WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
PHASE III APPENDIX I DETECTION MONITORING
SEPTEMBER 2007 SAMPLING EVENT

S&ME Project No.1584-98-081

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The City of Greensboro

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November 28, 2007

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I hereby certify this 28th day of November 2007 that this report was prepared by me or under my direct supervision.

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1. EXECUTIVE SUMMARY

Twelve monitoring wells and three stream locations at the lined Subtitle D White Street Landfill were sampled on September 24, and 25, 2007. Ten wells (MW-17, MW-18, MW-19, MW-20, MW-21, MW-22, MW-23, MW-24, MW-25, and MW-25B) comprise the groundwater monitoring system for the lined Subtitle D solid waste disposal area of the landfill, also known as Phase III. Monitoring well MW-25 was dry during this sampling event. 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.

Groundwater Quality

Analytical results from the 11 Phase III monitoring wells detected the volatile organic compound acetone in MW-15 and MW-22 at estimated concentrations reported between the Method Detection Limit (MDL) and the North Carolina Solid Waste Section Limit (SWSL). These estimated concentrations were flagged as "J" values and were at reported concentrations less than the corresponding NCAC 2L groundwater quality standard for acetone.

The Appendix I metals, barium, chromium, cobalt, copper, nickel, vanadium, thallium, and zinc were detected at one or more of the eleven wells in Phase III. None of the reported quantified or estimated concentrations exceed the corresponding NCAC 2L groundwater quality standards.

Currently, there are no established North Carolina Groundwater Quality Standards for cobalt or vanadium. However, North Carolina has published a Public Health Goal (NCPHG) for both cobalt and vanadium, which is set at 70 μg/l, and 3.5 μg/L respectively. The NCPHG values have been established by toxicologists and are considered safe levels for the constituent of concern in private drinking water wells over a lifetime of consumption. Cobalt was only detected in the groundwater sample collected from monitoring well MW-24 during the current event at an estimated, "J" flagged reported concentration of 2.9 μg/L. This concentration is below the NCPHG for cobalt. Vanadium was detected in the groundwater samples collected from monitoring wells MW-17, MW-18, MW-19, MW-20, and MW-25B during the current event at an estimated, "J" flagged reported concentrations of 1.4 μg/l, 9.9 μg/l, 3.9 μg/l, 2.3 μg/L, and 2.8 μg/l respectively. The reported concentrations in monitoring wells MW-17, MW-20, and MW-25B are below the NCPHG for vanadium. However, the estimated concentrations reported in the groundwater samples from monitoring wells MW-18 and MW-19 are above the NCPHG for vanadium. S&ME previously prepared an Alternate Source Demonstration (ASD) for metals at the Facility. The ASD demonstrated that vanadium is naturally occurring in the in-situ soil at the Facility and is at sufficient concentrations within the soil to influence groundwater quality. Therefore, the exceedance of vanadium above the NCPHG should not reflect impact stemming from the Facility.

No other Appendix I metal was detected in any of the remaining Phase III monitoring wells sampled, on the dates the samples were collected.

Statistical analysis of the Appendix I data set resulted in no compliance wells showing a statistically significant increase above the statistically computed Upper Limits.

Surface Water Quality

Acetone, chloroform, bromodichloromethane, toluene, and dibromochloromethane were detected at one or more of the surface sample locations. With the exception of chloroform, bromodichloromethane, and toluene, the reported concentration were estimated values. Chloroform (8.4 μg/L) and dibromochloromethane (6.5 μg/L) were reported at quantified concentrations (above the SWSL value) only in the surface water sample from SW-3. There is currently no established NCAC 2B surface water standard established for either of these constituents. However, SW-3 is located upstream of the Facility and therefore should not reflect surface water impacts stemming from the Facility. Toluene was detected solely in the surface water sample SW-2 at a reported concentration of 4.2 μg/L, which is a quantified value (above the SWSL), but is less than the NCAC 2B surface water standard for toluene set at 11 μg/L.

The metals; barium, cobalt, nickel, thallium, and vanadium were detected at one or more of the surface water sample locations. The reported concentrations of these metals during the current surface water monitoring event were flagged as a "J" values and considered only estimated values.

Inorganic constituent copper was detected in the surface water samples collected at SW-1 and SW-3 at reported concentrations of 11.2 μg/L , and 10.3 μg/L respectively. These reported concentrations exceed the NCAC 2B surface water standard for copper set at 7 μg/L. However, sample locations SW-1 and SW-3 are located upstream of the White Street Landfill Facility, and should not reflect surface water impacts stemming from the Facility.

Inorganic constituent lead was detected at SW-1 and SW-2, however only the concentration at SW-1 of 11.2 μg/L was a quantified value. None of the reported concentrations exceed the NCAC 2B surface water standard of 25 μg/L for lead.

Inorganic constituent zinc was detected at SW-1, SW-2, and SW-3 at concentrations of 84.9 μg/L, 11.4 μg/L, and 60.4 μg/L respectively. However, only the concentrations at SW-1 and SW-3 exceeded the NCAC 2B standard of 50 μg/L. Sample locations SW-1 and SW-3 are located upstream of the White Street Landfill Facility; therefore, the constituents detected at these points should not reflect surface water impacts stemming from the Facility.

2. INTRODUCTION

White Street Landfill Phase III is a Solid Waste Management Facility (SWMF) located at the north end of White Street in northeastern Greensboro. The City of Greensboro operates this lined Subtitle D landfill under Solid Waste Permit #41-12. **Figure 1** is a map showing the monitor well locations. S&ME, Inc. (S&ME) was contracted by the

City of Greensboro to conduct this bi-annual water quality monitoring event. Two upgradient and 10 downgradient monitoring wells are located along the perimeter of the Phase III disposal area. Three surface water samples were collected in accordance with the approved site Sampling and Analysis Plan.

The Phase III monitoring well samples were analyzed for the full RCRA Subtitle D Appendix I parameters. The surface water samples were also analyzed for the Appendix I list of constituents. This report discusses the field procedures, summarizes the field measurements and analytical results, and presents the statistical evaluation results for the September 2007 water quality monitoring event.

3. SCOPE OF WORK

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

- Sampled the 11 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. METHODS EMPLOYED

4.1 Monitoring Well Sampling

Groundwater monitoring well sampling took place on September 24 and 25, 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 in each groundwater monitoring well as described in the monitoring well construction details reported in the "Baseline Groundwater Monitoring Report, Phase III" prepared by G.N. Richardson and Associates, dated May 1998, micro purge sampling techniques were used for groundwater sample collection. Monitoring well construction details from the same report were used to determine the volume of water in the monitoring wells. The groundwater elevation data are summarized in **Table 1**.

At each well, the purge rate and the drawdown of the water table were monitored as an indicator of how much stress the purging placed on the aquifer. The purge rates were calculated by recording the time required to fill a graduated cylinder. The purging flow rate was approximately 100 milliliters/minute (ml/min.). During purging, the depth to

water was periodically monitored and recorded on the groundwater sampling field data sheets.

For the Phase III sampling event, the measured drawdown in the sampled wells is generally less than 3 feet. The field data sheets are included in **Appendix A**. **Table 2** summarizes the results of the field measurements.

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.

Downgradient monitoring well MW-25 was dry during the current groundwater monitoring event.

4.2 Statistical Analysis of Data

4.2.1 Software

All data were analyzed using *ChemStat 6.2* software package. The *ChemPoint 4.4* 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 (September 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 non-parametric Upper Tolerance Limits (Inter-Well Comparisons) due to the large number of non-detects and the lack of normality. These methods have been proven to be reliable for large databases with a high portion of non-detect results.

4.3 Stream Sampling

Surface water sampling took place on September 25, 2007. Three stream samples (SW-1, SW-2, and SW-3) were collected in accordance with the approved site Sampling and Analysis Plan. The stream sample locations are indicated on **Figure 2**. The surface water samples were collected by immersing laboratory-supplied containers in the water to be sampled. After collection, the surface water samples were packed on ice and placed under chain-of-custody. All stream samples were analyzed for Appendix I inorganic and volatile organic constituents by Environmental Conservation Laboratories; a North Carolina certified laboratory.

5. 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 volatile organic compound acetone was detected in MW-15 and MW-22 at estimated concentrations reported between the Method Detection Limit (MDL) and the North Carolina Solid Waste Section Limit (SWSL). These estimated concentrations were flagged as "J" values and were at reported concentrations less than the corresponding NCAC 2L groundwater quality standard for acetone.
- The Appendix I metals, chromium, cobalt, copper, nickel, vanadium, thallium, and zinc were detected at one or more of the 11 wells sampled in Phase III. The reported concentrations of these metals were values between the Method Detection Limit (MDL) and the North Carolina Solid Waste Section Limit (SWSL) for the respective constituent and are therefore flagged as a "J" value and considered only estimated values. None of the reported concentrations exceed the corresponding NCAC 2L groundwater quality standards.
- Barium was quantified (reported at a concentration greater than the SWSL) in monitoring wells MW-16 and MW-24 during the current groundwater monitoring event; however, the reported concentrations were both below the corresponding NCAC 2L groundwater quality standard for Class GA groundwater.
- Currently, there is no established North Carolina Groundwater Quality Standard for cobalt or vanadium. However, North Carolina has published a Public Health Goal (NCPHG) for both cobalt and vanadium, which is set at 70 μg/l, and 3.5 μg/L respectively. The NCPHG values have been established by toxicologists and are considered safe levels for the constituent of concern in private drinking water wells over a lifetime of consumption. Cobalt was only detected in the groundwater sample collected from monitoring well MW-24 during the current event at an estimated, "J" flagged reported concentration of 2.9 μg/L. This concentration is below the NCPHG

for cobalt. Vanadium was detected in the groundwater samples collected from monitoring wells MW-17, MW-18, MW-19, MW-20, and MW-25B during the current event at an estimated, "J" flagged reported concentrations of 1.4 µg/l, 9.9 µg/l, 3.9 µg/l, 2.3 µg/L, and 2.8µg/l respectively. The reported concentrations in monitoring wells MW-17, MW-20, and MW-25B are below the NCPHG for vanadium. However, the estimated concentrations reported in the groundwater samples from monitoring wells MW-18 and MW-19 are above the NCPHG for vanadium. S&ME previously prepared an Alternate Source Demonstration (ASD) for metals at the Facility. The ASD demonstrating that vanadium is naturally occurring in the in-situ soil at the Facility and is at sufficient concentrations within the soil to influence groundwater quality. Therefore, the exceedance of vanadium above the NCPHG should not reflect impact stemming from the Facility.

No other Appendix I metal was detected in any of the remaining Phase III monitoring wells sampled, on the dates the samples were collected.

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 seventeenth 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 as set forth in the NC Solid Waste Section memo dated January 18, 1995.

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 report is 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 the June 2007 sampling event as a result of the newly promulgated NC SWSLs by the North Carolina Department of the Environment and Natural Resources. Since barium has only been detected in MW-24 for two sampling events (including the current event), 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 the June 2007 sampling event as a result of the newly promulgated NC SWSLs by the North Carolina Department of the Environment and Natural Resources. Since barium has only been detected in MW-16 for two sampling events (including the current event), 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.

The metal barium was the only Appendix I constituent detected at a quantified concentration in any groundwater sample collected during the current groundwater monitoring event, and Time Series Plots were not completed for estimated "J" flagged values. Therefore, no additional Time Series plots were necessary based upon current analytical data.

5.2.2.3 Interwell Statistical Comparisons

Non-parametric Upper Tolerance Intervals were calculated from the background data set to determine if any detected individual compliance parameter concentration represents a statistically significant increase over the historic background concentrations. This test method compares the analytical data from each compliance well during the current sampling event to Upper Limits computed from the pooled background data set. The statistical analysis 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. This data is summarized on **Table 5** and was used to calculate groundwater flow velocities across the site.

5.4 Groundwater Flow Direction and Rate

The static water levels in the Phase III monitoring wells were measured in September 2007. The depth to the water table ranged from 5.62 feet to 26.43 feet below the top of well casing on these dates. Groundwater and well casing elevation data are presented in **Table 1** and summarized on **Figure 1**. A groundwater contour map was constructed using the data collected in September 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 compliance well and the upgradient well.

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 at monitoring well MW-24 to 0.341 ft/day at monitoring well MW-18 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**.

- Acetone, chloroform, bromodichloromethane, toluene, and dibromochloromethane were detected at one or more of the surface sample locations. With the exception of chloroform, bromodichloromethane, and toluene, the reported concentrations of the detected volatile organic compounds listed above which were detected during the current surface water monitoring event were values between the Method Detection

Limit (MDL) and the North Carolina Solid Waste Section Limit (SWSL) for the respective constituent and are therefore flagged as a "J" value and considered only estimated values. Chloroform (8.4 μg/L) and dibromochloromethane (6.5 μg/L) were reported at quantified concentrations (above the SWSL value) only in the surface water sample from SW-3. There is currently no established NCAC 2B surface water standard established for either of these constituents. However, SW-3 is located upstream of the Facility and therefore should not reflect surface water impacts stemming from the Facility. Toluene was detected solely in the surface water sample SW-2 at a reported concentration of 4.2 μg/L, which is a quantified value (above the SWSL), but is less than the NCAC 2B surface water standard for toluene set at 11 μg/L.

- The metals; barium, cobalt, nickel, thallium, vanadium, and zinc were detected at one or more of the surface water sample locations. The reported concentrations of these metals during the current surface water monitoring event were values between the Method Detection Limit (MDL) and the North Carolina Solid Waste Section Limit (SWSL) for the respective constituent and are therefore flagged as a "J" value and considered only estimated values.
- Inorganic constituent copper was detected in the surface water samples collected at SW-1 and SW-3 at reported concentrations of 11.2 μg/L and 10.3 μg/L respectively. These reported concentrations exceed the NCAC 2B surface water standard for copper set at 7 μg/L. However, sample locations SW-1 and SW-3 are located upstream of the White Street Landfill Facility, and should not reflect surface water impacts stemming from the Facility.
- Inorganic constituent lead was detected at SW-1 and SW-2, however only the concentration at SW-1 of 11.2 μg/L was a quantified value. None of the reported concentrations exceed the NCAC 2B surface water standard of 25 μg/L for lead.
- Inorganic constituent zinc was detected at SW-1, SW-2, and SW-3 at concentrations of 84.9 μg/L, 11.4 μg/L and 60.4 μg/L respectively. However, only the concentrations at SW-1 and SW-3 exceeded the NCAC 2B standard of 50 μg/L. Sample locations SW-1 and SW-3 are located upstream of the White Street Landfill Facility however, and should not reflect surface water impacts stemming from the Facility.

It is important to note that surface water sample locations SW-1 and SW-3 are both up stream of the White Street Landfill Facility and are; therefore, unlikely to be influenced by runoff and/or impacted groundwater from the Facility. Therefore, the zinc reported in the surface water samples collected from SW-1 and SW-3 could be from the treatment plant, or another upstream source.

5.6 Leachate Sample Analytical Results

On September 25, 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-19 and submitted for analysis as "Duplicate III". This sample was analyzed for Appendix I inorganics and volatile organics. The detected constituents in MW-19 were consistent with those of "Duplicate III", suggesting a good correlation between the sample analytical results. Trip blank samples accompanied the sample bottles from the time they left the laboratory until they returned. These samples were analyzed for Appendix I volatile organic constituents. No volatile organic constituents were present in the trip blank samples at detectable levels. Laboratory QC samples were analyzed for all constituents included in this sampling event. The results of the duplicate, trip blank, and laboratory QC sample analyses are included in **Appendix B**. The NCDENR Environmental Monitoring Reporting Form is included in **Appendix G**.

6. 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 (09/07)
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			
			October 16, 2006		September 25, 2007	
			DTGW (feet)	Elevation (feet)	DTGW (feet)	Elevation (feet)
MW-15	794.81	60.0	25.83	768.98	26.43	768.38
MW-16	758.02	28.5	22.11	735.91	23.18	734.84
MW-17	755.05	31.5	11.57	743.48	14.82	740.23
MW-18	742.70	17.5	10.56	732.14	10.5	732.2
MW-19	740.70	35.0	16.66	724.04	18.86	721.84
MW-20	748.87	25.0	15.29	733.58	17.31	731.56
MW-21	743.32	18.5	6.69	736.63	9.80	733.52
MW-22	744.43	30.0	9.92	734.51	11.33	733.1
MW-23	744.25	33.5	12.88	731.37	13.38	730.87
MW-24	752.52	12.0	2.68	749.84	5.62	746.90
MW-25	746.47	17.0	12.68	733.79	DRY	DRY
MW-25B	746.19	32.0	11.66	734.53	13.82	732.37

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 (09/07)
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
1320	24-Sep-07	20.92	69.7	6.67	0.450	-171	1.30	7.30	26.43
1325	24-Sep-07	21.13	70.0	6.88	0.450	-203	0.44	4.28	
1330	24-Sep-07	22.55	72.6	6.98	0.449	-212	0.23	2.28	
1335	24-Sep-07	21.92	71.5	7.04	0.447	-200	0.24	2.13	
1340	24-Sep-07	22.07	71.7	7.03	0.444	-203	0.21	2.75	
1345	24-Sep-07	22.10	71.8	7.04	0.442	-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
1410	24-Sep-07	23.19	73.7	5.83	0.377	-177	3.43	4.27	23.18
1415	24-Sep-07	25.50	77.9	5.82	4.060	-182	1.92	3.07	
1420	24-Sep-07	25.90	78.6	5.83	0.411	-182	1.73	3.65	
1425	24-Sep-07	26.06	78.9	5.82	0.420	-189	1.63	3.82	

Location: MW-17

Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1450	24-Sep-07	26.03	78.9	5.80	0.210	-157	3.46	6.28	14.82
1455	24-Sep-07	24.42	76.0	5.74	0.195	-160	2.52	4.34	
1500	24-Sep-07	25.32	77.6	5.73	0.190	-165	1.44	4.68	
1505	24-Sep-07	25.31	77.6	5.69	0.187	-169	1.96	4.23	
1510	24-Sep-07	24.68	76.4	5.75	0.186	-170	1.60	4.46	
1515	24-Sep-07	24.98	77.0	5.72	0.186	-171	1.44	4.68	
1520	24-Sep-07	25.11	77.2	5.72	0.184	-169	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
1540	24-Sep-07	23.73	74.7	6.02	0.246	3	4.44	6.90	10.50
1545	24-Sep-07	24.63	76.3	5.74	0.180	24	2.40	155.00	
1550	24-Sep-07	24.73	76.5	5.61	0.175	38	1.98	538.00	
1555	24-Sep-07	24.98	77.0	5.61	0.174	40	1.96	555.00	
1600	24-Sep-07	25.08	77.1	5.66	0.173	39	2.21	325.00	
1605	24-Sep-07	25.53	78.0	5.69	0.174	35	2.31	183.00	
1610	24-Sep-07	25.52	77.9	5.70	0.175	40	2.54	133.00	
1615	24-Sep-07	25.55	78.0	5.74	0.175	41	2.90	96.00	
1620	24-Sep-07	25.79	78.4	5.74	0.176	41	2.98	78.00	

