0.20	0.025	0.011
MW-25	2.088	0.20	0.031	0.323
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 $\bar{V} = KI/n$
NA = Not Applicable, deeper aquifer monitoring well

LEGEND

- MONITOR WELL LOCATION
- ESTIMATED GROUNDWATER ELEVATION (MARCH 2000)
- PROPERTY LINE
- CELL LIMITS
- APROXIMATE GROUNDWATER FLOW DIRECTION
- (771.42) GROUNDWATER ELEVATION AS CALCULATED FOR THE 4/07 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: JUNE 2007 | FIGURE NO. 1

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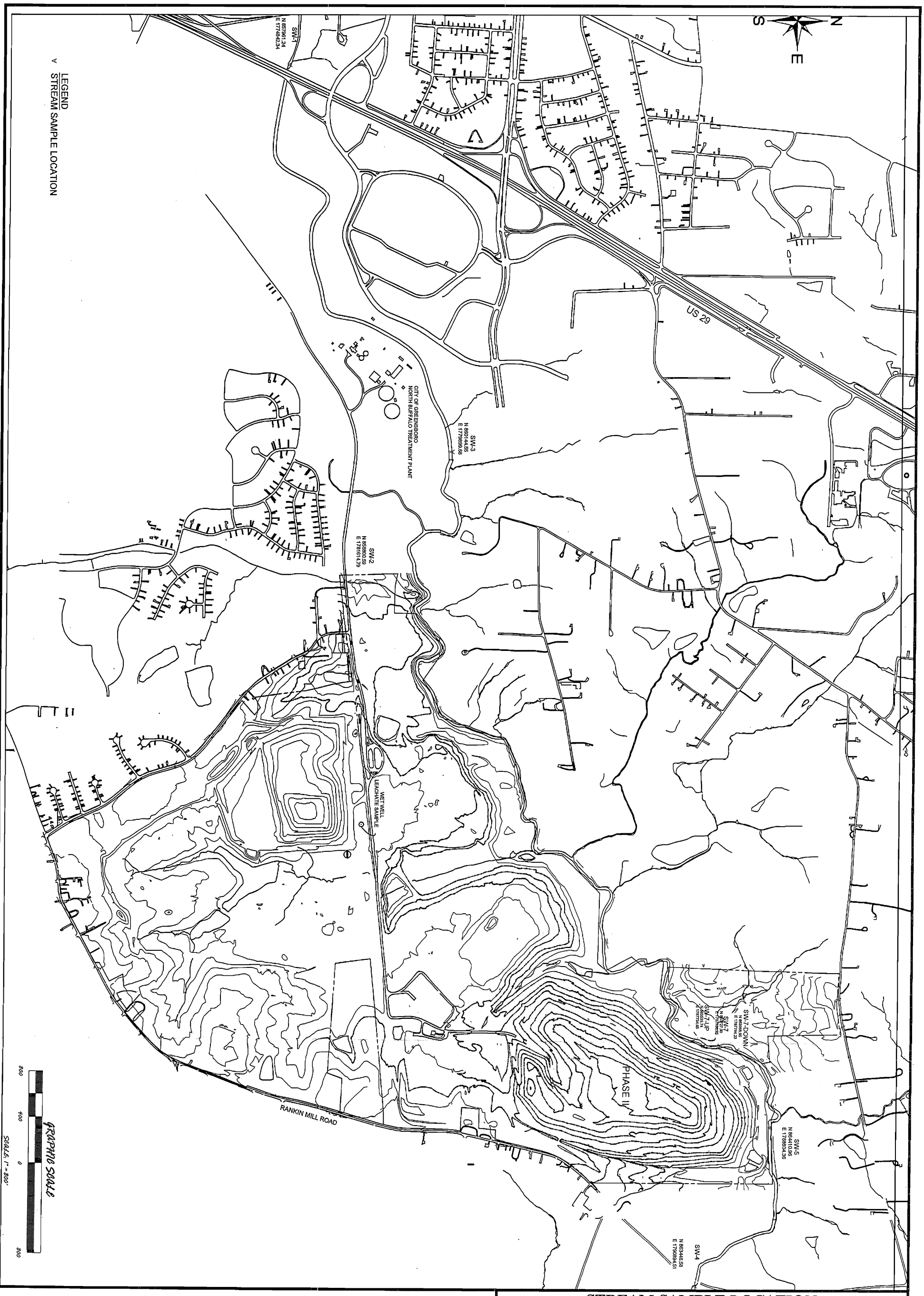

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STREAM SAMPLE LOCATION
PHASE III
WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA

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

APPENDIX A

Field Sampling Data Sheets

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill | Purge Date: 4/9/07

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

Source Well: MW-15 | Sample Date: 4/9/07

Locked? (Yes) No | Sample Time: 1305

(PVC) Steel Stainless | Weather: D/ cloudy

Sampled By: GS/MC | Air Temp: 48°

Water Level and Well Data

Depth to water from measuring point: 23.39 feet

Depth to well bottom from measuring point: feet

Height of water column: feet

Measuring Point: TOC

Well Purging and Sample Collection

Purge Method: PUMP

Sample Method: PUMP

Sample Collection Time Start: Stop:

Purge Time Start: 1235 Stop: 1300

Purge Rate: 100 (m) liter/min

control settings changes? 6 ON 24 OFF @ 35PSI

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: 2.5 gallon (liters)

Was well purged dry: Yes No

Field Analyses

* *Stabilization Parameters*

Time	1240	1245	1250	1255	1300			
Temp	14.64	14.37	14.06	14.11	14.61			
pH	6.67	6.88	6.98	7.03	7.04			
Conductivity	.449	.449	.448	.448	.448			
ORP*	-171	-203	-212	-203	-200			
D.O.*	1.30	.44	.23	.21	.24			
Turbidity*	7.30	4.28	2.28	2.75	2.13			
DTGW	24.33	25.51	26.76	27.82	28.26			

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill | Purge Date: 4/9/07

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

Source Well: MW-16 | Sample Date: 4/9/07

Locked? (Yes) No | Sample Time: 1220

(PVC) Steel Stainless | Weather: CLEAR

Sampled By: GS/MC | Air Temp: 45°

Water Level and Well Data

Depth to water from measuring point: 20.58 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: 1140 Stop:

Purge Rate: 100 ml liter/min

control settings: 4 on 27 off @ 25psi cycles:

changes? duration:

Volume of Water in well

2" well (volume = 0.163 x h)

4" well (volume = 0.651 x h)

Volume of water removed: 4 gallon (liters)

Was well purged dry: Yes No

Field Analyses

* *Stabilization Parameters*

Time	1149	1150	1155	1200	1205	1210	1215	
Temp	14.34	14.22	14.27	13.90	13.97	14.0	14.11	
pH	5.83	5.82	5.83	5.82	5.83	5.82	5.82	
Conductivity	.377	.406	.411	.420	.426	.427	.424	
ORP*	-12	-26	-33	-39	-44	-48	-50	
D.O.*	3.43	1.92	1.73	1.63	1.45	1.37	1.31	
Turbidity*	11.61	11.18	8.84	7.8	7.55	4.94	5.11	
DTGW		21.73	22.20	22.64	22.97	23.23	23.32	

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill | Purge Date: 4/9/07

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

Source Well: MW-17 | Sample Date: 4/9/07

Locked? (Yes) No | Sample Time: 1120

(PVC) Steel Stainless | Weather: CLEAR

Sampled By: GS/MC | Air Temp: 45

Water Level and Well Data

Depth to water from measuring point: 11.77 feet

Depth to well bottom from measuring point: _____ feet

Height of water column: _____ feet

Measuring Point: TOC

Well Purging and Sample Collection

Purge Method: PUMP

Sample Method: PUMP

Sample Collection Time: Start _____ Stop _____

Purge Rate: 100 m liter/min

Purge Time: Start 1045 Stop 1115

control settings: 4 on 24 off @ 25 psi | cycles: _____

changes? _____ | duration: _____

Volume of Water in well

2" well (volume = 0.163 x h): _____

4" well (volume = 0.651 x h): _____

Volume of water removed: 3 gallon (liters)

Was well purged dry: Yes (No)

Field Analyses

* *Stabilization Parameters*

Time	1050	1055	1100	1105	1110	1115						
Temp	14.00	14.22	14.31	14.18	14.07	14.04						
pH	5.72	5.70	5.70	5.70	5.70	5.70						
Conductivity	.194	.194	.194	.194	.194	.195						
ORP*	-8	-14	-21	-30	-30	-33						
D.O.*	3.46	2.52	1.96	1.60	1.44	1.34						
Turbidity*	6.28	4.84	4.23	4.40	4.68	4.54						

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Purge Date: 4/10/07
Project No.: 1584-98-081
Purge Time:
Source Well: MW-18
Sample Date: 4/10/07
Locked? (Yes) No
Sample Time: 0900
(PVC) Steel Stainless
Weather: CLEAR / COLD
Sampled By: GS
Air Temp: 30°

Water Level and Well Data

Depth to water from measuring point: 10.29 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: 80 M liter/min
Start: 0740 Stop: 0855
control settings: 5.5 ON 23 OFF @ 15 PSI cycles:
changes? duration:

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

Volume of water removed: gallon liters

Was well purged dry: Yes (No)

Field Analyses

* *Stabilization Parameters*

Time	0745	0750	0755	0800	0805	0810	0815	0820	0825	0830	0835	0840	0845	0850	0855
Temp	7.03	7.89	7.28	7.49	7.88	8.21	8.43	8.96	8.96	8.98	8.93	9.10	9.30	9.45	9.51
pH	6.02	5.74	5.61	5.61	5.60	5.69	5.70	5.74	5.74	5.74	5.74	5.75	5.76	5.76	5.76
Conductivity	.246	~~.180~~	.175	.174	.173	.174	.175	.175	.176	.176	.178	.179	.180	.181	1.80
ORP*	3	24	38	40	39	55	40	41	41	43	43	44	45	45	44
D.O.*	4.44	2.40	1.98	1.96	2.21	2.31	2.64	2.90	2.98	3.14	3.28	3.34	3.26	3.24	3.25
Turbidity*	6.9	155	538	555	323	183	133	96	78	89	73	55	48	45	46
DTGW	10.47	10.46	10.48	10.46			10.51						10.49		

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Purge Date: 4/9/07
Project No.: 1584-98-081
Purge Time:
Source Well: MW-19
Sample Date: 4/9/07
Locked? (Yes) No
Sample Time: 1025
(PVC) Steel Stainless
Weather: CLEAR/COOL
Sampled By: GS/MC
Air Temp: 40°

Water Level and Well Data

Depth to water from measuring point: 14.42 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 (L)/min Start: 0955 Stop: 1020
control settings: 4 ON / 24 OFF @ 27 PSI cycles:
changes: duration:

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

Volume of water removed: 3 gallon (liters)

Was well purged dry: Yes (No)

Field Analyses

* *Stabilization Parameters*

Time	1000	1005	1010	1015	1020			
Temp	13.71	13.74	13.75	13.51	13.87			
pH	5.86	5.80	5.78	5.79	5.82			
Conductivity	.200	.198	.198	.199	.201			
ORP*	-39	-41	-39	-36	-39			
D.O.*	3.55	2.69	2.25	2.07	1.95			
Turbidity*	469	3.89	3.64	3.89	3.75			

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Purge Date: 4/9/07
Project No.: 1584-98-081
Purge Time:
Source Well: MW-20
Sample Date: 4/9/07
Locked? (Yes) No
Sample Time: 1830
(PVC) Steel Stainless
Weather: CLEAR / COOL
Sampled By: GS / MC
Air Temp: 48°

Water Level and Well Data

Depth to water from measuring point: 14.58 feet
Depth to well bottom from measuring point: feet
Height of water column: feet
Measuring Point: TOC

Well Purging and Sample Collection

Purge Method: PUMP
Sample Method: PUMP

Sample Collection Time
Start: Stop:

Purge Rate: 100 ml liter/min
Purge Time
Start: 1750 Stop: 1825
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: 3.5 gallon (liters)

Was well purged dry: Yes (No)

Field Analyses

* *Stabilization Parameters*

Time	1755	1800	1805	1810	1815	1820	1825	
Temp	14.29	13.84	13.60	13.50	13.30	13.25	13.02	
pH	6.18	6.18	6.18	6.17	6.17	6.18	6.18	
Conductivity	.654	.688	.674	.660	.651	6.45	.653	
ORP*	-43	-107	-123	-129	-136	-138	-139	
D.O.*	3.21	1.97	.81	.63	.47	.38	.36	
Turbidity*	1.7	1.1	1.2	1.8	1.4	1.5	1.7	
DTGW	14.93	15.10	5.11	5.10				

GROUNDWATER SAMPLING FIELD DATA

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

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

Source Well: MW-21 | Sample Date: 4/10/07

Locked? (Yes) No | Sample Time: 1015

(PVC) Steel Stainless | Weather: CLEAR / COOL

Sampled By: GS | Air Temp: 40°

Water Level and Well Data

Depth to water from measuring point: 5.48 feet

Depth to well bottom from measuring point: feet

Height of water column: feet

Measuring Point: TOC

Well Purging and Sample Collection

Purge Method: PUMP

Sample Method: PUMP

Sample Collection Time Start: Stop:

Purge Rate: 100 ml liter/min

Purge Time Start: 0925 Stop: 1015

control settings changes? 45 ON 22.5 OFF @ 15 PSI

cycles:

duration:

Volume of Water in well

2" well (volume = 0.163 x h)

4" well (volume = 0.651 x h)

Volume of water removed: 5 gallon (liters)

Was well purged dry: Yes (No)

Field Analyses

* *Stabilization Parameters*

Time	0930	0935	0940	0945	0950	0955	1000	1005	1010				
Temp	11.0	11.82	12.04	12.23	11.99	12.25	12.29	12.31	12.46				
pH	5.77	5.75	5.66	5.62	5.60	5.61	5.59	5.60	5.60				
Conductivity	.160	.160	.162	.163	.163	.162	.163	.163	.162				
ORP*	68	37	38	40	38	32	23	21	23				
D.O.*	4.99	2.66	1.85	1.65	1.21	1.03	.95	.98	.97				
Turbidity*	67	7	2.4	2.6	2.1	2.2	2.1	2.1	2.1				
DT GW	5.89		6.13		6.19		6.03						

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Purge Date: 4/10/07
Project No.: 1584-98-081
Purge Time:
Source Well: MW-22
Sample Date: 4/10/07
Locked? (Yes) No
Sample Time: 1135
(PVC) Steel Stainless
Weather: SUNNY CLOUD
Sampled By: GS
Air Temp: 48°

Water Level and Well Data

Depth to water from measuring point: 9.54 feet
Depth to well bottom from measuring point: feet
Height of water column: feet
Measuring Point: TOC

Well Purging and Sample Collection

Purge Method: PUMP
Sample Method: PUMP

Sample Collection Time
Start: Stop:

Purge Rate: 75 ml liter/min
Purge Time
Start: 1035 Stop: 1130

control settings: 3.5 ON 26.5 OFF @ 21 PSI cycles:
changes? duration:

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

Volume of water removed: gallon liters

Was well purged dry: Yes (No)

