WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
PHASE II APPENDIX I DETECTION MONITORING
MAY 2011 SAMPLING
S&ME Project No. 1584-98-081

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1. EXECUTIVE SUMMARY

Twelve monitoring wells and four stream locations at the White Street Landfill were sampled on May 9, 10, and 12, 2011. Twelve wells (II-1, II-2, II-3, II-4, II-5, II-6, II-7, II-7B, II-8, II-12, MW-13 and MW-14) comprise the groundwater monitoring system for the Phase II solid waste disposal area of the landfill. Monitoring well MW-13 serves as a background well for both the Phase I and the Phase II areas. Monitor well MW-14 serves as a background well for Phase II. All sampling was conducted according to North Carolina Solid Waste Management Guidelines. Samples were analyzed by a North Carolina certified laboratory. Samples collected from the Phase II area were submitted for analysis using the Appendix I assessment monitoring list. Samples from surface water locations SW-2, SW-3, SW-4 and SW-5, were analyzed for the Appendix I list constituents.

1.1 Groundwater Quality

Results from the Phase II monitoring well samples indicated compliance wells II-2 and II-3 contained one or more of the following Appendix I volatile organic constituents at concentrations exceeding the corresponding 15A NCAC 2L groundwater quality standard for Class GA groundwater; 1,1-dichloroethane, tetrachloroethene, trichloroethene, and vinyl chloride. No other Appendix I volatile organic compounds were detected with concentrations greater than the NCAC 2L groundwater quality standards, on the dates the samples were collected.

Results from the Phase II monitoring well samples report no Appendix I inorganic constituents in groundwater samples at concentrations that exceed the corresponding 15A NCAC 2L groundwater quality standard, with the exception of selenium in monitoring wells II-1 and II-8. Time vs concentration plots for selenium in wells II-1 and II-8 suggest that the reported concentrations are outliers relative to the historic data set, which have need of confirmation.

Currently, there are no corresponding 15A NCAC 2L groundwater quality standards for antimony, beryllium, cobalt and vanadium; however, North Carolina has published an Interim Maximum Allowable Concentrations (IMAC) for each constituent. Each of the cobalt and vanadium concentrations reported during this event are greater than the corresponding IMAC. Similarly, the Solid Waste Section has published Groundwater Protection Standards (GPS) for antimony, beryllium, cobalt, and vanadium. The GPS for antimony, cobalt, and vanadium are less than the corresponding IMAC. Only the vanadium concentrations report for compliance wells II-2, II-4, II-5, II-7B, and background well MW-13 exceed the corresponding GPS. No other Appendix I inorganic constituents were detected at concentrations exceeding the corresponding 15A NCAC 2L Standards, IMAC, or GPS.

During 2007, S&ME completed an Alternate Source Demonstration (ASD) for metals. The results of the ASD successfully demonstrated that the concentrations of several naturally-occurring metals including cobalt and vanadium within the in-situ soil at the Facility were sufficient to influence the concentrations of these metals in groundwater samples collected from the downgradient groundwater monitoring wells, and the exceedance of cobalt and vanadium above their respective 15A NCAC 2L Standards or

corresponding IMAC is not due to a release by the Facility, but instead may be the result of the natural occurrence of these metals in the native, residual soil. Based on the ASD findings the concentrations of cobalt and vanadium for this monitoring event are thought to reflect naturally occurring conditions, and thus should not be considered an exceedance of the 15A NCAC 2L standards or corresponding IMAC.

The laboratory analytical results were analyzed for evidence of statistically significant increases (SSIs) over background values. In order to determine if any individual parameter concentration detected during this monitoring event represents a statistically significant increase over the historic background concentrations, once the respective Upper Limit was obtained, the compliance data were compared via an Inter-Well Comparison to the Statistical Upper Limit to determine if an SSI may have occurred.

The statistical analyses suggest that one inorganic parameter (cobalt) was detected during this monitoring event at one or more sampling locations at reported concentrations that exceed the corresponding Statistical Upper Limit. The Inter-Well comparisons of the compliance data to the statistical Upper Limits shows that the SSI's for cobalt occurred in monitoring wells II-1, and II-3. The cobalt concentrations reported during this event are greater than the corresponding IMAC. The time vs. concentration plots for cobalt in wells II-1 and II-3 shows fluctuations in the concentrations of cobalt in these wells with no discernable trend evident.

The statistical analyses suggest that two volatile organic parameters (1,1-dichloroethane, and cis-1,2-dichloroethene) were detected in concentrations that exceed their corresponding statistically computed Upper Limit. The Inter-Well comparisons of the compliance results to the statistical Upper Limits suggest compliance wells II-2 and II-3 contain one or more of the two volatile organic parameters detected at concentrations that suggest a statistically significant increase over the historic background concentrations. The time vs. concentration plots for these compounds suggest an apparent increasing trend in the concentrations of 1,1-dichloroethane in monitoring wells II-2 and II-3 as well as cis-1,2-dichloroethene in monitoring well II-2 over time.

A Corrective Action Plan has been prepared to address the 15A NCAC 2L groundwater quality standard exceedances reported in the current as well as prior water quality monitoring reports, with the exception of selenium. The reported concentrations of selenium at wells II-1 and II-8 exceed of the corresponding NCAC 2L standard. The reported concentrations are anomalous relative to the historic data set; therefore, groundwater analytical data from the Fall 2011 monitoring event will be examined to confirm the reported concentrations, and determine the need for additional assessment, if any.

1.2 Surface Water Quality

Results from the Phase II surface water sampling indicated no Appendix I constituents were detected at concentrations above their corresponding NCAC 2B standards. Given the constituents and concentrations detected at upstream sample locations SW-2 and SW-3, Phase II is not thought to be the source of the Appendix I constituents detected at the down-stream sample locations during this monitoring event.

2. INTRODUCTION

White Street Landfill is a Solid Waste Management Facility (SWMF) located at the north end of White Street in northeastern Greensboro. S&ME, Inc. (S&ME) was contracted by the City of Greensboro to complete this Phase II Appendix I assessment/detection monitoring event. Phase II of the landfill is covered by Solid Waste Permit #41-03. One upgradient monitor well (MW-14), nine downgradient monitoring wells located along the perimeter of the Phase II disposal area, one bedrock monitor well (II-7B), and one background monitoring well (MW-13) located approximately 4,300 feet southwest of the Phase II area were sampled. Four surface water samples were collected from North Buffalo Creek and one of its tributaries in the vicinity of the White Street facility.

All Phase II monitoring well samples were analyzed for the Appendix I list of constituents. The surface water samples SW-2 through SW-5 were analyzed for the Appendix I list constituents. This report discusses the field procedures, summarizes the field measurements and analytical results, and presents the statistical evaluation results for the May 2011 water quality monitoring event.

3. SCOPE OF WORK

To complete the scope of work, S&ME completed the following tasks:

- Sampled 12 monitoring wells and four surface water locations at the White Street landfill SWMF.
- Obtained field values for pH, temperature, dissolved oxygen (DO), turbidity, oxidation-reduction potential (ORP), and conductivity at each sample location.
- 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 II area monitoring well locations.
- Performed statistical evaluations on Appendix I constituents.
- Prepared and submitted reports to the City of Greensboro and the State.

4. METHODS EMPLOYED

4.1 Monitoring Well Sampling

Groundwater monitoring well sampling took place on May 9, 10, and 12, 2011. The monitoring well locations are shown on **Figure 1**. A representative from S&ME opened each well and measured the static water level from the top edge of the PVC casing in wells. An electronic water level indicator was used to obtain depth to water measurements. These data are summarized in **Table 1**. The total well depth sounding data reported for the sampling events completed during September 1997 and May 1998 were used to determine the volume of water in wells II-1, II-2, II-3, II-4, II-5, II-6, II-7, II-8, II-12, MW-13 and MW-14, where dedicated MicroPurgeTM pumps had been previously installed.

In accordance with the facility's approved Water Quality Monitoring Plan, wells II-1, II-2, II-3, II-4, II-5, II-6, II-7, II-7B, II-8, II-12, MW-13 and MW-14 were purged using the

dedicated Micro Purge pumps. At each well, the purge rate and the drawdown of the water table were monitored as an indicator of how much stress the purging placed on the aquifer. The purge rates were calculated by recording the time required to fill a graduated cylinder. The purging flow rate was approximately 100 milliliters/minute (ml/min.). During purging, the depth to water was periodically monitored and recorded on the groundwater sampling field data sheets. The field data sheets are included in **Appendix I**. For the Phase II sampling event, the measured drawdown in the sampled wells is generally less than 2 feet.

It is our opinion that the observed drawdowns were generally minor during purging; therefore, the stresses placed on the aquifer should have been minor. The observed drawdown data also suggests that the purging rates should have been low enough such that recharge water should not have been overly agitated, reducing the potential for colloids to be drawn into the well bore.

The purge water from each of these wells was monitored for pH, temperature, DO, turbidity, ORP and conductivity. A sample was collected when the changes in those readings fluctuated no more than 10 percent. The field data collected during sampling was recorded on the groundwater sampling field data sheets, which are included in Appendix A. **Table 2** summarizes the results of the field data.

Based on the low flow sampling methods utilized, pumping rates was not the suspect cause for the observed high turbidity at well II-4. Well construction issues are a possible cause for the observed high turbidity and associated non-representative sediment content in the collected groundwater sample.

Groundwater samples were collected from the dedicated Teflon tubing at each of the wells with dedicated well sampling pumps. Immediately upon collection, each sample was placed in laboratory supplied containers, packed on ice, and placed under chain-of custody. The sampling technician wore latex gloves that were changed between wells to minimize the possibility of cross contamination. After collection, the groundwater samples were packed on ice and placed under chain-of custody.

Phase II monitor well samples (II-1, II-2, II-3, II-4, II-5, II-6, II-7, II-7B, II-8, II-12, MW-13 and MW-14) were analyzed for Appendix I constituents. Laboratory analyses were conducted by Environmental Conservation Laboratories, a North Carolina certified laboratory.

4.2 Statistical Analysis of Data

4.2.1 Software

All data were analyzed using *ChemStat 6.1* software package. The *ChemPoint 4.2* database management system was used to input and create the Data files based on the recent and historic laboratory data. The *ChemPoint* database is then converted to ASCII tab delimited files 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, Sections 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 (May 2011) 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:
    - mean
    - standard deviation
    - variance
    - percentage non-detects
- Time versus concentration graphs were prepared for each parameter detected at quantified values and used to evaluate data trends and to identify potential data outliers.

- Normality/Data Distribution Tests were run and used to determine the statistical distribution of the database for each quantified parameter. The data distribution test results were utilized to determine if a data set exhibits a normal, log-normal or non-normal distribution. Due to the large number of non-detects for many of the wells and the lack of normality in the data sets, non-parametric statistical methods were deemed appropriate for the evaluation of the current compliance data set.

- A statistical Upper Limit was calculated for each of the detected parameter data sets utilizing Non-Parametric Upper Tolerance Limits. Then the compliance data were compared via an Inter-Well comparison to the statistical Upper Limit to determine if an SSI had occurred. For all statistical analyses, the non-detect values were converted to the respective Detection Limit for data analysis. The tests were run at significance levels of both 95% and 99%.

- Data showing statistically significant increases across the site are examined to determine the validity of results.

4.3 Stream Sampling

Surface water sampling took place on May 12, 2011. Three stream samples (SW-3, SW-4 and SW-5) were collected from North Buffalo Creek, which flows along the northwestern side of the White Street Landfill. One surface water sample (SW-2) was collected from a tributary of North Buffalo Creek. The locations of the stream samples are shown in **Figure 2**.

Sample SW-2 was collected from a southern tributary of North Buffalo Creek just before it joins the main creek west of the landfill entrance. SW-3 was collected downstream of the North Buffalo Wastewater Treatment Plant outfall and upstream of the landfill. SW-4 was collected downstream of the landfill at a USGS gauging station located on North

Buffalo Creek about three-quarters of a mile north of the landfill. SW-5 was collected from North Buffalo Creek immediately downstream of the Phase II landfill disposal area.

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. Stream samples SW-2, SW-3, SW-4, and SW-5 were analyzed for Appendix I inorganic and volatile organic constituents. The samples were submitted to by Environmental Conservation Laboratories, a North Carolina certified laboratory.

5. RESULTS

5.1 Groundwater Analytical Results

5.1.1 Phase II Appendix I Detection Monitoring

Wells II-1, II-2, II-3, II-4, II-5, II-6, II-7, II-7B, II-8, II-12, MW-13 and MW-14 comprise the monitoring system for the Phase II area. The results of the laboratory analyses for Appendix I constituents in the Phase II area groundwater monitoring wells are summarized in **Table 3** and **Table 4,** and the complete laboratory reports are included in **Appendix II**. The following provides a brief summary of the analytical results.

- Vinyl chloride was detected at monitoring well II-2 at a concentration of 5.1 μg/L. The detected concentration exceed the 0.03 μg/L NCAC 2L standard.
- Tetrachloroethene was detected at monitoring well II-2 at a concentration of 2.9 μg/L, which exceeds the 0.7 μg/L 15A NCAC 2L groundwater quality standard.
- Trichloroethene was detected at monitoring well II-2 at a concentration of 3.3 μg/L, which exceeds the corresponding 15A NCAC 2L groundwater quality standard of 3 μg/L.
- 1,1-dichloroethane was detected at monitoring wells II-2 and II-3 at concentrations that exceeds the 6 μg/L NCAC 2L groundwater quality standard.
- 1,2-dichlorobenzene, 1,4-dichlorobenzene, acetone, benzene, chlorobenzene, cis-1,2-dichloroethene, and trichlorofluoromethane were reported in one or more monitoring well samples at concentrations below the corresponding NCAC 2L groundwater quality standards.
- Selenium was detected in monitoring wells II-1 and II-8 at concentrations greater than the corresponding NCAC 2L groundwater quality standard.
- Vanadium was detected at several monitoring wells at quantified or estimated concentrations greater than the Groundwater Protection Standard (GPS) or Interim Maximum Allowable Concentration (IMAC) 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 at sufficient concentrations within the soil to influence groundwater quality. Therefore the exceedance of vanadium above the GPS or IMAC should not reflect impacts stemming from the Facility.
- Arsenic, barium, chromium, copper, nickel, silver, and zinc were reported in one or more monitor well locations; however, the reported concentrations are less than the corresponding NCAC 2L standards.

- Antimony, beryllium, and cobalt were reported in one or more monitor well locations. Although there are no corresponding NCAC 2L standards, the reported concentrations are less than the corresponding GPS. The reported cobalt concentrations exceed the corresponding IMAC.

5.1.2 Additional Groundwater Impact Delineation

Monitoring wells II-9, II-10 and II-11 installed to further delineate groundwater contaminants for assessment of corrective measures were not sampled during the May 2011 monitoring event. The well locations are shown on Figure 1.

5.2 Statistical Results

5.2.1 Historical

The monitoring well system for Phase II of the White Street Landfill was upgraded in the winter of 1995 with the addition of four new monitoring wells (II-6, II-7, II-8 and MW-14). Monitoring well II-7B was installed in December 2000, while monitoring wells II-9, II-10, II-11 and II-12 were added in March 2005, as part of a nature and extent study.

5.2.1.1 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 descriptive statistics report is included in **Appendix III**.

5.2.1.2 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 along the horizontal axis. These graphs are used to visually examine changes in concentration over time for a parameter at a given well. An evaluation of the time vs. concentration plots suggests:

- The time series plot for concentrations of vinyl chloride in well II-2 does not show a clear trend in the monitoring data. Observed changes appear to be only be the result of the promulgation of the new North Carolina SWSL levels which are lower than the former Practical Quantitation Limits (PQLs) which the SWSLs replaced.

- The time series plots for concentrations of trichlorofluoromethane in well II-2 show a decreasing trend, following the March 1999 monitoring event.

- The time series plots for concentrations 1,1-dichloroethane in wells II-2 and II-3 suggest an increasing trend in the occurrence of this constituent in these wells.

- The time series plot of the concentrations of cis-1,2-dichloroethene in well II-2 suggests an increasing trend in the reported concentration of this constituent since the September 2004 sampling event.

- A time series plot of the concentrations of tetrachloroethene in monitoring well II-2 shows this parameter has consistently been non-detect in well II-2 prior to the detection reported during the October 2006 groundwater monitoring event which appears to coincide with the promulgation of the new North Carolina SWSL levels which are lower than the former Practical Quantitation Limits (PQLs) which the SWSLs replaced. Since it was first detected in October 2006, the reported concentrations of tetrachloroethene in monitoring well II-2 are not showing a discernable trend.

- The time series plots for the concentrations of trichloroethene in well II-2 also suggests that the first detection of this constituent in well II-2 appears to coincide with the promulgation of the new North Carolina SWSL levels in 2006 which are lower than the former Practical Quantitation Limits (PQLs) which the SWSLs replaced. Since the April 2006 monitoring event, there is no clear trend in the monitoring data.

- The time series plots for concentrations of barium in wells II-1, II-3, II-4, II-6, II-8, and II-12 show inconsistent results with no discernable trend. Background well MW-13 exhibits similar fluctuations in detected concentrations as those observed at the downgradient compliance wells.

- Time series plots of the concentrations of cobalt in wells II-1 and II-3 suggests fluctuating concentrations over time, with no obvious consistent trends over time recognized.

- The time series plots for concentrations of copper in wells II-1 and II-4 do not show a clear trend in the monitoring data. Observed changes appear to be only be the result of the promulgation of the new North Carolina SWSL levels which are lower than the former Practical Quantitation Limits (PQLs) which the SWSLs replaced.

- The time series plot for concentrations of selenium in wells II-1 and II-8 do not show a clear trend in the monitoring data. Observed changes appear to be only be the result of the promulgation of the new North Carolina SWSL levels which are lower than the former Practical Quantitation Limits (PQLs) which the SWSLs replaced. The concentrations reported during this event represent an anomalous increase relative to the historical data set.

- The time series plots for concentrations of vanadium in wells II-4, II-5, and II-7B, show inconsistent results with no discernable trend. Background well MW-13 exhibits similar fluctuations in detected concentrations as those observed at the downgradient compliance wells.

- The time series plots for concentrations of zinc in well II-4 show inconsistent results with no discernable trend.

Analytical data from future monitoring events will be used to re-evaluate the trends interpreted from the time series plots. Time series plots are included in **Appendix IV** for all constituents detected at or above their respective SWSL during this monitoring event.