Location: MW-19

Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1700	24-Sep-07	24.36	75.8	5.86	0.200	-39	3.55	4.53	18.86
1705	24-Sep-07	24.34	75.8	5.80	0.198	-41	2.69	3.89	
1710	24-Sep-07	24.37	75.9	5.78	0.198	-39	2.25	3.64	
1715	24-Sep-07	24.13	75.4	5.82	0.201	-39	1.95	3.75	
1720	24-Sep-07	24.09	75.4	5.79	0.199	-36	2.07	3.89	
1725	24-Sep-07	23.70	74.7	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
0915	25-Sep-07	18.29	64.9	6.07	0.654	-43	3.21	1.70	17.31
0920	25-Sep-07	18.47	65.2	6.07	0.688	-117	0.97	1.10	
0925	25-Sep-07	18.64	65.6	6.08	0.674	-123	0.81	1.20	
0930	25-Sep-07	18.58	65.4	6.08	0.660	-129	0.63	1.30	
0935	25-Sep-07	18.74	65.7	6.08	0.651	-136	0.47	1.40	
0940	25-Sep-07	18.84	65.9	6.09	0.645	-138	0.38	1.50	

Table 2
Groundwater & Surface Water Field Data Summary (09/07)
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
1000	25-Sep-07	20.08	68.1	5.77	0.160	68	1.21	3.86	9.80
1005	25-Sep-07	20.27	68.5	5.75	0.160	37	1.23	3.56	
1010	25-Sep-07	20.30	68.5	5.66	0.162	38	1.14	3.54	

Location: MW-22

Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1125	24-Sep-07	24.06	75.3	6.16	0.307	-48	3.42	14.30	11.33
1130	24-Sep-07	22.62	72.7	6.49	0.399	-128	1.76	109.00	
1135	24-Sep-07	23.49	74.3	6.54	0.402	-144	1.37	169.00	
1140	24-Sep-07	24.04	75.3	6.55	0.403	-152	1.16	173.00	
1145	24-Sep-07	23.30	73.9	6.55	0.399	-156	1.05	138.00	
1150	24-Sep-07	24.17	75.5	6.54	0.393	-161	0.97	97.00	
1155	24-Sep-07	24.51	76.1	6.55	0.391	-163	0.95	83.00	

Location: MW-23

Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1020	24-Sep-07	26.36	79.4	7.17	0.581	-165	3.41	1.72	13.38
1025	24-Sep-07	24.11	75.4	7.20	0.583	-170	2.88	1.61	
1030	24-Sep-07	22.99	73.4	7.25	0.579	-167	2.61	1.68	
1035	24-Sep-07	22.46	72.4	7.33	0.575	-179	2.29	1.68	
1040	24-Sep-07	21.45	70.6	7.37	0.573	-184	1.98	1.51	
1045	24-Sep-07	21.48	70.7	7.41	0.569	-191	1.59	3.37	
1050	24-Sep-07	22.05	71.7	7.43	0.569	-193	1.79	4.19	
1055	24-Sep-07	227.00	440.6	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
0930	24-Sep-07	20.83	69.5	6.57	1.003	-106	4.03	5.07	5.62
0935	24-Sep-07	21.41	70.5	6.57	1.016	-119	2.69	425.00	
0940	24-Sep-07	21.04	69.9	6.76	1.006	-94	4.38	117.00	
0945	24-Sep-07	21.11	70.0	6.78	1.008	-89	4.61	86.00	
0950	24-Sep-07	21.25	70.3	6.78	1.009	-88	4.68	74.00	
0955	24-Sep-07	21.81	71.3	6.63	1.020	-99	3.40	41.00	
1000	24-Sep-07	22.37	72.3	6.57	1.025	-118	2.69	22.00	

Location: MW-25

Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
DRY									

Location: MW-25B

Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
0735	25-Sep-07	15.89	60.6	5.69	0.132	6	6.17	3.30	13.82
0740	25-Sep-07	16.13	61.0	5.71	0.127	-31	5.05	1.80	
0745	25-Sep-07	16.21	61.2	5.72	0.132	6	6.17	3.30	
0750	25-Sep-07	16.28	61.3	5.73	0.127	-31	5.05	1.80	
0755	25-Sep-07	16.36	61.4	5.75	0.126	-43	4.62	1.60	
0800	25-Sep-07	16.49	61.7	5.75	0.126	-44	4.32	1.90	
0805	25-Sep-07	16.63	61.9	5.77	0.126	-45	4.30	2.00	

Table 3

Groundwater Analytical Results Summary (9/07)
Detected 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-25B	MW-25	DUP#3	(µg/l)	stds.
Acetone	2.0 J	BQL	BQL	BQL	BQL	BQL	BQL	5.0 J	BQL	BQL	BQL	Dry	BQL	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 (9/07)
Detected 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	NCPHG
	MW-15	MW-16	MW-17	MW-18	MW-19	MW-20	MW-21	MW-22	MW-23	MW-24	MW-25B	MW-25	DUP#3	(µg/l)	stds.	(µg/l)
Barium	29.9 J	176	50.3 J	29 J	17.2 J	39.2 J	30.7 J	80.4 J	60 J	382	13 J	Dry	16.6 J	100	2000	
Chromium	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	2.4 J	2.1 J	Dry	BQL	10	50	
Cobalt	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	2.9 J	BQL	Dry	BQL	10	ns	70
Copper	BQL	4.9 J	BQL	BQL	BQL	1.0 J	BQL	BQL	BQL	BQL	BQL	Dry	BQL	10	1000	
Nickel	BQL	4.9 J	BQL	BQL	BQL	BQL	BQL	BQL	BQL	9.4 J	BQL	Dry	BQL	50	100	
Vanadium	BQL	BQL	1.4 J	9.9 J	3.9 J	2.3 J	BQL	BQL	BQL	BQL	2.8 J	Dry	3.6 J	25	ns	3.5
Thallium	0.073 J	0.052 J	0.069 J	0.058 J	0.049 J	0.050 J	0.057 J	0.048 J	0.047 J	0.048 J	0.053 J	Dry	0.059 J	5.5	0.28	
Zinc	BQL	3.1 J	2.3 J	2.1 J	1.0 J	BQL	2.4 J	1.3 J	BQL	1.5 J	BQL	Dry	1.2 J	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

Blue highlights indicate a measurement higher than the North Carolina Public Health Goal Standard

Table 5
Groundwater Velocity Data (9/07)
Phase III - White Street Landfill
Greensboro, North Carolina
S&ME Project No. 1584-98-081

Well No.	Hydraulic Conductivity (K = feet/day)	Porosity BQL	Gradient	Groundwater Velocity
MW-15	0.265	0.20	0.020	0.027
MW-16	0.331	0.20	NC	NC
MW-17	0.160	0.20	0.020	0.016
MW-18	3.269	0.20	0.021	0.341
MW-19	0.716	0.20	0.023	0.081
MW-20	1.336	0.20	0.020	0.137
MW-21	0.681	0.20	0.020	0.070
MW-22	0.325	0.20	0.021	0.034
MW-23	0.173	0.20	0.025	0.022
MW-24	0.090	0.20	0.024	0.011
MW-25	2.088	0.20	DRY	DRY
MW-25B	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
NC = Not Calculated

Table 6

Surface Water Analytical Results Summary (9/07)

Detected 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	15A NCAC 2B
	SW-1	SW-2	SW-3	(ug/L)	Standards*
Acetone	BQL	5.3 J	68 J	100	700
Chloroform	0.37 J	BQL	8.4	5	ns
Bromodichloromethane	BQL	BQL	6.5	1	ns
Toluene	BQL	4.2	BQL	1	11
Dibromochloromethane	BQL	BQL	2.8J	3	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 (9/07)
Detected 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		
Barium	74.5 J	70.9J	16.8 J	100	ns
Cobalt	3.5 J	BQL	BQL	10	ns
Copper	11.2	BQL	10.3	10	7
Lead	11.2	2.0 J	BQL	10	25
Nickel	BQL	BQL	7.6 J	50	88
Thallium	0.053 J	0.050 J	0.045 J	5.5	ns
Vanadium	7.1 J	BQL	BQL	25	ns
Zinc	84.9	11.4	60.4	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 BQL	"Leachate" Septebmer-01	"Leachate" March-02	"Leachate" September-02	"Leachate" April-03	"Leachate" October-03	"Leachate" March-04 (µg/L)	"Leachate" October-04	"Leachate" May-05	"Leachate" October-05	"Leachate" April-06 (µg/L)	"Leachate" April-07	"Leachate" September-07 (µg/L)	NC SWSL (µg/L)
Chloroethane	BQL*	BQL*	BQL**	17	BQL***	BQL*	BQL	BQL*	BQL*	BQL*	BQL*	BQL**	BQL**	BQL[6]	10
Trichlorofluoromethane	BQL*	BQL*	BQL**	7.0	BQL***	BQL*	BQL	BQL*	BQL*	BQL*	BQL*	BQL**	BQL**	BQL[6]	1
Acetone	BQL*	BQL*	1400	BQL	BQL***	490****	830****	BQL*	BQL*	BQL[5]*	BQL*	1780**	6800**	31000	100
Methylene Chloride	97	120	BQL**	37	BQL***	BQL*	13	BQL*	BQL*	BQL*	BQL*	BQL**	BQL**	BQL[6]	1
1,1-Dichloroethane	46	BQL*	BQL**	30	28	27*	5.2	BQL*	BQL*	BQL*	BQL*	BQL**	BQL**	BQL[6]	5
cis 1,2-dichloroethene	BQL*	BQL*	BQL**	6.4	BQL***	BQL**	BQL	BQL*	BQL*	BQL*	BQL*	BQL**	BQL**	BQL[6]	5
2-Butanone	BQL*	BQL*	2600	BQL	BQL***	1100****	1200****	BQL*	BQL*	BQL[5]*	BQL*	1650**	7500**	25000	100
1,1,1-Trichloroethane	BQL*	BQL*	BQL**	8.2	BQL***	BQL*	BQL	BQL*	BQL*	BQL*	BQL*	BQL**	BQL**	BQL[6]	1
Benzene	BQL*	BQL*	BQL**	10	BQL***	BQL*	8.1	BQL*	BQL*	BQL*	BQL*	BQL**	BQL**	BQL[6]	1
Trichloroethene	BQL*	BQL*	BQL**	7.5	BQL***	BQL*	BQL	BQL*	BQL*	BQL*	BQL*	BQL**	BQL**	BQL[6]	1
Toluene	350	220	390	190*	220***	220*	240****	400	BQL*	73	55	12.8**	150**	BQL[6]	1
Ethylbenzene	49	BQL*	BQL**	60	48***	56*	40	46	BQL*	31	BQL*	18.2**	87 J	BQL[6]	1
m & p, Xylenes	120	65	110	140	95***	120*	87	110	38*	69	56	35**	BQL**	BQL[6]	NE
o-Xylenes	34	BQL*	BQL**	46	32***	37*	29	32	BQL*	BQL*	BQL*	13.8**	240**	BQL[6]	NE
1,4-Dichlorobenzene	BQL*	BQL*	BQL**	6.0	BQL***	BQL*	5.4	BQL*	BQL*	BQL*	BQL*	BQL**	BQL[5]	BQL[6]	1

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)	"Leachate" September-07 (µg/L)	NC SWSL (ug/L)
Antimony	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	56.1	17.7	6
Arsenic	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	23.4	23.4	17.6	10
Barium	580	BQL	550	580	740	590	BQL	BQL	570	BQL	BQL	678	609	378	100
Cadmium	5	21	9.7	13	16	1.6	2.2	2.3	BQL	BQL	BQL	BQL	BQL	BQL	1
Chromium	10	BQL	13	23	27	15	BQL	16	BQL	BQL	BQL	14.7	35	24.3	10
Cobalt	BQL	BQL	13	25	23	BQL	BQL	18	BQL	BQL	BQL	26.6	25.8	24.6	10
Lead	BQL	BQL	BQL	BQL	13	BQL	BQL	BQL	BQL	BQL	BQL	BQL	4.9 J	BQL	10
Nickel	BQL	BQL	BQL	110	99	75	BQL	BQL	61	300	BQL	1189	164	168	50
Silver	BQL	BQL	BQL	20	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	7.6 J	10
Vanadium	BQL	BQL	58	45	89	41	BQL	BQL	BQL	BQL	BQL	54	36.2	38.1	25
Zinc	120	BQL	50	80	290	100	BQL	BQL	BQL	250	BQL	97.2	87.8	38.9	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)	"Leachate" September-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	2.0 J	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	0.030 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	8.6 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	1.8	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	7.1	NA
Biological Oxygen Demand (BOD)	22.6	300	83	44	19	59J	330	56	34	119J	27.7	200	3400	4500	NA
Chemical Oxygen Demand (COD)	166	580	330	200	210	690	390	220	240	1,810	425	1340	5400	6600	NA

J = Analyte detected; value is between the Method Detection Limit (MDL) and PQL
NC SWSL=North Carolina Solid Waste Section Limit
PQL = Methods Practical Quantitation Limits
BQL = Analytical results is less than the corresponding SWSL
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
BQL6 = Analyte Value Determined from a 1:1000 dilution
Parameters highlighted in yellow exceed the SWSL.

FIGURES

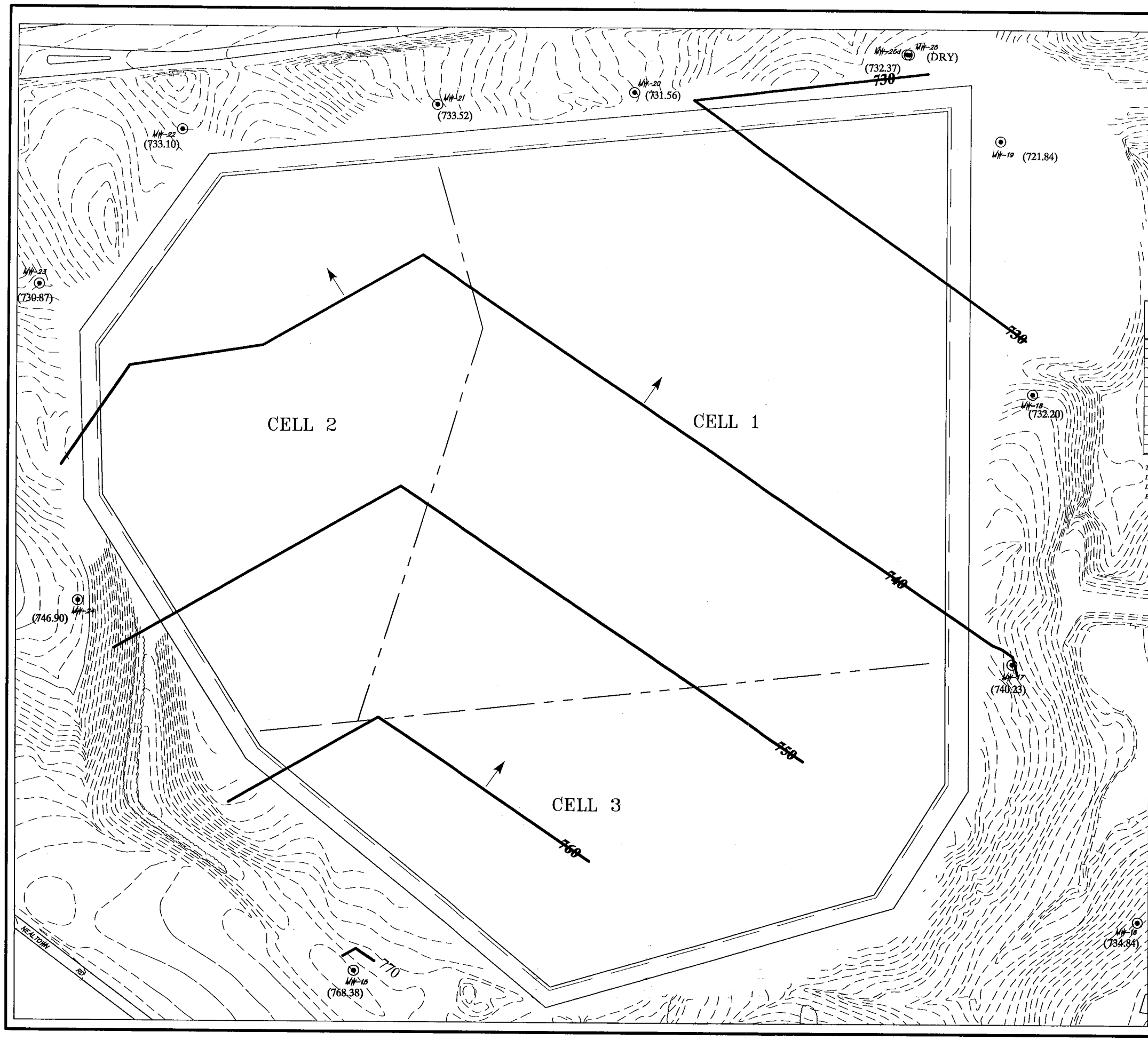

Table 1
Groundwater Elevation Data Summary (09/07)
Phase III - White Street Landfill
Greensboro, North Carolina
S&ME Project No. 1584-98-081

Well No.	Elevation TOC (feet)	Depth of Well (feet)	Static Water Levels			
			April 10, 2006		September 25, 2007	
			DTGW (feet)	Elevation (feet)	DTGW (feet)	Elevation (feet)
MW-15	794.81	60.0	23.87	770.94	26.43	768.38
MW-16	758.02	28.5	21.40	736.62	23.18	734.84
MW-17	755.05	31.5	11.23	743.82	14.82	740.23
MW-18	742.70	17.5	8.38	734.32	10.5	732.2
MW-19	740.70	35.0	16.67	724.03	18.86	721.84
MW-20	748.87	25.0	15.29	733.58	17.31	731.56
MW-21	743.32	18.5	6.09	737.23	9.80	733.52
MW-22	744.43	30.0	10.23	734.2	11.33	733.1
MW-23	744.25	33.5	13.41	730.84	13.38	730.87
MW-24	752.52	12.0	2.66	749.86	5.62	746.90
MW-25	746.47	17.0	13.82	732.65	DRY	DRY
MW-25d	746.19	32.0	12.68	733.51	13.82	732.37

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

LEGEND

- MONITOR WELL LOCATION
- ESTIMATED GROUNDWATER ELEVATION (MARCH 2000)
- PROPERTY LINE
- CELL LIMITS
- APROXIMATE GROUNDWATER FLOW DIRECTION
- (740.23) GROUNDWATER ELEVATION AS CALCULATED FOR THE 5/06 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: CLD/RDM
CHECKED BY: LE
JOB NO. 1584-98-081
DATE: NOVEMBER 2007
FIGURE NO. 1