Field Analyses

* *Stabilization Parameters*

Time	1040	1045	1050	1055	1100	1105	1110	1115	1120	1125	1130	1135		
Temp	13.95	14.24	14.58	14.63	14.64	14.91	15.12	15.47	15.61	15.74	15.75			
pH	6.16	6.49	6.54	6.55	6.55	6.54	6.55	6.54	6.55	6.55	6.55			
Conductivity	.307	.399	.402	.403	.399	.393	.391	.389	.390	.391	.391			
ORP*	-48	-128	-144	-152	-156	-161	-163	-162	-161	-162	-163			
D.O.*	3.42	1.96	1.37	1.16	1.05	.97	.95	.99	1.02	1.03	1.02			
Turbidity*	147	109	109	173	138	97	83	68	60	56	58			
DTGW	10.22	10.55	10.89	11.19	11.37	11.72	11.87		12.15	12.26				

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill | Purge Date: 4/9/07

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

Source Well: MW-23 | Sample Date: 4/9/07

Locked? (Yes) No | Sample Time: ~~1540~~ 1500

(PVC) Steel Stainless | Weather: WINDY

Sampled By: GS/MC | Air Temp: 50°

NOTE: DUPLICATE III TAKEN @ THIS LOCATION TIM ON COC 1330

Water Level and Well Data

Depth to water from measuring point: 12.64 feet

Depth to well bottom from measuring point: _____ feet

Height of water column: _____ feet

Measuring Point: TOC

Well Purging and Sample Collection

Purge Method: PUMP

Sample Method: PUMP

Sample Collection Time Start _____ Stop _____

Purge Rate: 100 ml liter/min

Purge Time Start 1415 Stop 1455

control settings changes? 5.5 on 24 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: 4 gallon (liters)

Was well purged dry (Yes) No

Field Analyses

* *Stabilization Parameters*

Time	1420	1425	1430	1435	1440	1445	1450	1455		
Temp	15.27	15.26	15.19	15.10	15.25	15.45	15.65	15.41		
pH	7.17	7.20	7.25	7.33	7.37	7.41	7.43	7.41		
Conductivity	.581	.583	.579	.575	.573	.569	.569	.572		
ORP*	-165	-170	-167	-179	-189	-191	-193	-190		
D.O.*	3.41	2.88	2.61	2.29	1.98	1.59	1.79	1.78		
Turbidity*	1.72	1.61	1.68	1.68	1.51	3.37	4.19	4.47		
DTGW		13.92	14.59	15.47	16.14	16.94	17.34	18.22		

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill | Purge Date: 4/9/07

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

Source Well: MW-24 | Sample Date: 4/9/07

Locked? (Yes) No | Sample Time: 1610

(PVC) Steel Stainless | Weather: CLEAR / WINDY

Sampled By: GS/MC | Air Temp: 50°

Water Level and Well Data

Depth to water from measuring point: 3.54 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 1515 Stop 1605

Purge Rate: 100 ml liter/min

control settings: 30N 26 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: 5 gallon (liters)

Was well purged dry: Yes (No)

Field Analyses

* *Stabilization Parameters*

Time	1520	1525	1530	1535	1540	1545	1450	1455	1500	1505
Temp	14.07	13.60	13.84	13.71	13.46	13.42	13.55	13.56	13.55	13.59
pH	6.57	6.57	6.76	6.78	6.78	6.63	6.57	6.55	6.55	6.56
Conductivity	1.003	1.016	1.006	1.008	1.009	1.020	1.025	1.029	1.032	1.031
ORP*	-106	-119	-94	-89	-88	-99	-118	-122	-120	-115
D.O.*	4.03	2.69	4.38	4.61	4.68	3.40	2.69	2.45	2.42	2.23
Turbidity*	507	425	117	86	79	41	22	16	13	11
DTGW	4.49	5.62	6.44	6.87		6.88	6.89	6.90		

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Purge Date: 4/9/07
Project No.: 1584-98-081
Purge Time:
Source Well: MW-25
Sample Date: 4/9/07
Locked? (Yes) No
Sample Time: 1650
(PVC) Steel Stainless
Weather: SUNNY / WINDY
Sampled By: GS/MC
Air Temp: 55°

Water Level and Well Data

Depth to water from measuring point: 12.60 feet
Depth to well bottom from measuring point: feet
Height of water column: feet
Measuring Point: TOC

Well Purging and Sample Collection

Purge Method: PUMP
Sample Method: PUMP
Sample Collection Time: Start ____ Stop ____
Purge Rate: 80 ml liter/min
Purge Time: Start 1625 Stop 1645
control settings: 4.2 ON 20.5 OFF @ 16 PSI cycles
changes? duration

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

Volume of water removed: 2 gallon (liters)

Was well purged dry: Yes (No)

Field Analyses

* *Stabilization Parameters*

Time	1630	1635	1640	1645				
Temp	14.29	14.13	14.47	15.01				
pH	6.37	5.97	5.90	5.86				
Conductivity	.304	.218	.217	2.27				
ORP*	-40	-28	-18	-19				
D.O.*	5.53	5.50	5.52	5.42				
Turbidity*	11	2.6	2.6	2.3				
	12.90	13.25	13.53	13.77				

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Purge Date: 4/9/07
Project No.: 1584-98-081
Purge Time:
Source Well: MW-25B
Sample Date: 4/9/07
Locked? (Yes) No
Sample Time: 1725
(PVC) Steel Stainless
Weather: SUNNY
Sampled By: GS/MC
Air Temp: 55°

Water Level and Well Data

Depth to water from measuring point: 11.61 feet
Depth to well bottom from measuring point: feet
Height of water column: feet
Measuring Point: TOC

Well Purging and Sample Collection

Purge Method: PUMP
Sample Method: PUMP

Sample Collection Time
Start: Stop:

Purge Time
Purge Rate: 100 m liter/min
Start: 1655 Stop: 1720
control settings: 4.5 ON 18.5 OFF @ 26 PSI cycles:
changes? duration:

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

Volume of water removed: 2.5 gallon (liters)

Was well purged dry: Yes (No)

Field Analyses

* *Stabilization Parameters*

Time	1700	1705	1710	1715	1720			
Temp	14.59	14.66	14.60	14.62	14.60			
pH	6.13	6.04	6.02	6.01	6.02			
Conductivity	.132	.127	.126	.126	.126			
ORP*	6	3.1	-43	-44	-45			
D.O.*	6.17	5.05	4.62	4.32	4.30			
Turbidity*	3.3	1.8	1.6	1.9	2.0			
	12.23	12.29	12.43	12.33				

S&ME
ENVIRONMENTAL SERVICES · ENGINEERING · TESTING

SURFACE WATER SAMPLING FIELD DATA

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

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

SAMPLE LOCATION: SW-1 Weather: Clear

SAMPLED BY: Michael Cook

FIELD ANALYSES

Temperature 10.55

Specific Conductance .319

pH 6.24

Physical Appearance and Odor Turbidity-1 ; odor - none

Comments/Observations:

Clear & No odor

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

Samplers Initials: MC

S&ME
ENVIRONMENTAL SERVICES · ENGINEERING · TESTING

SURFACE WATER SAMPLING FIELD DATA

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

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

SAMPLE LOCATION: SW-2 Weather: Clear

SAMPLED BY: Michael Cook

FIELD ANALYSES

Temperature 8.05

Specific Conductance .289

pH 6.64

Physical Appearance and Odor Turbidity - 2 ; odor None

Comments/Observations:

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

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

Samplers Initials: MC

S&ME
ENVIRONMENTAL SERVICES · ENGINEERING · TESTING

SURFACE WATER SAMPLING FIELD DATA

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

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

SAMPLE LOCATION: SW-3 Weather: Clear

SAMPLED BY: Michael Cook

FIELD ANALYSES

Temperature 12.2

Specific Conductance .436

pH 6.55

Physical Appearance and Odor Turbidity-1 ; odor None

Comments/Observations:

~~Ste~~ NO odor & Turbidity - 1

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

Samplers Initials: M C

APPENDIX B

Laboratory Analytical Report

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

www.encolabs.com

Tuesday, April 24, 2007

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

RE: Project Number: [none], Project Name/Desc: White Street Landfill AppI Monitoring Wells
ENCO Workorder: C704493

Dear Edmund Henriques,

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

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

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

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

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

Sincerely,

Stephanie Franz For Chuck Smith
Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 70.

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: 4112 MW-15 **Lab ID:** C704493-01
Sampled: 04/09/07 13:05 **Received:** 04/10/07 17:05

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	10/06/07	04/12/07 09:12	4/16/2007 11:28
EPA 6020	10/06/07	04/12/07 11:05	4/16/2007 15:59
EPA 8260B	04/23/07	04/13/07 15:54	4/14/2007 02:32

Client ID: 4112 MW-16 **Lab ID:** C704493-02
Sampled: 04/09/07 12:20 **Received:** 04/10/07 17:05

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	10/06/07	04/12/07 09:12	4/16/2007 12:01
EPA 6020	10/06/07	04/12/07 11:05	4/16/2007 15:21
EPA 8260B	04/23/07	04/13/07 15:54	4/14/2007 02:58

Client ID: 4112 MW-17 **Lab ID:** C704493-03
Sampled: 04/09/07 11:20 **Received:** 04/10/07 17:05

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	10/06/07	04/12/07 09:12	4/16/2007 12:08
EPA 6020	10/06/07	04/12/07 11:05	4/16/2007 16:01
EPA 8260B	04/23/07	04/13/07 15:54	4/14/2007 03:23

Client ID: 4112 MW-18 **Lab ID:** C704493-04
Sampled: 04/10/07 09:00 **Received:** 04/10/07 17:05

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	10/07/07	04/12/07 09:12	4/16/2007 12:15
EPA 6020	10/07/07	04/12/07 11:05	4/16/2007 16:04
EPA 8260B	04/24/07	04/13/07 15:54	4/14/2007 03:49

Client ID: 4112 MW-19 **Lab ID:** C704493-05

Sampled: 04/09/07 10:25 **Received:** 04/10/07 17:05

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	10/06/07	04/12/07 09:12	4/16/2007 12:22
EPA 6020	10/06/07	04/12/07 11:05	4/16/2007 16:06
EPA 8260B	04/23/07	04/13/07 15:54	4/14/2007 04:15

Client ID: 4112 MW-20 **Lab ID:** C704493-06

Sampled: 04/09/07 18:30 **Received:** 04/10/07 17:05

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	10/06/07	04/12/07 09:12	4/16/2007 12:43
EPA 6020	10/06/07	04/12/07 11:05	4/16/2007 16:09
EPA 8260B	04/23/07	04/13/07 15:54	4/14/2007 04:41

Client ID: 4112 MW-21 **Lab ID:** C704493-07

Sampled: 04/10/07 10:15 **Received:** 04/10/07 17:05

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	10/07/07	04/12/07 09:12	4/16/2007 12:50
EPA 6020	10/07/07	04/12/07 11:05	4/16/2007 16:11
EPA 8260B	04/24/07	04/13/07 15:54	4/14/2007 05:07

Client ID: 4112 MW-22 **Lab ID:** C704493-08

Sampled: 04/10/07 11:35 **Received:** 04/10/07 17:05

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	10/07/07	04/12/07 09:12	4/16/2007 12:57
EPA 6020	10/07/07	04/12/07 11:05	4/16/2007 16:14
EPA 8260B	04/24/07	04/13/07 15:54	4/14/2007 05:33

Client ID: 4112 MW-23 **Lab ID:** C704493-09

Sampled: 04/09/07 15:00 **Received:** 04/10/07 17:05

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	10/06/07	04/12/07 09:12	4/16/2007 13:04
EPA 6020	10/06/07	04/12/07 11:05	4/16/2007 16:17
EPA 8260B	04/23/07	04/13/07 15:54	4/14/2007 05:59

Client ID: 4112 MW-24 **Lab ID:** C704493-10

Sampled: 04/09/07 16:10 **Received:** 04/10/07 17:05

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	10/06/07	04/12/07 09:12	4/16/2007 13:11
EPA 6020	10/06/07	04/12/07 11:05	4/16/2007 16:19
EPA 8260B	04/23/07	04/13/07 15:54	4/14/2007 06:24

Client ID: 4112 MW-25 **Lab ID:** C704493-11

Sampled: 04/09/07 16:50 **Received:** 04/10/07 17:05

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	10/06/07	04/12/07 09:12	4/16/2007 13:18
EPA 6020	10/06/07	04/12/07 11:05	4/16/2007 16:22
EPA 8260B	04/23/07	04/13/07 15:54	4/14/2007 06:50

Client ID: 4112 MW-25B **Lab ID:** C704493-12

Sampled: 04/09/07 17:25 **Received:** 04/10/07 17:05

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	10/06/07	04/12/07 09:12	4/16/2007 13:25
EPA 6020	10/06/07	04/12/07 11:05	4/16/2007 16:40
EPA 8260B	04/23/07	04/13/07 15:54	4/14/2007 07:16

Client ID: 4112 SW-1 **Lab ID:** C704493-13

Sampled: 04/10/07 09:15 **Received:** 04/10/07 17:05

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	10/07/07	04/12/07 09:12	4/16/2007 13:32
EPA 6020	10/07/07	04/12/07 11:05	4/16/2007 16:42
EPA 8260B	04/24/07	04/13/07 15:54	4/14/2007 07:42

Client ID: 4112 SW-2 **Lab ID:** C704493-14

Sampled: 04/10/07 07:45 **Received:** 04/10/07 17:05

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	10/07/07	04/12/07 09:12	4/16/2007 13:39
EPA 6020	10/07/07	04/12/07 11:05	4/16/2007 16:45
EPA 8260B	04/24/07	04/13/07 15:54	4/14/2007 08:07

Client ID: 4112 SW-3 **Lab ID:** C704493-15

Sampled: 04/10/07 08:45 **Received:** 04/10/07 17:05

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	10/07/07	04/12/07 09:12	4/16/2007 13:46
EPA 6020	10/07/07	04/12/07 11:05	4/16/2007 16:47
EPA 8260B	04/24/07	04/13/07 15:54	4/14/2007 08:33

Client ID: 4103 SW-4 **Lab ID:** C704493-16

Sampled: 04/10/07 11:00 **Received:** 04/10/07 17:05

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	10/07/07	04/12/07 09:12	4/16/2007 14:11
EPA 6020	10/07/07	04/12/07 11:05	4/16/2007 16:50
EPA 8260B	04/24/07	04/13/07 15:54	4/14/2007 08:59

Client ID: 4103 SW-5 **Lab ID:** C704493-17

Sampled: 04/10/07 10:35 **Received:** 04/10/07 17:05

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	10/07/07	04/12/07 09:12	4/16/2007 14:18
EPA 6020	10/07/07	04/12/07 11:05	4/16/2007 16:52
EPA 8260B	04/24/07	04/16/07 15:54	4/16/2007 17:04

Client ID: 4112 DUPLICATE-III **Lab ID:** C704493-18

Sampled: 04/09/07 13:30 **Received:** 04/10/07 17:05

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	10/06/07	04/12/07 09:12	4/16/2007 14:25
EPA 6020	10/06/07	04/12/07 11:05	4/16/2007 16:54
EPA 8260B	04/23/07	04/16/07 15:54	4/16/2007 17:30