5.2.1.3 Non-Parametric Tolerance Limits Test

In order to analyze the laboratory analytical results for evidence of statistically significant increases (SSIs) over background values, the data distribution of all of the quantified monitored constituents was first analyzed. Due to the large size of the pooled historical results database, the Shapiro-Francia Test of Normality was utilized. This statistical test of data distribution can effectively determine if large data sets are parametrically or non-parametrically distributed.

For all of the analyzed data sets, the data distribution tests indicated a non-parametric distribution likely due to a relatively high percentage of non-detects in the analyzed database even at the 95% Confidence Level. As a result, Non-Parametric Upper Limits Computations were employed in order to calculate the appropriate Statistical Upper Limit for each of the quantified monitored parameters. Non-parametric Tolerance Limits were selected for use in calculation of the statistical Upper Limits. In order to determine if any individual parameter concentration detected during this monitoring event represents a statistically significant increase over the historic background concentrations, once the respective Upper Limit was obtained, the compliance data were compared via an Inter-Well Comparison to the Statistical Upper Limit to determine if an SSI may have occurred.

Tables 4 and 5 provide a summary of the statistical testing results. As indicated in Table 5, the statistical analyses suggest that one inorganic parameter (cobalt) was detected during this monitoring event at a concentration that exceeds the corresponding Statistical Upper Limit. The Inter-Well comparisons of the compliance data to the statistical Upper Limits shows that the SSI for cobalt occurred in monitoring well II-3. Currently, there is no established NCAC 2L standards for cobalt. However, North Carolina has published an Interim Maximum Allowable Concentrations (IMAC) 15A NCAC 2L.0202 for cobalt set at 1 μg/L. Each of the cobalt concentrations reported during this event are greater than the corresponding IMAC.

As indicated in Table 4, the statistical analyses suggest that two volatile organic parameters (1,1-dichloroethane, and cis-1,2-dichloroethene) were detected in concentrations that exceed their corresponding statistically computed Upper Limit. The Inter-Well comparisons of the compliance results to the statistical Upper Limits suggest compliance wells II-2 and II-3 contain one or more of the two volatile organic parameters detected at concentrations that suggest a statistically significant increase over the historic background concentrations. The reported concentration of cis-1,2-dichloroethene in monitoring wells II-2 and II-3 which represent SSIs during this monitoring event were detected at a concentrations less than the corresponding NCAC 2L groundwater quality standard for Class GA groundwater for this constituent. The reported concentrations of 1,1-dichloroethane (monitoring wells II-2 and II-3) were all reported at levels which exceed the respective NCAC 2L groundwater quality standard for this constituent. The non-parametric Tolerance Limit test reports for Appendix I constituents are included in **Appendix V**.

5.3 Hydraulic Conductivity

In-situ hydraulic conductivity tests were performed by BPA Environmental and Associates Inc. (BPA) on wells II-1, II-2, II-3, II-4, II-5 and MW-13 on February 2-5, 1996. The data from these tests yielded hydraulic conductivity values ranging from 0.042 feet/day in II-5 to 0.380 feet/day in II-3. A complete discussion of the test methods and calculations was presented in BPA's February 1996 report "In-Situ Hydraulic Conductivity Testing, White Street Landfill, Greensboro, North Carolina." In situ hydraulic conductivity tests were performed by HDR Engineering, Inc. on monitoring wells II-6, II-7, II-8 and MW-14 in the fall of 1995. The hydraulic conductivity's determined by HDR ranged from 0.221 feet/day in II-6 to 2.353 feet/day in II-8. These data are summarized on **Table 7** and were used to calculate groundwater flow velocities across the site.

5.4 Groundwater Flow Direction and Rate

During the May 2011 sampling event, the static water depths ranged from 6.91 feet to 27.13 feet below the top of well casing on these dates. Groundwater and well casing elevation data are presented in Table 1. A groundwater contour map was constructed using the data collected during May 2011 is presented as **Figure 3**. The groundwater gradient at each well was calculated assuming a constant groundwater gradient along the flow line between groundwater elevation contours adjacent to each well. Groundwater flow lines were drawn through each well based upon the groundwater elevation data collected during this monitoring event. The groundwater elevation data collected during this monitoring event indicates that the groundwater beneath Phase II generally flows toward the northwest, toward Buffalo Creek. This is, in general, consistent with the results from previous monitoring events.

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 0.006 feet/day to 0.247 feet/day and are summarized in **Table 7**.

5.5 Surface Water

The results of the laboratory analyses for Appendix I volatile organic constituents in the surface water samples are summarized in **Tables 8** and **9**. The complete laboratory reports are included in Appendix B.

- Volatile organic compounds acetone and chloroform were detected at estimated ("J" flagged) concentrations from the surface water samples collected at SW-2 and SW-3. These constituents do not have a corresponding NCAC 2B standard. Both SW-2 and SW-3 are upstream of the facility.
- Volatile organic compound toluene was detected at the surface water sample collected from SW-2. The concentration did not exceed the corresponding NCAC 2B standard. Surface water sample SW-2 is upstream of Phase II; therefore, it is a background sample location.
- Inorganic constituent's barium, chromium, copper, lead, nickel, selenium, and zinc were reported at estimated "J" flagged values at one or more surface water sample locations; however, at concentrations below their corresponding NCAC 2B standard.
- Inorganic constituent's arsenic, antimony, and vanadium were reported at estimated "J" flagged values at one or more sampled surface water sample locations. Currently, there are no corresponding NCAC 2B surface water quality standards for these constituents.

5.6 Quality Assurance

A duplicate sample was collected from monitoring well II-7 and was submitted for analysis as "Duplicate II." This sample was analyzed for the Appendix I constituents. No target Appendix I volatile organic compounds were detected in either the duplicate sample or the companion sample labeled "II-7;" therefore, reasonable statistical correlation is suggested. Several target Appendix I inorganic constituents were detected in the both the duplicate sample and sample "II-7" at similar concentrations; therefore, reasonable statistical precision is suggested.

The majority of monitoring wells in Phase II were sampled using dedicated micro-purge pumps; therefore, no equipment rinse samples were collected for analyses. 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. Arsenic was estimated at a concentration of 2.95 μg/L in the trip blank. 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 C.

6. REFERENCES

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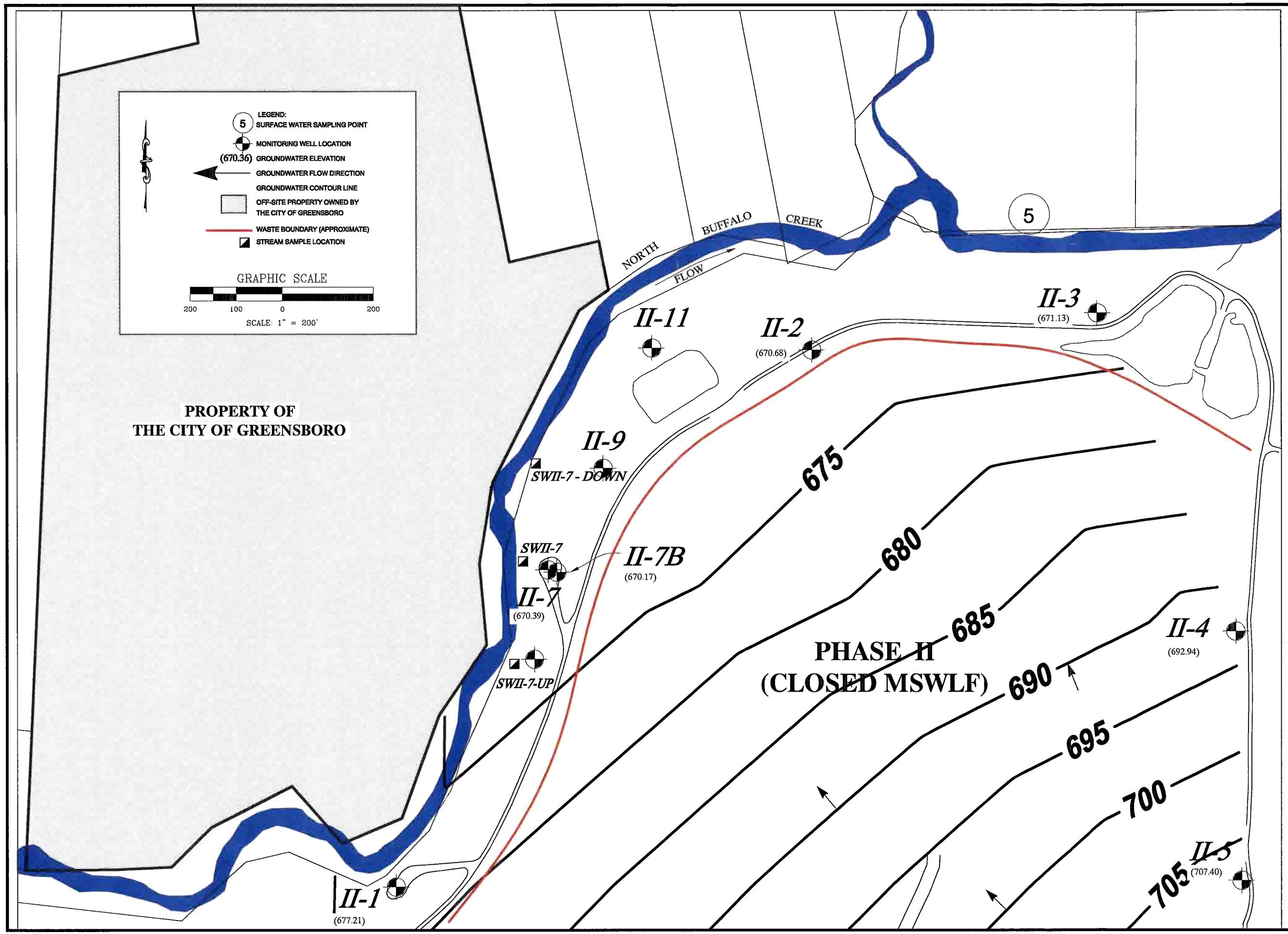

DETAILED SITE MAP
PHASE II
WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA

SCALE: AS SHOWN	DRAWN BY: DSB/RDM	CHECKED BY: LSE	
JOB NO. 1584-98-081B	DATE: JUNE 2011	FIGURE NO. 1	

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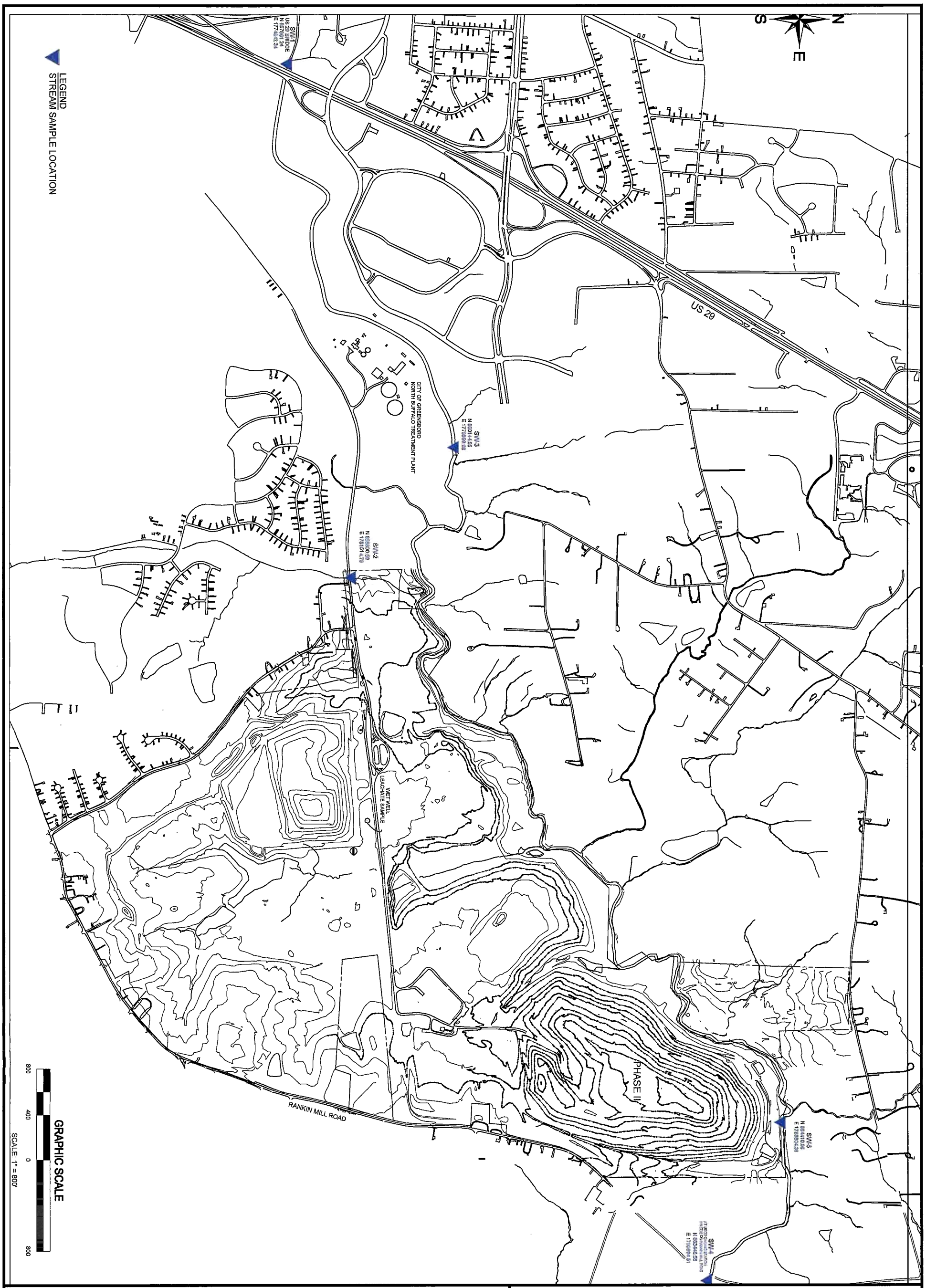
ENVIRONMENTAL SERVICES
ENGINEERING TESTING



S&ME
ENVIRONMENTAL SERVICES
ENGINEERING · TESTING

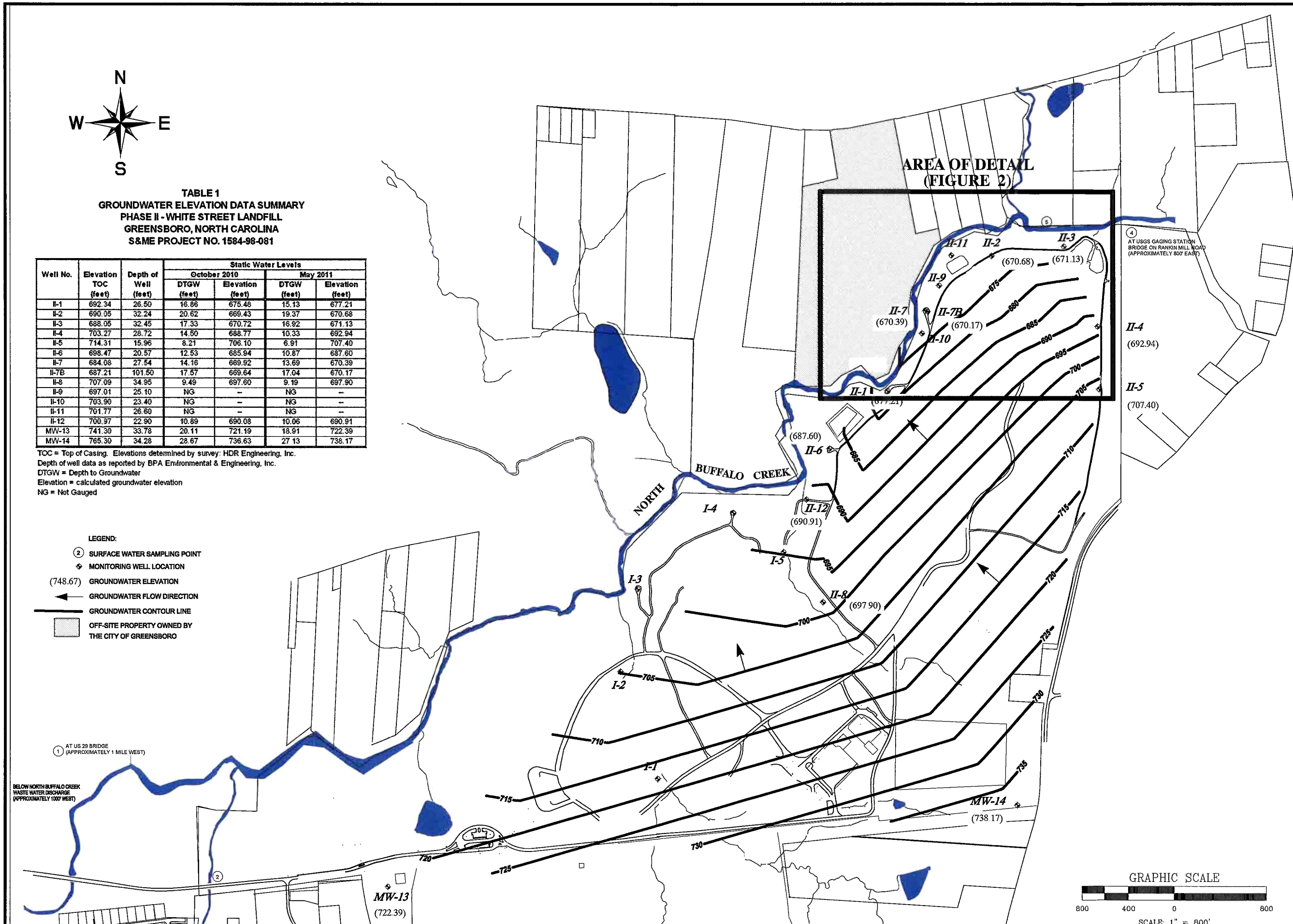
PHASE II
SURFACE WATER SAMPLING LOCATIONS
WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA