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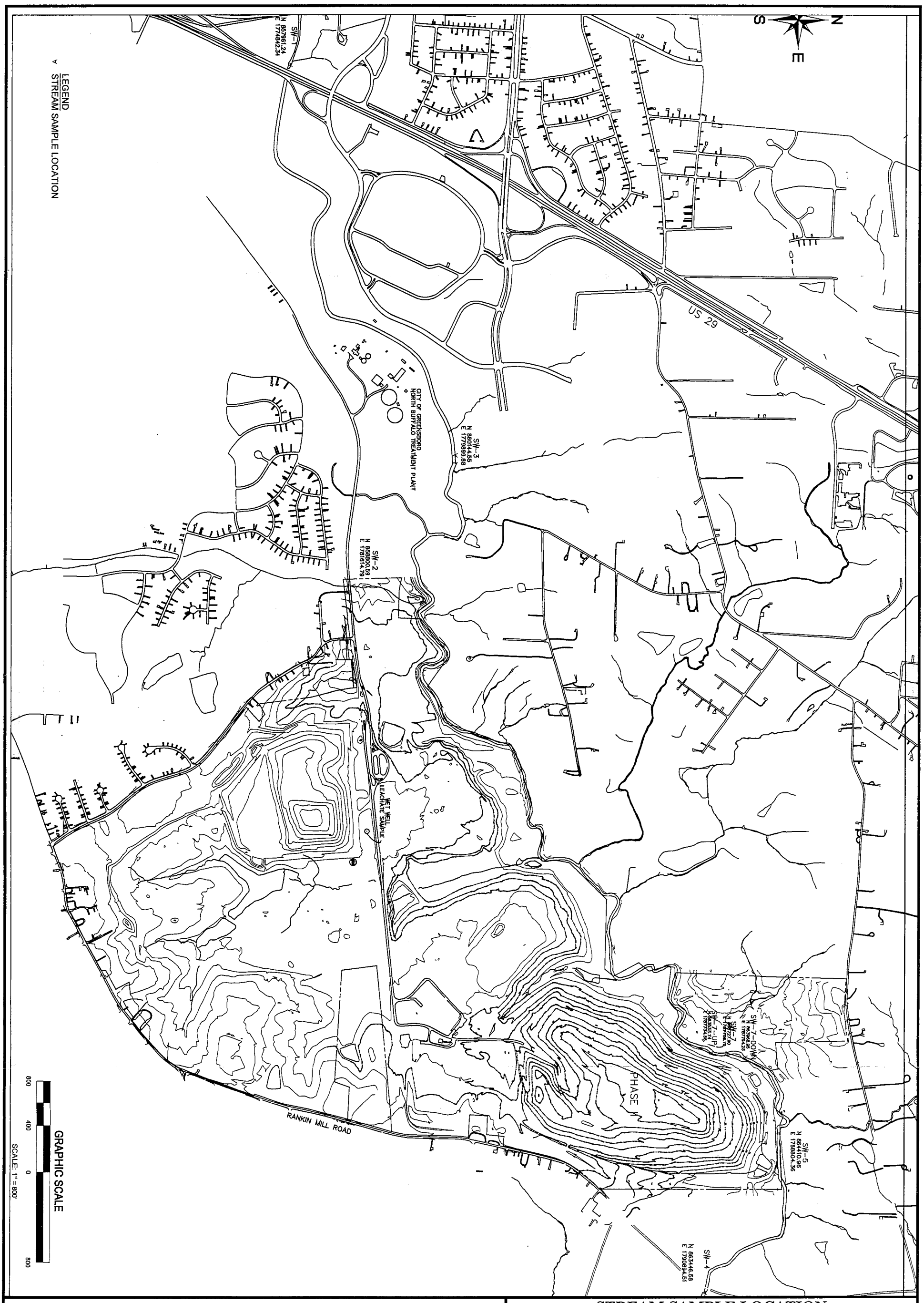

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STREAM SAMPLE LOCATION
PHASE III
WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA

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

APPENDIX A
Field Sampling Data Sheets

GROUNDWATER SAMPLING FIELD DATA

Location	White Street Landfill	Purge Date	9/24/07
Project No.	1584-98-081	Purge Time	
Source Well	MW-15	Sample Date	9/24/07
Locked?	(Yes) No	Sample Time	1350
(PVC) Steel Stainless		Weather	SUNNY
Sampled By	GS / LE	Air Temp	85°

Water Level and Well Data

Depth to water from measuring point	26.43	feet
Depth to well bottom from measuring point		feet
Height of water column		feet
Measuring Point	TOC	

Well Purging and Sample Collection

Purge Method: PUMP

Sample Method: PUMP

Sample Collection Time Start _____ Stop _____

Purge Rate: < 100 liter/min

Purge Time Start 1315 Stop 1345

control settings changes? 2.5 ON 24 OFF @ 33 PSI

cycles _____

duration _____

Volume of Water in well

2" well (volume = 0.163 x h) _____

4" well (volume = 0.651 x h) _____

Volume of water removed _____ gallon liters

Was well purged dry Yes (No)

Field Analyses

* *Stabilization Parameters*

Time	1320	1325	1330	1335	1340	1345		
Temp	20.92	21.13	22.55	21.92	22.07	22.10		
pH	6.95	7.0	6.94	6.96	6.99	7.01		
Conductivity	.450	.450	.449	.447	.444	.442		
ORP*	-176	-185	-192	-201	-206	-209		
D.O.*	1.55	1.01	.68	.58	.51	.50		
Turbidity*	7.10	4.33	3.84	2.42	2.42	2.11		
H2O	27.72	28.31	28.60	29.10	29.70			

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Purge Date: 9/24/07
Project No.: 1584-98-081
Purge Time:
Source Well: MW-16
Sample Date: 9/24/07
Locked? (Yes) No
Sample Time: 1430
(PVC) Steel Stainless
Weather: SUNNY
Sampled By: GS/LE
Air Temp: 90°

Water Level and Well Data

Depth to water from measuring point: 23.18 feet

Depth to well bottom from measuring point: _____ feet

Height of water column: _____ feet

Measuring Point: TOC

Well Purging and Sample Collection

Purge Method: PUMP

Sample Method: PUMP

Sample Collection Time
Start _____ Stop _____

Purge Rate: < 100 liter/min

Purge Time
Start 1405 Stop 1425

control settings changes? 2 ON 23 OFF @ 26 PSI

cycles _____

duration _____

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

Volume of water removed _____ gallon liters

Was well purged dry Yes No

Field Analyses

** Stabilization Parameters*

Time	1410	1415	1420	1425				
Temp	23.19	25.50	25.90	26.06				
pH	5.95	5.74	5.71	5.69				
Conductivity	.381	.366	.365	.363				
ORP*	-177	-182	-182	-189				
D.O.*	1.27	1.07	1.03	1.01				
Turbidity*	4.27	3.07	3.65	3.82				
	23.60	24.28	24.59					

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Purge Date: 9/24
Project No.: 1584-98-081
Purge Time:
Source Well: MW-17
Sample Date: 9/24
Locked? (Yes) No
Sample Time: 1525
(PVC) Steel Stainless
Weather: Sunny
Sampled By: GS / LE
Air Temp: 90°

Water Level and Well Data

Depth to water from measuring point: 14.82 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: c 100 liter/min
Start 1445 Stop 1520

control settings changes? 2 on 25 off c 24 psi
cycles _____
duration _____

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

Volume of water removed _____ gallon liters

Was well purged dry Yes No

Field Analyses

* *Stabilization Parameters*

Time	1450	1455	1500	1505	1510	1515	1520	
Temp	26.03	24.24	25.32	25.31	24.68	24.98	25.11	
pH	5.80	5.74	5.73	5.69	5.75	5.72	5.72	
Conductivity	.214	.195	.190	.187	.186	.186	.184	
ORP*	-157	-160	-165	-169	-178	-177	-168	
D.O.*	1.90	1.53	1.28	1.12	.97	.98	1.01	
Turbidity*	6.62	5.14	4.26	3.82	3.45	3.29	3.16	
H_2O	15.42	15.68	15.91	16.01	16.14			

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Purge Date: 9/24
Project No.: 1584-98-081
Purge Time:
Source Well: MW-18
Sample Date: 9/24
Locked? Yes No
Sample Time: 1625
PVC Steel Stainless
Weather: SUNNY
Sampled By:
Air Temp: 90°

Water Level and Well Data

Depth to water from measuring point: 10.50 feet

Depth to well bottom from measuring point: feet

Height of water column: feet

Measuring Point: TOC

Well Purging and Sample Collection

Purge Method: PUMP

Sample Method: PUMP

Sample Collection Time
Start: Stop:

Purge Rate: < 100 liter/min

Purge Time
Start: 1535 Stop: 1620

control settings changes?: 2 ON 31 OFF @ 15 PSI

cycles:

duration:

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

Volume of water removed: gallon liters

Was well purged dry: Yes (No)

Field Analyses

** Stabilization Parameters*

Time	1540	1545	1550	1555	1600	1605	1610	1615	1620
Temp	23.73	24.63	24.73	24.98	25.08	25.53	25.52	25.55	25.79
pH	6.35	6.33	6.17	5.98	5.95	5.90	5.89	5.89	5.88
Conductivity	.300	.283	.242	.206	.200	.194	.190	.190	.190
ORP*	-159	-172	-166	-158	-156	-151	-148	-147	-144
D.O.*	1.82	1.21	1.33	1.56	1.61	1.74	1.83	1.91	2.01
Turbidity*	18.98	79.2	183	173	96	82	63	70	64
H_2O	11.68	10.45	10.25	10.55	10.54	10.47	10.52	10.54	10.55

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Purge Date: 9/24
Project No.: 1584-98-081
Purge Time:
Source Well: MW-19
Sample Date: 9/24
Locked? (Yes) No
Sample Time: 17:30 * + Dup-3
(PVC) Steel Stainless
Weather: SUNNY
Sampled By: GS/LE
Air Temp: 90°

Water Level and Well Data

Depth to water from measuring point: 18.86 feet
Depth to well bottom from measuring point: feet *Duplicate 3
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 liter/min
Start: 16:55 Stop: 17:25
control settings changes? 2.5 on 30 off @ 27 psi
cycles:
duration:

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

Volume of water removed: gallon liters

Was well purged dry: Yes (No)

Field Analyses

** Stabilization Parameters*

Time	17:00	17:05	17:10	17:15	17:20	17:25		
Temp	24.36	24.34	24.32	24.13	24.09	23.70		
pH	5.77	5.74	5.73	5.74	5.74	5.75		
Conductivity	0.199	0.197	0.195	0.196	0.196	0.195		
ORP*	-129	-144	-152	-158	-163	-167		
D.O.*	1.98	1.70	1.46	1.28	1.15	1.06		
Turbidity*	16.16	7.48	4.62	4.48	4.99	5.13		
DTW	18.98	18.99	19.03	19.03	19.03			

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Purge Date:
Project No.: 1584-98-081
Purge Time:
Source Well: MW-20
Sample Date: 9/25/07
Locked? (Yes) No
Sample Time: 9:45
(PVC) Steel Stainless
Weather: clear
Sampled By: GS/LE
Air Temp: 70°

Water Level and Well Data

Depth to water from measuring point: _____ feet

Depth to well bottom from measuring point: ~~18.31~~ 17.31 feet

Height of water column: _____ feet

Measuring Point: TOC

Well Purging and Sample Collection

Purge Method: Pump

Sample Method: Pump

Sample Collection Time
Start: _____ Stop: _____

Purge Rate: <100 liter/min

Purge Time
Start: 9:10 Stop: 9:40

control settings changes? 2.5 on 20 off 26psi

cycles: _____

duration: _____

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

Volume of water removed: _____ gallon liters

Was well purged dry: Yes (No)

Field Analyses

** Stabilization Parameters*

Time	8:20	9:15	9:20	9:25	9:30	9:35	9:40	
Temp		18.29	18.47	18.64	18.55	18.79	18.84	
pH		6.07	6.07	6.08	6.08	6.08	6.09	
Conductivity		0.512	0.502	0.491	0.479	0.474	0.473	
ORP*		-195	-196	-203	-209	-212	-212	
D.O.*		0.78	0.70	0.58	0.50	0.46	0.43	
Turbidity*	4.65	3.17	3.44	[illegible]	3.20	3.16	3.23	
	[illegible]	18.00	18.02	18.06	18.06	18.08		

Batt died
bought new
← replaced

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Purge Date: _____
Project No.: 1584-98-081
Purge Time: _____
Source Well: MW-21
Sample Date: 9/25/07
Locked? (Yes) No
Sample Time: 10:20
(PVC) Steel Stainless
Weather: clear
Sampled By: LE/GS
Air Temp: 75°

Water Level and Well Data

Depth to water from measuring point: _____ feet
Depth to well bottom from measuring point: 9.80 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 9:55 Stop 10:15

Purge Rate: 5.100 liter/min
control settings: 2 on 25 off 25 psi
changes? _____
cycles _____
duration _____

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

Volume of water removed _____ gallon liters

Was well purged dry Yes (No)

Field Analyses

**Stabilization Parameters*

Time	10:00	10:05	10:15					
Temp	20.08	20.27	20.30					
pH	5.46	5.44	5.46					
Conductivity	0.162	0.161	0.160					
ORP*	165	-166	-175					
D.O.*	1.21	1.23	1.14					
Turbidity*	3.86	3.56	3.54					
	10:18	10:46	10:48					

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Purge Date: 9/24
Project No.: 1584-98-081
Purge Time:
Source Well: MW-22
Sample Date: 9/24
Locked? (Yes) No
Sample Time: 1200
(PVC) Steel Stainless
Weather: SUNNY
Sampled By: GS/LE
Air Temp: 85

Water Level and Well Data

Depth to water from measuring point: 11.33 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 liter/min
Start 1120 Stop 1155

control settings: 3.3 ON 24 OFF @ 20 PSI
changes? _____
cycles _____
duration _____

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

Volume of water removed _____ gallon liters

Was well purged dry Yes No

Field Analyses

** Stabilization Parameters*

Time	1125	1130	1135	1140	1145	1150	1155	
Temp	24.06	22.62	23.49	24.04	23.73	24.17	24.51	
pH	6.54	6.49	6.46	6.43	6.40	6.32	6.30	
Conductivity	.453	.434	.426	.416	.395	.377	.371	
ORP*	-146	-158	-162	-163	-165	-166	-166	
D.O.*	1.91	1.14	.93	.82	.74	.77	.71	
Turbidity*	12.03	34.8	41.8	40.4	20.2	23.0	20.0	
Vol Lost	11.97	12.48	12.85	13.08	13.48	13.83		

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill — Purge Date: 9/24

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

Source Well: — Sample Date: 9/24

Locked? Yes No — Sample Time: ~~[illegible]~~ 1100

PVC Steel Stainless — Weather: SUNNY

Sampled By: MW-23 — Air Temp: 80

Water Level and Well Data

Depth to water from measuring point: 13.38 feet

Depth to well bottom from measuring point: feet

Height of water column: feet

Measuring Point: TOC

Well Purging and Sample Collection

Purge Method: PUMP

Sample Method: PUMP

Sample Collection Time Start: Stop:

Purge Rate: 100 liter/min

Purge Time Start: 1015 Stop:

control settings changes? 5 ON 25 OFF @ 24 psi

cycles:

duration:

Volume of Water in well

2" well (volume = 0.163 x h)

4" well (volume = 0.651 x h)

Volume of water removed: gallon liters

Was well purged dry Yes No

Field Analyses

** Stabilization Parameters*

Time	1020	1025	1030	1035	1040	1045	1050	1055
Temp	26.36	24.11	22.99	22.46	21.45	21.48	22.05	22.70
pH	6.40	6.94	6.89	7.02	7.14	7.17	7.19	7.21
Conductivity	.929	.685	.616	.591	.582	.581	.581	.581
ORP*	-101	-136	-148	-158	-171	-174	-176	-177
D.O.*	2.28	1.97	1.66	1.36	.88	.75	.67	.65
Turbidity*	2.61	4.06	3.82	3.23	2.55	3.01	3.09	2.61
WLP	13.68	14.01	14.25	14.54	15.23	15.61	16.10	

GROUNDWATER SAMPLING FIELD DATA

Location	White Street Landfill	Purge Date	9/24
Project No.	1584-98-081	Purge Time	
Source Well	MW-24	Sample Date	9/24
Locked?	(Yes) No	Sample Time	1005
(PVC) Steel Stainless		Weather	P/CLOUDY
Sampled By	GWS / LE	Air Temp	80

Water Level and Well Data

Depth to water from measuring point	5.62	feet
Depth to well bottom from measuring point	[redacted]	feet
Height of water column	[redacted]	feet
Measuring Point	TOC	

Well Purging and Sample Collection

Purge Method: PUMP

Sample Method: PUMP

Sample Collection Time

Start [redacted] Stop

Purge Time

Purge Rate: 100 mL [redacted]/min

Start 0925 Stop 1000

control settings changes? 3.2 ON 25 OFF @ 16 PSI

cycles

duration

Volume of Water in well

2" well (volume = 0.163 x h)

4" well (volume = 0.651 x h)

Volume of water removed _____ gallon liters

Was well purged dry Yes No

Field Analyses

** Stabilization Parameters*

Time	0930	0935	0940	0945	0950	0955	1000	
Temp	20.83	21.41	21.04	21.11	21.25	21.81	22.37	
pH	6.14	6.17	6.30	6.21	6.20	6.19	6.19	
Conductivity	1.101	1.088	1.068	1.087	1.092	1.093	1.095	
ORP*	-56	-72	-73	-81	-87	-90	-97	
D.O.*	2.11	1.77	1.98	1.73	1.57	1.50	1.49	
Turbidity*	9.82	5.81	3.84	3.85	2.20	1.80	1.79	
H_2O LEVEL	6.54	6.53	6.55	6.56				

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Purge Date: _____

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

Source Well: MW-25
Sample Date: _____

Locked? (Yes) No
Sample Time: _____

(PVC) Steel Stainless
Weather: _____

Sampled By: _____
Air Temp: _____

Water Level and Well Data

Depth to water from measuring point: DRY feet

Depth to well bottom from measuring point: _____ feet

Height of water column: _____ feet

Measuring Point: _____

Well Purging and Sample Collection

Purge Method: _____

Sample Method: _____ Start _____ Stop _____ (Sample Collection Time)

Purge Rate: _____ liter/min Start _____ Stop _____ (Purge Time)

control settings changes? _____ cycles _____ duration _____

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

Volume of water removed _____ gallon liters

Was well purged dry Yes No

Field Analyses

** Stabilization Parameters*

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

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Purge Date: 9/25/07
Project No.: 1584-98-081
Purge Time:
Source Well: MW-85B
Sample Date: 9/25/07
Locked? (Yes) No
Sample Time: 8:10
(PVC) Steel Stainless
Weather: clear
Sampled By: GS/LE
Air Temp: 60°

Water Level and Well Data

Depth to water from measuring point: 13.82 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 _____ liter/min
Start 7:30 Stop 8:05

control settings 4 on 17.5 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 _____ gallon liters

Was well purged dry Yes (No)

Field Analyses

** Stabilization Parameters*

Time	7:35	7:40	7:45	7:50	7:55	8:00	8:05	
Temp	15.89	16.13	16.21	16.28	16.36	16.49	16.63	
pH	5.69	5.71	5.72	5.73	5.75	5.75	5.77	
Conductivity	0.127	0.126	0.127	0.127	0.127	0.127	0.127	
ORP*	-44	-41	-68	-83	-96	-102	-114	
D.O.*	2.50	2.10	2.08	2.08	2.10	2.11	2.13	
Turbidity*	5.24	4.03	3.89	4.05	4.57	4.06	4.51	
	14.42	14.48	14.48	14.51	14.49	14.53		

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SURFACE WATER SAMPLING FIELD DATA

SITE NAME: White Street Landfill

Date: 9/25/07

S&ME PROJECT NO. 1584-98-081

Time : 0900

SAMPLE LOCATION: SW-1

Weather: SUNNY 80°

SAMPLED BY: GWS

FIELD ANALYSES

Temperature 17.06

Specific Conductance .305

pH 6.81

Physical Appearance and Odor CLEAR/NONE

Comments/Observations:

Samplers Initials: GWS

S&ME
ENVIRONMENTAL SERVICES · ENGINEERING · TESTING

SURFACE WATER SAMPLING FIELD DATA

SITE NAME: White Street Landfill

Date: 9/25/07

S&ME PROJECT NO. 1584-98-081

Time : 1100

SAMPLE LOCATION: SW-2

Weather: SUNNY 85°

SAMPLED BY: GWS

FIELD ANALYSES

Temperature 21.61

Specific Conductance .129

pH 7.28

Physical Appearance and Odor CLEAR/NONE

Comments/Observations:

Samplers Initials: GWS

S&ME
ENVIRONMENTAL SERVICES · ENGINEERING · TESTING

SURFACE WATER SAMPLING FIELD DATA

SITE NAME: White Street Landfill

Date: 9/25/07

S&ME PROJECT NO. 1584-98-081

Time : 1000

SAMPLE LOCATION: SW-3

Weather: SUNNY 85°

SAMPLED BY: GWS

FIELD ANALYSES

Temperature 23.84

Specific Conductance .567

pH 6.28

Physical Appearance and Odor CLEAR / NONE

Comments/Observations:

Samplers Initials: GWS

APPENDIX B

Laboratory Analytical Report – Main September 2007 Monitoring Event

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

www.encolabs.com

Tuesday, October 9, 2007

S&ME, Inc. (SM004)

Attn: Edmund Henriques

3718 Old Battleground Rd.

Greensboro, NC 27410

RE: Laboratory Results for
Project Number: [none], Project Name/Desc: White Street Landfill AppI Monitoring Wells
ENCO Workorder: C713537

Dear Edmund Henriques,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Tuesday, September 25, 2007.