Client ID: 4112 Trip Blank#3 **Lab ID:** C704493-19

Sampled: 04/09/07 00:00 **Received:** 04/10/07 17:05

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	04/23/07	04/16/07 15:54	4/16/2007 16:12

NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: 4112 MW-15 — **Lab ID: C704493-01**

Analyte	Results	Qual	DF	MDL	MRL	NC SWSL	Units	Method
Acetone	1.3	J	1	0.90	5.0	100	ug/L	EPA 8260B
Barium	33.5	J	1	0.20	10.0	100	ug/L	EPA 6010B

Client ID: 4112 MW-16 — **Lab ID: C704493-02**

Analyte	Results	Qual	DF	MDL	MRL	NC SWSL	Units	Method
Barium	208		1	0.20	10.0	100	ug/L	EPA 6010B
Copper	2.30	J	1	0.60	10.0	10	ug/L	EPA 6010B
Nickel	4.5	J	1	2.0	10.0	50	ug/L	EPA 6010B
Thallium	0.066	J	1	0.044	0.050	5.5	ug/L	EPA 6020
Vanadium	2.7	J	1	1.0	10.0	25	ug/L	EPA 6010B
Zinc	1.5	J	1	1.0	10.0	10	ug/L	EPA 6010B

Client ID: 4112 MW-17 — **Lab ID: C704493-03**

Analyte	Results	Qual	DF	MDL	MRL	NC SWSL	Units	Method
Barium	55.1	J	1	0.20	10.0	100	ug/L	EPA 6010B
Copper	0.70	J	1	0.60	10.0	10	ug/L	EPA 6010B
Vanadium	3.2	J	1	1.0	10.0	25	ug/L	EPA 6010B

Client ID: 4112 MW-18 — **Lab ID: C704493-04**

Analyte	Results	Qual	DF	MDL	MRL	NC SWSL	Units	Method
Arsenic	2.3	J	1	2.0	10.0	10	ug/L	EPA 6010B
Barium	23.5	J	1	0.20	10.0	100	ug/L	EPA 6010B
Cobalt	9.0	J	1	2.0	10.0	10	ug/L	EPA 6010B
Vanadium	2.6	J	1	1.0	10.0	25	ug/L	EPA 6010B

Client ID: 4112 MW-19 — **Lab ID: C704493-05**

Analyte	Results	Qual	DF	MDL	MRL	NC SWSL	Units	Method
Arsenic	2.4	J	1	2.0	10.0	10	ug/L	EPA 6010B
Barium	17.7	J	1	0.20	10.0	100	ug/L	EPA 6010B
Copper	1.70	J	1	0.60	10.0	10	ug/L	EPA 6010B
Vanadium	4.8	J	1	1.0	10.0	25	ug/L	EPA 6010B

Client ID: 4112 MW-20 — **Lab ID: C704493-06**

Analyte	Results	Qual	DF	MDL	MRL	NC SWSL	Units	Method
Barium	64.4	J	1	0.20	10.0	100	ug/L	EPA 6010B
Lead	2.3	J	1	2.0	10.0	10	ug/L	EPA 6010B
Nickel	4.2	J	1	2.0	10.0	50	ug/L	EPA 6010B
Vanadium	1.4	J	1	1.0	10.0	25	ug/L	EPA 6010B

Client ID: 4112 MW-21 — **Lab ID: C704493-07**

Analyte	Results	Qual	DF	MDL	MRL	NC SWSL	Units	Method
Barium	27.8	J	1	0.20	10.0	100	ug/L	EPA 6010B
Copper	1.30	J	1	0.60	10.0	10	ug/L	EPA 6010B
Silver	2.2	J	1	2.0	10.0	10	ug/L	EPA 6010B
Vanadium	1.7	J	1	1.0	10.0	25	ug/L	EPA 6010B

Client ID: 4112 MW-22 — **Lab ID: C704493-08**

Analyte	Results	Qual	DF	MDL	MRL	NC SWSL	Units	Method
Barium	93.2	J	1	0.20	10.0	100	ug/L	EPA 6010B

Zinc	6.6	J	1	1.0	10.0	10	ug/L	EPA 6010B
Client ID: 4112 MW-23			**Lab ID: C704493-09**					
Analyte	**Results/Qual**		**DF**	**MDL**	**MRL**	**NC SWSL**	**Units**	**Method**
Barium	66.8	J	1	0.20	10.0	100	ug/L	EPA 6010B
Zinc	1.2	J	1	1.0	10.0	10	ug/L	EPA 6010B
Client ID: 4112 MW-24			**Lab ID: C704493-10**					
Analyte	**Results/Qual**		**DF**	**MDL**	**MRL**	**NC SWSL**	**Units**	**Method**
Barium	332		1	0.20	10.0	100	ug/L	EPA 6010B
Cobalt	2.6	J	1	2.0	10.0	10	ug/L	EPA 6010B
Nickel	2.8	J	1	2.0	10.0	50	ug/L	EPA 6010B
Client ID: 4112 MW-25			**Lab ID: C704493-11**					
Analyte	**Results/Qual**		**DF**	**MDL**	**MRL**	**NC SWSL**	**Units**	**Method**
Barium	28.7	J	1	0.20	10.0	100	ug/L	EPA 6010B
Copper	3.00	J	1	0.60	10.0	10	ug/L	EPA 6010B
Vanadium	2.2	J	1	1.0	10.0	25	ug/L	EPA 6010B
Zinc	3.1	J	1	1.0	10.0	10	ug/L	EPA 6010B
Client ID: 4112 MW-25B			**Lab ID: C704493-12**					
Analyte	**Results/Qual**		**DF**	**MDL**	**MRL**	**NC SWSL**	**Units**	**Method**
Arsenic	2.9	J	1	2.0	10.0	10	ug/L	EPA 6010B
Barium	12.0	J	1	0.20	10.0	100	ug/L	EPA 6010B
Copper	1.10	J	1	0.60	10.0	10	ug/L	EPA 6010B
Silver	2.6	J	1	2.0	10.0	10	ug/L	EPA 6010B
Vanadium	5.1	J	1	1.0	10.0	25	ug/L	EPA 6010B
Client ID: 4112 SW-1			**Lab ID: C704493-13**					
Analyte	**Results/Qual**		**DF**	**MDL**	**MRL**	**NC SWSL**	**Units**	**Method**
Barium	41.8	J	1	0.20	10.0	100	ug/L	EPA 6010B
Copper	2.20	J	1	0.60	10.0	10	ug/L	EPA 6010B
Vanadium	1.0	J	1	1.0	10.0	25	ug/L	EPA 6010B
Zinc	7.6	J	1	1.0	10.0	10	ug/L	EPA 6010B
Client ID: 4112 SW-2			**Lab ID: C704493-14**					
Analyte	**Results/Qual**		**DF**	**MDL**	**MRL**	**NC SWSL**	**Units**	**Method**
Barium	54.8	J	1	0.20	10.0	100	ug/L	EPA 6010B
Copper	1.50	J	1	0.60	10.0	10	ug/L	EPA 6010B
Toluene	0.31	J	1	0.15	1.0	1	ug/L	EPA 8260B
Zinc	23.5		1	1.0	10.0	10	ug/L	EPA 6010B
Client ID: 4112 SW-3			**Lab ID: C704493-15**					
Analyte	**Results/Qual**		**DF**	**MDL**	**MRL**	**NC SWSL**	**Units**	**Method**
Barium	21.7	J	1	0.20	10.0	100	ug/L	EPA 6010B
Bromodichloromethane	1.8		1	0.19	0.40	1	ug/L	EPA 8260B
Chloroform	2.5	J	1	0.16	1.0	5	ug/L	EPA 8260B
Copper	6.20	J	1	0.60	10.0	10	ug/L	EPA 6010B
Dibromochloromethane	0.54	J	1	0.18	1.0	1	ug/L	EPA 8260B
Nickel	2.7	J	1	2.0	10.0	50	ug/L	EPA 6010B
Zinc	48.4		1	1.0	10.0	10	ug/L	EPA 6010B
Client ID: 4103 SW-4			**Lab ID: C704493-16**					
Analyte	**Results/Qual**		**DF**	**MDL**	**MRL**	**NC SWSL**	**Units**	**Method**
Barium	25.4	J	1	0.20	10.0	100	ug/L	EPA 6010B

Chloroform	0.69	J	1	0.16	1.0	5	ug/L	EPA 8260B
Copper	4.50	J	1	0.60	10.0	10	ug/L	EPA 6010B
Zinc	38.2		1	1.0	10.0	10	ug/L	EPA 6010B
Client ID: 4103 SW-5			**Lab ID: C704493-17**					
Analyte	**Results/Qual**		**DF**	**MDL**	**MRL**	**NC SWSL**	**Units**	**Method**
Barium	25.6	J	1	0.20	10.0	100	ug/L	EPA 6010B
Chloroform	0.60	J	1	0.16	1.0	5	ug/L	EPA 8260B
Copper	4.30	J	1	0.60	10.0	10	ug/L	EPA 6010B
Nickel	2.5	J	1	2.0	10.0	50	ug/L	EPA 6010B
Selenium	2.9	J	1	2.0	10.0	10	ug/L	EPA 6010B
Zinc	39.5		1	1.0	10.0	10	ug/L	EPA 6010B
Client ID: 4112 DUPLICATE-III			**Lab ID: C704493-18**					
Analyte	**Results/Qual**		**DF**	**MDL**	**MRL**	**NC SWSL**	**Units**	**Method**
Barium	347		1	0.20	10.0	100	ug/L	EPA 6010B
Cobalt	2.7	J	1	2.0	10.0	10	ug/L	EPA 6010B
Nickel	3.2	J	1	2.0	10.0	50	ug/L	EPA 6010B
Client ID: 4112 Trip Blank#3			**Lab ID: C704493-19**					
Analyte	**Results/Qual**		**DF**	**MDL**	**MRL**	**NC SWSL**	**Units**	**Method**
Carbon disulfide	0.97	J	1	0.12	5.0	100	ug/L	EPA 8260B

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ANALYTICAL REPORT

Sample ID:	4112 MW-15	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C704493-01	Work Order #:	C704493
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/14/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D13022		

Volatile Organic Compounds by GCMS

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

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ANALYTICAL REPORT

Sample ID:	4112 MW-15	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C704493-01	Work Order #:	C704493
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/14/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D13022		

Volatile Organic Compounds by GCMS

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

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	59	50.0	117 %	67-125
Dibromofluoromethane	1868-53-7	45	50.0	90 %	69-111
Toluene-d8	2037-26-5	54	50.0	107 %	85-120

ANALYTICAL REPORT

Sample ID: 4112 MW-15
Lab #: C704493-01

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

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D12008
Arsenic	7440-38-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Barium	7440-39-3	**33.5** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D12002
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D12002
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D12002
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Cobalt	7440-48-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Copper	7440-50-8	0.60 U	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Nickel	7440-02-0	2.0 U	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D12002
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Thallium	7440-28-0	0.044 U	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D12008
Vanadium	7440-62-2	1.0 U	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D12002
Zinc	7440-66-6	1.0 U	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002

ANALYTICAL REPORT

Sample ID:	4112 MW-16	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C704493-02	Work Order #:	C704493
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/14/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D13022		

Volatile Organic Compounds by GCMS

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

ANALYTICAL REPORT

Sample ID:	4112 MW-16	Project:	White Street Landfill AppI Monitoring Well
Lab #:	C704493-02	Work Order #:	C704493
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/14/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D13022		

Volatile Organic Compounds by GCMS

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

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	61	50.0	123 %	67-125
Dibromofluoromethane	1868-53-7	43	50.0	86 %	69-111
Toluene-d8	2037-26-5	55	50.0	110 %	85-120

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ANALYTICAL REPORT

Sample ID: 4112 MW-16
Lab #: C704493-02

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

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D12008
Arsenic	7440-38-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Barium	7440-39-3	**208**	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D12002
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D12002
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D12002
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Cobalt	7440-48-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Copper	7440-50-8	**2.30** J	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Nickel	7440-02-0	**4.5** J	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D12002
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Thallium	7440-28-0	**0.066** J	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D12008
Vanadium	7440-62-2	**2.7** J	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D12002
Zinc	7440-66-6	**1.5** J	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002

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ANALYTICAL REPORT

Sample ID:	4112 MW-17	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C704493-03	Work Order #:	C704493
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/14/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D13022		

Volatile Organic Compounds by GCMS

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

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ANALYTICAL REPORT

Sample ID:	4112 MW-17	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C704493-03	Work Order #:	C704493
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/14/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D13022		

Volatile Organic Compounds by GCMS

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

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	63 S-GC	50.0	127 %	67-125
Dibromofluoromethane	1868-53-7	44	50.0	87 %	69-111
Toluene-d8	2037-26-5	53	50.0	106 %	85-120

ANALYTICAL REPORT

Sample ID: 4112 MW-17
Lab #: C704493-03

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

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D12008
Arsenic	7440-38-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Barium	7440-39-3	**55.1** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D12002
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D12002
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D12002
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Cobalt	7440-48-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Copper	7440-50-8	**0.70** J	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Nickel	7440-02-0	2.0 U	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D12002
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Thallium	7440-28-0	0.044 U	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D12008
Vanadium	7440-62-2	**3.2** J	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D12002
Zinc	7440-66-6	1.0 U	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002

ANALYTICAL REPORT

Sample ID:	4112 MW-18	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C704493-04	Work Order #:	C704493
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/14/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D13022		

Volatile Organic Compounds by GCMS

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

ANALYTICAL REPORT

Sample ID:	4112 MW-18	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C704493-04	Work Order #:	C704493
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/14/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D13022		

Volatile Organic Compounds by GCMS

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

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	62	50.0	124 %	67-125
Dibromofluoromethane	1868-53-7	45	50.0	89 %	69-111
Toluene-d8	2037-26-5	53	50.0	106 %	85-120

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ANALYTICAL REPORT

Sample ID: 4112 MW-18
Lab #: C704493-04

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

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D12008
Arsenic	7440-38-2	**2.3** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Barium	7440-39-3	**23.5** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D12002
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D12002
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D12002
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Cobalt	7440-48-4	**9.0** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Copper	7440-50-8	0.60 U	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Nickel	7440-02-0	2.0 U	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D12002
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Thallium	7440-28-0	0.044 U	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D12008
Vanadium	7440-62-2	**2.6** J	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D12002
Zinc	7440-66-6	1.0 U	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002

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ANALYTICAL REPORT

Sample ID:	4112 MW-19	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C704493-05	Work Order #:	C704493
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/14/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D13022		

Volatile Organic Compounds by GCMS

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

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ANALYTICAL REPORT

Sample ID:	4112 MW-19	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C704493-05	Work Order #:	C704493
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/14/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D13022		

Volatile Organic Compounds by GCMS

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

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	65 S-GC	50.0	130 %	67-125
Dibromofluoromethane	1868-53-7	45	50.0	89 %	69-111
Toluene-d8	2037-26-5	55	50.0	110 %	85-120