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

TABLE 1
GROUNDWATER ELEVATION DATA SUMMARY
PHASE II - 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 2010		May 2011	
			DTGW (feet)	Elevation (feet)	DTGW (feet)	Elevation (feet)
II-1	692.34	26.50	16.86	675.48	15.13	677.21
II-2	690.05	32.24	20.62	669.43	19.37	670.68
II-3	688.05	32.45	17.33	670.72	16.92	671.13
II-4	703.27	28.72	14.50	688.77	10.33	692.94
II-5	714.31	15.96	8.21	706.10	6.91	707.40
II-6	698.47	20.57	12.53	685.94	10.87	687.60
II-7	684.08	27.54	14.16	669.92	13.69	670.39
II-7B	687.21	101.50	17.57	669.64	17.04	670.17
II-8	707.09	34.95	9.49	697.60	9.19	697.90
II-9	697.01	25.10	NG	--	NG	--
II-10	703.90	23.40	NG	--	NG	--
II-11	701.77	26.60	NG	--	NG	--
II-12	700.97	22.90	10.89	690.08	10.06	690.91
MW-13	741.30	33.78	20.11	721.19	18.91	722.39
MW-14	765.30	34.28	28.67	736.63	27 13	738.17

TOC = Top of Casing. Elevations determined by survey: HDR Engineering, Inc.
Depth of well data as reported by BPA Environmental & Engineering, Inc.
DTGW = Depth to Groundwater
Elevation = calculated groundwater elevation
NG = Not Gauged



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

CHECKED BY:	LSE
FIGURE NO.	3
DRAWN BY:	DSB/RDM
DATE:	JUNE 2011
SCALE:	AS SHOWN
JOB NO.	1584-98-081B

S&ME
ENVIRONMENTAL SERVICES
ENGINEERING TESTING

TABLE 1
GROUNDWATER ELEVATION DATA SUMMARY
PHASE II - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Well No.	Type	Elevation TOC (feet)	Depth of Well (feet)	Static Water Levels			
				October 2010		May 2011	
				DTGW (feet)	Elevation (feet)	DTGW (feet)	Elevation (feet)
II-1	Compliance	692.34	26.50	16.86	675.48	15.13	677.21
II-2	Compliance	690.05	32.24	20.62	669.43	19.37	670.68
II-3	Compliance	688.05	32.45	17.33	670.72	16.92	671.13
II-4	Compliance	703.27	28.72	14.50	688.77	10.33	692.94
II-5	Compliance	714.31	15.96	8.21	706.10	6.91	707.40
II-6	Compliance	698.47	20.57	12.53	685.94	10.87	687.60
II-7	Compliance	684.08	27.54	14.16	669.92	13.69	670.39
II-7B	NES	687.21	101.50	17.57	669.64	17.04	670.17
II-8	Compliance	707.09	34.95	9.49	697.60	9.19	697.90
II-9	NES	697.01	25.10	NG	--	NG	--
II-10	NES	703.90	23.40	NG	--	NG	--
II-11	NES	701.77	26.60	NG	--	NG	--
II-12	Compliance	700.97	22.90	10.89	690.08	10.06	690.91
MW-13	Compliance	741.30	33.78	20.11	721.19	18.91	722.39
MW-14	Compliance	765.30	34.28	28.67	736.63	27.13	738.17

TOC = Top of Casing. Elevations determined by survey· HDR Engineering, Inc.
Depth of well data as reported by BPA Environmental & Engineering, Inc.
DTGW = Depth to Groundwater
Elevation = calculated groundwater elevation
NG = Not Gauged

TABLE 2
GROUNDWATER ANALYTICAL RESULTS SUMMARY - MAY 2011
DETECTED VOLATILE ORGANIC COMPOUNDS
PHASE II - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

	Sample Locations													NC SWSL	NCAC 2L
	Compliance Wells											Background			
Compound	**II-1** (ug/L)	**II-2** (ug/L)	**II-3** (ug/L)	**II-4** (ug/L)	**II-5** (ug/L)	**II-6** (ug/L)	**II-7** (ug/L)	**II-7B** (ug/L)	**II-8** (ug/L)	**II-12** (ug/L)	**DUP II** (ug/L)	**MW-13** (ug/L)	**MW-14** (ug/L)	(ug/L)	**Std.** (ug/L)
1,1-Dichloroethane	**1.1 J**	**16**	**14**	**2.1 J**	ND	ND	ND	ND	**0.79 J**	ND	ND	ND	ND	5	6
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5	20
1,4-Dichlorobenzene	**4.0**	**0.87 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	6
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	**16 J**	ND	ND	ND	100	6,000
Benzene	**0.78 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	1
Chlorobenzene	**1.2 J**	**0.78 J**	ND	ND	ND	ND	ND	ND	**2.3 J**	ND	ND	ND	ND	3	50
cis 1,2-dichloroethene	**0.88 J**	**21**	**1.7 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5	70
Tetrachloroethene	ND	**2.9**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	0.7
Trichloroethene	ND	**3.3**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	3
Trichlorofluoromethane	ND	**1.2**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	2,000
Vinyl Chloride	ND	**5.1**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	0.03

ND = compound not detected
J = Parameters are estimated values between the detection limit and the NC SWSL
ns = no corresponding NCAC 2L groundwater quality standard
NC SWSL= North Carolina Solid Waste Section Limit
NCAC 2L std. = 15A North Carolina Administrative Code 2L 0200, Groundwater Quality Standards for Class GA groundwater
NC GPS = North Carolina Groundwater Protection Standards. If a NCAC 2L is not established the GPS is
Quantities highlighted in yellow were detected above the NC SWSL
Quantities highlighted in orange were detected above the 2L standards

TABLE 3
GROUNDWATER ANALYTICAL RESULTS SUMMARY - MAY 2011
DETECTED INORGANIC CONSTITUENTS
PHASE II - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

	Sample Locations													NC SWSL	NCAC 2L	NC GPS
	Compliance Wells											Background				
Compound	II-1 (ug/L)	II-2 (ug/L)	II-3 (ug/L)	II-4 (ug/L)	II-5 (ug/L)	II-6 (ug/L)	II-7 (ug/L)	II-7B (ug/L)	II-8 (ug/L)	II-12 (ug/L)	DUP II (ug/L)	MW-13 (ug/L)	MW-14 (ug/L)	(ug/L)	Std. (ug/L)	(ug/L)
Antimony	**0.365 J**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6	ns	1.4
Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**3.11 JB**	ND	**3.08 JB**	10	10	
Barium	**415**	**53.5 J**	**207**	**389**	**91.4 J**	**104**	**13.1 J**	**10.6 J**	**105**	**397**	**13.4 J**	**108**	**12.3 J**	100	700	
Beryllium	ND	ND	ND	**0.143 J**	ND	ND	ND	ND	ND	ND	ND	ND	**0.100 J**	1	NS	4
Chromium	**4.93 J**	ND	**1.87 J**	**1.67 J**	ND	ND	**1.04 J**	ND	**1.42 J**	**1.17 J**	**1.68 J**	ND	**4.26 J**	10	10	
Cobalt	**22.4**	ND	**21.2**	**9.26 J**	**5.86 J**	**4.91 J**	ND	ND	ND	**8.16 J**	ND	ND	ND	10	ns	70
Copper	**17.3**	ND	**1.79 J**	**20.8**	**2.89 J**	**2.46 J**	ND	**1.81 J**	ND	ND	ND	ND	ND	10	1000	
Nickel	**20.2 J**	ND	**10.9 J**	**12.3 J**	**3.66 J**	**9.44 J**	ND	ND	**17.7 J**	**11.2 J**	ND	ND	ND	50	100	
Selenium	**29.9**	**6.46 J**	**6.00 J**	**4.65 J**	**1.91 J**	**4.76 J**	**1.08 J**	**1.10 J**	**24.7**	**3.38 J**	**1.04 J**	**1.07 J**	ND	10	20	
Silver	**2.84 J**	ND	ND	ND	ND	ND	ND	ND	**2.28 J**	ND	ND	ND	ND	10	20	
Vanadium	ND	**3.11 J**	ND	**33.7**	**6.65 J**	ND	ND	**9.54 J**	**1.8 J**	ND	ND	**3.84 J**	ND	25	ns	3.5
Zinc	**5.52 J**	ND	ND	**39.9**	ND	ND	ND	ND	ND	ND	ND	**4.92 J**	**7.58 J**	10	1000	

ND = compound not detected
JB = The analyte was detected in the associated method blank
J = Parameters are estimated values between the detection limit and the NC SWSL.
ns = no corresponding NCAC 2L groundwater quality standard
NC SWSL= North Carolina Solid Waste Section Limit
NCAC 2L std = 15A North Carolina Administrative Code 2L .0200, Groundwater Quality Standards for Class GA groundwater
NC GPS = North Carolina Groundwater Protection Standards. If a NCAC 2L is not established the GPS is used

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 Groundwater Protection Standard

TABLE 4
STATISTICAL TEST RESULTS SUMMARY - MAY 2011
APPENDIX I - VOLATILE ORGANIC COMPOUNDS
PHASE II - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Compound	Sample Locations													
	II-1		II-2		II-3		II-4		II-5		II-6		II-7	
	WRS	TL	WRS	TL	WRS	TL	WRS	TL	WRS	TL	WRS	TL	WRS	TL
Vinyl Chloride	PND	PND	**No**	**No**	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND
Trichlorofluoromethane	PND	PND	**No**	**No**	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND
1,1-Dichloroethane	**No**	**No**	**Yes**	**Yes**	**Yes**	**Yes**	**No**	**No**	PND	PND	PND	PND	PND	PND
cis 1,2-Dichloroethene	**No**	**No**	**Yes**	**Yes**	**No**	**No**	PND	PND	PND	PND	PND	PND	PND	PND
Tetrachloroethene	PND	PND	**No**	**No**	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND
Trichloroethene	PND	PND	**No**	**No**	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND

Compound	Sample Locations					
	II-7B		II-8		II-12	
	WRS	TL	WRS	TL	WRS	TL
Vinyl Chloride	PND	PND	PND	PND	PND	PND
Trichlorofluoromethane	PND	PND	PND	PND	PND	PND
1,1-Dichlorothane	PND	PND	**No**	**No**	PND	PND
cis 1,2-Dichloroethene	PND	PND	PND	PND	PND	PND
Tetrachloroethene	PND	PND	PND	PND	PND	PND
Trichloroethene	PND	PND	PND	PND	PND	PND

WRS = Wilcoxon Rank Sum Test Method
TL = Non-parametric tolerance limit test method
PND = Parameter not detected during the current water quality monitoring event
yes = The test suggests the specified well has statistically elevated levels of the parameter
No = The test suggests the specified well does not have statistically elevated levels of the parameter

TABLE 5
STATISTICAL TEST RESULTS SUMMARY - MAY 2011
APPENDIX I - INORGANIC COMPOUNDS
PHASE II - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Compound	Sample Locations													
	II-1		II-2		II-3		II-4		II-5		II-6		II-7	
	WRS	TL	WRS	TL	WRS	TL	WRS	TL	WRS	TL	WRS	TL	WRS	TL
Barium	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Cobalt	Yes	Yes	PND	PND	Yes	Yes	No	No	No	No	No	No	PND	PND
Copper	No	No	PND	PND	No	No	No	No	No	No	No	No	PND	PND
Selenium	No	No	No	No	No	No	No	No	No	No	No	No	No	No
Vanadium	PND	PND	No	No	PND	PND	No	No	No	No	PND	PND	PND	PND
Zinc	No	No	PND	PND	PND	PND	No	No	PND	PND	PND	PND	PND	PND

Compound	Sample Locations					
	II-7B		II-8		II-12	
	WRS	TL	WRS	TL	WRS	TL
Barium	No	No	No	No	No	No
Cobalt	PND	PND	PND	PND	No	No
Copper	No	No	PND	PND	PND	PND
Selinium	No	No	No	No	No	No
Vanadium	No	No	No	No	PND	PND
Zinc	PND	PND	PND	PND	PND	PND

WRS = Wilcoxon Rank Sum Test Method
TL = Non-parametric tolerance limit test method
PND = Parameter not detected during the current water quality monitoring event
yes = The test suggests the specified well has statistically elevated levels of the parameter
No = The test suggests the specified well does not have statistically elevated levels of the parameter

TABLE 6
GROUNDWATER VELOCITY DATA - MAY 2011
PHASE II - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Well No.	Hydraulic Conductivity (K = feet/day)	Porosity (n = %)	Gradient (I = feet/feet)	Groundwater Velocity (V= feet/day)
II-1	0.119	0.2	0.028	0.017
II-2	0.329	0.2	0.039	0.065
II-3	0.380	0.2	0.043	0.082
II-4	0.200	0.2	0.029	0.029
II-5	0.042	0.2	0.030	0.006
II-6	0.221	0.2	0.014	0.016
II-7	1.077	0.2	0.023	0.124
II-8	2.353	0.2	0.021	0.247
MW-14	0.740	0.2	0.015	0.056

Notes: Hydraulic Conductivity's from slug test data by BPA Environmental & Engineering Inc. and HDR Engineering
Porosity values from published literature, based on soil types
Gradients are based upon groundwater elevation data from this monitoring event
Velocity calculated using V = KI/n
NA = Not Applicable, deeper aquifer monitoring well

TABLE 7
SURFACE WATER ANALYTICAL RESULTS SUMMARY - MAY 2011
APPENDIX I - VOLATILE ORGANIC COMPOUNDS
PHASE II - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Constituent	Sample Locations				15A NCAC 2B Standards*	NC SWSL
	Up Stream		Down Stream			
	SW-2 (ug/L)	SW-3 (ug/L)	SW-4 (ug/L)	SW-5 (ug/L)	(ug/L)	(ug/L)
Acetone	**7.5 J**	ND	ND	ND	ns	100
Chloroform	ND	**0.70 J**	ND	ND	5.6	5
Toluene	**2.4**	ND	ND	ND	11	1

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

TABLE 8
SURFACE WATER ANALYTICAL RESULTS SUMMARY - MAY 2011
APPENDIX I - INORGANIC PARAMETERS
PHASE II - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

	Sample Locations				15A NCAC 2B	NC SWSL
	Up Stream		Down Stream		Standards*	
Constituent	SW-2 (ug/L)	SW-3 (ug/L)	SW-4 (ug/L)	SW-5 (ug/L)	(ug/L)	(ug/L)
Arsenic	**3.04 J**	**3.39 J**	ND	ND	ns	10
Antimony	ND	**0.287 J**	**0.241 J**	**0.261 J**	ns	6
Barium	**39.3 J**	**40.3 J**	**35.3 J**	**37.0 J**	1000	100
Chromium	ND	**1.09 J**	ND	ND	50	10
Copper	ND	**3.34 J**	**2.89 J**	**3.03 J**	7	10
Lead	ND	**2.00 J**	ND	ND	25	10
Nickel	ND	ND	**2.57 J**	**2.66 J**	25	50
Selenium	ND	ND	**1.16 J**	**0.926 J**	5	10
Vanadium	**1.90 J**	**2.35 J**	**2.27 J**	**2.42 J**	ns	25
Zinc	**10.1**	**33.5**	**27.7**	**36.9**	50	10

NC SWSL = North Carolina Solid Waste Section Limit
ND = Parameter not detected
* = Title 15A NCAC 2B Standards for Class C, WS-V surface water
J = Estimated value between the detection limit and the NC SWSL
B = The analyte was detected in the associated method blank
ns = Title 15A NCAC 2B provides no established standard for these constituents
Yellow highlights indicate a measurement higher than the NC SWSL.
Orange highlights indicate a measurement higher than 2B standards.

APPENDIX I

Groundwater Sampling Field Data Sheets

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Project No.: 1584-98-081
Source Well: II-1

Locked?: Yes: ____ No: x
Sampled By: Gary Simcox

Purge Date: Monday, May 09, 2011
Purge Time:
Sample Date: Monday, May 09, 2011
Sample Time: 1105
Weather: Clear
Air Temp: 70 *F

Water Level & Well Data

Depth to water from measuring point: 15.13 feet
Depth to well bottom from measuring point: 25.00 feet
Height of water column: 9.87 feet
Measuring point: Top of Casing

Well Purging & Sample Collection

Purge Method: Bladder Pump
Sample Method: Bladder Pump
Purge Rate: 100 ml/min
Control Settings: On: 2.5 sec.
Off: 27.5 sec.
Pressure: 18 psi

Purge Time
Start 1025 Stop 1100
Sample Collection Time
Start 1100 Stop 1105

Volume of water in well
2" well:
height: 9.87 x .163 = 1.60881

Volume of water removed: 4.0 gallons ____ liters x

Was well purged dry: Yes ____ No x

Field Analyses

*Stabilization Parameters

Time	Date	Temp	pH	Conductivity	*ORP	*D.O.	*Turbidity	DTW
1025	5/9/2011							
1030	5/9/2011	17.84	7.93	3.070	182	2.26	8.33	15.43
1035	5/9/2011	18.10	7.92	3.140	180	1.67	9.88	15.49
1040	5/9/2011	18.06	7.93	3.130	181	1.58	11.65	15.48
1045	5/9/2011	18.20	7.95	3.160	182	1.33	14.51	15.49
1050	5/9/2011	18.33	7.95	3.180	182	1.18	17.77	15.50
1055	5/9/2011	18.36	7.95	3.190	181	1.06	18.65	15.49
1100	5/9/2011	18.41	7.95	3.190	180	1.02	19.01	15.51

Final Readings	1100	5/9/2011	18.41	7.95	3.190	180	1.02	19.01	15.51
			* C	units	mS/cm	mV	mg/L	NTU	

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Project No.: 1584-98-081
Source Well: II-2

Locked?: Yes: x No: ____
Sampled By: Gary Simcox

Purge Date: Monday, May 09, 2011
Purge Time: ____
Sample Date: Monday, May 09, 2011
Sample Time: 1400
Weather: Clear
Air Temp: 75 *F

Water Level & Well Data

Depth to water from measuring point: 19.37 feet
Depth to well bottom from measuring point: 29.00 feet
Height of water column: 9.63 feet
Measuring point: Top of Casing

Well Purging & Sample Collection

Purge Method: Bladder Pump
Sample Method: Bladder Pump
Purge Rate: 100 ml/min
Control Settings: On: 3.0 sec.
Off: 27.0 sec.
Pressure: ____ psi