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

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Cary. Data from outside organizations will be reported under separate cover.

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

Sincerely,

Chuck Smith

Chuck Smith
Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 72.

www.encolabs.com

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: 4112 MW-15 | **Lab ID: C713537-01** | **Sampled: 09/24/07 13:50** | **Received: 09/25/07 14:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	03/22/08	09/27/07 09:03	10/3/2007 14:29
EPA 6020	03/22/08	09/27/07 09:11	10/5/2007 12:35
EPA 8260B	10/08/07	10/04/07 11:39	10/5/2007 09:08

Client ID: 4112 MW-16 | **Lab ID: C713537-02** | **Sampled: 09/24/07 14:30** | **Received: 09/25/07 14:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	03/22/08	09/27/07 09:03	10/3/2007 14:52
EPA 6020	03/22/08	09/27/07 09:11	10/5/2007 12:28
EPA 8260B	10/08/07	10/05/07 11:28	10/6/2007 05:32

Client ID: 4112 MW-17 | **Lab ID: C713537-03** | **Sampled: 09/24/07 15:25** | **Received: 09/25/07 14:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	03/22/08	09/27/07 09:03	10/3/2007 14:59
EPA 6020	03/22/08	09/27/07 09:11	10/5/2007 12:38
EPA 8260B	10/08/07	10/05/07 11:28	10/6/2007 06:01

Client ID: 4112 MW-18 | **Lab ID: C713537-04** | **Sampled: 09/24/07 16:25** | **Received: 09/25/07 14:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	03/22/08	09/27/07 09:03	10/3/2007 15:05
EPA 6020	03/22/08	09/27/07 09:11	10/5/2007 12:46
EPA 8260B	10/08/07	10/05/07 11:28	10/6/2007 06:30

Client ID: 4112 MW-19 | **Lab ID: C713537-05** | **Sampled: 09/24/07 17:30** | **Received: 09/25/07 14:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	03/22/08	09/27/07 09:03	10/3/2007 15:12
EPA 6020	03/22/08	09/27/07 09:11	10/5/2007 12:48
EPA 8260B	10/08/07	10/05/07 11:28	10/6/2007 07:00

Client ID: 4112 MW-20 | **Lab ID: C713537-06** | **Sampled: 09/25/07 09:45** | **Received: 09/25/07 14:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	03/23/08	09/27/07 09:03	10/3/2007 15:19
EPA 6020	03/23/08	09/27/07 09:11	10/5/2007 12:51
EPA 8260B	10/09/07	10/05/07 11:28	10/6/2007 07:29

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Client ID: 4112 MW-21	Lab ID: C713537-07	Sampled: 09/25/07 10:20	Received: 09/25/07 14:00
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 6010B	03/23/08	09/27/07 09:03	10/3/2007 15:26
EPA 6020	03/23/08	09/27/07 09:11	10/5/2007 12:53
EPA 8260B	10/09/07	10/05/07 11:28	10/6/2007 07:58

Client ID: 4112 MW-22	Lab ID: C713537-08	Sampled: 09/24/07 12:00	Received: 09/25/07 14:00
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 6010B	03/22/08	09/27/07 09:03	10/3/2007 15:33
EPA 6020	03/22/08	09/27/07 09:11	10/5/2007 12:56
EPA 8260B	10/08/07	10/05/07 11:28	10/6/2007 08:27

Client ID: 4112 MW-23	Lab ID: C713537-09	Sampled: 09/24/07 11:00	Received: 09/25/07 14:00
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 6010B	03/22/08	09/27/07 09:03	10/3/2007 15:58
EPA 6020	03/22/08	09/27/07 09:11	10/5/2007 12:58
EPA 8260B	10/08/07	10/05/07 11:28	10/6/2007 08:56

Client ID: 4112 MW-24	Lab ID: C713537-10	Sampled: 09/24/07 10:05	Received: 09/25/07 14:00
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 6010B	03/22/08	09/27/07 09:03	10/3/2007 16:27
EPA 6020	03/22/08	09/27/07 09:11	10/5/2007 13:00
EPA 8260B	10/08/07	10/05/07 11:28	10/6/2007 09:25

Client ID: 4112 MW-25B	Lab ID: C713537-12	Sampled: 09/25/07 08:10	Received: 09/25/07 14:00
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 6010B	03/23/08	09/27/07 09:03	10/3/2007 16:34
EPA 6020	03/23/08	09/27/07 09:11	10/5/2007 13:03
EPA 8260B	10/09/07	10/05/07 11:28	10/6/2007 09:54

Client ID: 4112 SW-1	Lab ID: C713537-13	Sampled: 09/25/07 09:00	Received: 09/25/07 14:00
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 6010B	03/23/08	09/27/07 09:03	10/3/2007 16:41
EPA 6020	03/23/08	09/27/07 09:11	10/5/2007 13:05
EPA 8260B	10/09/07	10/05/07 11:28	10/6/2007 10:23

Client ID: 4112 SW-2	Lab ID: C713537-14	Sampled: 09/25/07 11:00	Received: 09/25/07 14:00
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 6010B	03/23/08	09/27/07 09:03	10/3/2007 16:47
EPA 6020	03/23/08	09/27/07 09:11	10/5/2007 13:08
EPA 8260B	10/09/07	10/05/07 11:28	10/6/2007 10:52

Client ID: 4112 SW-3 | **Lab ID: C713537-15** | **Sampled: 09/25/07 10:00** | **Received: 09/25/07 14:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	03/23/08	09/27/07 09:03	10/3/2007 16:54
EPA 6020	03/23/08	09/27/07 09:11	10/5/2007 13:15
EPA 8260B	10/09/07	10/05/07 11:28	10/6/2007 11:21

Client ID: 4103 SW-4 | **Lab ID: C713537-16** | **Sampled: 09/25/07 12:00** | **Received: 09/25/07 14:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	03/23/08	09/27/07 09:03	10/3/2007 17:01
EPA 6020	03/23/08	09/27/07 09:11	10/5/2007 13:18
EPA 8260B	10/09/07	10/06/07 12:49	10/7/2007 10:12

Client ID: 4103 SW-5 | **Lab ID: C713537-17** | **Sampled: 09/25/07 12:45** | **Received: 09/25/07 14:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	03/23/08	09/27/07 09:03	10/3/2007 17:08
EPA 6020	03/23/08	09/27/07 09:11	10/5/2007 13:20
EPA 8260B	10/09/07	10/07/07 15:46	10/8/2007 02:25

Client ID: 4112 DUPLICATE-III | **Lab ID: C713537-18** | **Sampled: 09/24/07 00:00** | **Received: 09/25/07 14:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	03/22/08	09/27/07 09:03	10/3/2007 17:15
EPA 6020	03/22/08	09/27/07 09:11	10/5/2007 13:23
EPA 8260B	10/08/07	10/05/07 11:28	10/6/2007 11:50

Client ID: 4112 Trip Blank#3 | **Lab ID: C713537-19** | **Sampled: 09/24/07 00:00** | **Received: 09/25/07 14:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	10/08/07	10/04/07 11:39	10/5/2007 08:39

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NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: 4112 MW-15 — **Lab ID: C713537-01**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	2.0	J	1	0.90	5.0	100	ug/L	EPA 8260B	
Barium	29.9	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Thallium	0.073	J	1	0.036	0.050	5.5	ug/L	EPA 6020	

Client ID: 4112 MW-16 — **Lab ID: C713537-02**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium	176		1	0.20	10.0	100	ug/L	EPA 6010B	
Copper	4.90	J	1	0.60	10.0	10	ug/L	EPA 6010B	
Nickel	4.9	J	1	2.0	10.0	50	ug/L	EPA 6010B	
Thallium	0.052	J	1	0.036	0.050	5.5	ug/L	EPA 6020	
Zinc	3.1	J	1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: 4112 MW-17 — **Lab ID: C713537-03**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium	50.3	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Thallium	0.069	J	1	0.036	0.050	5.5	ug/L	EPA 6020	
Vanadium	1.4	J	1	1.0	10.0	25	ug/L	EPA 6010B	
Zinc	2.3	J	1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: 4112 MW-18 — **Lab ID: C713537-04**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium	29.0	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Thallium	0.058	J	1	0.036	0.050	5.5	ug/L	EPA 6020	
Vanadium	9.9	J	1	1.0	10.0	25	ug/L	EPA 6010B	
Zinc	2.1	J	1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: 4112 MW-19 — **Lab ID: C713537-05**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium	17.2	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Thallium	0.049	J	1	0.036	0.050	5.5	ug/L	EPA 6020	
Vanadium	3.9	J	1	1.0	10.0	25	ug/L	EPA 6010B	
Zinc	1.0	J	1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: 4112 MW-20 — **Lab ID: C713537-06**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium	39.2	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Copper	1.00	J	1	0.60	10.0	10	ug/L	EPA 6010B	
Thallium	0.050	J	1	0.036	0.050	5.5	ug/L	EPA 6020	
Vanadium	2.3	J	1	1.0	10.0	25	ug/L	EPA 6010B	

Client ID: 4112 MW-21 — **Lab ID: C713537-07**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium	30.7	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Thallium	0.057	J	1	0.036	0.050	5.5	ug/L	EPA 6020	
Zinc	2.4	J	1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: 4112 MW-22 — **Lab ID: C713537-08**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes

Client ID: 4112 MW-22 — **Lab ID: C713537-08**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	5.0	J	1	0.90	5.0	100	ug/L	EPA 8260B	
Barium	80.4	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Thallium	0.048	J	1	0.036	0.050	5.5	ug/L	EPA 6020	
Zinc	1.3	J	1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: 4112 MW-23 — **Lab ID: C713537-09**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium	60.0	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Thallium	0.047	J	1	0.036	0.050	5.5	ug/L	EPA 6020	

Client ID: 4112 MW-24 — **Lab ID: C713537-10**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium	382		1	0.20	10.0	100	ug/L	EPA 6010B	
Chromium	2.4	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Cobalt	2.9	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Nickel	9.4	J	1	2.0	10.0	50	ug/L	EPA 6010B	
Thallium	0.048	J	1	0.036	0.050	5.5	ug/L	EPA 6020	
Zinc	1.5	J	1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: 4112 MW-25B — **Lab ID: C713537-12**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium	13.0	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Chromium	2.1	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Thallium	0.053	J	1	0.036	0.050	5.5	ug/L	EPA 6020	
Vanadium	2.8	J	1	1.0	10.0	25	ug/L	EPA 6010B	

Client ID: 4112 SW-1 — **Lab ID: C713537-13**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium	74.5	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Chloroform	0.37	J	1	0.16	1.0	5	ug/L	EPA 8260B	
Cobalt	3.5	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Copper	11.2		1	0.60	10.0	10	ug/L	EPA 6010B	
Lead	11.2		1	2.0	10.0	10	ug/L	EPA 6010B	
Thallium	0.053	J	1	0.036	0.050	5.5	ug/L	EPA 6020	
Vanadium	7.1	J	1	1.0	10.0	25	ug/L	EPA 6010B	
Zinc	84.9		1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: 4112 SW-2 — **Lab ID: C713537-14**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	5.3	J	1	0.90	5.0	100	ug/L	EPA 8260B	
Barium	70.9	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Lead	2.0	J	1	2.0	10.0	10	ug/L	EPA 6010B	
Thallium	0.050	J	1	0.036	0.050	5.5	ug/L	EPA 6020	
Toluene	4.2		1	0.15	1.0	1	ug/L	EPA 8260B	
Zinc	11.4		1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: 4112 SW-3 — **Lab ID: C713537-15**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	68	J	1	0.90	5.0	100	ug/L	EPA 8260B	
Barium	16.8	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Bromodichloromethane	6.5		1	0.19	1.0	1	ug/L	EPA 8260B	

Client ID: 4112 SW-3 | **Lab ID: C713537-15**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Chloroform	8.4		1	0.16	1.0	5	ug/L	EPA 8260B	
Copper	10.3		1	0.60	10.0	10	ug/L	EPA 6010B	
Dibromochloromethane	2.8	J	1	0.18	1.0	3	ug/L	EPA 8260B	
Nickel	7.6	J	1	2.0	10.0	50	ug/L	EPA 6010B	
Thallium	0.045	J	1	0.036	0.050	5.5	ug/L	EPA 6020	
Zinc	60.4		1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: 4103 SW-4 | **Lab ID: C713537-16**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	1.7	J	1	0.90	5.0	100	ug/L	EPA 8260B	
Barium	23.0	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Bromodichloromethane	0.66	J	1	0.19	1.0	1	ug/L	EPA 8260B	
Chloroform	1.2	J	1	0.16	1.0	5	ug/L	EPA 8260B	
Copper	8.40	J	1	0.60	10.0	10	ug/L	EPA 6010B	
Thallium	0.055	J	1	0.036	0.050	5.5	ug/L	EPA 6020	
Vanadium	1.5	J	1	1.0	10.0	25	ug/L	EPA 6010B	
Zinc	36.4		1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: 4103 SW-5 | **Lab ID: C713537-17**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	6.3	J	1	0.90	5.0	100	ug/L	EPA 8260B	
Barium	24.0	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Bromodichloromethane	0.48	J	1	0.19	1.0	1	ug/L	EPA 8260B	
Chloroform	1.2	J	1	0.16	1.0	5	ug/L	EPA 8260B	
Copper	10.1		1	0.60	10.0	10	ug/L	EPA 6010B	
Thallium	0.054	J	1	0.036	0.050	5.5	ug/L	EPA 6020	
Vanadium	1.2	J	1	1.0	10.0	25	ug/L	EPA 6010B	
Zinc	45.7		1	1.0	10.0	10	ug/L	EPA 6010B	

Client ID: 4112 DUPLICATE-III | **Lab ID: C713537-18**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium	16.6	J	1	0.20	10.0	100	ug/L	EPA 6010B	
Thallium	0.059	J	1	0.036	0.050	5.5	ug/L	EPA 6020	
Vanadium	3.6	J	1	1.0	10.0	25	ug/L	EPA 6010B	
Zinc	1.2	J	1	1.0	10.0	10	ug/L	EPA 6010B	

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ANALYTICAL RESULTS

Description: 4112 MW-15
Matrix: Ground Water
Project: White Street Landfill Appl Monitoring Wells

Lab Sample ID: C713537-01
Sampled: 09/24/07 13:50
Sampled By: Gary Simcox

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

Volatile Organic Compounds by GCMS

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

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

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Description: 4112 MW-15
Matrix: Ground Water
Project: White Street Landfill Appl Monitoring Wells

Lab Sample ID: C713537-01
Sampled: 09/24/07 13:50
Sampled By: Gary Simcox

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

Volatile Organic Compounds by GCMS

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

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/05/07 09:08	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/05/07 09:08	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	10/05/07 09:08	jkg	
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/05/07 09:08	jkg	
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/05/07 09:08	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*46*	*1*	*50.0*	*93 %*	*53-138*	*7J04015*	*EPA 8260B*	*10/05/07 09:08*	*jkg*	
Dibromofluoromethane	*48*	*1*	*50.0*	*95 %*	*65-110*	*7J04015*	*EPA 8260B*	*10/05/07 09:08*	*jkg*	
Toluene-d8	*45*	*1*	*50.0*	*90 %*	*72-114*	*7J04015*	*EPA 8260B*	*10/05/07 09:08*	*jkg*	

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Description: 4112 MW-15
Matrix: Ground Water
Project: White Street Landfill AppI Monitoring Wells

Lab Sample ID: C713537-01
Sampled: 09/24/07 13:50
Sampled By: Gary Simcox

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

Metals by EPA 6000/7000 Series Methods

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

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] *	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	10/05/07 12:35	ZZZ	
Arsenic [7440-38-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 14:29	JDH	
Barium [7440-39-3] *	**29.9**	J	ug/L	1	0.20	10.0	100	EPA 6010B	10/03/07 14:29	JDH	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	10/03/07 14:29	JDH	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/03/07 14:29	JDH	
Chromium [7440-47-3] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 14:29	JDH	
Cobalt [7440-48-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 14:29	JDH	
Copper [7440-50-8] *	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	10/03/07 14:29	JDH	
Lead [7439-92-1] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 14:29	JDH	
Nickel [7440-02-0] *	2.0	U	ug/L	1	2.0	10.0	50	EPA 6010B	10/03/07 14:29	JDH	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 14:29	JDH	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 14:29	JDH	
Thallium [7440-28-0] *	**0.073**	J	ug/L	1	0.036	0.050	5.5	EPA 6020	10/05/07 12:35	ZZZ	
Vanadium [7440-62-2] *	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	10/03/07 14:29	JDH	
Zinc [7440-66-6] *	1.0	U	ug/L	1	1.0	10.0	10	EPA 6010B	10/03/07 14:29	JDH	

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Description: 4112 MW-16
Matrix: Ground Water
Project: White Street Landfill Appl Monitoring Wells

Lab Sample ID: C713537-02
Sampled: 09/24/07 14:30
Sampled By: Gary Simcox

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

Volatile Organic Compounds by GCMS

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

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/06/07 05:32	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/06/07 05:32	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/06/07 05:32	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/06/07 05:32	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	10/06/07 05:32	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/06/07 05:32	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/06/07 05:32	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	10/06/07 05:32	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/06/07 05:32	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/06/07 05:32	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/06/07 05:32	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/06/07 05:32	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/06/07 05:32	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	10/06/07 05:32	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	10/06/07 05:32	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	10/06/07 05:32	jkg	
Acetone [67-64-1] *	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	10/06/07 05:32	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	10/06/07 05:32	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/06/07 05:32	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	10/06/07 05:32	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/06/07 05:32	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	10/06/07 05:32	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	10/06/07 05:32	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	10/06/07 05:32	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/06/07 05:32	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	10/06/07 05:32	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	10/06/07 05:32	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/06/07 05:32	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/06/07 05:32	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/06/07 05:32	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/06/07 05:32	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	10/06/07 05:32	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/06/07 05:32	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/06/07 05:32	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	10/06/07 05:32	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	10/06/07 05:32	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/06/07 05:32	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	10/06/07 05:32	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/06/07 05:32	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	10/06/07 05:32	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	10/06/07 05:32	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	10/06/07 05:32	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/06/07 05:32	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/06/07 05:32	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	10/06/07 05:32	jkg	

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Description: 4112 MW-16
Matrix: Ground Water
Project: White Street Landfill AppI Monitoring Wells

Lab Sample ID: C713537-02
Sampled: 09/24/07 14:30
Sampled By: Gary Simcox

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

Volatile Organic Compounds by GCMS

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

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/06/07 05:32	jkg	
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/06/07 05:32	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*46*	*1*	*50.0*	*92 %*	*53-138*	*7J05014*	*EPA 8260B*	*10/06/07 05:32*	*jkg*	
Dibromofluoromethane	*46*	*1*	*50.0*	*93 %*	*65-110*	*7J05014*	*EPA 8260B*	*10/06/07 05:32*	*jkg*	
Toluene-d8	*44*	*1*	*50.0*	*88 %*	*72-114*	*7J05014*	*EPA 8260B*	*10/06/07 05:32*	*jkg*	