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ANALYTICAL REPORT

Sample ID: 4112 MW-19
Lab #: C704493-05

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

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D12008
Arsenic	7440-38-2	**2.4** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Barium	7440-39-3	**17.7** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D12002
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D12002
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D12002
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Cobalt	7440-48-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Copper	7440-50-8	**1.70** J	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Nickel	7440-02-0	2.0 U	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D12002
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Thallium	7440-28-0	0.044 U	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D12008
Vanadium	7440-62-2	**4.8** J	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D12002
Zinc	7440-66-6	1.0 U	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002

ANALYTICAL REPORT

Sample ID:	4112 MW-20	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C704493-06	Work Order #:	C704493
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/14/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D13022		

Volatile Organic Compounds by GCMS

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

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ANALYTICAL REPORT

Sample ID:	4112 MW-20	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C704493-06	Work Order #:	C704493
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/14/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D13022		

Volatile Organic Compounds by GCMS

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

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	63 S-GC	50.0	127 %	67-125
Dibromofluoromethane	1868-53-7	44	50.0	89 %	69-111
Toluene-d8	2037-26-5	53	50.0	106 %	85-120

ANALYTICAL REPORT

Sample ID: 4112 MW-20
Lab #: C704493-06

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

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D12008
Arsenic	7440-38-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Barium	7440-39-3	**64.4** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D12002
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D12002
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D12002
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Cobalt	7440-48-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Copper	7440-50-8	0.60 U	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Lead	7439-92-1	**2.3** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Nickel	7440-02-0	**4.2** J	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D12002
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Thallium	7440-28-0	0.044 U	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D12008
Vanadium	7440-62-2	**1.4** J	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D12002
Zinc	7440-66-6	1.0 U	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002

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ANALYTICAL REPORT

Sample ID:	4112 MW-21	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C704493-07	Work Order #:	C704493
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/14/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D13022		

Volatile Organic Compounds by GCMS

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

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ANALYTICAL REPORT

Sample ID:	4112 MW-21	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C704493-07	Work Order #:	C704493
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/14/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D13022		

Volatile Organic Compounds by GCMS

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

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	65 S-GC	50.0	130 %	67-125
Dibromofluoromethane	1868-53-7	44	50.0	88 %	69-111
Toluene-d8	2037-26-5	55	50.0	110 %	85-120

ANALYTICAL REPORT

Sample ID: 4112 MW-21
Lab #: C704493-07

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

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D12008
Arsenic	7440-38-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Barium	7440-39-3	**27.8** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D12002
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D12002
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D12002
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Cobalt	7440-48-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Copper	7440-50-8	**1.30** J	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Nickel	7440-02-0	2.0 U	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D12002
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Silver	7440-22-4	**2.2** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Thallium	7440-28-0	0.044 U	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D12008
Vanadium	7440-62-2	**1.7** J	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D12002
Zinc	7440-66-6	1.0 U	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002

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ANALYTICAL REPORT

Sample ID:	4112 MW-22	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C704493-08	Work Order #:	C704493
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/14/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D13022		

Volatile Organic Compounds by GCMS

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

ANALYTICAL REPORT

Sample ID:	4112 MW-22	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C704493-08	Work Order #:	C704493
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/14/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D13022		

Volatile Organic Compounds by GCMS

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

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	66 S-GC	50.0	133 %	67-125
Dibromofluoromethane	1868-53-7	45	50.0	90 %	69-111
Toluene-d8	2037-26-5	55	50.0	109 %	85-120

ANALYTICAL REPORT

Sample ID: 4112 MW-22
Lab #: C704493-08

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

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D12008
Arsenic	7440-38-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Barium	7440-39-3	**93.2** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D12002
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D12002
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D12002
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Cobalt	7440-48-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Copper	7440-50-8	0.60 U	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Nickel	7440-02-0	2.0 U	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D12002
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Thallium	7440-28-0	0.044 U	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D12008
Vanadium	7440-62-2	1.0 U	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D12002
Zinc	7440-66-6	**6.6** J	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002

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ANALYTICAL REPORT

Sample ID:	4112 MW-23	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C704493-09	Work Order #:	C704493
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/14/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D13022		

Volatile Organic Compounds by GCMS

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

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ANALYTICAL REPORT

Sample ID:	4112 MW-23	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C704493-09	Work Order #:	C704493
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/14/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D13022		

Volatile Organic Compounds by GCMS

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

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	64 S-GC	50.0	128 %	67-125
Dibromofluoromethane	1868-53-7	46	50.0	91 %	69-111
Toluene-d8	2037-26-5	53	50.0	106 %	85-120

ANALYTICAL REPORT

Sample ID: 4112 MW-23
Lab #: C704493-09

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

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D12008
Arsenic	7440-38-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Barium	7440-39-3	**66.8** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D12002
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D12002
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D12002
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Cobalt	7440-48-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Copper	7440-50-8	0.60 U	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Nickel	7440-02-0	2.0 U	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D12002
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Thallium	7440-28-0	0.044 U	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D12008
Vanadium	7440-62-2	1.0 U	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D12002
Zinc	7440-66-6	**1.2** J	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002

ANALYTICAL REPORT

Sample ID:	4112 MW-24	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C704493-10	Work Order #:	C704493
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/14/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D13022		

Volatile Organic Compounds by GCMS

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

ANALYTICAL REPORT

Sample ID:	4112 MW-24	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C704493-10	Work Order #:	C704493
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/14/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D13022		

Volatile Organic Compounds by GCMS

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

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	64 S-GC	50.0	127 %	67-125
Dibromofluoromethane	1868-53-7	45	50.0	90 %	69-111
Toluene-d8	2037-26-5	53	50.0	105 %	85-120

ANALYTICAL REPORT

Sample ID: 4112 MW-24
Lab #: C704493-10

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

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D12008
Arsenic	7440-38-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Barium	7440-39-3	**332**	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D12002
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D12002
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D12002
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Cobalt	7440-48-4	**2.6** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Copper	7440-50-8	0.60 U	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Nickel	7440-02-0	**2.8** J	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D12002
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Thallium	7440-28-0	0.044 U	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D12008
Vanadium	7440-62-2	1.0 U	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D12002
Zinc	7440-66-6	1.0 U	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002

ANALYTICAL REPORT

Sample ID:	4112 MW-25	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C704493-11	Work Order #:	C704493
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/14/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D13022		

Volatile Organic Compounds by GCMS

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

ANALYTICAL REPORT

Sample ID:	4112 MW-25	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C704493-11	Work Order #:	C704493
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/14/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D13022		

Volatile Organic Compounds by GCMS

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

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	65 S-GC	50.0	131 %	67-125
Dibromofluoromethane	1868-53-7	46	50.0	91 %	69-111
Toluene-d8	2037-26-5	53	50.0	107 %	85-120

ANALYTICAL REPORT

Sample ID: 4112 MW-25
Lab #: C704493-11

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

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D12008
Arsenic	7440-38-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Barium	7440-39-3	**28.7** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D12002
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D12002
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D12002
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Cobalt	7440-48-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Copper	7440-50-8	**3.00** J	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Nickel	7440-02-0	2.0 U	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D12002
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Thallium	7440-28-0	0.044 U	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D12008
Vanadium	7440-62-2	**2.2** J	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D12002
Zinc	7440-66-6	**3.1** J	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002

ANALYTICAL REPORT

Sample ID:	4112 MW-25B	Project:	White Street Landfill AppI Monitoring Well
Lab #:	C704493-12	Work Order #:	C704493
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/14/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D13022		

Volatile Organic Compounds by GCMS

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

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ANALYTICAL REPORT

Sample ID:	4112 MW-25B	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C704493-12	Work Order #:	C704493
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/14/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D13022		

Volatile Organic Compounds by GCMS

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

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	67 S-GC	50.0	134 %	67-125
Dibromofluoromethane	1868-53-7	45	50.0	90 %	69-111
Toluene-d8	2037-26-5	56	50.0	113 %	85-120

ANALYTICAL REPORT

Sample ID: 4112 MW-25B
Lab #: C704493-12

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

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D12008
Arsenic	7440-38-2	**2.9** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Barium	7440-39-3	**12.0** J	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D12002
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D12002
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D12002
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Cobalt	7440-48-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Copper	7440-50-8	**1.10** J	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Nickel	7440-02-0	2.0 U	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D12002
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Silver	7440-22-4	**2.6** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Thallium	7440-28-0	0.044 U	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D12008
Vanadium	7440-62-2	**5.1** J	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D12002
Zinc	7440-66-6	1.0 U	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002

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ANALYTICAL REPORT

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

Volatile Organic Compounds by GCMS

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

ANALYTICAL REPORT

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

Volatile Organic Compounds by GCMS

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

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

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ANALYTICAL REPORT

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

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

Metals by EPA 6000/7000 Series Methods

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

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ANALYTICAL REPORT

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

Volatile Organic Compounds by GCMS

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

ANALYTICAL REPORT

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

Volatile Organic Compounds by GCMS

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

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

ANALYTICAL REPORT

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

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

Metals by EPA 6000/7000 Series Methods

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

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ANALYTICAL REPORT

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

Volatile Organic Compounds by GCMS

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

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ANALYTICAL REPORT

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

Volatile Organic Compounds by GCMS

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

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

ANALYTICAL REPORT

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

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

Metals by EPA 6000/7000 Series Methods

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

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ANALYTICAL REPORT

Sample ID:	4112 DUPLICATE-III	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C704493-18	Work Order #:	C704493
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/16/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D16016		

Volatile Organic Compounds by GCMS

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

ANALYTICAL REPORT

Sample ID:	4112 DUPLICATE-III	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C704493-18	Work Order #:	C704493
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/16/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D16016		

Volatile Organic Compounds by GCMS

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

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	64 S-GC	50.0	127 %	67-125
Dibromofluoromethane	1868-53-7	46	50.0	92 %	69-111
Toluene-d8	2037-26-5	52	50.0	105 %	85-120

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ANALYTICAL REPORT

Sample ID: 4112 DUPLICATE-III
Lab #: C704493-18

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

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D12008
Arsenic	7440-38-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Barium	7440-39-3	**347**	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D12002
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D12002
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D12002
Chromium	7440-47-3	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Cobalt	7440-48-4	**2.7** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Copper	7440-50-8	0.60 U	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Lead	7439-92-1	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Nickel	7440-02-0	**3.2** J	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D12002
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002
Thallium	7440-28-0	0.044 U	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D12008
Vanadium	7440-62-2	1.0 U	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D12002
Zinc	7440-66-6	1.0 U	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12002

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ANALYTICAL REPORT

Sample ID:	4112 Trip Blank#3	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C704493-19	Work Order #:	C704493
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/16/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D16016		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	1	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	1	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	1	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	1	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	1	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	1	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	1	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	1	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	**0.97** J	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	1	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	1	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	1	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	1	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	1	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	1	ug/L

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ANALYTICAL REPORT

Sample ID:	4112 Trip Blank#3	Project:	White Street Landfill Appl Monitoring Well
Lab #:	C704493-19	Work Order #:	C704493
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/16/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7D16016		

Volatile Organic Compounds by GCMS

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

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	61	50.0	122 %	67-125
Dibromofluoromethane	1868-53-7	44	50.0	88 %	69-111
Toluene-d8	2037-26-5	54	50.0	109 %	85-120

QUALITY CONTROL

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

Volatile Organic Compounds by GCMS - Quality Control

Batch 7D13022 - EPA 5030B_MS

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

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

QUALITY CONTROL

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

QUALITY CONTROL

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

QUALITY CONTROL

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

QUALITY CONTROL

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

NOTES AND DEFINITIONS

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

LABORATORY CERTIFICATION SUMMARY

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

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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

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

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

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

Requested Analyses

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

___ Standard

___ Expedited

Due ___/___/___

Lab Workorder: C704493

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

Preservation (See Codes) (Combine as necessary)

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
CARY	4/4/07		4/10/07 1725		4/10/07 1726
Comments		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time
		Cooler #'s & Temps on Receipt: 2.0°C		Condition Upon Receipt: ___ Acceptable ___ Unacceptable	

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

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

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

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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

Requested Analyses

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
	4112 SW-1	4/10/07	0915	G	Water	4	X	X	
	4112 SW-2	4/10/07	0745	G	Water	4	X	X	
	4112 SW-3	4/10/07	0845	G	Water	4	X	X	
	4103 SW-4	4/10/07	1100	G	Water	4	X	X	
	4103 SW-5	4/10/07	1035	G	Water	4	X	X	
	4112 DUPLICATE-III	4/9/07	1330	G	Water	4	X	X	
	4112 Trip Blank#3				Water	3	X		

<-- Total # of Containers

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

___ Standard

___ Expedited

Due ___/___/___

Lab Workorder: C704493

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

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

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

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

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

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Wednesday, April 25, 2007

S&ME, Inc. (SM004)

Attn: Edmund Henriques

3718 Old Battleground Rd.

Greensboro, NC 27410

RE: Project Number: [none], Project Name/Desc: White Street Landfill Leachate
ENCO Workorder: C704495

Dear Edmund Henriques,

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

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

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

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

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

Sincerely,

Stephanie Franz For Chuck Smith
Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 15.