Purge Time
Start 1320 Stop 1355
Sample Collection Time
Start 1355 Stop 1400

Volume of water in well
2" well:
height: 9.63 x .163 = 1.56969

Volume of water removed: 4.0 gallons ____ liters x

Was well purged dry: Yes ____ No x

Field Analyses

*Stabilization Parameters

Time	Date	Temp	pH	Conductivity	*ORP	*D.O.	*Turbidity	DTW
1320	5/9/2011							
1325	5/9/2011	19.47	8.69	0.908	114	5.93	2.90	19.85
1330	5/9/2011	19.75	8.40	0.906	91	3.54	5.28	19.83
1335	5/9/2011	19.60	8.40	0.928	92	3.54	6.42	19.85
1340	5/9/2011	19.25	8.42	0.935	94	3.14	6.35	19.87
1345	5/9/2011	19.05	8.43	0.938	94	2.99	6.14	19.88
1350	5/9/2011	18.87	8.45	0.932	93	2.88	6.62	19.93
1355	5/9/2011	18.63	8.46	0.933	91	2.70	5.97	19.95

Final Readings	1355	5/9/2011	18.63	8.46	0.933	91	2.70	5.97	19.95
			* C	units	mS/cm	mV	mg/L	NTU	

GROUNDWATER SAMPLING FIELD DATA

Location:	White Street Landfill	Purge Date:	Monday, May 09, 2011
Project No.:	1584-98-081	Purge Time:	
Source Well:	II-3	Sample Date:	Monday, May 09, 2011
		Sample Time:	1520
Locked?:	Yes: x No:	Weather:	Clear
Sampled By:	Gary Simcox	Air Temp:	75 *F

Water Level & Well Data

Depth to water from measuring point:	16.92	feet
Depth to well bottom from measuring point:	30.00	feet
Height of water column:	13.08	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method: Bladder Pump

Sample Method: Bladder Pump

Purge Rate: 100 ml/min

Control Settings: On: 3.0 sec.; Off: 27.0 sec.; Pressure: 20 psi

Purge Time

Start 1440 Stop 1515

Sample Collection Time

Start 1515 Stop 1520

Volume of water in well

2" well:

height: 13.08 x .163 = 2.13204

Volume of water removed: 4.0 gallons _____ liters x

Was well purged dry: Yes _____ No x

Field Analyses

*Stabilization Parameters

Time	Date	Temp	pH	Conductivity	*ORP	*D.O.	*Turbidity	DTW
1440	5/9/2011							
1445	5/9/2011	20.59	7.72	0.421	226	4.02	7.59	17.40
1450	5/9/2011	20.74	7.54	0.418	193	2.79	5.90	17.27
1455	5/9/2011	22.05	7.49	0.422	190	1.99	7.16	17.20
1500	5/9/2011	23.16	7.48	0.419	189	2.82	10.37	17.31
1505	5/9/2011	21.83	7.47	0.418	191	2.07	7.72	17.23
1510	5/9/2011	21.62	7.47	0.419	189	1.94	8.63	17.28
1515	5/9/2011	21.69	7.47	0.419	189	1.96	8.16	17.30

Final Readings	1515	5/9/2011	21.69	7.47	0.419	89	0.96	8.16	17.30
			* C	units	mS/cm	mV	mg/L	NTU	

GROUNDWATER SAMPLING FIELD DATA

Location:	White Street Landfill	Purge Date:	Tuesday, May 10, 2011
Project No.:	1584-98-081	Purge Time:	
Source Well:	II-4	Sample Date:	Tuesday, May 10, 2011
		Sample Time:	900
Locked?:	Yes: x No:	Weather:	P/Cloudy
Sampled By:	Gary Simcox	Air Temp:	55 *F

Water Level & Well Data

Depth to water from measuring point:	10.33	feet
Depth to well bottom from measuring point:	30.00	feet
Height of water column:	19.67	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method: Bladder Pump

Sample Method: Bladder Pump

Purge Rate: 100 ml/min

Control Settings: On: 3.5 sec.

Off: 26.5 sec.

Pressure: 26 psi

Purge Time

Start 745 Stop 850

Sample Collection Time

Start 850 Stop 900

Volume of water in well

2" well:

height: 19.67 x .163 = 3.20621

Volume of water removed: 7.0 gallons _____ liters x

Was well purged dry: Yes _____ No x

Field Analyses

*Stabilization Parameters

Time	Date	Temp	pH	Conductivity	*ORP	*D.O.	*Turbidity	DTW
745	5/10/2011							
750	5/10/2011	14.56	7.71	0.638	268	3.19	132.00	10.82
755	5/10/2011	14.42	7.69	0.611	239	2.04	155.00	10.72
800	5/10/2011	14.31	7.68	0.599	225	1.54	190.00	10.69
805	5/10/2011	14.41	7.69	0.602	212	1.36	147.00	10.61
810	5/10/2011	14.32	7.69	0.599	203	1.16	171.00	10.69
815	5/10/2011	14.26	7.70	0.596	205	1.07	228.00	10.73
820	5/10/2011	14.22	7.69	0.595	210	0.84	205.00	10.71
825	5/10/2011	14.32	7.70	0.596	218	0.75	254.00	10.67
830	5/10/2011	14.46	7.72	0.601	223	1.18	365.00	10.69
835	5/10/2011	14.39	7.71	0.606	230	0.74	373.00	10.70
840	5/10/2011	14.42	7.71	0.612	235	0.66	414.00	10.71
845	5/10/2011	14.60	7.70	0.616	238	0.73	435.00	10.65
850	5/10/2011	14.64	7.69	0.626	244	0.64	395.00	10.69

Final Readings	850	5/10/2011	14.64	7.69	0.626	244	0.64	395.00	10.69
			* C	units	mS/cm	mV	mg/L	NTU	

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Project No.: 1584-98-081
Source Well: II-5

Locked?: Yes: x No: ____
Sampled By: Gary Simcox

Purge Date: Monday, May 09, 2011
Purge Time: ____
Sample Date: Monday, May 09, 2011
Sample Time: 1630
Weather: Clear
Air Temp: 75 *F

Water Level & Well Data

Depth to water from measuring point: 6.91 feet
Depth to well bottom from measuring point: 16.00 feet
Height of water column: 9.09 feet
Measuring point: Top of Casing

Well Purging & Sample Collection

Purge Method: Bladder Pump
Sample Method: Bladder Pump
Purge Rate: 100 ml/min
Control Settings: On: 3.0 sec.
Off: 27.0 sec.
Pressure: 15 psi

Purge Time
Start 1550 Stop 1625
Sample Collection Time
Start 1625 Stop 1630

Volume of water in well
2" well:
height: 9.09 x .163 = 1.48167

Volume of water removed: 4.0 gallons ____ liters x

Was well purged dry: Yes ____ No x

Field Analyses

*Stabilization Parameters

Time	Date	Temp	pH	Conductivity	*ORP	*D.O.	*Turbidity	DTW
1550	5/9/2011							
1555	5/9/2011	20.46	8.21	0.461	195	3.71	3.58	7.03
1600	5/9/2011	21.76	8.09	0.412	227	2.11	17.78	7.11
1605	5/9/2011	21.70	8.08	0.404	239	1.84	21.20	7.30
1610	5/9/2011	21.15	8.07	0.390	247	1.59	26.10	7.31
1615	5/9/2011	21.34	8.08	0.389	252	1.51	25.50	7.29
1620	5/9/2011	21.93	8.08	0.388	254	1.52	27.90	7.27
1625	5/9/2011	22.45	8.07	0.389	255	1.50	25.10	7.25

Final Readings	1625	5/9/2011	22.45	8.07	0.389	255	1.50	25.10	7.25
			* C	units	mS/cm	mV	mg/L	NTU	

GROUNDWATER SAMPLING FIELD DATA

Location:	White Street Landfill	Purge Date:	Monday, May 09, 2011
Project No.:	1584-98-081	Purge Time:	
Source Well:	II-6	Sample Date:	Monday, May 09, 2011
		Sample Time:	1005
Locked?:	Yes: x No:	Weather:	Clear
Sampled By:	Gary Simcox	Air Temp:	70 *F

Water Level & Well Data

Depth to water from measuring point:	10.87	feet
Depth to well bottom from measuring point:	17.00	feet
Height of water column:	6.13	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method: Bladder Pump

Sample Method: Bladder Pump

Purge Rate: 100 ml/min

Control Settings: On: 3.0 sec.; Off: 27.0 sec.; Pressure: 16 psi

Purge Time

Start 925 Stop 1000

Sample Collection Time

Start 1000 Stop 1005

Volume of water in well

2" well:

height: 6.13 x .163 = 0.99919

Volume of water removed: 4.0 gallons ____ liters x

Was well purged dry: Yes ____ No x

Field Analyses

*Stabilization Parameters

Time	Date	Temp	pH	Conductivity	*ORP	*D.O.	*Turbidity	DTW
925	5/9/2011							
930	5/9/2011	16.58	8.29	1.281	182	4.50	13.10	11.39
935	5/9/2011	17.12	8.08	0.756	206	5.09	17.76	11.44
940	5/9/2011	17.55	7.96	0.542	221	5.32	16.30	11.43
945	5/9/2011	17.93	7.91	0.446	229	5.33	14.99	11.46
950	5/9/2011	18.47	7.80	0.400	235	5.49	12.60	11.49
955	5/9/2011	18.86	7.77	0.399	234	5.51	11.11	11.50
1000	5/9/2011	19.52	7.78	0.411	225	5.61	9.78	11.52

Final Readings	1000	5/9/2011	19.52	7.78	0.411	225	5.61	9.78	11.52
			* C	units	mS/cm	mV	mg/L	NTU	

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Project No.: 1584-98-081
Source Well: II-7

Locked?: Yes: x No: ____
Sampled By: Gary Simcox

Purge Date: Monday, May 09, 2011
Purge Time: ____
Sample Date: Monday, May 09, 2011
Sample Time: 1245
Weather: Clear
Air Temp: 75 *F

Water Level & Well Data

Depth to water from measuring point: 13.69 feet
Depth to well bottom from measuring point: 27.00 feet
Height of water column: 13.31 feet
Measuring point: Top of Casing

Well Purging & Sample Collection

Purge Method: Blader Pump
Sample Method: Blader Pump
Purge Rate: 100 ml/min
Control Settings: On: 3.0 sec.
Off: 27.0 sec.
Pressure: 21 psi

Purge Time
Start 1220 Stop 1240
Sample Collection Time
Start 1240 Stop 1245

Note: Duplicate II taken at this location. (0800 hrs)

Volume of water in well
2" well:
height: 13.31 x .163 = 2.16953

Volume of water removed: 4.0 gallons ____ liters x

Was well purged dry: Yes ____ No x

Field Analyses

*Stabilization Parameters

Time	Date	Temp	pH	Conductivity	*ORP	*D.O.	*Turbidity	DTW
1220	5/9/2011							
1225	5/9/2011	18.72	7.57	0.180	306	3.72	6.24	13.91
1230	5/9/2011	19.82	7.11	0.150	324	4.34	6.78	13.95
1235	5/9/2011	19.87	7.04	0.144	337	4.10	6.55	13.98
1240	5/9/2011	19.70	7.03	0.141	343	4.03	6.65	14.00

Final Readings	1240	5/9/2011	19.70	7.03	0.141	343	4.03	6.65	14.00
			* C	units	mS/cm	mV	mg/L	NTU	

GROUNDWATER SAMPLING FIELD DATA

Location:	White Street Landfill	Purge Date:	Monday, May 09, 2011
Project No.:	1584-98-081	Purge Time:	
Source Well:	II-7b	Sample Date:	Monday, May 09, 2011
		Sample Time:	1205
Locked?:	Yes: x No:	Weather:	Clear
Sampled By:	Gary Simcox	Air Temp:	75 *F

Water Level & Well Data

Depth to water from measuring point:	17.04	feet
Depth to well bottom from measuring point:	101.00	feet
Height of water column:	83.96	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method: Bladder Pump

Sample Method: Bladder Pump

Purge Rate: 100 ml/min

Control Settings: On: 2.5 sec.

Off: 27.5 sec.

Pressure: 52 psi

Purge Time

Start 1130 Stop 1200

Sample Collection Time

Start 1200 Stop 1205

Volume of water in well

2" well:

height: 83.96 x .163 = 13.68548

Volume of water removed: 4.0 gallons _____ liters x

Was well purged dry: Yes _____ No x

Field Analyses

*Stabilization Parameters

Time	Date	Temp	pH	Conductivity	*ORP	*D.O.	*Turbidity	DTW
1130	5/9/2011							
1135	5/9/2011	17.53	9.62	0.488	111	2.36	3.84	18.25
1140	5/9/2011	17.44	10.92	0.450	91	2.09	3.01	18.43
1145	5/9/2011	17.69	11.11	0.442	89	1.98	3.51	18.53
1150	5/9/2011	18.07	11.27	0.441	89	1.89	3.62	18.63
1155	5/9/2011	18.08	11.35	0.447	86	1.89	3.90	18.75
1200	5/9/2011	18.09	11.43	0.453	85	1.91	4.01	18.85

Final Readings	1200	5/9/2011	18.09	11.43	0.453	85	1.91	4.01	18.85
			* C	units	mS/cm	mV	mg/L	NTU	

GROUNDWATER SAMPLING FIELD DATA

Location:	White Street Landfill	Purge Date:	Monday, May 09, 2011
Project No.:	1584-98-081	Purge Time:	
Source Well:	II-8	Sample Date:	Monday, May 09, 2011
		Sample Time:	900
Locked?:	Yes: x No:	Weather:	Clear
Sampled By:	Gary Simcox	Air Temp:	60 *F

Water Level & Well Data

Depth to water from measuring point:	9.19	feet
Depth to well bottom from measuring point:	32.50	feet
Height of water column:	23.31	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method: Blader Pump

Sample Method: Blader Pump

Purge Rate: 100 ml/min

Control Settings: On: 3.5 sec.
Off: 26.5 sec.
Pressure: 30 psi

Purge Time

Start 825 Stop 855

Sample Collection Time

Start 855 Stop 900

Volume of water in well

2" well:

height: 23.31 x .163 = 3.79953

Volume of water removed: 4.0 gallons _____ liters x

Was well purged dry: Yes _____ No x

Field Analyses

*Stabilization Parameters

Time	Date	Temp	pH	Conductivity	*ORP	*D.O.	*Turbidity	DTW
825	5/9/2011							
830	5/9/2011	16.90	7.92	2.590	155	2.51	3.77	9.35
835	5/9/2011	17.57	8.01	2.680	110	1.34	4.07	9.27
840	5/9/2011	18.20	8.01	2.660	109	1.16	4.20	9.31
845	5/9/2011	18.13	8.00	2.650	118	0.97	3.95	9.27
850	5/9/2011	18.54	8.03	2.650	121	0.85	3.61	9.29
855	5/9/2011	18.78	8.03	2.630	128	0.78	3.86	9.30

Final Readings	855	5/9/2011	18.78	8.03	2.630	128	0.78	3.86	9.30
			* C	units	mS/cm	mV	mg/L	NTU	

MW-12

Location:	White Street Landfill	Purge Date:	Tuesday, May 10, 2011
Project No.:	1584-98-081	Purge Time:	
Source Well:	II-12	Sample Date:	Tuesday, May 10, 2011
		Sample Time:	1245
Locked?:	Yes: x No:	Weather:	Clear
Sampled By:	Gary Simcox	Air Temp:	70 *F

Water Level & Well Data

Depth to water from measuring point:	10.06	feet
Depth to well bottom from measuring point:	22.80	feet
Height of water column:	12.74	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method: Peristaltic Pump

Sample Method: Peristaltic Pump

Purge Rate: 100 ml/min

Control Settings: On: ____ sec.
Off: ____ sec.
Pressure: ____ psi

Purge Time

Start 1200 Stop 1235

Sample Collection Time

Start 1235 Stop 1245

Volume of water in well

2" well:

height: 12.74 x .163 = 2.07662

Volume of water removed: 4.0 gallons x liters ____

Was well purged dry: Yes ____ No x

Field Analyses

*Stabilization Parameters

Time	Date	Temp	pH	Conductivity	*ORP	*D.O.	*Turbidity	DTW
1200	5/10/2011							
1205	5/10/2011	18.83	8.32	0.791	10	0.98	14.91	10.24
1210	5/10/2011	17.47	8.38	0.831	0	0.50	12.84	10.33
1215	5/10/2011	17.49	8.40	0.834	-4	0.39	13.68	10.37
1220	5/10/2011	17.41	8.41	0.835	-6	0.36	12.03	10.41
1225	5/10/2011	17.06	8.43	0.835	-7	0.33	10.30	10.45
1230	5/10/2011	17.56	8.45	0.835	-11	0.31	10.05	10.44
1235	5/10/2011	17.66	8.43	0.834	-11	0.30	10.16	10.45

Final Readings	1235	5/10/2011	17.66	8.43	0.834	-11	0.30	10.16	10.45
			* C	units	mS/cm	mV	mg/L	NTU	

GROUNDWATER SAMPLING FIELD DATA

Location:	White Street Landfill	Purge Date:	Tuesday, May 10, 2011
Project No.:	1584-98-081	Purge Time:	
Source Well:	MW-13	Sample Date:	Tuesday, May 10, 2011
		Sample Time:	1115
Locked?:	Yes: x No:	Weather:	Clear
Sampled By:	Gary Simcox	Air Temp:	65 *F

Water Level & Well Data

Depth to water from measuring point:	18.91	feet
Depth to well bottom from measuring point:	33.00	feet
Height of water column:	14.09	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method: Bladder Pump

Sample Method: Bladder Pump

Purge Rate: 100 ml/min

Control Settings: On: 3.0 sec.
Off: 27.0 sec.
Pressure: _____ psi

Purge Time
Start 1035 Stop 1110

Sample Collection Time
Start 1110 Stop 1115

Volume of water in well

2" well:

height: 14.09 x .163 = 2.29667

Volume of water removed: 4.0 gallons _____ liters x

Was well purged dry: Yes _____ No x

Field Analyses

*Stabilization Parameters

Time	Date	Temp	pH	Conductivity	*ORP	*D.O.	*Turbidity	DTW
1035	5/10/2011							
1040	5/10/2011	18.47	8.39	0.430	227	5.19	11.81	19.21
1045	5/10/2011	19.27	8.39	0.439	227	4.65	7.63	19.24
1050	5/10/2011	20.11	8.41	0.444	227	4.81	6.32	19.38
1055	5/10/2011	19.42	8.42	0.446	228	4.61	5.89	19.44
1100	5/10/2011	19.11	8.44	0.447	229	4.59	5.29	19.48
1105	5/10/2011	19.16	8.43	0.446	229	4.64	5.20	19.51
1110	5/10/2011	18.91	8.44	0.446	229	4.65	4.99	19.55