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Description: 4112 MW-16
Matrix: Ground Water
Project: White Street Landfill AppI Monitoring Wells

Lab Sample ID: C713537-02
Sampled: 09/24/07 14:30
Sampled By: Gary Simcox

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

Metals by EPA 6000/7000 Series Methods

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

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] *	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	10/05/07 12:28	ZZZ	
Arsenic [7440-38-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 14:52	JDH	
Barium [7440-39-3] *	**176**		ug/L	1	0.20	10.0	100	EPA 6010B	10/03/07 14:52	JDH	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	10/03/07 14:52	JDH	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/03/07 14:52	JDH	
Chromium [7440-47-3] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 14:52	JDH	
Cobalt [7440-48-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 14:52	JDH	
Copper [7440-50-8] *	**4.90**	J	ug/L	1	0.60	10.0	10	EPA 6010B	10/03/07 14:52	JDH	
Lead [7439-92-1] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 14:52	JDH	
Nickel [7440-02-0] *	**4.9**	J	ug/L	1	2.0	10.0	50	EPA 6010B	10/03/07 14:52	JDH	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 14:52	JDH	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 14:52	JDH	
Thallium [7440-28-0] *	**0.052**	J	ug/L	1	0.036	0.050	5.5	EPA 6020	10/05/07 12:28	ZZZ	
Vanadium [7440-62-2] *	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	10/03/07 14:52	JDH	
Zinc [7440-66-6] *	**3.1**	J	ug/L	1	1.0	10.0	10	EPA 6010B	10/03/07 14:52	JDH	

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Description: 4112 MW-17
Matrix: Ground Water
Project: White Street Landfill Appl Monitoring Wells

Lab Sample ID: C713537-03
Sampled: 09/24/07 15:25
Sampled By: Gary Simcox

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

Volatile Organic Compounds by GCMS

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

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

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Description: 4112 MW-17
Matrix: Ground Water
Project: White Street Landfill AppI Monitoring Wells

Lab Sample ID: C713537-03
Sampled: 09/24/07 15:25
Sampled By: Gary Simcox

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

Volatile Organic Compounds by GCMS

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

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

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*46*	*1*	*50.0*	*92 %*	*53-138*	*7J05014*	*EPA 8260B*	*10/06/07 06:01*	*jkg*	
Dibromofluoromethane	*46*	*1*	*50.0*	*92 %*	*65-110*	*7J05014*	*EPA 8260B*	*10/06/07 06:01*	*jkg*	
Toluene-d8	*42*	*1*	*50.0*	*84 %*	*72-114*	*7J05014*	*EPA 8260B*	*10/06/07 06:01*	*jkg*	

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Description: 4112 MW-17
Matrix: Ground Water
Project: White Street Landfill AppI Monitoring Wells

Lab Sample ID: C713537-03
Sampled: 09/24/07 15:25
Sampled By: Gary Simcox

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

Metals by EPA 6000/7000 Series Methods

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

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] *	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	10/05/07 12:38	ZZZ	
Arsenic [7440-38-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 14:59	JDH	
Barium [7440-39-3] *	**50.3**	J	ug/L	1	0.20	10.0	100	EPA 6010B	10/03/07 14:59	JDH	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	10/03/07 14:59	JDH	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/03/07 14:59	JDH	
Chromium [7440-47-3] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 14:59	JDH	
Cobalt [7440-48-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 14:59	JDH	
Copper [7440-50-8] *	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	10/03/07 14:59	JDH	
Lead [7439-92-1] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 14:59	JDH	
Nickel [7440-02-0] *	2.0	U	ug/L	1	2.0	10.0	50	EPA 6010B	10/03/07 14:59	JDH	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 14:59	JDH	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 14:59	JDH	
Thallium [7440-28-0] *	**0.069**	J	ug/L	1	0.036	0.050	5.5	EPA 6020	10/05/07 12:38	ZZZ	
Vanadium [7440-62-2] *	**1.4**	J	ug/L	1	1.0	10.0	25	EPA 6010B	10/03/07 14:59	JDH	
Zinc [7440-66-6] *	**2.3**	J	ug/L	1	1.0	10.0	10	EPA 6010B	10/03/07 14:59	JDH	

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Description: 4112 MW-18
Matrix: Ground Water
Project: White Street Landfill Appl Monitoring Wells

Lab Sample ID: C713537-04
Sampled: 09/24/07 16:25
Sampled By: Gary Simcox

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

Volatile Organic Compounds by GCMS

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

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/06/07 06:30	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/06/07 06:30	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/06/07 06:30	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/06/07 06:30	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	10/06/07 06:30	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/06/07 06:30	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/06/07 06:30	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	10/06/07 06:30	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/06/07 06:30	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/06/07 06:30	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/06/07 06:30	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/06/07 06:30	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/06/07 06:30	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	10/06/07 06:30	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	10/06/07 06:30	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	10/06/07 06:30	jkg	
Acetone [67-64-1] *	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	10/06/07 06:30	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	10/06/07 06:30	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/06/07 06:30	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	10/06/07 06:30	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/06/07 06:30	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	10/06/07 06:30	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	10/06/07 06:30	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	10/06/07 06:30	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/06/07 06:30	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	10/06/07 06:30	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	10/06/07 06:30	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/06/07 06:30	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/06/07 06:30	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/06/07 06:30	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/06/07 06:30	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	10/06/07 06:30	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/06/07 06:30	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/06/07 06:30	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	10/06/07 06:30	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	10/06/07 06:30	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/06/07 06:30	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	10/06/07 06:30	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/06/07 06:30	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	10/06/07 06:30	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	10/06/07 06:30	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	10/06/07 06:30	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/06/07 06:30	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/06/07 06:30	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	10/06/07 06:30	jkg	

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Description: 4112 MW-18
Matrix: Ground Water
Project: White Street Landfill AppI Monitoring Wells

Lab Sample ID: C713537-04
Sampled: 09/24/07 16:25
Sampled By: Gary Simcox

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

Volatile Organic Compounds by GCMS

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

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/06/07 06:30	jkg	
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/06/07 06:30	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*45*	*1*	*50.0*	*91 %*	*53-138*	*7J05014*	*EPA 8260B*	*10/06/07 06:30*	*jkg*	
Dibromofluoromethane	*47*	*1*	*50.0*	*94 %*	*65-110*	*7J05014*	*EPA 8260B*	*10/06/07 06:30*	*jkg*	
Toluene-d8	*46*	*1*	*50.0*	*92 %*	*72-114*	*7J05014*	*EPA 8260B*	*10/06/07 06:30*	*jkg*	

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Description: 4112 MW-18
Matrix: Ground Water
Project: White Street Landfill AppI Monitoring Wells

Lab Sample ID: C713537-04
Sampled: 09/24/07 16:25
Sampled By: Gary Simcox

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

Metals by EPA 6000/7000 Series Methods

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

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] *	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	10/05/07 12:46	ZZZ	
Arsenic [7440-38-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 15:05	JDH	
Barium [7440-39-3] *	**29.0**	J	ug/L	1	0.20	10.0	100	EPA 6010B	10/03/07 15:05	JDH	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	10/03/07 15:05	JDH	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/03/07 15:05	JDH	
Chromium [7440-47-3] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 15:05	JDH	
Cobalt [7440-48-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 15:05	JDH	
Copper [7440-50-8] *	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	10/03/07 15:05	JDH	
Lead [7439-92-1] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 15:05	JDH	
Nickel [7440-02-0] *	2.0	U	ug/L	1	2.0	10.0	50	EPA 6010B	10/03/07 15:05	JDH	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 15:05	JDH	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 15:05	JDH	
Thallium [7440-28-0] *	**0.058**	J	ug/L	1	0.036	0.050	5.5	EPA 6020	10/05/07 12:46	ZZZ	
Vanadium [7440-62-2] *	**9.9**	J	ug/L	1	1.0	10.0	25	EPA 6010B	10/03/07 15:05	JDH	
Zinc [7440-66-6] *	**2.1**	J	ug/L	1	1.0	10.0	10	EPA 6010B	10/03/07 15:05	JDH	

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Description: 4112 MW-19
Matrix: Ground Water
Project: White Street Landfill Appl Monitoring Wells

Lab Sample ID: C713537-05
Sampled: 09/24/07 17:30
Sampled By: Gary Simcox

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

Volatile Organic Compounds by GCMS

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

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

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Description: 4112 MW-19
Matrix: Ground Water
Project: White Street Landfill Appl Monitoring Wells

Lab Sample ID: C713537-05
Sampled: 09/24/07 17:30
Sampled By: Gary Simcox

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

Volatile Organic Compounds by GCMS

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

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/06/07 07:00	jkg	
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/06/07 07:00	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*46*	*1*	*50.0*	*92 %*	*53-138*	*7J05014*	*EPA 8260B*	*10/06/07 07:00*	*jkg*	
Dibromofluoromethane	*46*	*1*	*50.0*	*93 %*	*65-110*	*7J05014*	*EPA 8260B*	*10/06/07 07:00*	*jkg*	
Toluene-d8	*43*	*1*	*50.0*	*86 %*	*72-114*	*7J05014*	*EPA 8260B*	*10/06/07 07:00*	*jkg*	

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Description: 4112 MW-19
Matrix: Ground Water
Project: White Street Landfill AppI Monitoring Wells

Lab Sample ID: C713537-05
Sampled: 09/24/07 17:30
Sampled By: Gary Simcox

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

Metals by EPA 6000/7000 Series Methods

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

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] *	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	10/05/07 12:48	ZZZ	
Arsenic [7440-38-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 15:12	JDH	
Barium [7440-39-3] *	**17.2**	J	ug/L	1	0.20	10.0	100	EPA 6010B	10/03/07 15:12	JDH	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	10/03/07 15:12	JDH	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/03/07 15:12	JDH	
Chromium [7440-47-3] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 15:12	JDH	
Cobalt [7440-48-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 15:12	JDH	
Copper [7440-50-8] *	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	10/03/07 15:12	JDH	
Lead [7439-92-1] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 15:12	JDH	
Nickel [7440-02-0] *	2.0	U	ug/L	1	2.0	10.0	50	EPA 6010B	10/03/07 15:12	JDH	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 15:12	JDH	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 15:12	JDH	
Thallium [7440-28-0] *	**0.049**	J	ug/L	1	0.036	0.050	5.5	EPA 6020	10/05/07 12:48	ZZZ	
Vanadium [7440-62-2] *	**3.9**	J	ug/L	1	1.0	10.0	25	EPA 6010B	10/03/07 15:12	JDH	
Zinc [7440-66-6] *	**1.0**	J	ug/L	1	1.0	10.0	10	EPA 6010B	10/03/07 15:12	JDH	

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Description: 4112 MW-20
Matrix: Ground Water
Project: White Street Landfill Appl Monitoring Wells

Lab Sample ID: C713537-06
Sampled: 09/25/07 09:45
Sampled By: Gary Simcox

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

Volatile Organic Compounds by GCMS

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

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/06/07 07:29	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/06/07 07:29	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/06/07 07:29	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/06/07 07:29	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	10/06/07 07:29	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/06/07 07:29	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/06/07 07:29	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	10/06/07 07:29	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/06/07 07:29	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/06/07 07:29	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/06/07 07:29	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/06/07 07:29	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/06/07 07:29	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	10/06/07 07:29	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	10/06/07 07:29	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	10/06/07 07:29	jkg	
Acetone [67-64-1] *	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	10/06/07 07:29	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	10/06/07 07:29	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/06/07 07:29	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	10/06/07 07:29	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/06/07 07:29	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	10/06/07 07:29	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	10/06/07 07:29	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	10/06/07 07:29	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/06/07 07:29	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	10/06/07 07:29	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	10/06/07 07:29	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/06/07 07:29	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/06/07 07:29	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/06/07 07:29	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/06/07 07:29	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	10/06/07 07:29	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/06/07 07:29	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/06/07 07:29	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	10/06/07 07:29	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	10/06/07 07:29	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/06/07 07:29	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	10/06/07 07:29	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/06/07 07:29	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	10/06/07 07:29	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	10/06/07 07:29	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	10/06/07 07:29	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/06/07 07:29	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/06/07 07:29	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	10/06/07 07:29	jkg	

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Description: 4112 MW-20
Matrix: Ground Water
Project: White Street Landfill AppI Monitoring Wells

Lab Sample ID: C713537-06
Sampled: 09/25/07 09:45
Sampled By: Gary Simcox

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

Volatile Organic Compounds by GCMS

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

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/06/07 07:29	jkg	
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/06/07 07:29	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*47*	*1*	*50.0*	*95 %*	*53-138*	*7J05014*	*EPA 8260B*	*10/06/07 07:29*	*jkg*	
Dibromofluoromethane	*46*	*1*	*50.0*	*93 %*	*65-110*	*7J05014*	*EPA 8260B*	*10/06/07 07:29*	*jkg*	
Toluene-d8	*46*	*1*	*50.0*	*91 %*	*72-114*	*7J05014*	*EPA 8260B*	*10/06/07 07:29*	*jkg*	

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Description: 4112 MW-20
Matrix: Ground Water
Project: White Street Landfill AppI Monitoring Wells

Lab Sample ID: C713537-06
Sampled: 09/25/07 09:45
Sampled By: Gary Simcox

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

Metals by EPA 6000/7000 Series Methods

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

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] *	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	10/05/07 12:51	ZZZ	
Arsenic [7440-38-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 15:19	JDH	
Barium [7440-39-3] *	**39.2**	J	ug/L	1	0.20	10.0	100	EPA 6010B	10/03/07 15:19	JDH	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	10/03/07 15:19	JDH	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/03/07 15:19	JDH	
Chromium [7440-47-3] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 15:19	JDH	
Cobalt [7440-48-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 15:19	JDH	
Copper [7440-50-8] *	**1.00**	J	ug/L	1	0.60	10.0	10	EPA 6010B	10/03/07 15:19	JDH	
Lead [7439-92-1] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 15:19	JDH	
Nickel [7440-02-0] *	2.0	U	ug/L	1	2.0	10.0	50	EPA 6010B	10/03/07 15:19	JDH	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 15:19	JDH	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 15:19	JDH	
Thallium [7440-28-0] *	**0.050**	J	ug/L	1	0.036	0.050	5.5	EPA 6020	10/05/07 12:51	ZZZ	
Vanadium [7440-62-2] *	**2.3**	J	ug/L	1	1.0	10.0	25	EPA 6010B	10/03/07 15:19	JDH	
Zinc [7440-66-6] *	1.0	U	ug/L	1	1.0	10.0	10	EPA 6010B	10/03/07 15:19	JDH	

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Description: 4112 MW-21
Matrix: Ground Water
Project: White Street Landfill Appl Monitoring Wells

Lab Sample ID: C713537-07
Sampled: 09/25/07 10:20
Sampled By: Gary Simcox

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

Volatile Organic Compounds by GCMS

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

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/06/07 07:58	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/06/07 07:58	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/06/07 07:58	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/06/07 07:58	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	10/06/07 07:58	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/06/07 07:58	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/06/07 07:58	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	10/06/07 07:58	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/06/07 07:58	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/06/07 07:58	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/06/07 07:58	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/06/07 07:58	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/06/07 07:58	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	10/06/07 07:58	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	10/06/07 07:58	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	10/06/07 07:58	jkg	
Acetone [67-64-1] *	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	10/06/07 07:58	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	10/06/07 07:58	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/06/07 07:58	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	10/06/07 07:58	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/06/07 07:58	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	10/06/07 07:58	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	10/06/07 07:58	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	10/06/07 07:58	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/06/07 07:58	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	10/06/07 07:58	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	10/06/07 07:58	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/06/07 07:58	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/06/07 07:58	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/06/07 07:58	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/06/07 07:58	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	10/06/07 07:58	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/06/07 07:58	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/06/07 07:58	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	10/06/07 07:58	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	10/06/07 07:58	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/06/07 07:58	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	10/06/07 07:58	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/06/07 07:58	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	10/06/07 07:58	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	10/06/07 07:58	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	10/06/07 07:58	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/06/07 07:58	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/06/07 07:58	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	10/06/07 07:58	jkg	

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Description: 4112 MW-21
Matrix: Ground Water
Project: White Street Landfill AppI Monitoring Wells

Lab Sample ID: C713537-07
Sampled: 09/25/07 10:20
Sampled By: Gary Simcox

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

Volatile Organic Compounds by GCMS

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

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/06/07 07:58	jkg	
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/06/07 07:58	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*47*	*1*	*50.0*	*94 %*	*53-138*	*7J05014*	*EPA 8260B*	*10/06/07 07:58*	*jkg*	
Dibromofluoromethane	*47*	*1*	*50.0*	*94 %*	*65-110*	*7J05014*	*EPA 8260B*	*10/06/07 07:58*	*jkg*	
Toluene-d8	*44*	*1*	*50.0*	*89 %*	*72-114*	*7J05014*	*EPA 8260B*	*10/06/07 07:58*	*jkg*	

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Description: 4112 MW-21
Matrix: Ground Water
Project: White Street Landfill AppI Monitoring Wells

Lab Sample ID: C713537-07
Sampled: 09/25/07 10:20
Sampled By: Gary Simcox

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

Metals by EPA 6000/7000 Series Methods

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

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] *	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	10/05/07 12:53	ZZZ	
Arsenic [7440-38-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 15:26	JDH	
Barium [7440-39-3] *	**30.7**	J	ug/L	1	0.20	10.0	100	EPA 6010B	10/03/07 15:26	JDH	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	10/03/07 15:26	JDH	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/03/07 15:26	JDH	
Chromium [7440-47-3] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 15:26	JDH	
Cobalt [7440-48-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 15:26	JDH	
Copper [7440-50-8] *	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	10/03/07 15:26	JDH	
Lead [7439-92-1] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 15:26	JDH	
Nickel [7440-02-0] *	2.0	U	ug/L	1	2.0	10.0	50	EPA 6010B	10/03/07 15:26	JDH	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 15:26	JDH	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 15:26	JDH	
Thallium [7440-28-0] *	**0.057**	J	ug/L	1	0.036	0.050	5.5	EPA 6020	10/05/07 12:53	ZZZ	
Vanadium [7440-62-2] *	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	10/03/07 15:26	JDH	
Zinc [7440-66-6] *	**2.4**	J	ug/L	1	1.0	10.0	10	EPA 6010B	10/03/07 15:26	JDH	

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

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Description: 4112 MW-22
Matrix: Ground Water
Project: White Street Landfill Appl Monitoring Wells

Lab Sample ID: C713537-08
Sampled: 09/24/07 12:00
Sampled By: Gary Simcox

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

Volatile Organic Compounds by GCMS

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

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

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Description: 4112 MW-22
Matrix: Ground Water
Project: White Street Landfill AppI Monitoring Wells

Lab Sample ID: C713537-08
Sampled: 09/24/07 12:00
Sampled By: Gary Simcox

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

Volatile Organic Compounds by GCMS

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

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/06/07 08:27	jkg	
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/06/07 08:27	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*46*	*1*	*50.0*	*92 %*	*53-138*	*7J05014*	*EPA 8260B*	*10/06/07 08:27*	*jkg*	
Dibromofluoromethane	*49*	*1*	*50.0*	*97 %*	*65-110*	*7J05014*	*EPA 8260B*	*10/06/07 08:27*	*jkg*	
Toluene-d8	*43*	*1*	*50.0*	*86 %*	*72-114*	*7J05014*	*EPA 8260B*	*10/06/07 08:27*	*jkg*	