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: 4103 Leachate **Lab ID:** C704495-01

Sampled: 04/10/07 16:20 **Received:** 04/10/07 17:25

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 150.1	04/10/07 16:34	04/12/07 12:00	4/12/2007 12:00
EPA 353.2	04/12/07 16:20	04/11/07 14:58	4/11/2007 18:41
EPA 353.2	05/08/07	04/11/07 14:58	4/11/2007 19:46
EPA 353.2	05/08/07	04/17/07 17:57	4/17/2007 17:57
EPA 365.4	05/08/07	04/13/07 10:50	4/16/2007 17:14
EPA 375.4	05/08/07	04/18/07 10:18	4/18/2007 20:29
EPA 405.1	04/12/07 16:20 04/16/07	04/11/07 13:00	4/16/2007 09:30
EPA 410.4	05/08/07	04/16/07 08:06	4/17/2007 13:45
EPA 6010B	10/07/07	04/12/07 09:24	4/13/2007 11:53
EPA 6020	10/07/07	04/12/07 11:05	4/16/2007 16:57
EPA 8260B	04/24/07	04/18/07 14:32	4/18/2007 18:27

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NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: 4103 Leachate — **Lab ID: C704495-01**

Analyte	Results/Qual		DF	MDL	MRL	NC SWSL	Units	Method
2-Butanone	7500	D	100	56	500	100	ug/L	EPA 8260B
Acetone	6800	D	100	90	500	100	ug/L	EPA 8260B
Antimony	56.1		1	0.58	2.00	6	ug/L	EPA 6020
Arsenic	23.4		1	2.0	10.0	10	ug/L	EPA 6010B
Barium	609		1	0.20	10.0	100	ug/L	EPA 6010B
Biochemical Oxygen Demand	3400		1	2.0	2.0	NE	mg/L	EPA 405.1
Chemical Oxygen Demand	5400	D	10	100	100	NE	mg/L	EPA 410.4
Chromium	35.0		1	2.0	10.0	10	ug/L	EPA 6010B
Cobalt	25.8		1	2.0	10.0	10	ug/L	EPA 6010B
Ethylbenzene	87	J, D	100	17	100	1	ug/L	EPA 8260B
Lead	4.9	J	1	2.0	10.0	10	ug/L	EPA 6010B
Nickel	164		1	2.0	10.0	50	ug/L	EPA 6010B
Nitrate as N	0.46		1	0.0066	0.10	NE	mg/L	EPA 353.2
Nitrite as N	0.032	J	1	0.0059	0.10	NE	mg/L	EPA 353.2
o-Xylene	240	D	100	14	100	NE	ug/L	EPA 8260B
Phosphorus	3.6		1	0.020	0.030	NE	mg/L	EPA 365.4
Sulfate as SO4	3.1	J	1	0.60	5.0	NE	mg/L	EPA 375.4
Toluene	150	D	100	15	100	1	ug/L	EPA 8260B
Vanadium	36.2		1	1.0	10.0	25	ug/L	EPA 6010B
Zinc	87.8		1	1.0	10.0	10	ug/L	EPA 6010B

ANALYTICAL REPORT

Sample ID:	4103 Leachate	Project:	White Street Landfill Leachate
Lab #:	C704495-01	Work Order #:	C704495
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/18/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	100
Anal. Batch:			
QC Batch:	7D18020		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
1,1,1,2-Tetrachloroethane	630-20-6	16 U, D	16	100	5	ug/L
1,1,1-Trichloroethane	71-55-6	24 U, D	24	100	1	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	27 U, D	27	100	1	ug/L
1,1,2-Trichloroethane	79-00-5	24 U, D	24	100	5	ug/L
1,1-Dichloroethane	75-34-3	9.0 U, D	9.0	100	5	ug/L
1,1-Dichloroethene	75-35-4	14 U, D	14	100	5	ug/L
1,2,3-Trichloropropane	96-18-4	32 U, D	32	100	1	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	19 U, D	19	100	1	ug/L
1,2-Dibromoethane	106-93-4	19 U, D	19	100	1	ug/L
1,2-Dichlorobenzene	95-50-1	17 U, D	17	100	5	ug/L
1,2-Dichloroethane	107-06-2	36 U, D	36	100	1	ug/L
1,2-Dichloropropane	78-87-5	18 U, D	18	100	1	ug/L
1,4-Dichlorobenzene	106-46-7	15 U, D	15	100	1	ug/L
2-Butanone	78-93-3	**7500** D	56	500	100	ug/L
2-Hexanone	591-78-6	24 U, D	24	500	50	ug/L
4-Methyl-2-pentanone	108-10-1	36 U, D	36	500	100	ug/L
Acetone	67-64-1	**6800** D	90	500	100	ug/L
Acrylonitrile	107-13-1	200 U, D	200	500	200	ug/L
Benzene	71-43-2	12 U, D	12	100	1	ug/L
Bromochloromethane	74-97-5	19 U, D	19	100	3	ug/L
Bromodichloromethane	75-27-4	19 U, D	19	40	1	ug/L
Bromoform	75-25-2	36 U, D	36	100	3	ug/L
Bromomethane	74-83-9	21 U, D	21	100	10	ug/L
Carbon disulfide	75-15-0	12 U, D	12	500	100	ug/L
Carbon tetrachloride	56-23-5	38 U, D	38	100	1	ug/L
Chlorobenzene	108-90-7	16 U, D	16	100	3	ug/L
Chloroethane	75-00-3	40 U, D	40	100	10	ug/L
Chloroform	67-66-3	16 U, D	16	100	5	ug/L
Chloromethane	74-87-3	18 U, D	18	100	1	ug/L
cis-1,2-Dichloroethene	156-59-2	14 U, D	14	100	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	16 U, D	16	20	1	ug/L
Dibromochloromethane	124-48-1	18 U, D	18	100	1	ug/L
Dibromomethane	74-95-3	14 U, D	14	100	10	ug/L
Ethylbenzene	100-41-4	**87** J, D	17	100	1	ug/L
Iodomethane	74-88-4	23 U, D	23	200	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	21 U, D	21	200	NE	ug/L
Methylene chloride	75-09-2	8.8 U, D	8.8	200	1	ug/L

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ANALYTICAL REPORT

Sample ID:	4103 Leachate	Project:	White Street Landfill Leachate
Lab #:	C704495-01	Work Order #:	C704495
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	04/18/07 By: ref	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	100
Anal. Batch:			
QC Batch:	7D18020		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWSL	Units
o-Xylene	95-47-6	**240** D	14	100	NE	ug/L
Styrene	100-42-5	12 U, D	12	100	1	ug/L
Tetrachloroethene	127-18-4	25 U, D	25	100	1	ug/L
Toluene	108-88-3	**150** D	15	100	1	ug/L
trans-1,2-Dichloroethene	156-60-5	10 U, D	10	100	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	18 U, D	18	20	1	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	60 U, D	60	100	100	ug/L
Trichloroethene	79-01-6	23 U, D	23	100	1	ug/L
Trichlorofluoromethane	75-69-4	16 U, D	16	100	1	ug/L
Vinyl acetate	108-05-4	19 U, D	19	200	50	ug/L
Vinyl chloride	75-01-4	15 U, D	15	100	1	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	60 S-GC	50.0	120 %	67-125
Dibromofluoromethane	1868-53-7	44	50.0	87 %	69-111
Toluene-d8	2037-26-5	50	50.0	100 %	85-120

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ANALYTICAL REPORT

Sample ID: 4103 Leachate
Lab #: C704495-01

Project: White Street Landfill Leachate
Work Order #: C704495
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	**56.1**	1	0.58	2.00	6	ug/L	EPA 6020	EPA 3005A	7D12008
Arsenic	7440-38-2	**23.4**	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12005
Barium	7440-39-3	**609**	1	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7D12005
Beryllium	7440-41-7	0.70 U	1	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D12005
Cadmium	7440-43-9	0.50 U	1	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7D12005
Chromium	7440-47-3	**35.0**	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12005
Cobalt	7440-48-4	**25.8**	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12005
Copper	7440-50-8	0.60 U	1	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12005
Lead	7439-92-1	**4.9** J	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12005
Nickel	7440-02-0	**164**	1	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7D12005
Selenium	7782-49-2	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12005
Silver	7440-22-4	2.0 U	1	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12005
Thallium	7440-28-0	0.044 U	1	0.044	0.050	5.5	ug/L	EPA 6020	EPA 3005A	7D12008
Vanadium	7440-62-2	**36.2**	1	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7D12005
Zinc	7440-66-6	**87.8**	1	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7D12005

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ANALYTICAL REPORT

Sample ID: 4103 Leachate
Lab #: C704495-01

Project: White Street Landfill Leachate
Work Order #: C704495
Matrix: Ground Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Biochemical Oxygen Demand	NA	**3400**	1	2.0	2.0	NE	mg/L	EPA 405.1	NO PREP	7D11019
Chemical Oxygen Demand	NA	**5400** D	10	100	100	NE	mg/L	EPA 410.4	Same	7D16001
Nitrate as N	14797-55-8	**0.46**	1	0.0066	0.10	NE	mg/L	EPA 353.2	Same	7D17028
Nitrate/Nitrite as N	NA	**0.49**	1	0.0066	0.10		mg/L	EPA 353.2	NO PREP	7D11027
Nitrite as N	14797-65-0	**0.032** J	1	0.0059	0.10	NE	mg/L	EPA 353.2	NO PREP	7D11025
pH	NA	**6.6** Q	1	1.0	1.0		pH Units	EPA 150.1	NO PREP	7D20009
Sulfate as SO4	14808-79-8	**3.1** J	1	0.60	5.0	NE	mg/L	EPA 375.4	NO PREP	7D18008

ANALYTICAL REPORT

Sample ID: 4103 Leachate
Lab #: C704495-01

Project: White Street Landfill Leachate
Work Order #: C704495
Matrix: Ground Water

Classical Chemistry Parameters

Parameter	CAS Number	Analytical Results	DF	MDL	MRL	NC SWSL	Units	Analysis Method	Prep Method	Analytical Batch
Phosphorus	7723-14-0	**3.6**	1	0.020	0.030	NE	mg/L	EPA 365.4	Same	7D12014

QUALITY CONTROL

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

Volatile Organic Compounds by GCMS - Quality Control

Batch 7D18020 - EPA 5030B_MS

Blank (7D18020-BLK1) Prepared: 04/18/2007 14:14 Analyzed: 04/18/2007 15:58

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

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Volatile Organic Compounds by GCMS - Quality Control										
Batch 7D18020 - EPA 5030B_MS										
Blank (7D18020-BLK1) Continued				Prepared: 04/18/2007 14:14 Analyzed: 04/18/2007 15:58						
Vinyl chloride	0.15 U	1.0	ug/L							
m,p-Xylenes	0.21 U	2.0	ug/L							
o-Xylene	0.14 U	1.0	ug/L							
LCS (7D18020-BS1)				Prepared: 04/18/2007 14:14 Analyzed: 04/18/2007 16:24						
Benzene	20	1.0	ug/L	20.0		101	76-116			
Trichloroethene	21	1.0	ug/L	20.0		107	81-118			
Chlorobenzene	20	1.0	ug/L	20.0		102	75-115			
1,1-Dichloroethene	19	1.0	ug/L	20.0		93	57-141			
Toluene	19	1.0	ug/L	20.0		93	77-120			
Matrix Spike (7D18020-MS1)		**Source: C702674-11**		Prepared: 04/18/2007 14:14 Analyzed: 04/18/2007 17:08						
Benzene	17	1.0	ug/L	20.0	0.12 U	83	76-116			
Trichloroethene	20	1.0	ug/L	20.0	0.23 U	99	81-118			
Chlorobenzene	19	1.0	ug/L	20.0	0.16 U	93	75-115			
1,1-Dichloroethene	17	1.0	ug/L	20.0	0.14 U	83	57-141			
Toluene	16	1.0	ug/L	20.0	0.15 U	82	77-120			
Matrix Spike Dup (7D18020-MSD1)		**Source: C702674-11**		Prepared: 04/18/2007 14:14 Analyzed: 04/19/2007 15:15						
Benzene	21 QR-02	1.0	ug/L	20.0	0.12 U	105	76-116	23	14	QR-02
Trichloroethene	22	1.0	ug/L	20.0	0.23 U	111	81-118	11	11	
Chlorobenzene	21 QR-02	1.0	ug/L	20.0	0.16 U	106	75-115	13	12	QR-02
1,1-Dichloroethene	18	1.0	ug/L	20.0	0.14 U	91	57-141	9	12	
Toluene	19	1.0	ug/L	20.0	0.15 U	94	77-120	13	17	
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 7D12005 - EPA 3005A										
Blank (7D12005-BLK1)				Prepared: 04/12/2007 09:24 Analyzed: 04/13/2007 10:11						
Arsenic	2.0 U	10.0	ug/L							
Barium	0.20 U	10.0	ug/L							
Beryllium	0.70 U	1.00	ug/L							
Cadmium	0.50 U	1.00	ug/L							
Chromium	2.0 U	10.0	ug/L							
Cobalt	2.0 U	10.0	ug/L							
Copper	0.60 U	10.0	ug/L							
Lead	2.0 U	10.0	ug/L							
Nickel	2.0 U	10.0	ug/L							
Selenium	2.0 U	10.0	ug/L							
Silver	2.0 U	10.0	ug/L							
Vanadium	1.0 U	10.0	ug/L							
Zinc	1.50 J	10.0	ug/L							
LCS (7D12005-BS1)				Prepared: 04/12/2007 09:24 Analyzed: 04/13/2007 10:22						
Arsenic	958	10.0	ug/L	1000		96	82-117			
Barium	1060	10.0	ug/L	1000		106	72-125			
Beryllium	486	1.00	ug/L	500		97	75-121			
Cadmium	477	1.00	ug/L	500		95	72-120			
Chromium	936	10.0	ug/L	1000		94	78-119			

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 7D12005 - EPA 3005A										
LCS (7D12005-BS1) Continued				Prepared: 04/12/2007 09:24 Analyzed: 04/13/2007 10:22						
Cobalt	944	10.0	ug/L	1000		94	76-117			
Copper	468	10.0	ug/L	500		94	80-117			
Lead	947	10.0	ug/L	1000		95	72-121			
Nickel	960	10.0	ug/L	1000		96	78-116			
Selenium	980	10.0	ug/L	1000		98	82-127			
Silver	93.5	10.0	ug/L	100		94	80-128			
Vanadium	462	10.0	ug/L	500		92	78-117			
Zinc	947	10.0	ug/L	1000		95	80-120			
Matrix Spike (7D12005-MS1)		**Source: C705059-01**		Prepared: 04/12/2007 09:24 Analyzed: 04/13/2007 10:38						
Arsenic	929	10.0	ug/L	1000	3.3	93	64-126			
Barium	1090	10.0	ug/L	1000	67.2	102	74-119			
Beryllium	469	1.00	ug/L	500	0.70 U	94	70-131			
Cadmium	459	1.00	ug/L	500	0.50 U	92	68-121			
Chromium	951	10.0	ug/L	1000	55.1	90	73-120			
Cobalt	914	10.0	ug/L	1000	3.8	91	76-120			
Copper	486	10.0	ug/L	500	35.7	90	75-123			
Lead	928	10.0	ug/L	1000	10.2	92	68-126			
Nickel	953	10.0	ug/L	1000	36.3	92	64-126			
Selenium	942	10.0	ug/L	1000	2.0 U	94	65-129			
Silver	91.0	10.0	ug/L	100	2.0 U	91	69-121			
Vanadium	451	10.0	ug/L	500	7.10	89	71-130			
Zinc	1040	10.0	ug/L	1000	143	90	63-131			
Matrix Spike Dup (7D12005-MSD1)		**Source: C705059-01**		Prepared: 04/12/2007 09:24 Analyzed: 04/13/2007 10:45						
Arsenic	1010	10.0	ug/L	1000	3.3	101	64-126	8	12	
Barium	1190	10.0	ug/L	1000	67.2	112	74-119	8	11	
Beryllium	512	1.00	ug/L	500	0.70 U	102	70-131	9	21	
Cadmium	500	1.00	ug/L	500	0.50 U	100	68-121	9	12	
Chromium	1040	10.0	ug/L	1000	55.1	99	73-120	9	10	
Cobalt	1000	10.0	ug/L	1000	3.8	100	76-120	9	17	
Copper	530	10.0	ug/L	500	35.7	99	75-123	9	16	
Lead	1000	10.0	ug/L	1000	10.2	99	68-126	8	19	
Nickel	1040	10.0	ug/L	1000	36.3	100	64-126	9	12	
Selenium	1020	10.0	ug/L	1000	2.0 U	102	65-129	8	10	
Silver	97.3	10.0	ug/L	100	2.0 U	97	69-121	7	12	
Vanadium	494	10.0	ug/L	500	7.10	97	71-130	9	16	
Zinc	1140	10.0	ug/L	1000	143	99	63-131	9	24	
Batch 7D12008 - EPA 3005A										
Blank (7D12008-BLK1)				Prepared: 04/12/2007 11:05 Analyzed: 04/16/2007 15:16						
Antimony	0.58 U	2.00	ug/L							
Thallium	0.044 U	0.050	ug/L							
LCS (7D12008-BS1)				Prepared: 04/12/2007 11:05 Analyzed: 04/16/2007 15:38						
Antimony	59.7	2.00	ug/L	50.0		119	80-120			
Thallium	55.8	0.050	ug/L	50.0		112	80-120			
Matrix Spike (7D12008-MS1)		**Source: C704493-02**		Prepared: 04/12/2007 11:05 Analyzed: 04/16/2007 15:23						