Final Readings	1110	5/10/2011	18.91	8.44	0.446	229	4.65	4.99	19.55
			* C	units	mS/cm	mV	mg/L	NTU	

GROUNDWATER SAMPLING FIELD DATA

Location:	White Street Landfill	Purge Date:	Tuesday, May 10, 2011
Project No.:	1584-98-081	Purge Time:	
Source Well:	MW-14	Sample Date:	Tuesday, May 10, 2011
		Sample Time:	1010
Locked?:	Yes: x No:	Weather:	Clear
Sampled By:	Gary Simcox	Air Temp:	65 *F

Water Level & Well Data

Depth to water from measuring point:	27.13	feet
Depth to well bottom from measuring point:	34.00	feet
Height of water column:	6.87	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method: Bladder Pump

Sample Method: Bladder Pump

Purge Rate: 100 ml/min

Control Settings: On: 4.0 sec.
Off: 26.0 sec.
Pressure: 28 psi

Purge Time
Start 930 Stop 1005

Sample Collection Time
Start 1005 Stop 1010

Volume of water in well

2" well:

height: 6.87 x .163 = 1.11981

Volume of water removed: 4.0 gallons _____ liters x

Was well purged dry: Yes _____ No x

Field Analyses

*Stabilization Parameters

Time	Date	Temp	pH	Conductivity	*ORP	*D.O.	*Turbidity	DTW
930	5/10/11							
935	5/10/11	19.62	7.58	0.066	277	4.34	26.10	27.20
940	5/10/11	20.74	7.54	0.067	281	3.93	14.23	27.23
945	5/10/11	21.37	7.49	0.065	284	3.66	11.87	27.20
950	5/10/11	21.03	7.40	0.060	293	3.41	10.52	27.21
955	5/10/11	20.29	7.40	0.058	301	3.27	9.23	27.20
1000	5/10/11	19.92	7.35	0.058	306	3.22	9.86	27.20
1005	5/10/11	19.67	7.32	0.057	313	3.22	9.47	27.20

Final Readings	1005	5/10/11	19.67	7.32	0.057	313	3.22	9.47	27.20
			* C	units	mS/cm	mV	mg/L	NTU	

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Project No.: 1584-98-081
Source Well: SW-2

Locked?: Yes: x No: _____
Sampled By: Gary Simcox

Purge Date: Thursday, May 12, 2011
Purge Time: _____
Sample Date: Thursday, May 12, 2011
Sample Time: 1330
Weather: Cloudy
Air Temp: 70 *F

Water Level & Well Data

Depth to water from measuring point: _____ feet
Depth to well bottom from measuring point: _____ feet
Height of water column: 0.00 feet
Measuring point: _____

Well Purging & Sample Collection

Purge Method _____
Sample Method _____
Purge Rate _____ ml/min
Control Settings On: _____ sec.
Off: _____ sec.
Pressure: _____ psi

Purge Time
Start _____ Stop _____
Sample Collection Time
Start _____ Stop _____

Volume of water in well
2" well:
height: 0 x .163 = 0

Volume of water removed _____ gallons _____ liters x

Was well purged dry Yes _____ No x

Field Analyses

*Stabilization Parameters

Time	Date	Temp	pH	Conductivity	*ORP	*D.O.	*Turbidity	DTW
Final Readings	1330	5/12/2011	17.50	7.74	209.000			
			* C	units	u S			

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Project No.: 1584-98-081
Source Well: SW-3

Locked?: Yes: _____ No: _____
Sampled By: Gary Simcox

Purge Date: Thursday, May 12, 2011
Purge Time: _____
Sample Date: Thursday, May 12, 2011
Sample Time: 1410
Weather: Cloudy
Air Temp: 70 *F

Water Level & Well Data

Depth to water from measuring point: _____ feet
Depth to well bottom from measuring point: _____ feet
Height of water column: 0.00 feet
Measuring point: _____

Well Purging & Sample Collection

Purge Method _____
Sample Method _____
Purge Rate _____ ml/min
Control Settings On: _____ sec.
Off: _____ sec.
Pressure: _____ psi

Purge Time
Start _____ Stop _____
Sample Collection Time
Start _____ Stop _____

Volume of water in well
2" well:
height: 0 x .163 = 0

Volume of water removed _____ gallons _____ liters _____

Was well purged dry Yes _____ No x

Field Analyses

*Stabilization Parameters

Time	Date	Temp	pH	Conductivity	*ORP	*D.O.	*Turbidity	DTW
Final Readings	1410	5/12/2011	19.30	7.71	345.000			
			* C	units	u S			

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Project No.: 1584-98-081
Source Well: SW-4

Locked?: Yes: x No: ____
Sampled By: Gary Simcox

Purge Date: Thursday, May 12, 2011
Purge Time: ____
Sample Date: Thursday, May 12, 2011
Sample Time: 1300
Weather: Cloudy
Air Temp: 70 *F

Water Level & Well Data

Depth to water from measuring point: ____ feet
Depth to well bottom from measuring point: ____ feet
Height of water column: 0.00 feet
Measuring point: ____

Well Purging & Sample Collection

Purge Method ____
Sample Method ____
Purge Rate ____ ml/min
Control Settings On: ____ sec.
Off: ____ sec.
Pressure: ____ psi

Purge Time
Start ____ Stop ____
Sample Collection Time
Start ____ Stop ____

Volume of water in well
2" well:
height: 0 x .163 = 0

Volume of water removed ____ gallons ____ liters ____

Was well purged dry Yes ____ No ____

Field Analyses

*Stabilization Parameters

Time	Date	Temp	pH	Conductivity	*ORP	*D.O.	*Turbidity	DTW
Final Readings	1300	5/12/2011	19.40	7.64	412.000			
			* C	units	u S			

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Project No.: 1584-98-081
Source Well: SW-5

Locked?: Yes: x No: ____
Sampled By: Gary Simcox

Purge Date: Thursday, May 12, 2011
Purge Time: ____
Sample Date: Thursday, May 12, 2011
Sample Time: 1510
Weather: Cloudy
Air Temp: 70 *F

Water Level & Well Data

Depth to water from measuring point: ____ feet
Depth to well bottom from measuring point: ____ feet
Height of water column: 0.00 feet
Measuring point: ____

Well Purging & Sample Collection

Purge Method ____
Sample Method ____
Purge Rate ____ gpm
Control Settings On: ____ sec.
Off: ____ sec.
Pressure: ____ psi

Purge Time
Start ____ Stop ____
Sample Collection Time
Start ____ Stop ____

Volume of water in well
2" well:
height: 0 x .163 = 0

Volume of water removed 0.0 gallons x liters ____

Was well purged dry Yes ____ No x

Field Analyses

*Stabilization Parameters

Time	Date	Temp	pH	Conductivity	*ORP	*D.O.	*Turbidity	DTW
Final Readings	1510	5/12/2011	19.50	7.54	405.000			
			* C	units	u S			

APPENDIX II

Laboratory Analytical Reports

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

Friday, May 27, 2011

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
ENCO Workorder: C105307

Dear Edmund Henriques,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, May 13, 2011.

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 35.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: SU-1 | **Lab ID: C105307-01** | **Sampled: 05/12/11 16:15** | **Received: 05/13/11 12:30**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	11/08/11	05/16/11 13:30	5/18/2011 12:52
EPA 6020A	11/08/11	05/19/11 16:36	5/24/2011 14:19
EPA 8260B	05/26/11	05/21/11 21:43	5/22/2011 08:39

Client ID: SU-2 | **Lab ID: C105307-02** | **Sampled: 05/12/11 15:45** | **Received: 05/13/11 12:30**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	11/08/11	05/16/11 13:30	5/18/2011 12:54
EPA 6020A	11/08/11	05/19/11 16:36	5/24/2011 14:23
EPA 8260B	05/26/11	05/20/11 10:05	5/22/2011 17:36

Client ID: SW-1 | **Lab ID: C105307-03** | **Sampled: 05/12/11 14:35** | **Received: 05/13/11 12:30**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	11/08/11	05/16/11 13:30	5/18/2011 12:56
EPA 6020A	11/08/11	05/19/11 16:36	5/24/2011 14:27
EPA 8260B	05/26/11	05/20/11 10:05	5/22/2011 18:05

Client ID: SW-2 | **Lab ID: C105307-04** | **Sampled: 05/12/11 13:30** | **Received: 05/13/11 12:30**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	11/08/11	05/16/11 13:30	5/18/2011 13:05
EPA 6020A	11/08/11	05/19/11 16:36	5/24/2011 14:31
EPA 8260B	05/26/11	05/20/11 10:05	5/22/2011 18:35

Client ID: SW-3 | **Lab ID: C105307-05** | **Sampled: 05/12/11 14:10** | **Received: 05/13/11 12:30**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	11/08/11	05/16/11 13:30	5/18/2011 13:07
EPA 6020A	11/08/11	05/19/11 16:36	5/24/2011 14:34
EPA 8260B	05/26/11	05/20/11 10:05	5/22/2011 19:04

Client ID: SW-4 | **Lab ID: C105307-06** | **Sampled: 05/12/11 13:00** | **Received: 05/13/11 12:30**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	11/08/11	05/16/11 13:30	5/18/2011 13:09
EPA 6020A	11/08/11	05/19/11 16:36	5/24/2011 14:38
EPA 8260B	05/26/11	05/20/11 10:05	5/22/2011 19:34

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Client ID: SW-5	Lab ID: C105307-07	Sampled: 05/12/11 15:10	Received: 05/13/11 12:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	11/08/11	05/16/11 13:30	5/18/2011 13:12
EPA 6020A	11/08/11	05/19/11 16:36	5/24/2011 14:42
EPA 8260B	05/26/11	05/20/11 10:05	5/22/2011 20:04

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NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: SU-1 **Lab ID: C105307-01**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Arsenic - Total	3.08	J	1	2.80	10.0	10	ug/L	EPA 6010C	
Barium - Total	67.3	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Cobalt - Total	6.76	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Nickel - Total	2.16	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Vanadium - Total	2.64	J	1	1.40	10.0	25	ug/L	EPA 6010C	

Client ID: SU-2 **Lab ID: C105307-02**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	37.3	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Cobalt - Total	1.48	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Vanadium - Total	1.44	J	1	1.40	10.0	25	ug/L	EPA 6010C	

Client ID: SW-1 **Lab ID: C105307-03**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	9.7	J	1	1.2	5.0	100	ug/L	EPA 8260B	
Antimony - Total	0.448	J	1	0.220	2.00	6	ug/L	EPA 6020A	
Arsenic - Total	5.09	J	1	2.80	10.0	10	ug/L	EPA 6010C	
Barium - Total	77.3	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Cadmium - Total	0.471	J	1	0.360	1.00	1	ug/L	EPA 6010C	
Chromium - Total	4.37	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Cobalt - Total	3.19	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	12.6		1	1.60	10.0	10	ug/L	EPA 6010C	
Lead - Total	15.4		1	1.90	10.0	10	ug/L	EPA 6010C	
Nickel - Total	2.34	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Vanadium - Total	8.52	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	76.2		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: SW-2 **Lab ID: C105307-04**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	7.5	J	1	1.2	5.0	100	ug/L	EPA 8260B	
Arsenic - Total	3.04	J	1	2.80	10.0	10	ug/L	EPA 6010C	
Barium - Total	39.3	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Toluene	2.4		1	0.85	1.0	1	ug/L	EPA 8260B	
Vanadium - Total	1.90	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	10.1		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: SW-3 **Lab ID: C105307-05**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Antimony - Total	0.287	J	1	0.220	2.00	6	ug/L	EPA 6020A	
Arsenic - Total	3.39	J	1	2.80	10.0	10	ug/L	EPA 6010C	
Barium - Total	40.3	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chloroform	0.70	J	1	0.70	1.0	5	ug/L	EPA 8260B	
Chromium - Total	1.09	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Copper - Total	3.34	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Lead - Total	2.00	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Vanadium - Total	2.35	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	33.5		1	3.80	10.0	10	ug/L	EPA 6010C	

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Client ID: SW-4 **Lab ID: C105307-06**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Antimony - Total	0.241	J	1	0.220	2.00	6	ug/L	EPA 6020A	
Barium - Total	35.3	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Copper - Total	2.89	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Nickel - Total	2.57	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Selenium - Total	1.16	J	1	0.830	1.00	10	ug/L	EPA 6020A	
Vanadium - Total	2.27	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	27.7		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: SW-5 **Lab ID: C105307-07**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Antimony - Total	0.261	J	1	0.220	2.00	6	ug/L	EPA 6020A	
Barium - Total	37.0	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Copper - Total	3.03	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Nickel - Total	2.66	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Selenium - Total	0.926	J	1	0.830	1.00	10	ug/L	EPA 6020A	
Vanadium - Total	2.42	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	36.9		1	3.80	10.0	10	ug/L	EPA 6010C	

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ANALYTICAL RESULTS

Description: SU-1
Matrix: Ground Water
Project: White Street Landfill

Lab Sample ID: C105307-01
Sampled: 05/12/11 16:15
Sampled By: Gary Simcox

Received: 05/13/11 12:30
Work Order: C105307

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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	05/22/11 08:39	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	05/22/11 08:39	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	05/22/11 08:39	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/22/11 08:39	jkg	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	05/22/11 08:39	jkg	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	05/22/11 08:39	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/22/11 08:39	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/22/11 08:39	jkg	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/22/11 08:39	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	05/22/11 08:39	jkg	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	05/22/11 08:39	jkg	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	05/22/11 08:39	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	05/22/11 08:39	jkg	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	05/22/11 08:39	jkg	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	05/22/11 08:39	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/22/11 08:39	jkg	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	05/22/11 08:39	jkg	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	05/22/11 08:39	jkg	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	05/22/11 08:39	jkg	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	05/22/11 08:39	jkg	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	05/22/11 08:39	jkg	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	05/22/11 08:39	jkg	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	05/22/11 08:39	jkg	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/22/11 08:39	jkg	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	05/22/11 08:39	jkg	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	05/22/11 08:39	jkg	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	05/22/11 08:39	jkg	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	05/22/11 08:39	jkg	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	05/22/11 08:39	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	05/22/11 08:39	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	05/22/11 08:39	jkg	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	05/22/11 08:39	jkg	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	05/22/11 08:39	jkg	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	05/22/11 08:39	jkg	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	05/22/11 08:39	jkg	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/22/11 08:39	jkg	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	05/22/11 08:39	jkg	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	05/22/11 08:39	jkg	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	05/22/11 08:39	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	05/22/11 08:39	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	05/22/11 08:39	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	05/22/11 08:39	jkg	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/22/11 08:39	jkg	

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Project: White Street Landfill

Lab Sample ID: C105307-01
Sampled: 05/12/11 16:15
Sampled By: Gary Simcox

Received: 05/13/11 12:30
Work Order: C105307

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/22/11 08:39	jkg	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	05/22/11 08:39	jkg	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	05/22/11 08:39	jkg	
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	05/22/11 08:39	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*51*	*1*	*50.0*	*102 %*	*51-122*	*1E21006*	*EPA 8260B*	*05/22/11 08:39*	*jkg*	
Dibromofluoromethane	*52*	*1*	*50.0*	*103 %*	*68-117*	*1E21006*	*EPA 8260B*	*05/22/11 08:39*	*jkg*	
Toluene-d8	*46*	*1*	*50.0*	*92 %*	*69-110*	*1E21006*	*EPA 8260B*	*05/22/11 08:39*	*jkg*	

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Metals (total recoverable) 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] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	05/24/11 14:19	JDH	
Arsenic [7440-38-2] ^	**3.08**	J	ug/L	1	2.80	10.0	10	EPA 6010C	05/18/11 12:52	JDH	
Barium [7440-39-3] ^	**67.3**	J	ug/L	1	1.00	10.0	100	EPA 6010C	05/18/11 12:52	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	05/18/11 12:52	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	05/18/11 12:52	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	05/18/11 12:52	JDH	
Cobalt [7440-48-4] ^	**6.76**	J	ug/L	1	1.10	10.0	10	EPA 6010C	05/18/11 12:52	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	05/18/11 12:52	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/18/11 12:52	JDH	
Nickel [7440-02-0] ^	**2.16**	J	ug/L	1	1.80	10.0	50	EPA 6010C	05/18/11 12:52	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	05/24/11 14:19	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/18/11 12:52	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	05/24/11 14:19	JDH	
Vanadium [7440-62-2] ^	**2.64**	J	ug/L	1	1.40	10.0	25	EPA 6010C	05/18/11 12:52	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	05/18/11 12:52	JDH	

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

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Project: White Street Landfill

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Sampled By: Gary Simcox

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Work Order: C105307

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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	05/22/11 17:36	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	05/22/11 17:36	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	05/22/11 17:36	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/22/11 17:36	jkg	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	05/22/11 17:36	jkg	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	05/22/11 17:36	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/22/11 17:36	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/22/11 17:36	jkg	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/22/11 17:36	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	05/22/11 17:36	jkg	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	05/22/11 17:36	jkg	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	05/22/11 17:36	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	05/22/11 17:36	jkg	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	05/22/11 17:36	jkg	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	05/22/11 17:36	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/22/11 17:36	jkg	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	05/22/11 17:36	jkg	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	05/22/11 17:36	jkg	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	05/22/11 17:36	jkg	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	05/22/11 17:36	jkg	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	05/22/11 17:36	jkg	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	05/22/11 17:36	jkg	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	05/22/11 17:36	jkg	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/22/11 17:36	jkg	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	05/22/11 17:36	jkg	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	05/22/11 17:36	jkg	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	05/22/11 17:36	jkg	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	05/22/11 17:36	jkg	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	05/22/11 17:36	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	05/22/11 17:36	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	05/22/11 17:36	jkg	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	05/22/11 17:36	jkg	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	05/22/11 17:36	jkg	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	05/22/11 17:36	jkg	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	05/22/11 17:36	jkg	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/22/11 17:36	jkg	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	05/22/11 17:36	jkg	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	05/22/11 17:36	jkg	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	05/22/11 17:36	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	05/22/11 17:36	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	05/22/11 17:36	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	05/22/11 17:36	jkg	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/22/11 17:36	jkg	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/22/11 17:36	jkg	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	05/22/11 17:36	jkg	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	05/22/11 17:36	jkg	