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Description: 4112 MW-22
Matrix: Ground Water
Project: White Street Landfill AppI Monitoring Wells

Lab Sample ID: C713537-08
Sampled: 09/24/07 12:00
Sampled By: Gary Simcox

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

Metals by EPA 6000/7000 Series Methods

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

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] *	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	10/05/07 12:56	ZZZ	
Arsenic [7440-38-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 15:33	JDH	
Barium [7440-39-3] *	**80.4**	J	ug/L	1	0.20	10.0	100	EPA 6010B	10/03/07 15:33	JDH	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	10/03/07 15:33	JDH	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/03/07 15:33	JDH	
Chromium [7440-47-3] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 15:33	JDH	
Cobalt [7440-48-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 15:33	JDH	
Copper [7440-50-8] *	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	10/03/07 15:33	JDH	
Lead [7439-92-1] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 15:33	JDH	
Nickel [7440-02-0] *	2.0	U	ug/L	1	2.0	10.0	50	EPA 6010B	10/03/07 15:33	JDH	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 15:33	JDH	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 15:33	JDH	
Thallium [7440-28-0] *	**0.048**	J	ug/L	1	0.036	0.050	5.5	EPA 6020	10/05/07 12:56	ZZZ	
Vanadium [7440-62-2] *	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	10/03/07 15:33	JDH	
Zinc [7440-66-6] *	**1.3**	J	ug/L	1	1.0	10.0	10	EPA 6010B	10/03/07 15:33	JDH	

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

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Description: 4112 MW-23
Matrix: Ground Water
Project: White Street Landfill Appl Monitoring Wells

Lab Sample ID: C713537-09
Sampled: 09/24/07 11:00
Sampled By: Gary Simcox

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

Volatile Organic Compounds by GCMS

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

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

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Description: 4112 MW-23
Matrix: Ground Water
Project: White Street Landfill AppI Monitoring Wells

Lab Sample ID: C713537-09
Sampled: 09/24/07 11:00
Sampled By: Gary Simcox

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

Volatile Organic Compounds by GCMS

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

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/06/07 08:56	jkg	
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/06/07 08:56	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*46*	*1*	*50.0*	*91 %*	*53-138*	*7J05014*	*EPA 8260B*	*10/06/07 08:56*	*jkg*	
Dibromofluoromethane	*47*	*1*	*50.0*	*95 %*	*65-110*	*7J05014*	*EPA 8260B*	*10/06/07 08:56*	*jkg*	
Toluene-d8	*44*	*1*	*50.0*	*89 %*	*72-114*	*7J05014*	*EPA 8260B*	*10/06/07 08:56*	*jkg*	

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Description: 4112 MW-23
Matrix: Ground Water
Project: White Street Landfill AppI Monitoring Wells

Lab Sample ID: C713537-09
Sampled: 09/24/07 11:00
Sampled By: Gary Simcox

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

Metals by EPA 6000/7000 Series Methods

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

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] *	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	10/05/07 12:58	ZZZ	
Arsenic [7440-38-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 15:58	JDH	
Barium [7440-39-3] *	**60.0**	J	ug/L	1	0.20	10.0	100	EPA 6010B	10/03/07 15:58	JDH	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	10/03/07 15:58	JDH	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/03/07 15:58	JDH	
Chromium [7440-47-3] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 15:58	JDH	
Cobalt [7440-48-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 15:58	JDH	
Copper [7440-50-8] *	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	10/03/07 15:58	JDH	
Lead [7439-92-1] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 15:58	JDH	
Nickel [7440-02-0] *	2.0	U	ug/L	1	2.0	10.0	50	EPA 6010B	10/03/07 15:58	JDH	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 15:58	JDH	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 15:58	JDH	
Thallium [7440-28-0] *	**0.047**	J	ug/L	1	0.036	0.050	5.5	EPA 6020	10/05/07 12:58	ZZZ	
Vanadium [7440-62-2] *	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	10/03/07 15:58	JDH	
Zinc [7440-66-6] *	1.0	U	ug/L	1	1.0	10.0	10	EPA 6010B	10/03/07 15:58	JDH	

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

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Description: 4112 MW-24
Matrix: Ground Water
Project: White Street Landfill Appl Monitoring Wells

Lab Sample ID: C713537-10
Sampled: 09/24/07 10:05
Sampled By: Gary Simcox

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

Volatile Organic Compounds by GCMS

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

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

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Description: 4112 MW-24
Matrix: Ground Water
Project: White Street Landfill AppI Monitoring Wells

Lab Sample ID: C713537-10
Sampled: 09/24/07 10:05
Sampled By: Gary Simcox

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

Volatile Organic Compounds by GCMS

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

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/06/07 09:25	jkg	
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/06/07 09:25	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*46*	*1*	*50.0*	*92 %*	*53-138*	*7J05014*	*EPA 8260B*	*10/06/07 09:25*	*jkg*	
Dibromofluoromethane	*48*	*1*	*50.0*	*97 %*	*65-110*	*7J05014*	*EPA 8260B*	*10/06/07 09:25*	*jkg*	
Toluene-d8	*46*	*1*	*50.0*	*91 %*	*72-114*	*7J05014*	*EPA 8260B*	*10/06/07 09:25*	*jkg*	

www.encolabs.com

Description: 4112 MW-24
Matrix: Ground Water
Project: White Street Landfill AppI Monitoring Wells

Lab Sample ID: C713537-10
Sampled: 09/24/07 10:05
Sampled By: Gary Simcox

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

Metals by EPA 6000/7000 Series Methods

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

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] *	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	10/05/07 13:00	ZZZ	
Arsenic [7440-38-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 16:27	JDH	
Barium [7440-39-3] *	**382**		ug/L	1	0.20	10.0	100	EPA 6010B	10/03/07 16:27	JDH	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	10/03/07 16:27	JDH	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/03/07 16:27	JDH	
Chromium [7440-47-3] *	**2.4**	J	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 16:27	JDH	
Cobalt [7440-48-4] *	**2.9**	J	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 16:27	JDH	
Copper [7440-50-8] *	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	10/03/07 16:27	JDH	
Lead [7439-92-1] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 16:27	JDH	
Nickel [7440-02-0] *	**9.4**	J	ug/L	1	2.0	10.0	50	EPA 6010B	10/03/07 16:27	JDH	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 16:27	JDH	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 16:27	JDH	
Thallium [7440-28-0] *	**0.048**	J	ug/L	1	0.036	0.050	5.5	EPA 6020	10/05/07 13:00	ZZZ	
Vanadium [7440-62-2] *	1.0	U	ug/L	1	1.0	10.0	25	EPA 6010B	10/03/07 16:27	JDH	
Zinc [7440-66-6] *	**1.5**	J	ug/L	1	1.0	10.0	10	EPA 6010B	10/03/07 16:27	JDH	

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

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Description: 4112 MW-25B
Matrix: Ground Water
Project: White Street Landfill Appl Monitoring Wells

Lab Sample ID: C713537-12
Sampled: 09/25/07 08:10
Sampled By: Gary Simcox

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

Volatile Organic Compounds by GCMS

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

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/06/07 09:54	jkg	
1,1,1-Trichloroethane [71-55-6] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/06/07 09:54	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] *	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/06/07 09:54	jkg	
1,1,2-Trichloroethane [79-00-5] *	0.24	U	ug/L	1	0.24	1.0	1	EPA 8260B	10/06/07 09:54	jkg	
1,1-Dichloroethane [75-34-3] *	0.090	U	ug/L	1	0.090	1.0	5	EPA 8260B	10/06/07 09:54	jkg	
1,1-Dichloroethene [75-35-4] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/06/07 09:54	jkg	
1,2,3-Trichloropropane [96-18-4] *	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/06/07 09:54	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] *	0.19	U	ug/L	1	0.19	1.0	13	EPA 8260B	10/06/07 09:54	jkg	
1,2-Dibromoethane [106-93-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/06/07 09:54	jkg	
1,2-Dichlorobenzene [95-50-1] *	0.17	U	ug/L	1	0.17	1.0	5	EPA 8260B	10/06/07 09:54	jkg	
1,2-Dichloroethane [107-06-2] *	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/06/07 09:54	jkg	
1,2-Dichloropropane [78-87-5] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/06/07 09:54	jkg	
1,4-Dichlorobenzene [106-46-7] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/06/07 09:54	jkg	
2-Butanone [78-93-3] *	0.56	U	ug/L	1	0.56	5.0	100	EPA 8260B	10/06/07 09:54	jkg	
2-Hexanone [591-78-6] *	0.24	U	ug/L	1	0.24	5.0	50	EPA 8260B	10/06/07 09:54	jkg	
4-Methyl-2-pentanone [108-10-1] *	0.36	U	ug/L	1	0.36	5.0	100	EPA 8260B	10/06/07 09:54	jkg	
Acetone [67-64-1] *	0.90	U	ug/L	1	0.90	5.0	100	EPA 8260B	10/06/07 09:54	jkg	
Acrylonitrile [107-13-1] *	2.0	U	ug/L	1	2.0	5.0	200	EPA 8260B	10/06/07 09:54	jkg	
Benzene [71-43-2] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/06/07 09:54	jkg	
Bromochloromethane [74-97-5] *	0.19	U	ug/L	1	0.19	1.0	3	EPA 8260B	10/06/07 09:54	jkg	
Bromodichloromethane [75-27-4] *	0.19	U	ug/L	1	0.19	1.0	1	EPA 8260B	10/06/07 09:54	jkg	
Bromoform [75-25-2] *	0.36	U	ug/L	1	0.36	1.0	3	EPA 8260B	10/06/07 09:54	jkg	
Bromomethane [74-83-9] *	0.21	U	ug/L	1	0.21	1.0	10	EPA 8260B	10/06/07 09:54	jkg	
Carbon disulfide [75-15-0] *	0.12	U	ug/L	1	0.12	5.0	100	EPA 8260B	10/06/07 09:54	jkg	
Carbon tetrachloride [56-23-5] *	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/06/07 09:54	jkg	
Chlorobenzene [108-90-7] *	0.16	U	ug/L	1	0.16	1.0	3	EPA 8260B	10/06/07 09:54	jkg	
Chloroethane [75-00-3] *	0.40	U	ug/L	1	0.40	1.0	10	EPA 8260B	10/06/07 09:54	jkg	
Chloroform [67-66-3] *	0.16	U	ug/L	1	0.16	1.0	5	EPA 8260B	10/06/07 09:54	jkg	
Chloromethane [74-87-3] *	0.18	U	ug/L	1	0.18	1.0	1	EPA 8260B	10/06/07 09:54	jkg	
cis-1,2-Dichloroethene [156-59-2] *	0.14	U	ug/L	1	0.14	1.0	5	EPA 8260B	10/06/07 09:54	jkg	
cis-1,3-Dichloropropene [10061-01-5] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/06/07 09:54	jkg	
Dibromochloromethane [124-48-1] *	0.18	U	ug/L	1	0.18	1.0	3	EPA 8260B	10/06/07 09:54	jkg	
Dibromomethane [74-95-3] *	0.14	U	ug/L	1	0.14	1.0	10	EPA 8260B	10/06/07 09:54	jkg	
Ethylbenzene [100-41-4] *	0.17	U	ug/L	1	0.17	1.0	1	EPA 8260B	10/06/07 09:54	jkg	
Iodomethane [74-88-4] *	0.23	U	ug/L	1	0.23	2.0	10	EPA 8260B	10/06/07 09:54	jkg	
Methylene chloride [75-09-2] *	0.088	U	ug/L	1	0.088	2.0	1	EPA 8260B	10/06/07 09:54	jkg	
Styrene [100-42-5] *	0.12	U	ug/L	1	0.12	1.0	1	EPA 8260B	10/06/07 09:54	jkg	
Tetrachloroethene [127-18-4] *	0.25	U	ug/L	1	0.25	1.0	1	EPA 8260B	10/06/07 09:54	jkg	
Toluene [108-88-3] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/06/07 09:54	jkg	
trans-1,2-Dichloroethene [156-60-5] *	0.10	U	ug/L	1	0.10	1.0	5	EPA 8260B	10/06/07 09:54	jkg	
trans-1,3-Dichloropropene [10061-02-6] *	0.18	U	ug/L	1	0.18	0.20	1	EPA 8260B	10/06/07 09:54	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] *	0.60	U	ug/L	1	0.60	1.0	100	EPA 8260B	10/06/07 09:54	jkg	
Trichloroethene [79-01-6] *	0.23	U	ug/L	1	0.23	1.0	1	EPA 8260B	10/06/07 09:54	jkg	
Trichlorofluoromethane [75-69-4] *	0.16	U	ug/L	1	0.16	1.0	1	EPA 8260B	10/06/07 09:54	jkg	
Vinyl acetate [108-05-4] *	0.19	U	ug/L	1	0.19	2.0	50	EPA 8260B	10/06/07 09:54	jkg	

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Description: 4112 MW-25B
Matrix: Ground Water
Project: White Street Landfill AppI Monitoring Wells

Lab Sample ID: C713537-12
Sampled: 09/25/07 08:10
Sampled By: Gary Simcox

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

Volatile Organic Compounds by GCMS

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

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/06/07 09:54	jkg	
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/06/07 09:54	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*47*	*1*	*50.0*	*93 %*	*53-138*	*7J05014*	*EPA 8260B*	*10/06/07 09:54*	*jkg*	
Dibromofluoromethane	*48*	*1*	*50.0*	*96 %*	*65-110*	*7J05014*	*EPA 8260B*	*10/06/07 09:54*	*jkg*	
Toluene-d8	*45*	*1*	*50.0*	*90 %*	*72-114*	*7J05014*	*EPA 8260B*	*10/06/07 09:54*	*jkg*	

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Description: 4112 MW-25B
Matrix: Ground Water
Project: White Street Landfill AppI Monitoring Wells

Lab Sample ID: C713537-12
Sampled: 09/25/07 08:10
Sampled By: Gary Simcox

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

Metals by EPA 6000/7000 Series Methods

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

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] *	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	10/05/07 13:03	ZZZ	
Arsenic [7440-38-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 16:34	JDH	
Barium [7440-39-3] *	**13.0**	J	ug/L	1	0.20	10.0	100	EPA 6010B	10/03/07 16:34	JDH	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	10/03/07 16:34	JDH	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/03/07 16:34	JDH	
Chromium [7440-47-3] *	**2.1**	J	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 16:34	JDH	
Cobalt [7440-48-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 16:34	JDH	
Copper [7440-50-8] *	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	10/03/07 16:34	JDH	
Lead [7439-92-1] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 16:34	JDH	
Nickel [7440-02-0] *	2.0	U	ug/L	1	2.0	10.0	50	EPA 6010B	10/03/07 16:34	JDH	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 16:34	JDH	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 16:34	JDH	
Thallium [7440-28-0] *	**0.053**	J	ug/L	1	0.036	0.050	5.5	EPA 6020	10/05/07 13:03	ZZZ	
Vanadium [7440-62-2] *	**2.8**	J	ug/L	1	1.0	10.0	25	EPA 6010B	10/03/07 16:34	JDH	
Zinc [7440-66-6] *	1.0	U	ug/L	1	1.0	10.0	10	EPA 6010B	10/03/07 16:34	JDH	

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

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

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

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

Volatile Organic Compounds by GCMS

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

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

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

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

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

Volatile Organic Compounds by GCMS

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

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

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

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

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

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

Metals by EPA 6000/7000 Series Methods

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

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

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

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

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

Volatile Organic Compounds by GCMS

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

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

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

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

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

Volatile Organic Compounds by GCMS

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

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

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

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

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

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

Metals by EPA 6000/7000 Series Methods

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

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

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

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

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

Volatile Organic Compounds by GCMS

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

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

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

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

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

Volatile Organic Compounds by GCMS

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

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

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

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

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

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

Metals by EPA 6000/7000 Series Methods

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

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

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

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

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

Volatile Organic Compounds by GCMS

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

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

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

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

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

Volatile Organic Compounds by GCMS

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

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

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

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

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

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

Metals by EPA 6000/7000 Series Methods

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

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

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

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

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

Volatile Organic Compounds by GCMS

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

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

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

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

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

Volatile Organic Compounds by GCMS

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

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

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

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

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

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

Metals by EPA 6000/7000 Series Methods

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

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

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Description: 4112 DUPLICATE-III
Matrix: Ground Water
Project: White Street Landfill Appl Monitoring Wells

Lab Sample ID: C713537-18
Sampled: 09/24/07 00:00
Sampled By: Gary Simcox

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

Volatile Organic Compounds by GCMS

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

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

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Description: 4112 DUPLICATE-III
Matrix: Ground Water
Project: White Street Landfill AppI Monitoring Wells

Lab Sample ID: C713537-18
Sampled: 09/24/07 00:00
Sampled By: Gary Simcox

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

Volatile Organic Compounds by GCMS

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

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl chloride [75-01-4] *	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	10/06/07 11:50	jkg	
Xylenes (Total) [1330-20-7]	0.21	U	ug/L	1	0.21	1.0	5	EPA 8260B	10/06/07 11:50	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*47*	*1*	*50.0*	*94 %*	*53-138*	*7J05014*	*EPA 8260B*	*10/06/07 11:50*	*jkg*	
Dibromofluoromethane	*49*	*1*	*50.0*	*98 %*	*65-110*	*7J05014*	*EPA 8260B*	*10/06/07 11:50*	*jkg*	
Toluene-d8	*44*	*1*	*50.0*	*88 %*	*72-114*	*7J05014*	*EPA 8260B*	*10/06/07 11:50*	*jkg*	

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Description: 4112 DUPLICATE-III
Matrix: Ground Water
Project: White Street Landfill Appl Monitoring Wells

Lab Sample ID: C713537-18
Sampled: 09/24/07 00:00
Sampled By: Gary Simcox

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

Metals by EPA 6000/7000 Series Methods

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

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] *	0.68	U	ug/L	1	0.68	2.00	6	EPA 6020	10/05/07 13:23	ZZZ	
Arsenic [7440-38-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 17:15	JDH	
Barium [7440-39-3] *	**16.6**	J	ug/L	1	0.20	10.0	100	EPA 6010B	10/03/07 17:15	JDH	
Beryllium [7440-41-7] *	0.70	U	ug/L	1	0.70	1.00	1	EPA 6010B	10/03/07 17:15	JDH	
Cadmium [7440-43-9] *	0.50	U	ug/L	1	0.50	1.00	1	EPA 6010B	10/03/07 17:15	JDH	
Chromium [7440-47-3] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 17:15	JDH	
Cobalt [7440-48-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 17:15	JDH	
Copper [7440-50-8] *	0.60	U	ug/L	1	0.60	10.0	10	EPA 6010B	10/03/07 17:15	JDH	
Lead [7439-92-1] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 17:15	JDH	
Nickel [7440-02-0] *	2.0	U	ug/L	1	2.0	10.0	50	EPA 6010B	10/03/07 17:15	JDH	
Selenium [7782-49-2] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 17:15	JDH	
Silver [7440-22-4] *	2.0	U	ug/L	1	2.0	10.0	10	EPA 6010B	10/03/07 17:15	JDH	
Thallium [7440-28-0] *	**0.059**	J	ug/L	1	0.036	0.050	5.5	EPA 6020	10/05/07 13:23	ZZZ	
Vanadium [7440-62-2] *	**3.6**	J	ug/L	1	1.0	10.0	25	EPA 6010B	10/03/07 17:15	JDH	
Zinc [7440-66-6] *	**1.2**	J	ug/L	1	1.0	10.0	10	EPA 6010B	10/03/07 17:15	JDH	