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 7D12008 - EPA 3005A										
Matrix Spike (7D12008-MS1) Continued		**Source: C704493-02**		Prepared: 04/12/2007 11:05 Analyzed: 04/16/2007 15:23						
Antimony	67.1 QM-05	2.00	ug/L	50.0	0.58 U	134	70-130			QM-05
Thallium	63.8	0.050	ug/L	50.0	0.0660	128	70-130			
Matrix Spike Dup (7D12008-MSD1)		**Source: C704493-02**		Prepared: 04/12/2007 11:05 Analyzed: 04/16/2007 15:26						
Antimony	68.2 QM-05	2.00	ug/L	50.0	0.58 U	136	70-130	2	20	QM-05
Thallium	62.7	0.050	ug/L	50.0	0.0660	125	70-130	2	20	
Classical Chemistry Parameters - Quality Control										
Batch 7D11019 - NO PREP										
Blank (7D11019-BLK1)				Prepared: 04/11/2007 13:00 Analyzed: 04/16/2007 09:30						
Biochemical Oxygen Demand	2.0 U	2.0	mg/L							
LCS (7D11019-BS1)				Prepared: 04/11/2007 13:00 Analyzed: 04/16/2007 09:30						
Biochemical Oxygen Demand	220	2.0	mg/L	198		110	82-118			
Duplicate (7D11019-DUP1)		**Source: C705062-02**		Prepared: 04/11/2007 13:00 Analyzed: 04/16/2007 09:30						
Biochemical Oxygen Demand	2.0 U	2.0	mg/L		2.0 U				25	
Batch 7D11025 - NO PREP										
Blank (7D11025-BLK1)				Prepared: 04/11/2007 14:58 Analyzed: 04/11/2007 18:37						
Nitrite as N	0.0059 U	0.10	mg/L							
LCS (7D11025-BS1)				Prepared: 04/11/2007 14:58 Analyzed: 04/11/2007 18:39						
Nitrite as N	0.70	0.10	mg/L	0.750		93	80-120			
Matrix Spike (7D11025-MS1)		**Source: C704495-01**		Prepared: 04/11/2007 14:58 Analyzed: 04/11/2007 18:43						
Nitrite as N	0.68	0.10	mg/L	0.750	0.032	86	80-120			
Matrix Spike Dup (7D11025-MSD1)		**Source: C704495-01**		Prepared: 04/11/2007 14:58 Analyzed: 04/11/2007 18:45						
Nitrite as N	0.66	0.10	mg/L	0.750	0.032	84	80-120	3	25	
Batch 7D11027 - NO PREP										
Blank (7D11027-BLK1)				Prepared: 04/11/2007 14:58 Analyzed: 04/11/2007 19:28						
Nitrate/Nitrite as N	0.0066 U	0.10	mg/L							
LCS (7D11027-BS1)				Prepared: 04/11/2007 14:58 Analyzed: 04/11/2007 19:31						
Nitrate/Nitrite as N	1.2	0.10	mg/L	1.25		99	80-120			
Matrix Spike (7D11027-MS1)		**Source: C704495-01**		Prepared: 04/11/2007 14:58 Analyzed: 04/11/2007 19:48						
Nitrate/Nitrite as N	1.7	0.10	mg/L	1.25	0.49	100	80-120			
Matrix Spike Dup (7D11027-MSD1)		**Source: C704495-01**		Prepared: 04/11/2007 14:58 Analyzed: 04/11/2007 19:50						
Nitrate/Nitrite as N	1.2 QM-05	0.10	mg/L	1.25	0.49	61	80-120	33	25	QM-05
Batch 7D16001 - Same										
Blank (7D16001-BLK1)				Prepared: 04/16/2007 08:06 Analyzed: 04/17/2007 13:45						
Chemical Oxygen Demand	10 U	10	mg/L							
LCS (7D16001-BS1)				Prepared: 04/16/2007 08:06 Analyzed: 04/17/2007 13:45						
Chemical Oxygen Demand	540	10	mg/L	500		109	90-110			
Matrix Spike (7D16001-MS1)		**Source: C704676-01**		Prepared: 04/16/2007 08:06 Analyzed: 04/17/2007 13:45						
Chemical Oxygen Demand	580	10	mg/L	500	80	99	90-110			
Matrix Spike Dup (7D16001-MSD1)		**Source: C704676-01**		Prepared: 04/16/2007 08:06 Analyzed: 04/17/2007 13:45						

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Classical Chemistry Parameters - Quality Control										
Batch 7D16001 - Same										
Matrix Spike Dup (7D16001-MSD1) Continued		**Source: C704676-01**		Prepared: 04/16/2007 08:06 Analyzed: 04/17/2007 13:45						
Chemical Oxygen Demand	580	10	mg/L	500	80	101	90-110	1	15	
Batch 7D18008 - NO PREP										
Blank (7D18008-BLK1)				Prepared: 04/18/2007 10:18 Analyzed: 04/18/2007 19:43						
Sulfate as SO4	3.1 J	5.0	mg/L							
LCS (7D18008-BS1)				Prepared: 04/18/2007 10:18 Analyzed: 04/18/2007 19:47						
Sulfate as SO4	21	5.0	mg/L	20.0		103	80-120			
Matrix Spike (7D18008-MS1)		**Source: C704495-01**		Prepared: 04/18/2007 10:18 Analyzed: 04/18/2007 20:34						
Sulfate as SO4	24	5.0	mg/L	20.0	3.1	103	80-120			
Matrix Spike Dup (7D18008-MSD1)		**Source: C704495-01**		Prepared: 04/18/2007 10:18 Analyzed: 04/18/2007 20:39						
Sulfate as SO4	28 QM-07	5.0	mg/L	20.0	3.1	126	80-120	17	25	QM-07
Batch 7D20009 - NO PREP										
LCS (7D20009-BS1)				Prepared & Analyzed: 04/12/2007						
pH	7.0	1.0	pH Units	7.00		100	99-101			
Duplicate (7D20009-DUP1)		**Source: C704495-01**		Prepared & Analyzed: 04/12/2007						
pH	6.6	1.0	pH Units		6.6			0	25	

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Classical Chemistry Parameters - Quality Control										
Batch 7D12014 - Same										
Blank (7D12014-BLK1)				Prepared: 04/13/2007 10:50 Analyzed: 04/16/2007 16:46						
Phosphorus	0.020 U	0.030	mg/L							
LCS (7D12014-BS1)				Prepared: 04/13/2007 10:50 Analyzed: 04/16/2007 17:03						
Phosphorus	2.4	0.030	mg/L	2.50		97	87-114			
Matrix Spike (7D12014-MS1)		**Source: A701760-01**		Prepared: 04/13/2007 10:50 Analyzed: 04/16/2007 17:05						
Phosphorus	2.5	0.030	mg/L	2.50	0.071	97	74-121			
Matrix Spike Dup (7D12014-MSD1)		**Source: A701760-01**		Prepared: 04/13/2007 10:50 Analyzed: 04/16/2007 17:06						
Phosphorus	2.5	0.030	mg/L	2.50	0.071	98	74-121	2	11	

NOTES AND DEFINITIONS

D	Data reported from a dilution
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
Q	Analysis performed outside of method - specified holding time.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
S-GC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
U	Analyte included in the analysis, but not detected

LABORATORY CERTIFICATION SUMMARY

Analysis	Matrix	Cert ID	Cert Number
8260B Appendix 1	Water	NC	591
Antimony Total EPA 6020	Water	NC	591
Arsenic Total EPA 6010B	Water	NC	591
Barium Total EPA 6010B	Water	NC	591
Beryllium Total EPA 6010B	Water	NC	591
BOD 405.1	Water	NC	591
Cadmium Total EPA 6010B	Water	NC	591
Chromium Total EPA 6010B	Water	NC	591
Cobalt Total EPA 6010B	Water	NC	591
COD 410.4	Water	NC	591
Copper Total EPA 6010B	Water	NC	591
Lead Total EPA 6010B	Water	NC	591
Nickel Total EPA 6010B	Water	NC	591
Nitrate Calc 353.2	Water	NC	591
Nitrite as N 353.2	Water	NC	591
NOX 353.2	Water	NC	591
pH 150.1	Water	NC	591
Selenium Total EPA 6010B	Water	NC	591
Silver Total EPA 6010B	Water	NC	591
Thallium Total EPA 6020	Water	NC	591
Vanadium Total EPA 6010B	Water	NC	591
Zinc Total EPA 6010B	Water	NC	591
Phosphorus 365.4	Water	NC	424

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 Leachate
City/ST/Zip: Greensboro, NC 27410	PO # / Billing Info: 14742
Tel: (336) 288-7180 Fax: (336) 288-8980	Reporting Contact: Edmund Henriques
Sampler(s) Name, Affiliation (Print): Gary Simcox / Michael Cook	Billing Contact: Accounts Payable
Sampler(s) Signature: Michael Cook	Facility # (if required)

Requested Analyses

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

___ Standard

___ Expedited

Due ___/___/___

Lab Workorder: C704495

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	BOD 405.1	COD 410.4	Nitrate Calc 353.3	Nitrite as N 354.1,pH 150.1,Sulfate SM4500 SO4 E	NOX 353.3,P				Sample Comments
	4103 Leachate	4/10/07	1620	G	Water	8	X	X	X	X	X	X	X				

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
CARY	4/4/07	[signature]	4/10/07 1725	[signature]	4/10/07 1725
Comments		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time
		Cooler #'s & Temps on Receipt		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: Barium, total

Total Observations	216
Total Non-Detects	213
Pooled Mean	495.875
Pooled Std Dev	37.0778
Background Mean	491.889
Background Std Dev	48.6667

Background Wells
There are 2 background wells

Well	Samples	Non-Detects	% ND	Total
MW-15	18	18	100	9000
MW-16	18	17	94.4444	8708

Well	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-15	500	0	0	1926	107
MW-16	483.778	68.8251	0	2034	113

Compliance Wells
There are 10 compliance wells

Well	Samples	Non-Detects	% ND	Total
MW-17	18	18	100	9000
MW-18	18	18	100	9000
MW-19	18	17	94.4444	8569
MW-20	18	18	100	9000
MW-21	18	18	100	9000
MW-22	18	18	100	9000
MW-23	18	18	100	9000
MW-24	18	17	94.4444	8832
MW-25	18	18	100	9000
MW-25d	18	18	100	9000

Well	Mean	Std Dev	Dif From Bk	Std Err	Rank Sum	Rank Mean
MW-17	500	0	8.11111	10.7448	1926	107
MW-18	500	0	8.11111	10.7448	1926	107
MW-19	476.056	101.588	-15.8333	10.7448	2033	112.944
MW-20	500	0	8.11111	10.7448	1926	107
MW-21	500	0	8.11111	10.7448	1926	107
MW-22	500	0	8.11111	10.7448	1926	107
MW-23	500	0	8.11111	10.7448	1926	107
MW-24	490.667	39.598	-1.22222	10.7448	2035	113.056
MW-25	500	0	8.11111	10.7448	1926	107
MW-25d	500	0	8.11111	10.7448	1926	107

Analysis of Variance Statistics

SS Wells	12949.6
SS Total	295574

Kruskal-Wallis Statistics

Non-Detect Rank	107
Background Rank Sum	3960
Background Rank Mean	110
H Statistic	0.290351
H Adjusted for Ties	7.06601

Results

Ascii File: C:\WSLF\PhIII First 07 Event
Binary File:
Facility Name: White Street Landfill
Analyst: Connel Ware
Facility ID:
Parameter Suite:
Start Date: 12/30/1899
End Date: 06/13/2007

Parameter: Barium, total

Total Samples: 216
Total Non-Detect: 213
Percent Non-Detects: 98.6111%
Total Background Samples: 36
There are 2 background wells

Well	Samples	ND	% ND	Date	Result
MW-15	18	18	100	12/16/97	ND<500
				01/14/98	ND<500
				02/13/98	ND<500
				03/06/98	ND<500
				10/15/98	ND<500
				03/25/99	ND<500
				09/23/99	ND<500
				03/29/00	ND<500
				09/14/00	ND<500
				03/12/01	ND<500
				10/13/01	ND<500
				03/08/02	ND<500
				09/19/02	ND<500
				04/15/03	ND<500
				10/16/03	ND<500
				03/25/04	ND<500
				10/18/06	ND<500
				04/09/07	ND<500
MW-16	18	17	94.4444	12/16/97	ND<500
				01/14/98	ND<500
				02/13/98	ND<500
				03/06/98	ND<500
				10/15/98	ND<500
				03/25/99	ND<500
				09/23/99	ND<500
				03/29/00	ND<500
				09/14/00	ND<500
				03/12/01	ND<500
				10/13/01	ND<500
				03/08/02	ND<500
				09/19/02	ND<500
				04/15/03	ND<500
				10/16/03	ND<500
				03/25/04	ND<500
				10/18/06	ND<500
				04/09/07	208

There are 10 compliance wells

Well	Samples	ND	% ND	Date	Result
MW-17	18	18	100	12/16/97	ND<500
				01/14/98	ND<500
				02/13/98	ND<500
				03/06/98	ND<500
				10/15/98	ND<500
				03/25/99	ND<500
				09/23/99	ND<500
				03/29/00	ND<500
				09/14/00	ND<500
				03/12/01	ND<500
				10/13/01	ND<500
				03/08/02	ND<500
				09/19/02	ND<500
				04/15/03	ND<500
				10/16/03	ND<500
				03/25/04	ND<500
				10/18/06	ND<500
				04/09/07	ND<500
MW-18	18	18	100	12/16/97	ND<500
				01/14/98	ND<500
				02/13/98	ND<500
				03/06/98	ND<500
				10/15/98	ND<500
				03/25/99	ND<500
				09/23/99	ND<500
				03/29/00	ND<500
				09/14/00	ND<500
				03/12/01	ND<500
				10/13/01	ND<500
				03/08/02	ND<500
				09/19/02	ND<500
				04/15/03	ND<500
				10/16/03	ND<500
				03/25/04	ND<500
				10/18/06	ND<500
				04/09/07	ND<500
MW-19	18	17	94.4444	12/16/97	ND<500
				01/14/98	ND<500
				02/13/98	69
				03/06/98	ND<500
				10/15/98	ND<500
				03/25/99	ND<500
				09/23/99	ND<500
				03/29/00	ND<500
				09/14/00	ND<500
				03/12/01	ND<500
				10/13/01	ND<500
				03/08/02	ND<500
				09/19/02	ND<500
				04/15/03	ND<500