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Description: SU-2
Matrix: Ground Water
Project: White Street Landfill

Lab Sample ID: C105307-02
Sampled: 05/12/11 15:45
Sampled By: Gary Simcox

Received: 05/13/11 12:30
Work Order: C105307

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	05/22/11 17:36	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*49*	*1*	*50.0*	*98 %*	*51-122*	*1E20020*	*EPA 8260B*	*05/22/11 17:36*	*jkg*	
Dibromofluoromethane	*49*	*1*	*50.0*	*99 %*	*68-117*	*1E20020*	*EPA 8260B*	*05/22/11 17:36*	*jkg*	
Toluene-d8	*45*	*1*	*50.0*	*90 %*	*69-110*	*1E20020*	*EPA 8260B*	*05/22/11 17:36*	*jkg*	

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Description: SU-2
Matrix: Ground Water
Project: White Street Landfill

Lab Sample ID: C105307-02
Sampled: 05/12/11 15:45
Sampled By: Gary Simcox

Received: 05/13/11 12:30
Work Order: C105307

Metals (total recoverable) 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] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	05/24/11 14:23	JDH	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	05/18/11 12:54	JDH	
Barium [7440-39-3] ^	**37.3**	J	ug/L	1	1.00	10.0	100	EPA 6010C	05/18/11 12:54	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	05/18/11 12:54	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	05/18/11 12:54	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	05/18/11 12:54	JDH	
Cobalt [7440-48-4] ^	**1.48**	J	ug/L	1	1.10	10.0	10	EPA 6010C	05/18/11 12:54	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	05/18/11 12:54	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/18/11 12:54	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	05/18/11 12:54	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	05/24/11 14:23	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/18/11 12:54	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	05/24/11 14:23	JDH	
Vanadium [7440-62-2] ^	**1.44**	J	ug/L	1	1.40	10.0	25	EPA 6010C	05/18/11 12:54	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	05/18/11 12:54	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: SW-1
Matrix: Ground Water
Project: White Street Landfill

Lab Sample ID: C105307-03
Sampled: 05/12/11 14:35
Sampled By: Gary Simcox

Received: 05/13/11 12:30
Work Order: C105307

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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	05/22/11 18:05	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	05/22/11 18:05	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	05/22/11 18:05	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/22/11 18:05	jkg	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	05/22/11 18:05	jkg	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	05/22/11 18:05	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/22/11 18:05	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/22/11 18:05	jkg	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/22/11 18:05	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	05/22/11 18:05	jkg	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	05/22/11 18:05	jkg	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	05/22/11 18:05	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	05/22/11 18:05	jkg	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	05/22/11 18:05	jkg	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	05/22/11 18:05	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/22/11 18:05	jkg	
Acetone [67-64-1] ^	**9.7**	J	ug/L	1	1.2	5.0	100	EPA 8260B	05/22/11 18:05	jkg	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	05/22/11 18:05	jkg	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	05/22/11 18:05	jkg	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	05/22/11 18:05	jkg	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	05/22/11 18:05	jkg	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	05/22/11 18:05	jkg	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	05/22/11 18:05	jkg	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/22/11 18:05	jkg	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	05/22/11 18:05	jkg	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	05/22/11 18:05	jkg	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	05/22/11 18:05	jkg	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	05/22/11 18:05	jkg	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	05/22/11 18:05	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	05/22/11 18:05	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	05/22/11 18:05	jkg	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	05/22/11 18:05	jkg	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	05/22/11 18:05	jkg	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	05/22/11 18:05	jkg	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	05/22/11 18:05	jkg	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/22/11 18:05	jkg	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	05/22/11 18:05	jkg	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	05/22/11 18:05	jkg	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	05/22/11 18:05	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	05/22/11 18:05	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	05/22/11 18:05	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	05/22/11 18:05	jkg	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/22/11 18:05	jkg	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/22/11 18:05	jkg	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	05/22/11 18:05	jkg	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	05/22/11 18:05	jkg	

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Description: SW-1
Matrix: Ground Water
Project: White Street Landfill

Lab Sample ID: C105307-03
Sampled: 05/12/11 14:35
Sampled By: Gary Simcox

Received: 05/13/11 12:30
Work Order: C105307

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	05/22/11 18:05	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*49*	*1*	*50.0*	*98 %*	*51-122*	*1E20020*	*EPA 8260B*	*05/22/11 18:05*	*jkg*	
Dibromofluoromethane	*49*	*1*	*50.0*	*98 %*	*68-117*	*1E20020*	*EPA 8260B*	*05/22/11 18:05*	*jkg*	
Toluene-d8	*46*	*1*	*50.0*	*91 %*	*69-110*	*1E20020*	*EPA 8260B*	*05/22/11 18:05*	*jkg*	

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Description: SW-1
Matrix: Ground Water
Project: White Street Landfill

Lab Sample ID: C105307-03
Sampled: 05/12/11 14:35
Sampled By: Gary Simcox

Received: 05/13/11 12:30
Work Order: C105307

Metals (total recoverable) 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] ^	**0.448**	J	ug/L	1	0.220	2.00	6	EPA 6020A	05/24/11 14:27	JDH	
Arsenic [7440-38-2] ^	**5.09**	J	ug/L	1	2.80	10.0	10	EPA 6010C	05/18/11 12:56	JDH	
Barium [7440-39-3] ^	**77.3**	J	ug/L	1	1.00	10.0	100	EPA 6010C	05/18/11 12:56	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	05/18/11 12:56	JDH	
Cadmium [7440-43-9] ^	**0.471**	J	ug/L	1	0.360	1.00	1	EPA 6010C	05/18/11 12:56	JDH	
Chromium [7440-47-3] ^	**4.37**	J	ug/L	1	1.00	10.0	10	EPA 6010C	05/18/11 12:56	JDH	
Cobalt [7440-48-4] ^	**3.19**	J	ug/L	1	1.10	10.0	10	EPA 6010C	05/18/11 12:56	JDH	
Copper [7440-50-8] ^	**12.6**		ug/L	1	1.60	10.0	10	EPA 6010C	05/18/11 12:56	JDH	
Lead [7439-92-1] ^	**15.4**		ug/L	1	1.90	10.0	10	EPA 6010C	05/18/11 12:56	JDH	
Nickel [7440-02-0] ^	**2.34**	J	ug/L	1	1.80	10.0	50	EPA 6010C	05/18/11 12:56	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	05/24/11 14:27	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/18/11 12:56	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	05/24/11 14:27	JDH	
Vanadium [7440-62-2] ^	**8.52**	J	ug/L	1	1.40	10.0	25	EPA 6010C	05/18/11 12:56	JDH	
Zinc [7440-66-6] ^	**76.2**		ug/L	1	3.80	10.0	10	EPA 6010C	05/18/11 12:56	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: SW-2 | **Lab Sample ID:** C105307-04 | **Received:** 05/13/11 12:30

Matrix: Ground Water | **Sampled:** 05/12/11 13:30 | **Work Order:** C105307

Project: White Street Landfill | **Sampled By:** Gary Simcox

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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	05/22/11 18:35	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	05/22/11 18:35	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	05/22/11 18:35	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/22/11 18:35	jkg	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	05/22/11 18:35	jkg	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	05/22/11 18:35	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/22/11 18:35	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/22/11 18:35	jkg	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/22/11 18:35	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	05/22/11 18:35	jkg	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	05/22/11 18:35	jkg	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	05/22/11 18:35	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	05/22/11 18:35	jkg	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	05/22/11 18:35	jkg	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	05/22/11 18:35	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/22/11 18:35	jkg	
Acetone [67-64-1] ^	**7.5**	J	ug/L	1	1.2	5.0	100	EPA 8260B	05/22/11 18:35	jkg	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	05/22/11 18:35	jkg	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	05/22/11 18:35	jkg	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	05/22/11 18:35	jkg	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	05/22/11 18:35	jkg	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	05/22/11 18:35	jkg	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	05/22/11 18:35	jkg	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/22/11 18:35	jkg	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	05/22/11 18:35	jkg	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	05/22/11 18:35	jkg	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	05/22/11 18:35	jkg	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	05/22/11 18:35	jkg	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	05/22/11 18:35	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	05/22/11 18:35	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	05/22/11 18:35	jkg	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	05/22/11 18:35	jkg	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	05/22/11 18:35	jkg	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	05/22/11 18:35	jkg	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	05/22/11 18:35	jkg	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/22/11 18:35	jkg	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	05/22/11 18:35	jkg	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	05/22/11 18:35	jkg	
Toluene [108-88-3] ^	**2.4**		ug/L	1	0.85	1.0	1	EPA 8260B	05/22/11 18:35	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	05/22/11 18:35	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	05/22/11 18:35	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	05/22/11 18:35	jkg	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/22/11 18:35	jkg	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/22/11 18:35	jkg	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	05/22/11 18:35	jkg	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	05/22/11 18:35	jkg	

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Description: SW-2
Matrix: Ground Water
Project: White Street Landfill

Lab Sample ID: C105307-04
Sampled: 05/12/11 13:30
Sampled By: Gary Simcox

Received: 05/13/11 12:30
Work Order: C105307

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	05/22/11 18:35	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*52*	*1*	*50.0*	*103 %*	*51-122*	*1E20020*	*EPA 8260B*	*05/22/11 18:35*	*jkg*	
Dibromofluoromethane	*50*	*1*	*50.0*	*100 %*	*68-117*	*1E20020*	*EPA 8260B*	*05/22/11 18:35*	*jkg*	
Toluene-d8	*45*	*1*	*50.0*	*90 %*	*69-110*	*1E20020*	*EPA 8260B*	*05/22/11 18:35*	*jkg*	

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Description: SW-2
Matrix: Ground Water
Project: White Street Landfill

Lab Sample ID: C105307-04
Sampled: 05/12/11 13:30
Sampled By: Gary Simcox

Received: 05/13/11 12:30
Work Order: C105307

Metals (total recoverable) 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] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	05/24/11 14:31	JDH	
Arsenic [7440-38-2] ^	**3.04**	J	ug/L	1	2.80	10.0	10	EPA 6010C	05/18/11 13:05	JDH	
Barium [7440-39-3] ^	**39.3**	J	ug/L	1	1.00	10.0	100	EPA 6010C	05/18/11 13:05	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	05/18/11 13:05	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	05/18/11 13:05	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	05/18/11 13:05	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	05/18/11 13:05	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	05/18/11 13:05	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/18/11 13:05	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	05/18/11 13:05	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	05/24/11 14:31	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/18/11 13:05	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	05/24/11 14:31	JDH	
Vanadium [7440-62-2] ^	**1.90**	J	ug/L	1	1.40	10.0	25	EPA 6010C	05/18/11 13:05	JDH	
Zinc [7440-66-6] ^	**10.1**		ug/L	1	3.80	10.0	10	EPA 6010C	05/18/11 13:05	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: SW-3
Matrix: Ground Water
Project: White Street Landfill

Lab Sample ID: C105307-05
Sampled: 05/12/11 14:10
Sampled By: Gary Simcox

Received: 05/13/11 12:30
Work Order: C105307

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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	05/22/11 19:04	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	05/22/11 19:04	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	05/22/11 19:04	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/22/11 19:04	jkg	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	05/22/11 19:04	jkg	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	05/22/11 19:04	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/22/11 19:04	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/22/11 19:04	jkg	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/22/11 19:04	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	05/22/11 19:04	jkg	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	05/22/11 19:04	jkg	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	05/22/11 19:04	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	05/22/11 19:04	jkg	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	05/22/11 19:04	jkg	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	05/22/11 19:04	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/22/11 19:04	jkg	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	05/22/11 19:04	jkg	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	05/22/11 19:04	jkg	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	05/22/11 19:04	jkg	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	05/22/11 19:04	jkg	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	05/22/11 19:04	jkg	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	05/22/11 19:04	jkg	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	05/22/11 19:04	jkg	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/22/11 19:04	jkg	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	05/22/11 19:04	jkg	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	05/22/11 19:04	jkg	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	05/22/11 19:04	jkg	
Chloroform [67-66-3] ^	**0.70**	J	ug/L	1	0.70	1.0	5	EPA 8260B	05/22/11 19:04	jkg	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	05/22/11 19:04	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	05/22/11 19:04	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	05/22/11 19:04	jkg	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	05/22/11 19:04	jkg	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	05/22/11 19:04	jkg	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	05/22/11 19:04	jkg	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	05/22/11 19:04	jkg	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/22/11 19:04	jkg	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	05/22/11 19:04	jkg	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	05/22/11 19:04	jkg	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	05/22/11 19:04	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	05/22/11 19:04	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	05/22/11 19:04	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	05/22/11 19:04	jkg	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/22/11 19:04	jkg	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/22/11 19:04	jkg	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	05/22/11 19:04	jkg	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	05/22/11 19:04	jkg	

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Description: SW-3
Matrix: Ground Water
Project: White Street Landfill

Lab Sample ID: C105307-05
Sampled: 05/12/11 14:10
Sampled By: Gary Simcox

Received: 05/13/11 12:30
Work Order: C105307

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	05/22/11 19:04	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*51*	*1*	*50.0*	*101 %*	*51-122*	*1E20020*	*EPA 8260B*	*05/22/11 19:04*	*jkg*	
Dibromofluoromethane	*49*	*1*	*50.0*	*98 %*	*68-117*	*1E20020*	*EPA 8260B*	*05/22/11 19:04*	*jkg*	
Toluene-d8	*46*	*1*	*50.0*	*91 %*	*69-110*	*1E20020*	*EPA 8260B*	*05/22/11 19:04*	*jkg*	

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Description: SW-3
Matrix: Ground Water
Project: White Street Landfill

Lab Sample ID: C105307-05
Sampled: 05/12/11 14:10
Sampled By: Gary Simcox

Received: 05/13/11 12:30
Work Order: C105307

Metals (total recoverable) 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] ^	**0.287**	J	ug/L	1	0.220	2.00	6	EPA 6020A	05/24/11 14:34	JDH	
Arsenic [7440-38-2] ^	**3.39**	J	ug/L	1	2.80	10.0	10	EPA 6010C	05/18/11 13:07	JDH	
Barium [7440-39-3] ^	**40.3**	J	ug/L	1	1.00	10.0	100	EPA 6010C	05/18/11 13:07	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	05/18/11 13:07	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	05/18/11 13:07	JDH	
Chromium [7440-47-3] ^	**1.09**	J	ug/L	1	1.00	10.0	10	EPA 6010C	05/18/11 13:07	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	05/18/11 13:07	JDH	
Copper [7440-50-8] ^	**3.34**	J	ug/L	1	1.60	10.0	10	EPA 6010C	05/18/11 13:07	JDH	
Lead [7439-92-1] ^	**2.00**	J	ug/L	1	1.90	10.0	10	EPA 6010C	05/18/11 13:07	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	05/18/11 13:07	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	05/24/11 14:34	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/18/11 13:07	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	05/24/11 14:34	JDH	
Vanadium [7440-62-2] ^	**2.35**	J	ug/L	1	1.40	10.0	25	EPA 6010C	05/18/11 13:07	JDH	
Zinc [7440-66-6] ^	**33.5**		ug/L	1	3.80	10.0	10	EPA 6010C	05/18/11 13:07	JDH	

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Description: SW-4
Matrix: Ground Water
Project: White Street Landfill

Lab Sample ID: C105307-06
Sampled: 05/12/11 13:00
Sampled By: Gary Simcox

Received: 05/13/11 12:30
Work Order: C105307

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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	05/22/11 19:34	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	05/22/11 19:34	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	05/22/11 19:34	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/22/11 19:34	jkg	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	05/22/11 19:34	jkg	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	05/22/11 19:34	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/22/11 19:34	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/22/11 19:34	jkg	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/22/11 19:34	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	05/22/11 19:34	jkg	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	05/22/11 19:34	jkg	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	05/22/11 19:34	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	05/22/11 19:34	jkg	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	05/22/11 19:34	jkg	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	05/22/11 19:34	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/22/11 19:34	jkg	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	05/22/11 19:34	jkg	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	05/22/11 19:34	jkg	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	05/22/11 19:34	jkg	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	05/22/11 19:34	jkg	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	05/22/11 19:34	jkg	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	05/22/11 19:34	jkg	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	05/22/11 19:34	jkg	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/22/11 19:34	jkg	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	05/22/11 19:34	jkg	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	05/22/11 19:34	jkg	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	05/22/11 19:34	jkg	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	05/22/11 19:34	jkg	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	05/22/11 19:34	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	05/22/11 19:34	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	05/22/11 19:34	jkg	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	05/22/11 19:34	jkg	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	05/22/11 19:34	jkg	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	05/22/11 19:34	jkg	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	05/22/11 19:34	jkg	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/22/11 19:34	jkg	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	05/22/11 19:34	jkg	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	05/22/11 19:34	jkg	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	05/22/11 19:34	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	05/22/11 19:34	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	05/22/11 19:34	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	05/22/11 19:34	jkg	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/22/11 19:34	jkg	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/22/11 19:34	jkg	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	05/22/11 19:34	jkg	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	05/22/11 19:34	jkg	

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Description: SW-4
Matrix: Ground Water
Project: White Street Landfill

Lab Sample ID: C105307-06
Sampled: 05/12/11 13:00
Sampled By: Gary Simcox

Received: 05/13/11 12:30
Work Order: C105307

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	05/22/11 19:34	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*49*	*1*	*50.0*	*99 %*	*51-122*	*1E20020*	*EPA 8260B*	*05/22/11 19:34*	*jkg*	
Dibromofluoromethane	*49*	*1*	*50.0*	*99 %*	*68-117*	*1E20020*	*EPA 8260B*	*05/22/11 19:34*	*jkg*	
Toluene-d8	*45*	*1*	*50.0*	*89 %*	*69-110*	*1E20020*	*EPA 8260B*	*05/22/11 19:34*	*jkg*	

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Description: SW-4
Matrix: Ground Water
Project: White Street Landfill