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

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

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

Volatile Organic Compounds by GCMS

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

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

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

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

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

Volatile Organic Compounds by GCMS

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

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

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

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

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 7J04015 - EPA 5030B_MS

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

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

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 7J04015 - EPA 5030B_MS

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

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

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

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

Matrix Spike (7J04015-MS1) Prepared: 10/04/2007 11:39 Analyzed: 10/05/2007 00:24
Source: C714262-10

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

Matrix Spike Dup (7J04015-MSD1) Prepared: 10/04/2007 11:39 Analyzed: 10/05/2007 00:53
Source: C714262-10

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

Batch 7J05014 - EPA 5030B_MS

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

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

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 7J05014 - EPA 5030B_MS

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

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

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

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

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 7J05014 - EPA 5030B_MS

LCS (7J05014-BS1) Continued

Prepared: 10/05/2007 11:28 Analyzed: 10/06/2007 03:07

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

Matrix Spike (7J05014-MS1)
Source: C714262-13

Prepared: 10/05/2007 11:28 Analyzed: 10/06/2007 03:36

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

Matrix Spike Dup (7J05014-MSD1)
Source: C714262-13

Prepared: 10/05/2007 11:28 Analyzed: 10/06/2007 04:05

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

Batch 7J06003 - EPA 5030B_MS

Blank (7J06003-BLK1)

Prepared: 10/06/2007 12:49 Analyzed: 10/07/2007 04:22

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

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 7J06003 - EPA 5030B_MS

Blank (7J06003-BLK1) Continued

Prepared: 10/06/2007 12:49 Analyzed: 10/07/2007 04:22

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

LCS (7J06003-BS1)

Prepared: 10/06/2007 12:49 Analyzed: 10/07/2007 04:51

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

Matrix Spike (7J06003-MS1)

Source: C714262-15

Prepared: 10/06/2007 12:49 Analyzed: 10/07/2007 05:20

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

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 7J06003 - EPA 5030B_MS

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

Source: C714262-15

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

Batch 7J07002 - EPA 5030B_MS

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

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

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 7J07002 - EPA 5030B_MS

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

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

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

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

Matrix Spike (7J07002-MS1) Prepared: 10/07/2007 15:45 Analyzed: 10/07/2007 18:01
Source: C712725-09

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

Matrix Spike Dup (7J07002-MSD1) Prepared: 10/07/2007 15:45 Analyzed: 10/07/2007 18:31
Source: C712725-09

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

Metals by EPA 6000/7000 Series Methods - Quality Control

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 7I27010 - EPA 3005A

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

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	2.0	U	10.0	ug/L							
Barium	**0.20**	**J**	10.0	ug/L							
Beryllium	0.70	U	1.00	ug/L							
Cadmium	0.50	U	1.00	ug/L							
Chromium	2.0	U	10.0	ug/L							
Cobalt	2.0	U	10.0	ug/L							
Copper	0.60	U	10.0	ug/L							
Lead	2.0	U	10.0	ug/L							
Nickel	2.0	U	10.0	ug/L							
Selenium	2.0	U	10.0	ug/L							
Silver	2.0	U	10.0	ug/L							
Vanadium	1.0	U	10.0	ug/L							
Zinc	1.0	U	10.0	ug/L							

LCS (7I27010-BS1) Prepared: 09/27/2007 09:03 Analyzed: 10/03/2007 13:39

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

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

Source: C713537-01

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

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 7I27010 - EPA 3005A

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

Source: C713537-01

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

Batch 7I27011 - EPA 3005A

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

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

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

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

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

Source: C713537-02

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

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

Source: C713537-02

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

FLAGS/NOTES AND DEFINITIONS

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

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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

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

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

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

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

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

___ Standard

___ Expedited

Due ___/___/___

Lab Workorder: C713537

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 MW-15	9/24/07	13:50	G	Water	4	X	X									
	4112 MW-16	9/24/07	14:30	G	Water	4	X	X									
	4112 MW-17	9/24/07	15:25	G	Water	4	X	X									
	4112 MW-18	9/24/07	16:25	G	Water	4	X	X									
	4112 MW-19	9/24/07	17:30	G	Water	4	X	X									
	4112 MW-20	9/25/07	9:45	G	Water	4	X	X									
	4112 MW-21	9/25/07	10:20	G	Water	4	X	X									
	4112 MW-22	9/24/07	12:00	G	Water	4	X	X									
	4112 MW-23	9/24/07	11:00	G	Water	4	X	X									
	4112 MW-24	9/24/07	10:05	G	Water	4	X	X									
	~~4112 MW-25~~				~~Water~~	~~4~~	~~X~~	~~X~~									
	4112 MW-25B	9/25/07	8:10	G	Water	4	X	X									

<-- Total # of Containers

Sample Kit Prepared By: CARY	Date/Time: 9/19/07 1145	Relinquished By: [illegible]	Date/Time: 9/25/07 1400	Received By: Samuel Lee Harp	Date/Time: 9/25/07 14:00
Comments:		Relinquished By:	Date/Time:	Received By:	Date/Time:
		Relinquished By:	Date/Time:	Received By:	Date/Time:
		Cooler #'s & Temps on Receipt: C-110		Condition Upon Receipt: ___ Acceptable ___ Unacceptable	

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

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

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

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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

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

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

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

___ Standard

___ Expedited

Due ___/___/___

Lab Workorder: C713537

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	9/25/07	9:00	G	Water	4	X	X									
	4112 SW-2	9/25/07	1100	G	Water	4	X	X									
	4112 SW-3	9/25/07	10:00	G	Water	4	X	X									
	4103 SW-4	9/25/07	1200	G	Water	4	X	X									
	4103 SW-5	9/25/07	1245	G	Water	4	X	X									
	4112 DUPLICATE-III	9/24/07	—	G	Water	4	X	X									
	4112 Trip Blank#3				Water	2	X										

<-- Total # of Containers

Sample Kit Prepared By: CARY	Date/Time: 9/19/07 1145	Relinquished By:	Date/Time: 9/25/07 1400	Received By: Samuel La Hum	Date/Time: 9/25/07 14:00
Comments:		Relinquished By:	Date/Time:	Received By:	Date/Time:
		Relinquished By:	Date/Time:	Received By:	Date/Time:
		Cooler #'s & Temps on Receipt: C-110		Condition Upon Receipt: ___ Acceptable ___ Unacceptable	

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

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements	228
Total Non-Detects	214 (93.8596%)
Pooled Mean	475.95
Pooled Std Dev	98.5322
Compliance Meas.	190
Compliance Mean	476.857
Compliance Std Dev	98.2041
Background Meas.	38
Background Mean	471.418
Background Std Dev	101.368

Background Locations

There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-15	19	18	94.7368	9029.9
MW-16	19	17	89.4737	8884

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-15	475.258	107.848	0	2153	113.316
MW-16	467.579	97.2593	0	2278.5	119.921

Compliance Locations

There are 10 compliance location

Location	Obs.	Non-Detects	% ND	Total
MW-17	19	18	94.7368	9050.3
MW-18	19	18	94.7368	9029
MW-19	19	17	89.4737	8586.2
MW-20	19	18	94.7368	9039.2
MW-21	19	18	94.7368	9030.7
MW-22	19	18	94.7368	9080.4
MW-23	19	18	94.7368	9060
MW-24	19	17	89.4737	9214
MW-25	19	19	100	9500
MW-25d	19	18	94.7368	9013

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	Rank Mean
MW-17	476.332	103.168	4.91316	28.2198	2156	113.474
MW-18	475.211	108.055	3.79211	28.2198	2152	113.263
MW-19	451.905	144.32	-19.5132	28.2198	2266.5	119.289
MW-20	475.747	105.715	4.32895	28.2198	2155	113.421
MW-21	475.3	107.665	3.88158	28.2198	2154	113.368
MW-22	477.916	96.2628	6.49737	28.2198	2159	113.632
MW-23	476.842	100.943	5.42368	28.2198	2157	113.526
MW-24	484.947	45.8518	13.5289	28.2198	2282.5	120.132
MW-25	500	0	28.5816	28.2198	2042.5	107.5
MW-25d	474.368	111.725	2.95	28.2198	2150	113.158

Analysis of Variance Statistics

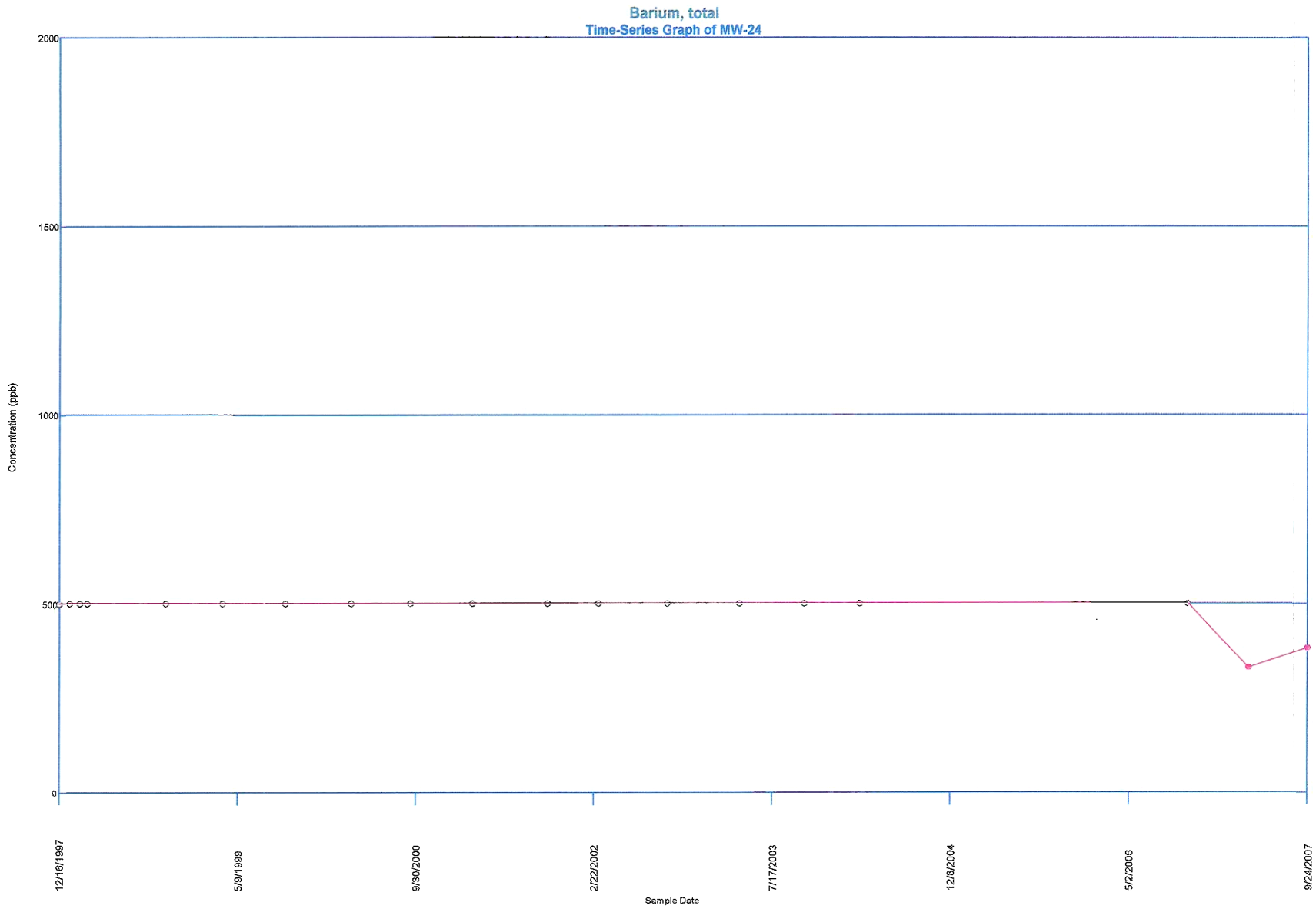
SS Wells	25011.1
SS Total	2.20385e+006

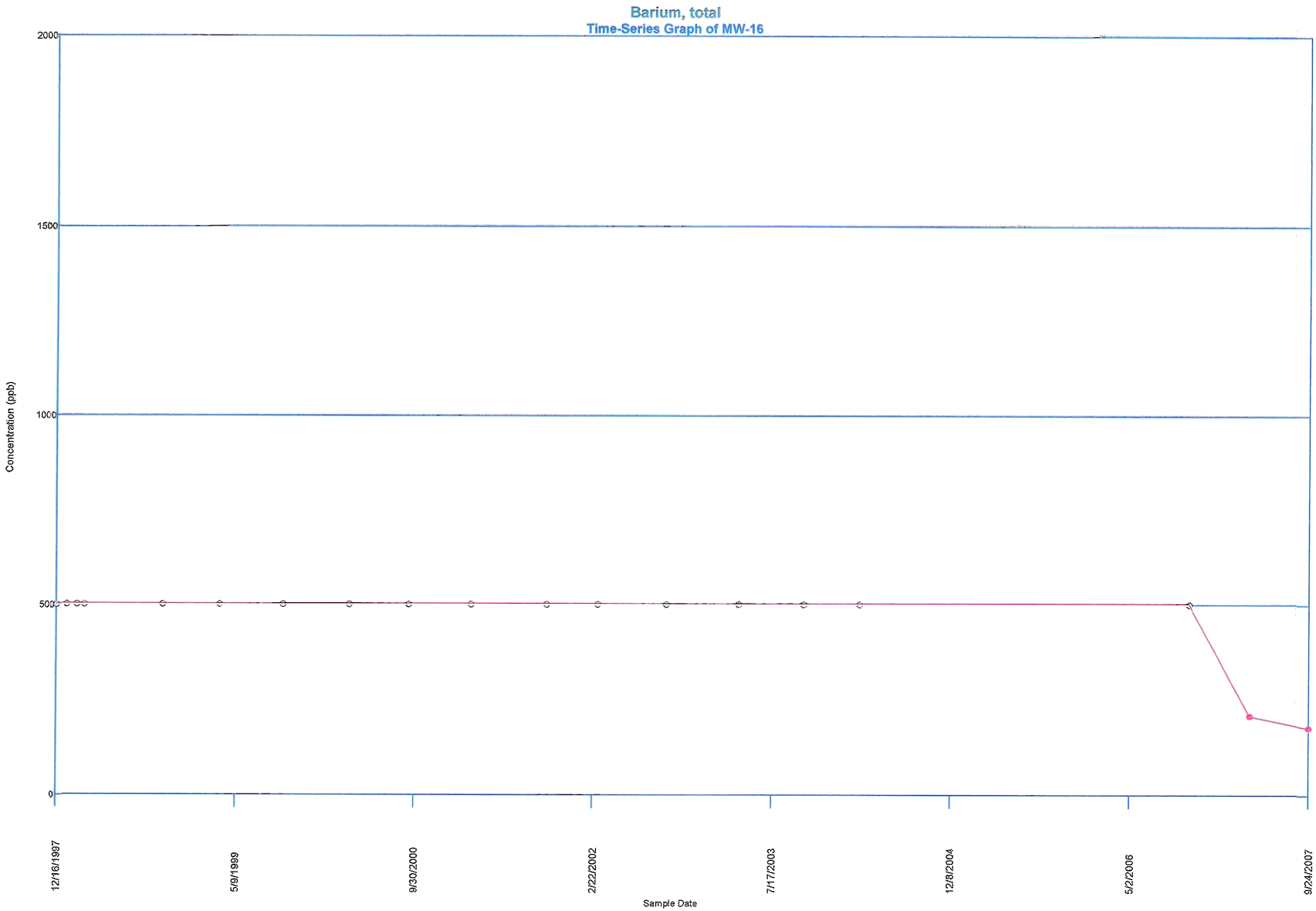
Kruskal-Wallis Statistics

Non-Detect Rank	107.5
Background Rank Sum	4431.5
Background Rank Mean	116.618
H Statistic	0.529084
H Adjusted for Ties	3.05594

APPENDIX D

Time vs. Concentration Graphs


Barium, total
Time-Series Graph of MW-24
Concentration (ppb)
2000
1500
1000
500
0
12/16/1997
5/9/1999
9/30/2000
2/22/2002
7/17/2003
12/8/2004
5/2/2006
9/24/2007
Sample Date


Barium, total
Time-Series Graph of MW-16
Concentration (ppb)
2000
1500
1000
500
0
12/16/1997
5/9/1999
9/30/2000
2/22/2002
7/17/2003
12/8/2004
5/2/2006
9/24/2007
Sample Date

APPENDIX E
Data Distribution Tests

Shapiro-Francia Test of Normality

Parameter: Barium, total

All Locations

Normality Test of Parameter Concentrations

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 228

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	13	-2.65209	7.03356	-34.4771
2	17.2	-2.40892	12.8365	-75.9106
3	29	-2.22621	17.7925	-140.471
4	29.9	-2.12007	22.2872	-203.861
5	30.7	-2.03352	26.4224	-266.29
6	39.2	-1.94314	30.1981	-342.461
7	50.3	-1.88079	33.7355	-437.064
8	60	-1.82501	37.0662	-546.565
9	69	-1.76241	40.1723	-668.171
10	80.4	-1.71688	43.1199	-806.209
11	176	-1.66456	45.8907	-1099.17
12	208	-1.62576	48.5338	-1437.33
13	332	-1.58927	51.0596	-1964.97
14	382	-1.54643	53.451	-2555.7
15	500	-1.5141	55.7436	-3312.76
16	500	-1.48328	57.9437	-4054.4
17	500	-1.44663	60.0364	-4777.71
18	500	-1.41865	62.049	-5487.04
19	500	-1.39175	63.986	-6182.91
20	500	-1.35946	65.8341	-6862.64
21	500	-1.33462	67.6153	-7529.96
22	500	-1.30469	69.3175	-8182.3
23	500	-1.28155	70.9599	-8823.07
24	500	-1.25908	72.5452	-9452.62
25	500	-1.23187	74.0627	-10068.5
26	500	-1.21073	75.5285	-10673.9
27	500	-1.19012	76.9449	-11269
28	500	-1.16505	78.3023	-11851.5
29	500	-1.1455	79.6144	-12424.2
30	500	-1.12168	80.8726	-12985.1
31	500	-1.10306	82.0893	-13536.6
32	500	-1.08482	83.2662	-14079
33	500	-1.06252	84.3951	-14610.3
34	500	-1.04505	85.4873	-15132.8
35	500	-1.02789	86.5438	-15646.8
36	500	-1.00687	87.5576	-16150.2
37	500	-0.990356	88.5384	-16645.4
38	500	-0.974114	89.4873	-17132.4
39	500	-0.954165	90.3977	-17609.5
40	500	-0.938476	91.2785	-18078.7
41	500	-0.919183	92.1234	-18538.3
42	500	-0.903992	92.9406	-18990.3
43	500	-0.889006	93.7309	-19434.8
44	500	-0.87055	94.4888	-19870.1
45	500	-0.855996	95.2215	-20298.1
46	500	-0.841621	95.9298	-20718.9
47	500	-0.823893	96.6086	-21130.9
48	500	-0.809896	97.2646	-21535.8
49	500	-0.796056	97.8983	-21933.8
50	500	-0.778966	98.505	-22323.3
51	500	-0.765456	99.091	-22706.1
52	500	-0.748762	99.6516	-23080.4
53	500	-0.735557	100.193	-23448.2
54	500	-0.722479	100.715	-23809.5
55	500	-0.706302	101.213	-24162.6
56	500	-0.693493	101.694	-24509.4
57	500	-0.680797	102.158	-24849.8
58	500	-0.665079	102.6	-25182.3
59	500	-0.652622	103.026	-25508.6
60	500	-0.637192	103.432	-25827.2
61	500	-0.624956	103.823	-26139.7
62	500	-0.612813	104.198	-26446.1