				10/16/03	ND<500
				03/25/04	ND<500
				10/18/06	ND<500
				04/09/07	ND<500
MW-20	18	18	100	12/16/97	ND<500
				01/14/98	ND<500
				02/13/98	ND<500
				03/06/98	ND<500
				10/15/98	ND<500
				03/25/99	ND<500
				09/23/99	ND<500
				03/29/00	ND<500
				09/14/00	ND<500
				03/12/01	ND<500
				10/13/01	ND<500
				03/08/02	ND<500
				09/19/02	ND<500
				04/15/03	ND<500
				10/16/03	ND<500
				03/25/04	ND<500
				10/18/06	ND<500
				04/09/07	ND<500
MW-21	18	18	100	12/16/97	ND<500
				01/14/98	ND<500
				02/13/98	ND<500
				03/06/98	ND<500
				10/15/98	ND<500
				03/25/99	ND<500
				09/23/99	ND<500
				03/29/00	ND<500
				09/14/00	ND<500
				03/12/01	ND<500
				10/13/01	ND<500
				03/08/02	ND<500
				09/19/02	ND<500
				04/15/03	ND<500
				10/16/03	ND<500
				03/25/04	ND<500
				10/18/06	ND<500
				04/09/07	ND<500
MW-22	18	18	100	12/16/97	ND<500
				01/14/98	ND<500
				02/13/98	ND<500
				03/06/98	ND<500
				10/15/98	ND<500
				03/25/99	ND<500
				09/23/99	ND<500
				03/29/00	ND<500
				09/14/00	ND<500
				03/12/01	ND<500
				10/13/01	ND<500
				03/08/02	ND<500
				09/19/02	ND<500
				04/15/03	ND<500

				10/16/03	ND<500
				03/25/04	ND<500
				10/18/06	ND<500
				04/09/07	ND<500
MW-23	18	18	100	12/16/97	ND<500
				01/14/98	ND<500
				02/13/98	ND<500
				03/06/98	ND<500
				10/15/98	ND<500
				03/25/99	ND<500
				09/23/99	ND<500
				03/29/00	ND<500
				09/14/00	ND<500
				03/12/01	ND<500
				10/13/01	ND<500
				03/08/02	ND<500
				09/19/02	ND<500
				04/15/03	ND<500
				10/16/03	ND<500
				03/25/04	ND<500
				10/18/06	ND<500
				04/09/07	ND<500
MW-24	18	17	94.4444	12/16/97	ND<500
				01/14/98	ND<500
				02/13/98	ND<500
				03/06/98	ND<500
				10/15/98	ND<500
				03/25/99	ND<500
				09/23/99	ND<500
				03/29/00	ND<500
				09/14/00	ND<500
				03/12/01	ND<500
				10/13/01	ND<500
				03/08/02	ND<500
				09/19/02	ND<500
				04/15/03	ND<500
				10/16/03	ND<500
				03/25/04	ND<500
				10/18/06	ND<500
				04/09/07	332
MW-25	18	18	100	12/16/97	ND<500
				01/14/98	ND<500
				02/13/98	ND<500
				03/06/98	ND<500
				10/15/98	ND<500
				03/25/99	ND<500
				09/23/99	ND<500
				03/29/00	ND<500
				09/14/00	ND<500
				03/12/01	ND<500
				10/13/01	ND<500
				03/08/02	ND<500
				09/19/02	ND<500
				04/15/03	ND<500

				10/16/03	ND<500
				03/25/04	ND<500
				10/18/06	ND<500
				04/09/07	ND<500
MW-25d	18	18	100	12/16/97	ND<500
				01/14/98	ND<500
				02/13/98	ND<500
				03/06/98	ND<500
				10/15/98	ND<500
				03/25/99	ND<500
				09/23/99	ND<500
				03/29/00	ND<500
				09/14/00	ND<500
				03/12/01	ND<500
				10/13/01	ND<500
				03/08/02	ND<500
				09/19/02	ND<500
				04/15/03	ND<500
				10/16/03	ND<500
				03/25/04	ND<500
				10/18/06	ND<500
				04/09/07	ND<500

There are 0 unused wells

Well	Samples	ND	% ND	Date	Result

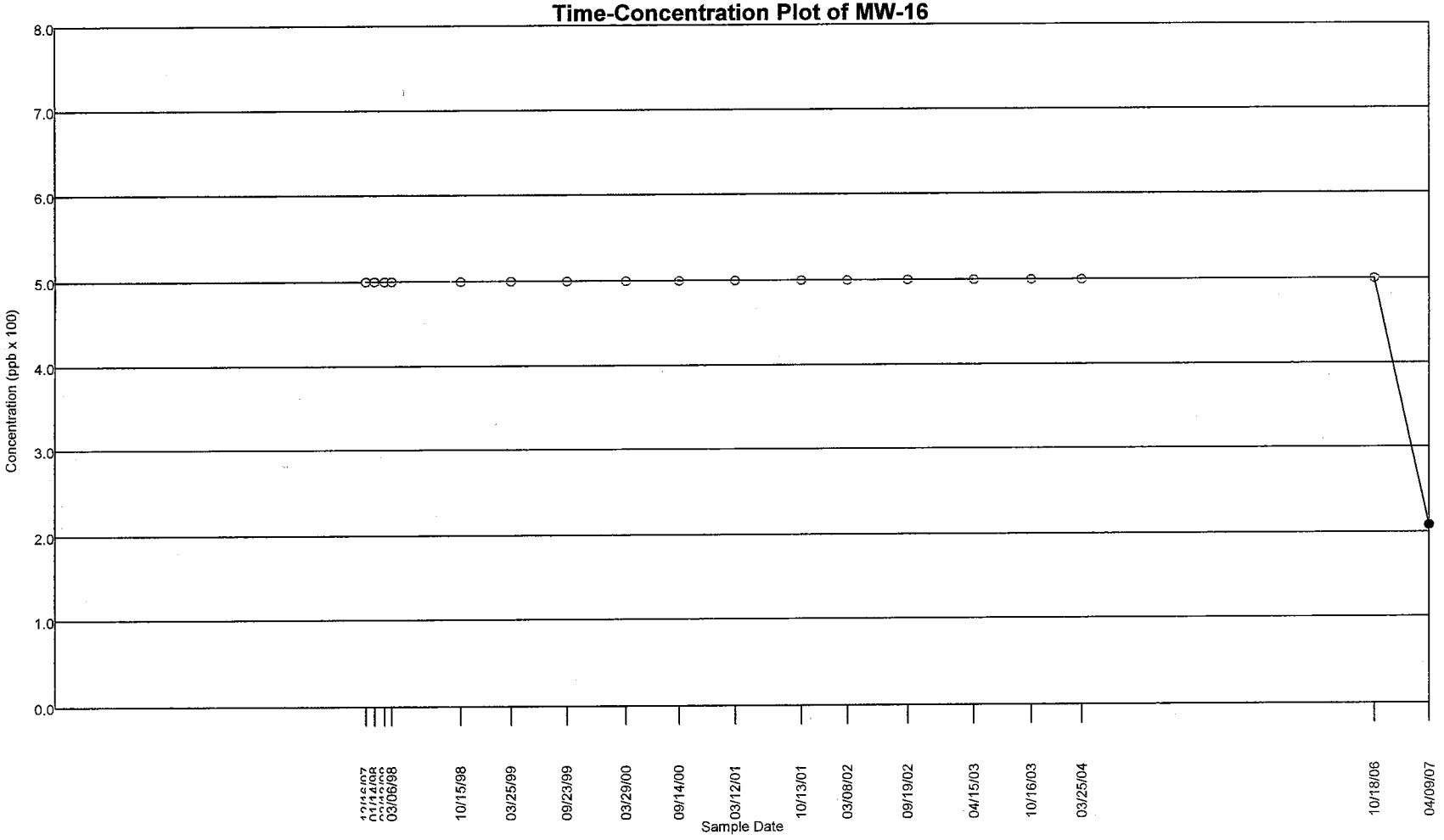
APPENDIX D

Time vs. Concentration Graphs

White Street Landfill

Barium, total

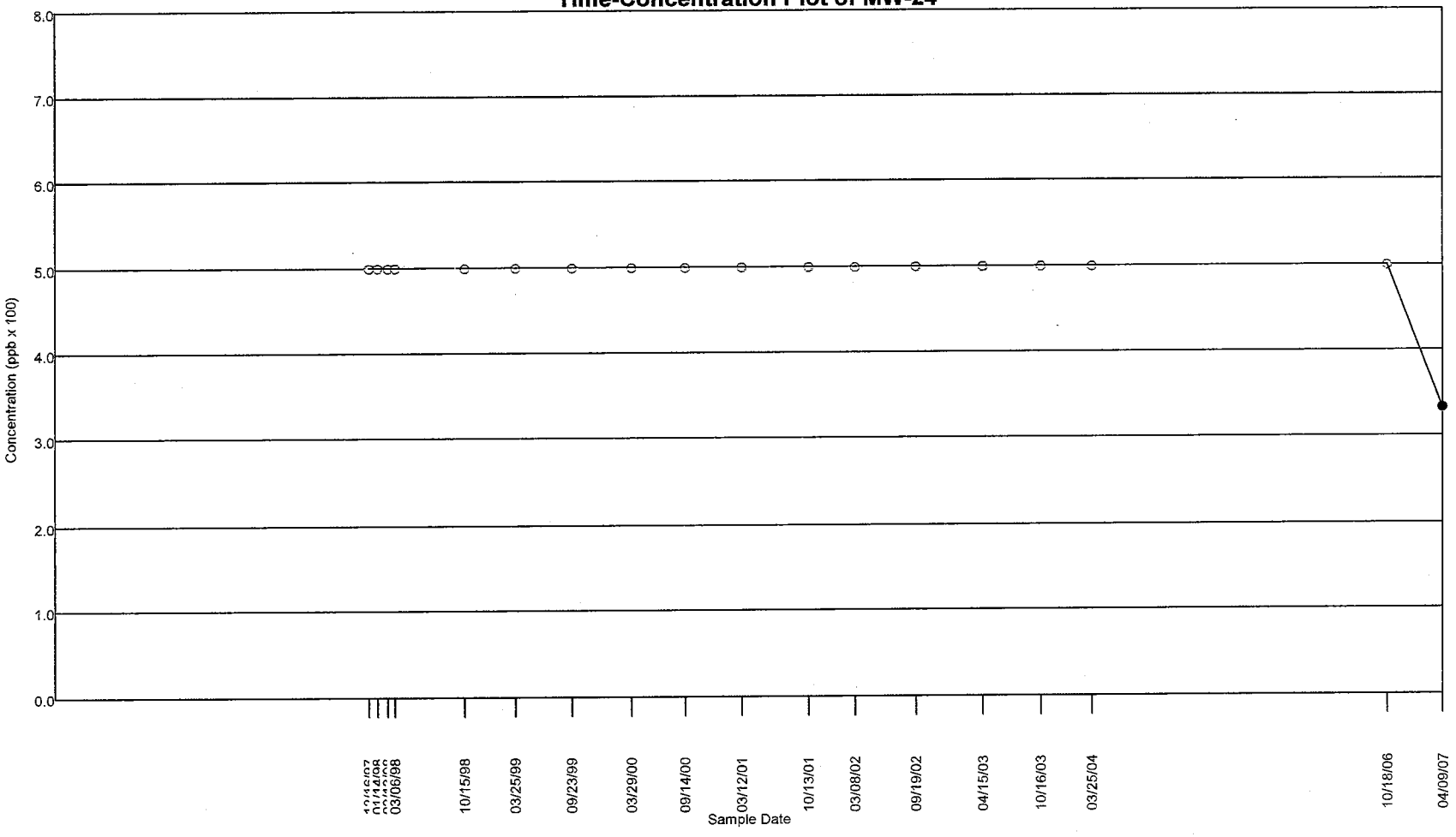
Time-Concentration Plot of MW-16



White Street Landfill

Barium, total

Time-Concentration Plot of MW-24



APPENDIX E

Data Distribution Tests

Shapiro-Francia Test of Normality

Parameter: Barium, total

All Wells

Normality Test of Parameter Concentrations

Total Sample Size = 216

i	x(i)	m(i)	sum(m^2)	sum(mx)
0	0	0	0	0
1	69	-2.65209	7.03356	-182.994
2	208	-2.36561	12.6297	-675.042
3	332	-2.22621	17.5857	-1414.14
4	500	-2.09693	21.9828	-2462.61
5	500	-1.99539	25.9644	-3460.31
6	500	-1.92684	29.6771	-4423.72
7	500	-1.85218	33.1077	-5349.81
8	500	-1.79912	36.3445	-6249.37
9	500	-1.7392	39.3693	-7118.97
10	500	-1.68494	42.2083	-7961.44
11	500	-1.64485	44.9139	-8783.87
12	500	-1.59819	47.4681	-9582.96
13	500	-1.56322	49.9117	-10364.6
14	500	-1.52203	52.2283	-11125.6
15	500	-1.48328	54.4285	-11867.2
16	500	-1.4538	56.542	-12594.1
17	500	-1.41865	58.5546	-13303.5
18	500	-1.39175	60.4915	-13999.3
19	500	-1.35946	62.3397	-14679.1
20	500	-1.32854	64.1047	-15343.3
21	500	-1.30469	65.8069	-15995.7
22	500	-1.27588	67.4348	-16633.6
23	500	-1.25357	69.0062	-17260.4
24	500	-1.22653	70.5106	-17873.7
25	500	-1.20036	71.9514	-18473.8
26	500	-1.18	73.3438	-19063.8
27	500	-1.15522	74.6784	-19641.5
28	500	-1.13113	75.9578	-20207
29	500	-1.11232	77.1951	-20763.2
30	500	-1.08935	78.3818	-21307.9
31	500	-1.07138	79.5296	-21843.5
32	500	-1.04939	80.6308	-22368.2
33	500	-1.02789	81.6874	-22882.2
34	500	-1.01104	82.7096	-23387.7
35	500	-0.990356	83.6904	-23882.9
36	500	-0.974114	84.6393	-24369.9
37	500	-0.954165	85.5497	-24847
38	500	-0.93459	86.4232	-25314.3
39	500	-0.919183	87.2681	-25773.9
40	500	-0.900227	88.0785	-26224
41	500	-0.885291	88.8622	-26666.7
42	500	-0.866894	89.6137	-27100.1
43	500	-0.848786	90.3342	-27524.5
44	500	-0.834498	91.0305	-27941.8
45	500	-0.816874	91.6978	-28350.2
46	500	-0.802956	92.3426	-28751.7
47	500	-0.785774	92.96	-29144.6
48	500	-0.768821	93.5511	-29529