Lab Sample ID: C105307-06
Sampled: 05/12/11 13:00
Sampled By: Gary Simcox

Received: 05/13/11 12:30
Work Order: C105307

Metals (total recoverable) 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] ^	**0.241**	J	ug/L	1	0.220	2.00	6	EPA 6020A	05/24/11 14:38	JDH	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	05/18/11 13:09	JDH	
Barium [7440-39-3] ^	**35.3**	J	ug/L	1	1.00	10.0	100	EPA 6010C	05/18/11 13:09	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	05/18/11 13:09	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	05/18/11 13:09	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	05/18/11 13:09	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	05/18/11 13:09	JDH	
Copper [7440-50-8] ^	**2.89**	J	ug/L	1	1.60	10.0	10	EPA 6010C	05/18/11 13:09	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/18/11 13:09	JDH	
Nickel [7440-02-0] ^	**2.57**	J	ug/L	1	1.80	10.0	50	EPA 6010C	05/18/11 13:09	JDH	
Selenium [7782-49-2] ^	**1.16**	J	ug/L	1	0.830	1.00	10	EPA 6020A	05/24/11 14:38	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/18/11 13:09	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	05/24/11 14:38	JDH	
Vanadium [7440-62-2] ^	**2.27**	J	ug/L	1	1.40	10.0	25	EPA 6010C	05/18/11 13:09	JDH	
Zinc [7440-66-6] ^	**27.7**		ug/L	1	3.80	10.0	10	EPA 6010C	05/18/11 13:09	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: SW-5
Matrix: Ground Water
Project: White Street Landfill

Lab Sample ID: C105307-07
Sampled: 05/12/11 15:10
Sampled By: Gary Simcox

Received: 05/13/11 12:30
Work Order: C105307

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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	05/22/11 20:04	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	05/22/11 20:04	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	05/22/11 20:04	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/22/11 20:04	jkg	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	05/22/11 20:04	jkg	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	05/22/11 20:04	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/22/11 20:04	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/22/11 20:04	jkg	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/22/11 20:04	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	05/22/11 20:04	jkg	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	05/22/11 20:04	jkg	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	05/22/11 20:04	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	05/22/11 20:04	jkg	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	05/22/11 20:04	jkg	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	05/22/11 20:04	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/22/11 20:04	jkg	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	05/22/11 20:04	jkg	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	05/22/11 20:04	jkg	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	05/22/11 20:04	jkg	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	05/22/11 20:04	jkg	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	05/22/11 20:04	jkg	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	05/22/11 20:04	jkg	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	05/22/11 20:04	jkg	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/22/11 20:04	jkg	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	05/22/11 20:04	jkg	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	05/22/11 20:04	jkg	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	05/22/11 20:04	jkg	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	05/22/11 20:04	jkg	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	05/22/11 20:04	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	05/22/11 20:04	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	05/22/11 20:04	jkg	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	05/22/11 20:04	jkg	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	05/22/11 20:04	jkg	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	05/22/11 20:04	jkg	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	05/22/11 20:04	jkg	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/22/11 20:04	jkg	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	05/22/11 20:04	jkg	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	05/22/11 20:04	jkg	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	05/22/11 20:04	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	05/22/11 20:04	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	05/22/11 20:04	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	05/22/11 20:04	jkg	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/22/11 20:04	jkg	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/22/11 20:04	jkg	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	05/22/11 20:04	jkg	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	05/22/11 20:04	jkg	

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Description: SW-5
Matrix: Ground Water
Project: White Street Landfill

Lab Sample ID: C105307-07
Sampled: 05/12/11 15:10
Sampled By: Gary Simcox

Received: 05/13/11 12:30
Work Order: C105307

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	05/22/11 20:04	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*51*	*1*	*50.0*	*102 %*	*51-122*	*1E20020*	*EPA 8260B*	*05/22/11 20:04*	*jkg*	
Dibromofluoromethane	*51*	*1*	*50.0*	*101 %*	*68-117*	*1E20020*	*EPA 8260B*	*05/22/11 20:04*	*jkg*	
Toluene-d8	*45*	*1*	*50.0*	*90 %*	*69-110*	*1E20020*	*EPA 8260B*	*05/22/11 20:04*	*jkg*	

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Description: SW-5
Matrix: Ground Water
Project: White Street Landfill

Lab Sample ID: C105307-07
Sampled: 05/12/11 15:10
Sampled By: Gary Simcox

Received: 05/13/11 12:30
Work Order: C105307

Metals (total recoverable) 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] ^	**0.261**	J	ug/L	1	0.220	2.00	6	EPA 6020A	05/24/11 14:42	JDH	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	05/18/11 13:12	JDH	
Barium [7440-39-3] ^	**37.0**	J	ug/L	1	1.00	10.0	100	EPA 6010C	05/18/11 13:12	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	05/18/11 13:12	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	05/18/11 13:12	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	05/18/11 13:12	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	05/18/11 13:12	JDH	
Copper [7440-50-8] ^	**3.03**	J	ug/L	1	1.60	10.0	10	EPA 6010C	05/18/11 13:12	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/18/11 13:12	JDH	
Nickel [7440-02-0] ^	**2.66**	J	ug/L	1	1.80	10.0	50	EPA 6010C	05/18/11 13:12	JDH	
Selenium [7782-49-2] ^	**0.926**	J	ug/L	1	0.830	1.00	10	EPA 6020A	05/24/11 14:42	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/18/11 13:12	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	05/24/11 14:42	JDH	
Vanadium [7440-62-2] ^	**2.42**	J	ug/L	1	1.40	10.0	25	EPA 6010C	05/18/11 13:12	JDH	
Zinc [7440-66-6] ^	**36.9**		ug/L	1	3.80	10.0	10	EPA 6010C	05/18/11 13:12	JDH	

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

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QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1E20020 - EPA 5030B_MS

Blank (1E20020-BLK1) Prepared: 05/20/2011 10:05 Analyzed: 05/22/2011 15:07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.90	U	1.0	ug/L							
1,1,1-Trichloroethane	0.65	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.75	U	1.0	ug/L							
1,1,2-Trichloroethane	0.66	U	1.0	ug/L							
1,1-Dichloroethane	0.080	U	1.0	ug/L							
1,1-Dichloroethene	0.60	U	1.0	ug/L							
1,2,3-Trichloropropane	0.72	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.11	U	1.0	ug/L							
1,2-Dichloroethane	0.47	U	1.0	ug/L							
1,2-Dichloropropane	0.59	U	1.0	ug/L							
1,4-Dichlorobenzene	0.79	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Acrylonitrile	3.5	U	10	ug/L							
Benzene	0.68	U	1.0	ug/L							
Bromochloromethane	0.87	U	1.0	ug/L							
Bromodichloromethane	0.75	U	1.0	ug/L							
Bromoform	0.68	U	1.0	ug/L							
Bromomethane	0.58	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.69	U	1.0	ug/L							
Chlorobenzene	0.74	U	1.0	ug/L							
Chloroethane	0.75	U	1.0	ug/L							
Chloroform	0.70	U	1.0	ug/L							
Chloromethane	0.55	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.72	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.075	U	1.0	ug/L							
Dibromochloromethane	0.63	U	1.0	ug/L							
Dibromomethane	0.90	U	1.0	ug/L							
Ethylbenzene	0.62	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							
Methylene chloride	0.14	U	1.0	ug/L							
Styrene	0.053	U	1.0	ug/L							
Tetrachloroethene	0.73	U	1.0	ug/L							
Toluene	0.85	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.12	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.50	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.72	U	1.0	ug/L							
Trichlorofluoromethane	0.66	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.60	U	1.0	ug/L							
Xylenes (Total)	2.1	U	3.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*48*			*ug/L*	*50.0*		*97*	*51-122*			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1E20020 - EPA 5030B_MS

Blank (1E20020-BLK1) Continued Prepared: 05/20/2011 10:05 Analyzed: 05/22/2011 15:07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Dibromofluoromethane	*51*			*ug/L*	*50.0*		*101*	*68-117*			
Surrogate: Toluene-d8	*44*			*ug/L*	*50.0*		*88*	*69-110*			

LCS (1E20020-BS1) Prepared: 05/20/2011 10:05 Analyzed: 05/22/2011 15:37

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		113	75-133			
Benzene	18		1.0	ug/L	20.0		90	81-134			
Chlorobenzene	19		1.0	ug/L	20.0		94	83-117			
Toluene	18		1.0	ug/L	20.0		91	71-118			
Trichloroethene	18		1.0	ug/L	20.0		92	75-115			

Matrix Spike (1E20020-MS1) Prepared: 05/20/2011 10:05 Analyzed: 05/22/2011 16:07

Source: C106028-02

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	0.60 U	114	75-133			
Benzene	19		1.0	ug/L	20.0	0.68 U	96	81-134			
Chlorobenzene	20		1.0	ug/L	20.0	0.74 U	98	83-117			
Toluene	19		1.0	ug/L	20.0	0.85 U	94	71-118			
Trichloroethene	19		1.0	ug/L	20.0	0.72 U	94	75-115			

Matrix Spike Dup (1E20020-MSD1) Prepared: 05/20/2011 10:05 Analyzed: 05/22/2011 16:36

Source: C106028-02

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	0.60 U	106	75-133	7	20	
Benzene	19		1.0	ug/L	20.0	0.68 U	93	81-134	3	17	
Chlorobenzene	19		1.0	ug/L	20.0	0.74 U	96	83-117	2	16	
Toluene	19		1.0	ug/L	20.0	0.85 U	94	71-118	0.8	17	
Trichloroethene	19		1.0	ug/L	20.0	0.72 U	93	75-115	2	18	

Batch 1E21006 - EPA 5030B_MS

Blank (1E21006-BLK1) Prepared: 05/21/2011 21:43 Analyzed: 05/22/2011 00:18

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.90	U	1.0	ug/L							
1,1,1-Trichloroethane	0.65	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.75	U	1.0	ug/L							
1,1,2-Trichloroethane	0.66	U	1.0	ug/L							
1,1-Dichloroethane	0.080	U	1.0	ug/L							
1,1-Dichloroethene	0.60	U	1.0	ug/L							
1,2,3-Trichloropropane	0.72	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.11	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1E21006 - EPA 5030B_MS

Blank (1E21006-BLK1) Continued Prepared: 05/21/2011 21:43 Analyzed: 05/22/2011 00:18

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dichloroethane	0.47	U	1.0	ug/L							
1,2-Dichloropropane	0.59	U	1.0	ug/L							
1,4-Dichlorobenzene	0.79	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Acrylonitrile	3.5	U	10	ug/L							
Benzene	0.68	U	1.0	ug/L							
Bromochloromethane	0.87	U	1.0	ug/L							
Bromodichloromethane	0.75	U	1.0	ug/L							
Bromoform	0.68	U	1.0	ug/L							
Bromomethane	0.58	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.69	U	1.0	ug/L							
Chlorobenzene	0.74	U	1.0	ug/L							
Chloroethane	0.75	U	1.0	ug/L							
Chloroform	0.70	U	1.0	ug/L							
Chloromethane	0.55	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.72	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.075	U	1.0	ug/L							
Dibromochloromethane	0.63	U	1.0	ug/L							
Dibromomethane	0.90	U	1.0	ug/L							
Ethylbenzene	0.62	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							
Methylene chloride	0.14	U	1.0	ug/L							
Styrene	0.053	U	1.0	ug/L							
Tetrachloroethene	0.73	U	1.0	ug/L							
Toluene	0.85	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.12	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.50	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.72	U	1.0	ug/L							
Trichlorofluoromethane	0.66	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.60	U	1.0	ug/L							
Xylenes (Total)	2.1	U	3.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*47*			*ug/L*	*50.0*		*93*	*51-122*			
Surrogate: Dibromofluoromethane	*46*			*ug/L*	*50.0*		*92*	*68-117*			
Surrogate: Toluene-d8	*45*			*ug/L*	*50.0*		*91*	*69-110*			

LCS (1E21006-BS1) Prepared: 05/21/2011 21:43 Analyzed: 05/22/2011 00:48

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		114	75-133			
Benzene	20		1.0	ug/L	20.0		102	81-134			
Chlorobenzene	20		1.0	ug/L	20.0		102	83-117			
Toluene	20		1.0	ug/L	20.0		100	71-118			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1E21006 - EPA 5030B_MS

LCS (1E21006-BS1) Continued Prepared: 05/21/2011 21:43 Analyzed: 05/22/2011 00:48

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Trichloroethene	20		1.0	ug/L	20.0		100	75-115			

Matrix Spike (1E21006-MS1) Prepared: 05/21/2011 21:43 Analyzed: 05/22/2011 01:17

Source: C106089-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0	0.60 U	110	75-133			
Benzene	20		1.0	ug/L	20.0	0.68 U	102	81-134			
Chlorobenzene	20		1.0	ug/L	20.0	0.74 U	101	83-117			
Toluene	20		1.0	ug/L	20.0	0.85 U	98	71-118			
Trichloroethene	20		1.0	ug/L	20.0	0.72 U	100	75-115			

Matrix Spike Dup (1E21006-MSD1) Prepared: 05/21/2011 21:43 Analyzed: 05/22/2011 01:47

Source: C106089-01

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	0.60 U	101	75-133	9	20	
Benzene	19		1.0	ug/L	20.0	0.68 U	96	81-134	5	17	
Chlorobenzene	19		1.0	ug/L	20.0	0.74 U	96	83-117	5	16	
Toluene	19		1.0	ug/L	20.0	0.85 U	94	71-118	4	17	
Trichloroethene	19		1.0	ug/L	20.0	0.72 U	93	75-115	8	18	

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 1E16021 - EPA 3005A

Blank (1E16021-BLK1) Prepared: 05/16/2011 13:30 Analyzed: 05/18/2011 12:16

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	2.80	U	10.0	ug/L							
Barium	1.00	U	10.0	ug/L							
Beryllium	0.100	U	1.00	ug/L							
Cadmium	0.360	U	1.00	ug/L							
Chromium	1.00	U	10.0	ug/L							
Cobalt	1.10	U	10.0	ug/L							
Copper	1.60	U	10.0	ug/L							
Lead	1.90	U	10.0	ug/L							
Nickel	1.80	U	10.0	ug/L							
Silver	1.90	U	10.0	ug/L							
Vanadium	1.40	U	10.0	ug/L							
Zinc	3.80	U	10.0	ug/L							

LCS (1E16021-BS1) Prepared: 05/16/2011 13:30 Analyzed: 05/18/2011 12:18

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	535		10.0	ug/L	500		107	80-120			
Barium	537		10.0	ug/L	500		107	80-120			
Beryllium	273		1.00	ug/L	250		109	80-120			

QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 1E16021 - EPA 3005A

LCS (1E16021-BS1) Continued Prepared: 05/16/2011 13:30 Analyzed: 05/18/2011 12:18

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cadmium	275		1.00	ug/L	250		110	80-120			
Chromium	544		10.0	ug/L	500		109	80-120			
Cobalt	528		10.0	ug/L	500		106	80-120			
Copper	271		10.0	ug/L	250		108	80-120			
Lead	539		10.0	ug/L	500		108	80-120			
Nickel	535		10.0	ug/L	500		107	80-120			
Silver	278		10.0	ug/L	250		111	80-120			
Vanadium	275		10.0	ug/L	250		110	80-120			
Zinc	535		10.0	ug/L	500		107	80-120			

Matrix Spike (1E16021-MS1) Prepared: 05/16/2011 13:30 Analyzed: 05/18/2011 12:23

Source: C104748-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	527		10.0	ug/L	500	2.80 U	105	75-125			
Barium	543		10.0	ug/L	500	13.4	106	75-125			
Beryllium	268		1.00	ug/L	250	0.100 U	107	75-125			
Cadmium	268		1.00	ug/L	250	0.360 U	107	75-125			
Chromium	531		10.0	ug/L	500	1.00 U	106	75-125			
Cobalt	517		10.0	ug/L	500	1.10 U	103	75-125			
Copper	269		10.0	ug/L	250	1.60 U	108	75-125			
Lead	525		10.0	ug/L	500	2.37	105	75-125			
Nickel	518		10.0	ug/L	500	1.80 U	104	75-125			
Silver	273		10.0	ug/L	250	1.90 U	109	75-125			
Vanadium	272		10.0	ug/L	250	1.40 U	109	75-125			
Zinc	526		10.0	ug/L	500	3.80 U	105	75-125			

Matrix Spike Dup (1E16021-MSD1) Prepared: 05/16/2011 13:30 Analyzed: 05/18/2011 12:25

Source: C104748-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	516		10.0	ug/L	500	2.80 U	103	75-125	2	20	
Barium	539		10.0	ug/L	500	13.4	105	75-125	0.9	20	
Beryllium	266		1.00	ug/L	250	0.100 U	106	75-125	0.7	20	
Cadmium	266		1.00	ug/L	250	0.360 U	106	75-125	0.8	20	
Chromium	526		10.0	ug/L	500	1.00 U	105	75-125	0.9	20	
Cobalt	514		10.0	ug/L	500	1.10 U	103	75-125	0.7	20	
Copper	267		10.0	ug/L	250	1.60 U	107	75-125	0.6	20	
Lead	518		10.0	ug/L	500	2.37	103	75-125	1	20	
Nickel	513		10.0	ug/L	500	1.80 U	103	75-125	1	20	
Silver	270		10.0	ug/L	250	1.90 U	108	75-125	0.9	20	
Vanadium	269		10.0	ug/L	250	1.40 U	108	75-125	1	20	
Zinc	521		10.0	ug/L	500	3.80 U	104	75-125	0.8	20	

Post Spike (1E16021-PS1) Prepared: 05/16/2011 13:30 Analyzed: 05/18/2011 12:27

Source: C104748-01

QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 1E16021 - EPA 3005A

Post Spike (1E16021-PS1) Continued Prepared: 05/16/2011 13:30 Analyzed: 05/18/2011 12:27

Source: C104748-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1.00		0.0100	mg/L	1.00	-9.93E-5	100	80-120			
Barium	1.02		0.0100	mg/L	1.00	0.0134	100	80-120			
Beryllium	0.520		0.00100	mg/L	0.500	-0.000209	104	80-120			
Cadmium	0.508		0.00100	mg/L	0.500	3.38E-5	102	80-120			
Chromium	1.01		0.0100	mg/L	1.00	0.000230	101	80-120			
Cobalt	0.977		0.0100	mg/L	1.00	-0.000626	98	80-120			
Copper	0.509		0.0100	mg/L	0.500	-0.00124	102	80-120			
Lead	1.00		0.0100	mg/L	1.00	0.00237	100	80-120			
Nickel	0.978		0.0100	mg/L	1.00	-0.000637	98	80-120			
Silver	0.512		0.0100	mg/L	0.500	0.000479	102	80-120			
Vanadium	0.514		0.0100	mg/L	0.500	0.000149	103	80-120			
Zinc	0.997		0.0100	mg/L	1.00	0.00288	99	80-120			