63	500	-0.597761	104.556	-26745
64	500	-0.585815	104.899	-27037.9
65	500	-0.573953	105.228	-27324.8
66	500	-0.559237	105.541	-27604.5
67	500	-0.547551	105.841	-27878.2
68	500	-0.53594	106.128	-28146.2
69	500	-0.521527	106.4	-28407
70	500	-0.510074	106.66	-28662
71	500	-0.49585	106.906	-28909.9
72	500	-0.484544	107.141	-29152.2
73	500	-0.473299	107.365	-29388.9
74	500	-0.459327	107.576	-29618.5
75	500	-0.448213	107.777	-29842.6
76	500	-0.437153	107.968	-30061.2
77	500	-0.423405	108.147	-30272.9
78	500	-0.412463	108.317	-30479.1
79	500	-0.401571	108.478	-30679.9
80	500	-0.388022	108.629	-30873.9
81	500	-0.377233	108.771	-31062.6
82	500	-0.363809	108.904	-31244.5
83	500	-0.353118	109.028	-31421
84	500	-0.342466	109.146	-31592.2
85	500	-0.329206	109.254	-31756.9
86	500	-0.318639	109.356	-31916.2
87	500	-0.308108	109.45	-32070.2
88	500	-0.294992	109.538	-32217.7
89	500	-0.284535	109.618	-32360
90	500	-0.271509	109.692	-32495.7
91	500	-0.26112	109.76	-32626.3
92	500	-0.250759	109.823	-32751.7
93	500	-0.237847	109.88	-32870.6
94	500	-0.227545	109.932	-32984.4
95	500	-0.217267	109.979	-33093
96	500	-0.204452	110.021	-33195.2
97	500	-0.194225	110.058	-33292.4
98	500	-0.184017	110.092	-33384.4
99	500	-0.171285	110.122	-33470
100	500	-0.161119	110.147	-33550.6
101	500	-0.148434	110.17	-33624.8
102	500	-0.138305	110.189	-33693.9
103	500	-0.128189	110.205	-33758
104	500	-0.115562	110.218	-33815.8
105	500	-0.105474	110.23	-33868.5
106	500	-0.0953969	110.239	-33916.2
107	500	-0.0828129	110.246	-33957.6
108	500	-0.0727562	110.251	-33994
109	500	-0.0627062	110.255	-34025.4
110	500	-0.0501541	110.257	-34050.5
111	500	-0.0401167	110.259	-34070.5
112	500	-0.0275759	110.26	-34084.3
113	500	-0.0175476	110.26	-34093.1
114	500	-0.00751925	110.26	-34096.8
115	500	0.00751925	110.26	-34093.1
116	500	0.0175476	110.26	-34084.3
117	500	0.0275759	110.261	-34070.5
118	500	0.0401167	110.263	-34050.5
119	500	0.0501541	110.265	-34025.4
120	500	0.0627062	110.269	-33994
121	500	0.0727562	110.274	-33957.6
122	500	0.0828129	110.281	-33916.2
123	500	0.0953969	110.29	-33868.5
124	500	0.105474	110.302	-33815.8
125	500	0.115562	110.315	-33758
126	500	0.128189	110.331	-33693.9
127	500	0.138305	110.35	-33624.8
128	500	0.148434	110.372	-33550.6
129	500	0.161119	110.398	-33470
130	500	0.171285	110.428	-33384.4
131	500	0.184017	110.462	-33292.4
132	500	0.194225	110.499	-33195.2
133	500	0.204452	110.541	-33093

134	500	0.217267	110.588	-32984.4
135	500	0.227545	110.64	-32870.6
136	500	0.237847	110.697	-32751.7
137	500	0.250759	110.76	-32626.3
138	500	0.26112	110.828	-32495.7
139	500	0.271509	110.902	-32360
140	500	0.284535	110.982	-32217.7
141	500	0.294992	111.069	-32070.2
142	500	0.308108	111.164	-31916.2
143	500	0.318639	111.266	-31756.9
144	500	0.329206	111.374	-31592.2
145	500	0.342466	111.492	-31421
146	500	0.353118	111.616	-31244.5
147	500	0.363809	111.749	-31062.6
148	500	0.377233	111.891	-30873.9
149	500	0.388022	112.042	-30679.9
150	500	0.401571	112.203	-30479.1
151	500	0.412463	112.373	-30272.9
152	500	0.423405	112.552	-30061.2
153	500	0.437153	112.743	-29842.6
154	500	0.448213	112.944	-29618.5
155	500	0.459327	113.155	-29388.9
156	500	0.473299	113.379	-29152.2
157	500	0.484544	113.614	-28909.9
158	500	0.49585	113.86	-28662
159	500	0.510074	114.12	-28407
160	500	0.521527	114.392	-28146.2
161	500	0.53594	114.679	-27878.2
162	500	0.547551	114.979	-27604.5
163	500	0.559237	115.292	-27324.8
164	500	0.573953	115.621	-27037.9
165	500	0.585815	115.964	-26745
166	500	0.597761	116.322	-26446.1
167	500	0.612813	116.697	-26139.7
168	500	0.624956	117.088	-25827.2
169	500	0.637192	117.494	-25508.6
170	500	0.652622	117.92	-25182.3
171	500	0.665079	118.362	-24849.8
172	500	0.680797	118.826	-24509.4
173	500	0.693493	119.306	-24162.6
174	500	0.706302	119.805	-23809.5
175	500	0.722479	120.327	-23448.2
176	500	0.735557	120.868	-23080.4
177	500	0.748762	121.429	-22706.1
178	500	0.765456	122.015	-22323.3
179	500	0.778966	122.622	-21933.8
180	500	0.796056	123.255	-21535.8
181	500	0.809896	123.911	-21130.9
182	500	0.823893	124.59	-20718.9
183	500	0.841621	125.298	-20298.1
184	500	0.855996	126.031	-19870.1
185	500	0.87055	126.789	-19434.8
186	500	0.889006	127.579	-18990.3
187	500	0.903992	128.397	-18538.3
188	500	0.919183	129.242	-18078.7
189	500	0.938476	130.122	-17609.5
190	500	0.954165	131.033	-17132.4
191	500	0.974114	131.982	-16645.4
192	500	0.990356	132.962	-16150.2
193	500	1.00687	133.976	-15646.8
194	500	1.02789	135.033	-15132.8
195	500	1.04505	136.125	-14610.3
196	500	1.06252	137.254	-14079
197	500	1.08482	138.431	-13536.6
198	500	1.10306	139.647	-12985.1
199	500	1.12168	140.906	-12424.2
200	500	1.1455	142.218	-11851.5
201	500	1.16505	143.575	-11269
202	500	1.19012	144.991	-10673.9
203	500	1.21073	146.457	-10068.5
204	500	1.23187	147.975	-9452.62

205	500	1.25908	149.56	-8823.07
206	500	1.28155	151.202	-8182.3
207	500	1.30469	152.905	-7529.96
208	500	1.33462	154.686	-6862.64
209	500	1.35946	156.534	-6182.91
210	500	1.39175	158.471	-5487.04
211	500	1.41865	160.484	-4777.71
212	500	1.44663	162.576	-4054.4
213	500	1.48328	164.776	-3312.76
214	500	1.5141	167.069	-2555.7
215	500	1.54643	169.46	-1782.49
216	500	1.58927	171.986	-987.854
217	500	1.62576	174.629	-174.972
218	500	1.66456	177.4	657.308
219	500	1.71688	180.348	1515.75
220	500	1.76241	183.454	2396.96
221	500	1.82501	186.784	3309.46
222	500	1.88079	190.322	4249.85
223	500	1.94314	194.098	5221.42
224	500	2.03352	198.233	6238.18
225	500	2.12007	202.728	7298.22
226	500	2.22621	207.684	8411.32
227	500	2.40892	213.486	9615.78
228	500	2.65209	220.52	10941.8

Data Set Standard Deviation = 98.5322
Numerator = 1.19724e+008
Denominator = 4.85993e+008
W Statistic = 0.246348 = 1.19724e+008 / 4.85993e+008

5% Critical value of 0.976 exceeds 0.246348
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.246348
Evidence of non-normality at 99% level of significance

APPENDIX F

Non-Parametric Upper Tolerance Limit Computations

Non-Parametric Tolerance Interval

Parameter: Barium, total

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 93.8596%
Background measurements (n) = 38
Maximum Background Concentration = 500
Minimum Coverage = 92.4%
Average Coverage = 97.4359%

Location	Date	Value	Significant
MW-17	12/16/1997	ND<500	FALSE
MW-17	1/14/1998	ND<500	FALSE
MW-17	2/13/1998	ND<500	FALSE
MW-17	3/6/1998	ND<500	FALSE
MW-17	10/15/1998	ND<500	FALSE
MW-17	3/25/1999	ND<500	FALSE
MW-17	9/23/1999	ND<500	FALSE
MW-17	3/29/2000	ND<500	FALSE
MW-17	9/14/2000	ND<500	FALSE
MW-17	3/12/2001	ND<500	FALSE
MW-17	10/13/2001	ND<500	FALSE
MW-17	3/8/2002	ND<500	FALSE
MW-17	9/19/2002	ND<500	FALSE
MW-17	4/15/2003	ND<500	FALSE
MW-17	10/16/2003	ND<500	FALSE
MW-17	3/25/2004	ND<500	FALSE
MW-17	10/18/2006	ND<500	FALSE
MW-17	4/9/2007	ND<500	FALSE
MW-17	9/24/2007	50.3	FALSE
MW-18	12/16/1997	ND<500	FALSE
MW-18	1/14/1998	ND<500	FALSE
MW-18	2/13/1998	ND<500	FALSE
MW-18	3/6/1998	ND<500	FALSE
MW-18	10/15/1998	ND<500	FALSE
MW-18	3/25/1999	ND<500	FALSE
MW-18	9/23/1999	ND<500	FALSE
MW-18	3/29/2000	ND<500	FALSE
MW-18	9/14/2000	ND<500	FALSE
MW-18	3/12/2001	ND<500	FALSE
MW-18	10/13/2001	ND<500	FALSE
MW-18	3/8/2002	ND<500	FALSE
MW-18	9/19/2002	ND<500	FALSE
MW-18	4/15/2003	ND<500	FALSE
MW-18	10/16/2003	ND<500	FALSE
MW-18	3/25/2004	ND<500	FALSE
MW-18	10/18/2006	ND<500	FALSE
MW-18	4/9/2007	ND<500	FALSE
MW-18	9/24/2007	29	FALSE
MW-19	12/16/1997	ND<500	FALSE
MW-19	1/14/1998	ND<500	FALSE
MW-19	2/13/1998	69	FALSE
MW-19	3/6/1998	ND<500	FALSE
MW-19	10/15/1998	ND<500	FALSE
MW-19	3/25/1999	ND<500	FALSE
MW-19	9/23/1999	ND<500	FALSE
MW-19	3/29/2000	ND<500	FALSE
MW-19	9/14/2000	ND<500	FALSE
MW-19	3/12/2001	ND<500	FALSE
MW-19	10/13/2001	ND<500	FALSE
MW-19	3/8/2002	ND<500	FALSE
MW-19	9/19/2002	ND<500	FALSE
MW-19	4/15/2003	ND<500	FALSE
MW-19	10/16/2003	ND<500	FALSE
MW-19	3/25/2004	ND<500	FALSE

MW-19	10/18/2006	ND<500	FALSE
MW-19	4/9/2007	ND<500	FALSE
MW-19	9/24/2007	17.2	FALSE
MW-20	12/16/1997	ND<500	FALSE
MW-20	1/14/1998	ND<500	FALSE
MW-20	2/13/1998	ND<500	FALSE
MW-20	3/6/1998	ND<500	FALSE
MW-20	10/15/1998	ND<500	FALSE
MW-20	3/25/1999	ND<500	FALSE
MW-20	9/23/1999	ND<500	FALSE
MW-20	3/29/2000	ND<500	FALSE
MW-20	9/14/2000	ND<500	FALSE
MW-20	3/12/2001	ND<500	FALSE
MW-20	10/13/2001	ND<500	FALSE
MW-20	3/8/2002	ND<500	FALSE
MW-20	9/19/2002	ND<500	FALSE
MW-20	4/15/2003	ND<500	FALSE
MW-20	10/16/2003	ND<500	FALSE
MW-20	3/25/2004	ND<500	FALSE
MW-20	10/18/2006	ND<500	FALSE
MW-20	4/9/2007	ND<500	FALSE
MW-20	9/24/2007	39.2	FALSE
MW-21	12/16/1997	ND<500	FALSE
MW-21	1/14/1998	ND<500	FALSE
MW-21	2/13/1998	ND<500	FALSE
MW-21	3/6/1998	ND<500	FALSE
MW-21	10/15/1998	ND<500	FALSE
MW-21	3/25/1999	ND<500	FALSE
MW-21	9/23/1999	ND<500	FALSE
MW-21	3/29/2000	ND<500	FALSE
MW-21	9/14/2000	ND<500	FALSE
MW-21	3/12/2001	ND<500	FALSE
MW-21	10/13/2001	ND<500	FALSE
MW-21	3/8/2002	ND<500	FALSE
MW-21	9/19/2002	ND<500	FALSE
MW-21	4/15/2003	ND<500	FALSE
MW-21	10/16/2003	ND<500	FALSE
MW-21	3/25/2004	ND<500	FALSE
MW-21	10/18/2006	ND<500	FALSE
MW-21	4/9/2007	ND<500	FALSE
MW-21	9/24/2007	30.7	FALSE
MW-22	12/16/1997	ND<500	FALSE
MW-22	1/14/1998	ND<500	FALSE
MW-22	2/13/1998	ND<500	FALSE
MW-22	3/6/1998	ND<500	FALSE
MW-22	10/15/1998	ND<500	FALSE
MW-22	3/25/1999	ND<500	FALSE
MW-22	9/23/1999	ND<500	FALSE
MW-22	3/29/2000	ND<500	FALSE
MW-22	9/14/2000	ND<500	FALSE
MW-22	3/12/2001	ND<500	FALSE
MW-22	10/13/2001	ND<500	FALSE
MW-22	3/8/2002	ND<500	FALSE
MW-22	9/19/2002	ND<500	FALSE
MW-22	4/15/2003	ND<500	FALSE
MW-22	10/16/2003	ND<500	FALSE
MW-22	3/25/2004	ND<500	FALSE
MW-22	10/18/2006	ND<500	FALSE
MW-22	4/9/2007	ND<500	FALSE
MW-22	9/24/2007	80.4	FALSE
MW-23	12/16/1997	ND<500	FALSE
MW-23	1/14/1998	ND<500	FALSE
MW-23	2/13/1998	ND<500	FALSE

MW-23	3/6/1998	ND<500	FALSE
MW-23	10/15/1998	ND<500	FALSE
MW-23	3/25/1999	ND<500	FALSE
MW-23	9/23/1999	ND<500	FALSE
MW-23	3/29/2000	ND<500	FALSE
MW-23	9/14/2000	ND<500	FALSE
MW-23	3/12/2001	ND<500	FALSE
MW-23	10/13/2001	ND<500	FALSE
MW-23	3/8/2002	ND<500	FALSE
MW-23	9/19/2002	ND<500	FALSE
MW-23	4/15/2003	ND<500	FALSE
MW-23	10/16/2003	ND<500	FALSE
MW-23	3/25/2004	ND<500	FALSE
MW-23	10/18/2006	ND<500	FALSE
MW-23	4/9/2007	ND<500	FALSE
MW-23	9/24/2007	60	FALSE
MW-24	12/16/1997	ND<500	FALSE
MW-24	1/14/1998	ND<500	FALSE
MW-24	2/13/1998	ND<500	FALSE
MW-24	3/6/1998	ND<500	FALSE
MW-24	10/15/1998	ND<500	FALSE
MW-24	3/25/1999	ND<500	FALSE
MW-24	9/23/1999	ND<500	FALSE
MW-24	3/29/2000	ND<500	FALSE
MW-24	9/14/2000	ND<500	FALSE
MW-24	3/12/2001	ND<500	FALSE
MW-24	10/13/2001	ND<500	FALSE
MW-24	3/8/2002	ND<500	FALSE
MW-24	9/19/2002	ND<500	FALSE
MW-24	4/15/2003	ND<500	FALSE
MW-24	10/16/2003	ND<500	FALSE
MW-24	3/25/2004	ND<500	FALSE
MW-24	10/18/2006	ND<500	FALSE
MW-24	4/9/2007	332	FALSE
MW-24	9/24/2007	382	FALSE
MW-25	12/16/1997	ND<500	FALSE
MW-25	1/14/1998	ND<500	FALSE
MW-25	2/13/1998	ND<500	FALSE
MW-25	3/6/1998	ND<500	FALSE
MW-25	10/15/1998	ND<500	FALSE
MW-25	3/25/1999	ND<500	FALSE
MW-25	9/23/1999	ND<500	FALSE
MW-25	3/29/2000	ND<500	FALSE
MW-25	9/14/2000	ND<500	FALSE
MW-25	3/12/2001	ND<500	FALSE
MW-25	10/13/2001	ND<500	FALSE
MW-25	3/8/2002	ND<500	FALSE
MW-25	9/19/2002	ND<500	FALSE
MW-25	4/15/2003	ND<500	FALSE
MW-25	10/16/2003	ND<500	FALSE
MW-25	3/25/2004	ND<500	FALSE
MW-25	10/18/2006	ND<500	FALSE
MW-25	4/9/2007	ND<500	FALSE
MW-25	9/24/2007	ND<500	FALSE
MW-25d	12/16/1997	ND<500	FALSE
MW-25d	1/14/1998	ND<500	FALSE
MW-25d	2/13/1998	ND<500	FALSE
MW-25d	3/6/1998	ND<500	FALSE
MW-25d	10/15/1998	ND<500	FALSE
MW-25d	3/25/1999	ND<500	FALSE
MW-25d	9/23/1999	ND<500	FALSE
MW-25d	3/29/2000	ND<500	FALSE
MW-25d	9/14/2000	ND<500	FALSE
MW-25d	3/12/2001	ND<500	FALSE
MW-25d	10/13/2001	ND<500	FALSE

MW-25d	3/8/2002	ND<500	FALSE
MW-25d	9/19/2002	ND<500	FALSE
MW-25d	4/15/2003	ND<500	FALSE
MW-25d	10/16/2003	ND<500	FALSE
MW-25d	3/25/2004	ND<500	FALSE
MW-25d	10/18/2006	ND<500	FALSE
MW-25d	4/9/2007	ND<500	FALSE
MW-25d	9/24/2007	13	FALSE

APPENDIX G

NCDENR Environmental Monitoring Reporting Form

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

NC DENR
Division of Waste Management Solid Waste

Environmental Monitoring Reporting Form

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

Instructions:

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

Solid Waste Monitoring Data Submittal Information

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

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

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

E-mail: cware@smeinc.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
White Street Landfill - Phase III	North end of White Street, Greensboro, North Carolina	41-12	.1600	September 24-28, 2007

Environmental Status: (Check all that apply)

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

Type of data submitted: (Check all that apply)

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

Notification attached?

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

Certification

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

Edmund Q. B. Henriques — Environmental Department Manager — (336) 288-7180

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

Edmund Q. B. Henriques — 11-28-07

Signature — Date

Affix NC Licensed/ Professional Geologist/Engineer Seal here:

NORTH CAROLINA LICENSED SEAL 1216 GEOLOGIST EDMUND Q.B. HENRIQUES

Revised 01/2007