49	500	-0.755415	94.1217	-29906.7
50	500	-0.738846	94.6676	-30276.1
51	500	-0.722479	95.1896	-30637.3
52	500	-0.709522	95.693	-30992.1
53	500	-0.693493	96.174	-31338.8
54	500	-0.680797	96.6375	-31679.2
55	500	-0.665079	97.0798	-32011.8
56	500	-0.649522	97.5017	-32336.5
57	500	-0.637192	97.9077	-32655.1
58	500	-0.621911	98.2944	-32966.1
59	500	-0.609791	98.6663	-33271
60	500	-0.594766	99.02	-33568.4
61	500	-0.579873	99.3563	-33858.3
62	500	-0.568052	99.679	-34142.3
63	500	-0.553384	99.9852	-34419
64	500	-0.541736	100.279	-34689.9
65	500	-0.52728	100.557	-34953.5
66	500	-0.51293	100.82	-35210
67	500	-0.501527	101.071	-35460.8
68	500	-0.487364	101.309	-35704.4
69	500	-0.476105	101.536	-35942.5
70	500	-0.462114	101.749	-36173.6
71	500	-0.448213	101.95	-36397.7
72	500	-0.437153	102.141	-36616.2
73	500	-0.423405	102.32	-36827.9
74	500	-0.409735	102.488	-37032.8
75	500	-0.398855	102.647	-37232.2
76	500	-0.385321	102.796	-37424.9
77	500	-0.374544	102.936	-37612.2
78	500	-0.361133	103.066	-37792.7
79	500	-0.347787	103.187	-37966.6
80	500	-0.337155	103.301	-38135.2
81	500	-0.323919	103.406	-38297.2
82	500	-0.31337	103.504	-38453.8
83	500	-0.300232	103.594	-38604
84	500	-0.287147	103.677	-38747.5
85	500	-0.276714	103.753	-38885.9
86	500	-0.263715	103.823	-39017.8
87	500	-0.253347	103.887	-39144.4
88	500	-0.240426	103.945	-39264.6
89	500	-0.227545	103.997	-39378.4
90	500	-0.217267	104.044	-39487
91	500	-0.204452	104.086	-39589.3
92	500	-0.194225	104.123	-39686.4
93	500	-0.181468	104.156	-39777.1
94	500	-0.168741	104.185	-39861.5
95	500	-0.158579	104.21	-39940.8
96	500	-0.1459	104.231	-40013.7
97	500	-0.133244	104.249	-40080.4
98	500	-0.123135	104.264	-40141.9
99	500	-0.110516	104.276	-40197.2
100	500	-0.100433	104.287	-40247.4
101	500	-0.0878447	104.294	-40291.3
102	500	-0.0752698	104.3	-40329
103	500	-0.0652187	104.304	-40361.6
104	500	-0.0526632	104.307	-40387.9
105	500	-0.0426257	104.309	-40409.2

106	500	-0.0300838	104.31	-40424.2
107	500	-0.0175476	104.31	-40433
108	500	-0.00751925	104.31	-40436.8
109	500	0.00751925	104.31	-40433
110	500	0.0175476	104.31	-40424.2
111	500	0.0300838	104.311	-40409.2
112	500	0.0426257	104.313	-40387.9
113	500	0.0526632	104.316	-40361.6
114	500	0.0652187	104.32	-40329
115	500	0.0752698	104.326	-40291.3
116	500	0.0878447	104.334	-40247.4
117	500	0.100433	104.344	-40197.2
118	500	0.110516	104.356	-40141.9
119	500	0.123135	104.371	-40080.4
120	500	0.133244	104.389	-40013.7
121	500	0.1459	104.41	-39940.8
122	500	0.158579	104.435	-39861.5
123	500	0.168741	104.464	-39777.1
124	500	0.181468	104.497	-39686.4
125	500	0.194225	104.534	-39589.3
126	500	0.204452	104.576	-39487
127	500	0.217267	104.623	-39378.4
128	500	0.227545	104.675	-39264.6
129	500	0.240426	104.733	-39144.4
130	500	0.253347	104.797	-39017.8
131	500	0.263715	104.867	-38885.9
132	500	0.276714	104.943	-38747.5
133	500	0.287147	105.026	-38604
134	500	0.300232	105.116	-38453.8
135	500	0.31337	105.214	-38297.2
136	500	0.323919	105.319	-38135.2
137	500	0.337155	105.433	-37966.6
138	500	0.347787	105.554	-37792.7
139	500	0.361133	105.684	-37612.2
140	500	0.374544	105.824	-37424.9
141	500	0.385321	105.973	-37232.2
142	500	0.398855	106.132	-37032.8
143	500	0.409735	106.3	-36827.9
144	500	0.423405	106.479	-36616.2
145	500	0.437153	106.67	-36397.7
146	500	0.448213	106.871	-36173.6
147	500	0.462114	107.084	-35942.5
148	500	0.476105	107.311	-35704.4
149	500	0.487364	107.549	-35460.8
150	500	0.501527	107.8	-35210
151	500	0.51293	108.063	-34953.5
152	500	0.52728	108.341	-34689.9
153	500	0.541736	108.635	-34419
154	500	0.553384	108.941	-34142.3
155	500	0.568052	109.264	-33858.3
156	500	0.579873	109.6	-33568.4
157	500	0.594766	109.954	-33271
158	500	0.609791	110.326	-32966.1
159	500	0.621911	110.712	-32655.1
160	500	0.637192	111.118	-32336.5
161	500	0.649522	111.54	-32011.8
162	500	0.665079	111.983	-31679.2

163	500	0.680797	112.446	-31338.8
164	500	0.693493	112.927	-30992.1
165	500	0.709522	113.43	-30637.3
166	500	0.722479	113.952	-30276.1
167	500	0.738846	114.498	-29906.7
168	500	0.755415	115.069	-29529
169	500	0.768821	115.66	-29144.6
170	500	0.785774	116.277	-28751.7
171	500	0.802956	116.922	-28350.2
172	500	0.816874	117.589	-27941.8
173	500	0.834498	118.286	-27524.5
174	500	0.848786	119.006	-27100.1
175	500	0.866894	119.758	-26666.7
176	500	0.885291	120.542	-26224
177	500	0.900227	121.352	-25773.9
178	500	0.919183	122.197	-25314.3
179	500	0.93459	123.07	-24847
180	500	0.954165	123.981	-24369.9
181	500	0.974114	124.93	-23882.9
182	500	0.990356	125.91	-23387.7
183	500	1.01104	126.933	-22882.2
184	500	1.02789	127.989	-22368.2
185	500	1.04939	129.09	-21843.5
186	500	1.07138	130.238	-21307.9
187	500	1.08935	131.425	-20763.2
188	500	1.11232	132.662	-20207
189	500	1.13113	133.942	-19641.5
190	500	1.15522	135.276	-19063.8
191	500	1.18	136.669	-18473.8
192	500	1.20036	138.109	-17873.7
193	500	1.22653	139.614	-17260.4
194	500	1.25357	141.185	-16633.6
195	500	1.27588	142.813	-15995.7
196	500	1.30469	144.515	-15343.3
197	500	1.32854	146.28	-14679.1
198	500	1.35946	148.128	-13999.3
199	500	1.39175	150.065	-13303.5
200	500	1.41865	152.078	-12594.1
201	500	1.4538	154.192	-11867.2
202	500	1.48328	156.392	-11125.6
203	500	1.52203	158.708	-10364.6
204	500	1.56322	161.152	-9582.96
205	500	1.59819	163.706	-8783.87
206	500	1.64485	166.412	-7961.44
207	500	1.68494	169.251	-7118.97
208	500	1.7392	172.276	-6249.37
209	500	1.79912	175.512	-5349.81
210	500	1.85218	178.943	-4423.72
211	500	1.92684	182.656	-3460.31
212	500	1.99539	186.637	-2462.61
213	500	2.09693	191.034	-1414.14
214	500	2.22621	195.99	-301.039
215	500	2.36561	201.586	881.768

Sample Standard Deviation = 37.0778
Numerator = 777515
Denominator = 5.95836e+007 = 215 201.586

W Statistic = 0.0130491
5% Critical value of 0.976 exceeds 0.0130491
Evidence of non-normality at 95% level of significance
1% Critical value of 0.967 exceeds 0.0130491
Evidence of non-normality at 99% level of significance

APPENDIX F

Non-Parametric Upper Tolerance Limit Computations

Non-Parametric Tolerance Interval
Parameter: Barium, total

Total Percent Non-Detects = 98.6111%
Background Samples (n) = 36
Maximum Background Concentration = 500
Minimum Coverage = 92%
Average Coverage = 97.2973%

Well	Sample	Result	Impacted
MW-17	12/16/97	ND<500	FALSE
MW-17	01/14/98	ND<500	FALSE
MW-17	02/13/98	ND<500	FALSE
MW-17	03/06/98	ND<500	FALSE
MW-17	10/15/98	ND<500	FALSE
MW-17	03/25/99	ND<500	FALSE
MW-17	09/23/99	ND<500	FALSE
MW-17	03/29/00	ND<500	FALSE
MW-17	09/14/00	ND<500	FALSE
MW-17	03/12/01	ND<500	FALSE
MW-17	10/13/01	ND<500	FALSE
MW-17	03/08/02	ND<500	FALSE
MW-17	09/19/02	ND<500	FALSE
MW-17	04/15/03	ND<500	FALSE
MW-17	10/16/03	ND<500	FALSE
MW-17	03/25/04	ND<500	FALSE
MW-17	10/18/06	ND<500	FALSE
MW-17	04/09/07	ND<500	FALSE
MW-18	12/16/97	ND<500	FALSE
MW-18	01/14/98	ND<500	FALSE
MW-18	02/13/98	ND<500	FALSE
MW-18	03/06/98	ND<500	FALSE
MW-18	10/15/98	ND<500	FALSE
MW-18	03/25/99	ND<500	FALSE
MW-18	09/23/99	ND<500	FALSE
MW-18	03/29/00	ND<500	FALSE
MW-18	09/14/00	ND<500	FALSE
MW-18	03/12/01	ND<500	FALSE
MW-18	10/13/01	ND<500	FALSE
MW-18	03/08/02	ND<500	FALSE
MW-18	09/19/02	ND<500	FALSE
MW-18	04/15/03	ND<500	FALSE
MW-18	10/16/03	ND<500	FALSE
MW-18	03/25/04	ND<500	FALSE
MW-18	10/18/06	ND<500	FALSE
MW-18	04/09/07	ND<500	FALSE
MW-19	12/16/97	ND<500	FALSE
MW-19	01/14/98	ND<500	FALSE
MW-19	02/13/98	69	FALSE
MW-19	03/06/98	ND<500	FALSE
MW-19	10/15/98	ND<500	FALSE

MW-19	03/25/99	ND<500	FALSE
MW-19	09/23/99	ND<500	FALSE
MW-19	03/29/00	ND<500	FALSE
MW-19	09/14/00	ND<500	FALSE
MW-19	03/12/01	ND<500	FALSE
MW-19	10/13/01	ND<500	FALSE
MW-19	03/08/02	ND<500	FALSE
MW-19	09/19/02	ND<500	FALSE
MW-19	04/15/03	ND<500	FALSE
MW-19	10/16/03	ND<500	FALSE
MW-19	03/25/04	ND<500	FALSE
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MW-19	04/09/07	ND<500	FALSE
MW-20	12/16/97	ND<500	FALSE
MW-20	01/14/98	ND<500	FALSE
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MW-20	03/06/98	ND<500	FALSE
MW-20	10/15/98	ND<500	FALSE
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MW-20	09/23/99	ND<500	FALSE
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MW-20	03/12/01	ND<500	FALSE
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MW-20	03/08/02	ND<500	FALSE
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MW-20	03/25/04	ND<500	FALSE
MW-20	10/18/06	ND<500	FALSE
MW-20	04/09/07	ND<500	FALSE
MW-21	12/16/97	ND<500	FALSE
MW-21	01/14/98	ND<500	FALSE
MW-21	02/13/98	ND<500	FALSE
MW-21	03/06/98	ND<500	FALSE
MW-21	10/15/98	ND<500	FALSE
MW-21	03/25/99	ND<500	FALSE
MW-21	09/23/99	ND<500	FALSE
MW-21	03/29/00	ND<500	FALSE
MW-21	09/14/00	ND<500	FALSE
MW-21	03/12/01	ND<500	FALSE
MW-21	10/13/01	ND<500	FALSE
MW-21	03/08/02	ND<500	FALSE
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MW-21	04/15/03	ND<500	FALSE
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MW-21	03/25/04	ND<500	FALSE
MW-21	10/18/06	ND<500	FALSE
MW-21	04/09/07	ND<500	FALSE
MW-22	12/16/97	ND<500	FALSE
MW-22	01/14/98	ND<500	FALSE

MW-22	02/13/98	ND<500	FALSE
MW-22	03/06/98	ND<500	FALSE
MW-22	10/15/98	ND<500	FALSE
MW-22	03/25/99	ND<500	FALSE
MW-22	09/23/99	ND<500	FALSE
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MW-22	03/25/04	ND<500	FALSE
MW-22	10/18/06	ND<500	FALSE
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MW-23	01/14/98	ND<500	FALSE
MW-23	02/13/98	ND<500	FALSE
MW-23	03/06/98	ND<500	FALSE
MW-23	10/15/98	ND<500	FALSE
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MW-23	04/09/07	ND<500	FALSE
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MW-24	01/14/98	ND<500	FALSE
MW-24	02/13/98	ND<500	FALSE
MW-24	03/06/98	ND<500	FALSE
MW-24	10/15/98	ND<500	FALSE
MW-24	03/25/99	ND<500	FALSE
MW-24	09/23/99	ND<500	FALSE
MW-24	03/29/00	ND<500	FALSE
MW-24	09/14/00	ND<500	FALSE
MW-24	03/12/01	ND<500	FALSE
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MW-24	10/16/03	ND<500	FALSE
MW-24	03/25/04	ND<500	FALSE
MW-24	10/18/06	ND<500	FALSE
MW-24	04/09/07	332	FALSE

MW-25	12/16/97	ND<500	FALSE
MW-25	01/14/98	ND<500	FALSE
MW-25	02/13/98	ND<500	FALSE
MW-25	03/06/98	ND<500	FALSE
MW-25	10/15/98	ND<500	FALSE
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MW-25	09/23/99	ND<500	FALSE
MW-25	03/29/00	ND<500	FALSE
MW-25	09/14/00	ND<500	FALSE
MW-25	03/12/01	ND<500	FALSE
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MW-25	09/19/02	ND<500	FALSE
MW-25	04/15/03	ND<500	FALSE
MW-25	10/16/03	ND<500	FALSE
MW-25	03/25/04	ND<500	FALSE
MW-25	10/18/06	ND<500	FALSE
MW-25	04/09/07	ND<500	FALSE

MW-25d	12/16/97	ND<500	FALSE
MW-25d	01/14/98	ND<500	FALSE
MW-25d	02/13/98	ND<500	FALSE
MW-25d	03/06/98	ND<500	FALSE
MW-25d	10/15/98	ND<500	FALSE
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MW-25d	03/29/00	ND<500	FALSE
MW-25d	09/14/00	ND<500	FALSE
MW-25d	03/12/01	ND<500	FALSE
MW-25d	10/13/01	ND<500	FALSE
MW-25d	03/08/02	ND<500	FALSE
MW-25d	09/19/02	ND<500	FALSE
MW-25d	04/15/03	ND<500	FALSE
MW-25d	10/16/03	ND<500	FALSE
MW-25d	03/25/04	ND<500	FALSE
MW-25d	10/18/06	ND<500	FALSE
MW-25d	04/09/07	ND<500	FALSE

APPENDIX G

NC DENR Formatted Data Tables on CD