Batch 1E19029 - EPA 3005A

Blank (1E19029-BLK1) Prepared: 05/19/2011 16:36 Analyzed: 05/24/2011 13:11

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.220	U	2.00	ug/L							
Selenium	0.830	U	1.00	ug/L							
Thallium	0.110	U	1.00	ug/L							

LCS (1E19029-BS1) Prepared: 05/19/2011 16:36 Analyzed: 05/24/2011 13:14

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	26.8		2.00	ug/L	25.0		107	80-120			
Selenium	26.1		1.00	ug/L	25.0		104	80-120			
Thallium	25.6		1.00	ug/L	25.0		102	80-120			

Matrix Spike (1E19029-MS1) Prepared: 05/19/2011 16:36 Analyzed: 05/24/2011 13:29

Source: C105614-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	25.6		2.00	ug/L	25.0	0.220 U	102	80-120			
Selenium	24.7		1.00	ug/L	25.0	0.830 U	99	80-120			
Thallium	23.4		1.00	ug/L	25.0	0.110 U	94	80-120			

Matrix Spike Dup (1E19029-MSD1) Prepared: 05/19/2011 16:36 Analyzed: 05/24/2011 13:33

Source: C105614-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	26.2		2.00	ug/L	25.0	0.220 U	105	80-120	2	20	
Selenium	25.6		1.00	ug/L	25.0	0.830 U	102	80-120	3	20	
Thallium	24.1		1.00	ug/L	25.0	0.110 U	96	80-120	3	20	

Post Spike (1E19029-PS1) Prepared: 05/19/2011 16:36 Analyzed: 05/24/2011 13:37

QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 1E19029 - EPA 3005A

Post Spike (1E19029-PS1) Continued Prepared: 05/19/2011 16:36 Analyzed: 05/24/2011 13:37

Source: C105614-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	25.3		2.00	ug/L	25.0	0.0370	101	80-120			
Selenium	23.8		1.00	ug/L	25.0	0.600	93	80-120			
Thallium	22.7		1.00	ug/L	25.0	-1.15	95	80-120			

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.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
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) 850-0945

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

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

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Page 1 of 1

Client Name: S&ME, Inc. (SM004)	Project Number: [none]
Address: 3718 Old Battleground Rd.	Project Name/Desc: White Street Landfill
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 Simcoy	Billing Contact: Accounts Payable
Sampler(s) Signature:	Site Location / Time Zone

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: C105307

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
	SU-1	5/12/11	1615	G	GW	4	X	X									
	SU-2	5/12/11	1545	G	GW	4	X	X									
	~~SU-3~~				~~GW~~	~~4~~	~~X~~	~~X~~									
	~~SU-4~~				~~GW~~	~~4~~	~~X~~	~~X~~									
	SW-1	5/12/11	1435	G	GW	4	X	X									
	SW-2	5/12/11	1330	G	GW	4	X	X									
	SW-3	5/12/11	1410	G	GW	4	X	X									
	SW-4	5/12/11	1300	G	GW	4	X	X									
	SW-5	5/12/11	1510	G	GW	4	X	X									

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
JK	5-4-11		5/12/11	Briana Gregory	5/13/11 12:30
Comments/Special Reporting Requirements		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time

Cooler #'s & Temps on Receipt: SM-Red C-793 1.5°C C-804 1.7°C

Condition Upon Receipt: X Acceptable ___ Unacceptable

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

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

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

Wednesday, May 25, 2011

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 App Is (Phase II)
ENCO Workorder: C105309

Dear Edmund Henriques,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Wednesday, May 11, 2011.

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 59.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: 4103-II1 | **Lab ID: C105309-01** | **Sampled: 05/09/11 11:05** | **Received: 05/11/11 10:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	11/05/11	05/11/11 14:07	5/12/2011 10:49
EPA 6020A	11/05/11	05/12/11 09:26	5/17/2011 13:12
EPA 8260B	05/23/11	05/15/11 13:25	5/16/2011 02:53

Client ID: 4103-II2 | **Lab ID: C105309-02** | **Sampled: 05/09/11 14:00** | **Received: 05/11/11 10:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	11/05/11	05/11/11 14:07	5/12/2011 11:23
EPA 6020A	11/05/11	05/12/11 09:26	5/17/2011 13:16
EPA 8260B	05/23/11	05/15/11 13:25	5/16/2011 03:23

Client ID: 4103-II3 | **Lab ID: C105309-03** | **Sampled: 05/09/11 15:20** | **Received: 05/11/11 10:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	11/05/11	05/11/11 14:07	5/12/2011 11:52
EPA 6020A	11/05/11	05/12/11 09:26	5/17/2011 13:19
EPA 8260B	05/23/11	05/15/11 13:25	5/16/2011 03:52

Client ID: 4103-II4 | **Lab ID: C105309-04** | **Sampled: 05/10/11 09:00** | **Received: 05/11/11 10:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	11/06/11	05/11/11 14:07	5/12/2011 11:54
EPA 6020A	11/06/11	05/12/11 09:26	5/17/2011 13:23
EPA 8260B	05/24/11	05/17/11 13:13	5/18/2011 02:13

Client ID: 4103-II5 | **Lab ID: C105309-05** | **Sampled: 05/09/11 16:30** | **Received: 05/11/11 10:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	11/05/11	05/11/11 14:07	5/12/2011 11:56
EPA 6020A	11/05/11	05/12/11 09:26	5/17/2011 12:38
EPA 8260B	05/23/11	05/15/11 13:25	5/16/2011 04:21

Client ID: 4103-II6 | **Lab ID: C105309-06** | **Sampled: 05/09/11 10:05** | **Received: 05/11/11 10:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	11/05/11	05/11/11 14:07	5/12/2011 11:58
EPA 6020A	11/05/11	05/12/11 09:26	5/17/2011 13:27
EPA 8260B	05/23/11	05/15/11 13:25	5/16/2011 04:50

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Client ID: 4103-II7	Lab ID: C105309-07	Sampled: 05/09/11 12:45	Received: 05/11/11 10:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	11/05/11	05/11/11 14:07	5/12/2011 12:00
EPA 6020A	11/05/11	05/12/11 09:26	5/17/2011 13:31
EPA 8260B	05/23/11	05/15/11 13:25	5/16/2011 05:19

Client ID: 4103-II7B	Lab ID: C105309-08	Sampled: 05/09/11 12:05	Received: 05/11/11 10:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	11/05/11	05/11/11 14:07	5/12/2011 12:02
EPA 6020A	11/05/11	05/12/11 09:26	5/17/2011 13:34
EPA 8260B	05/23/11	05/15/11 13:25	5/16/2011 05:49

Client ID: 4103-II8	Lab ID: C105309-09	Sampled: 05/09/11 09:00	Received: 05/11/11 10:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	11/05/11	05/11/11 14:07	5/12/2011 12:05
EPA 6020A	11/05/11	05/12/11 09:26	5/17/2011 13:46
EPA 8260B	05/23/11	05/15/11 13:25	5/16/2011 06:18

Client ID: 4103-II12	Lab ID: C105309-10	Sampled: 05/10/11 12:45	Received: 05/11/11 10:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	11/06/11	05/11/11 14:07	5/12/2011 12:08
EPA 6020A	11/06/11	05/12/11 09:26	5/17/2011 13:58
EPA 8260B	05/24/11	05/18/11 07:36	5/18/2011 21:24

Client ID: 4103-MW13	Lab ID: C105309-11	Sampled: 05/10/11 11:15	Received: 05/11/11 10:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	11/06/11	05/11/11 14:07	5/12/2011 12:10
EPA 6020A	11/06/11	05/12/11 09:26	5/17/2011 14:02
EPA 8260B	05/24/11	05/18/11 07:36	5/18/2011 21:54

Client ID: 4103-MW14	Lab ID: C105309-12	Sampled: 05/10/11 10:10	Received: 05/11/11 10:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	11/06/11	05/11/11 14:07	5/12/2011 12:12
EPA 6020A	11/06/11	05/12/11 09:26	5/17/2011 14:05
EPA 8260B	05/24/11	05/18/11 07:36	5/18/2011 22:24

Client ID: 4103-DUPLICATEII	Lab ID: C105309-13	Sampled: 05/09/11 08:00	Received: 05/11/11 10:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	11/05/11	05/11/11 14:07	5/12/2011 12:21
EPA 6020A	11/05/11	05/12/11 09:26	5/17/2011 14:09
EPA 8260B	05/23/11	05/15/11 13:25	5/16/2011 06:47

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Client ID: 4103-TripBlank#2	Lab ID: G105309-14	Sampled: 05/09/11 08:00	Received: 05/11/11 10:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	05/23/11	05/15/11 13:25	5/16/2011 07:16

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NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: 4103-II1 **Lab ID: C105309-01**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	1.1	J	1	0.080	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	4.0		1	0.79	1.0	1	ug/L	EPA 8260B	
Antimony - Total	0.365	J	1	0.220	2.00	6	ug/L	EPA 6020A	
Barium - Total	415		1	1.00	10.0	100	ug/L	EPA 6010C	
Benzene	0.78	J	1	0.68	1.0	1	ug/L	EPA 8260B	
Chlorobenzene	1.2	J	1	0.74	1.0	3	ug/L	EPA 8260B	
Chromium - Total	4.93	J	1	1.00	10.0	10	ug/L	EPA 6010C	
cis-1,2-Dichloroethene	0.88	J	1	0.72	1.0	5	ug/L	EPA 8260B	
Cobalt - Total	22.4		1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	17.3		1	1.60	10.0	10	ug/L	EPA 6010C	
Nickel - Total	20.2	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Selenium - Total	29.9		1	0.830	1.00	10	ug/L	EPA 6020A	
Silver - Total	2.84	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Zinc - Total	5.52	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4103-II2 **Lab ID: C105309-02**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	16		1	0.080	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	0.87	J	1	0.79	1.0	1	ug/L	EPA 8260B	
Barium - Total	53.5	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chlorobenzene	0.78	J	1	0.74	1.0	3	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	21		1	0.72	1.0	5	ug/L	EPA 8260B	
Selenium - Total	6.46	J	1	0.830	1.00	10	ug/L	EPA 6020A	
Tetrachloroethene	2.9		1	0.73	1.0	1	ug/L	EPA 8260B	
Trichloroethene	3.3		1	0.72	1.0	1	ug/L	EPA 8260B	
Trichlorofluoromethane	1.2		1	0.66	1.0	1	ug/L	EPA 8260B	
Vanadium - Total	3.11	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Vinyl chloride	5.1		1	0.60	1.0	1	ug/L	EPA 8260B	

Client ID: 4103-II3 **Lab ID: C105309-03**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	14		1	0.080	1.0	5	ug/L	EPA 8260B	
Barium - Total	207		1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total	1.87	J	1	1.00	10.0	10	ug/L	EPA 6010C	
cis-1,2-Dichloroethene	1.7	J	1	0.72	1.0	5	ug/L	EPA 8260B	
Cobalt - Total	21.2		1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	1.79	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Nickel - Total	10.9	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Selenium - Total	6.00	J	1	0.830	1.00	10	ug/L	EPA 6020A	

Client ID: 4103-II4 **Lab ID: C105309-04**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	2.1	J	1	0.080	1.0	5	ug/L	EPA 8260B	
Barium - Total	389		1	1.00	10.0	100	ug/L	EPA 6010C	
Beryllium - Total	0.143	J	1	0.100	1.00	1	ug/L	EPA 6010C	
Chromium - Total	1.67	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Cobalt - Total	9.26	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	20.8		1	1.60	10.0	10	ug/L	EPA 6010C	
Nickel - Total	12.3	J	1	1.80	10.0	50	ug/L	EPA 6010C	

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Client ID: 4103-II4 **Lab ID: C105309-04**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Selenium - Total	4.65	J	1	0.830	1.00	10	ug/L	EPA 6020A	
Vanadium - Total	33.7		1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	39.9		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4103-II5 **Lab ID: C105309-05**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	91.4	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Cobalt - Total	5.86	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	2.89	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Nickel - Total	3.66	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Selenium - Total	1.91	J	1	0.830	1.00	10	ug/L	EPA 6020A	
Vanadium - Total	6.65	J	1	1.40	10.0	25	ug/L	EPA 6010C	

Client ID: 4103-II6 **Lab ID: C105309-06**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	104		1	1.00	10.0	100	ug/L	EPA 6010C	
Cobalt - Total	4.91	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	2.46	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Nickel - Total	9.44	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Selenium - Total	4.76	J	1	0.830	1.00	10	ug/L	EPA 6020A	

Client ID: 4103-II7 **Lab ID: C105309-07**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	13.1	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total	1.04	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Selenium - Total	1.08	J	1	0.830	1.00	10	ug/L	EPA 6020A	

Client ID: 4103-II7B **Lab ID: C105309-08**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	10.6	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Copper - Total	1.81	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Selenium - Total	1.10	J	1	0.830	1.00	10	ug/L	EPA 6020A	
Vanadium - Total	9.54	J	1	1.40	10.0	25	ug/L	EPA 6010C	

Client ID: 4103-II8 **Lab ID: C105309-09**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	0.79	J	1	0.080	1.0	5	ug/L	EPA 8260B	
Barium - Total	105		1	1.00	10.0	100	ug/L	EPA 6010C	
Chlorobenzene	2.3	J	1	0.74	1.0	3	ug/L	EPA 8260B	
Chromium - Total	1.42	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Nickel - Total	17.7	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Selenium - Total	24.7		1	0.830	1.00	10	ug/L	EPA 6020A	
Silver - Total	2.28	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Vanadium - Total	1.80	J	1	1.40	10.0	25	ug/L	EPA 6010C	

Client ID: 4103-II12 **Lab ID: C105309-10**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	16	J	1	1.2	5.0	100	ug/L	EPA 8260B	
Barium - Total	397		1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total	1.17	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Cobalt - Total	8.16	J	1	1.10	10.0	10	ug/L	EPA 6010C	

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Client ID: 4103-II12 **Lab ID: C105309-10**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Nickel - Total	11.2	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Selenium - Total	3.38	J	1	0.830	1.00	10	ug/L	EPA 6020A	

Client ID: 4103-MW13 **Lab ID: C105309-11**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	108		1	1.00	10.0	100	ug/L	EPA 6010C	
Selenium - Total	1.07	J	1	0.830	1.00	10	ug/L	EPA 6020A	
Vanadium - Total	3.84	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	4.92	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4103-MW14 **Lab ID: C105309-12**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Arsenic - Total	3.08	JB	1	2.80	10.0	10	ug/L	EPA 6010C	J-01
Barium - Total	12.3	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Beryllium - Total	0.100	J	1	0.100	1.00	1	ug/L	EPA 6010C	
Chromium - Total	4.26	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Zinc - Total	7.58	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4103-DUPLICATEII **Lab ID: C105309-13**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Arsenic - Total	3.11	JB	1	2.80	10.0	10	ug/L	EPA 6010C	J-01
Barium - Total	13.4	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total	1.68	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Selenium - Total	1.04	J	1	0.830	1.00	10	ug/L	EPA 6020A	

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ANALYTICAL RESULTS

Description: 4103-II1
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-01
Sampled: 05/09/11 11:05
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	05/16/11 02:53	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	05/16/11 02:53	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	05/16/11 02:53	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 02:53	JKG	
1,1-Dichloroethane [75-34-3] ^	**1.1**	J	ug/L	1	0.080	1.0	5	EPA 8260B	05/16/11 02:53	JKG	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	05/16/11 02:53	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/16/11 02:53	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/16/11 02:53	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 02:53	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	05/16/11 02:53	JKG	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	05/16/11 02:53	JKG	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	05/16/11 02:53	JKG	
1,4-Dichlorobenzene [106-46-7] ^	**4.0**		ug/L	1	0.79	1.0	1	EPA 8260B	05/16/11 02:53	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	05/16/11 02:53	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	05/16/11 02:53	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/16/11 02:53	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	05/16/11 02:53	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	05/16/11 02:53	JKG	
Benzene [71-43-2] ^	**0.78**	J	ug/L	1	0.68	1.0	1	EPA 8260B	05/16/11 02:53	JKG	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	05/16/11 02:53	JKG	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	05/16/11 02:53	JKG	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	05/16/11 02:53	JKG	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	05/16/11 02:53	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/16/11 02:53	JKG	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	05/16/11 02:53	JKG	
Chlorobenzene [108-90-7] ^	**1.2**	J	ug/L	1	0.74	1.0	3	EPA 8260B	05/16/11 02:53	JKG	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	05/16/11 02:53	JKG	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	05/16/11 02:53	JKG	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	05/16/11 02:53	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	**0.88**	J	ug/L	1	0.72	1.0	5	EPA 8260B	05/16/11 02:53	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	05/16/11 02:53	JKG	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	05/16/11 02:53	JKG	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	05/16/11 02:53	JKG	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	05/16/11 02:53	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	05/16/11 02:53	JKG	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/16/11 02:53	JKG	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	05/16/11 02:53	JKG	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	05/16/11 02:53	JKG	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	05/16/11 02:53	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	05/16/11 02:53	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	05/16/11 02:53	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	05/16/11 02:53	JKG	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/16/11 02:53	JKG	

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Description: 4103-II1
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-01
Sampled: 05/09/11 11:05
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 02:53	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	05/16/11 02:53	JKG	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	05/16/11 02:53	JKG	
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	05/16/11 02:53	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*51*	*1*	*50.0*	*101 %*	*51-122*	*1E15003*	*EPA 8260B*	*05/16/11 02:53*	*JKG*	
Dibromofluoromethane	*44*	*1*	*50.0*	*88 %*	*68-117*	*1E15003*	*EPA 8260B*	*05/16/11 02:53*	*JKG*	
Toluene-d8	*46*	*1*	*50.0*	*93 %*	*69-110*	*1E15003*	*EPA 8260B*	*05/16/11 02:53*	*JKG*	

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Description: 4103-II1 | **Lab Sample ID:** C105309-01 | **Received:** 05/11/11 10:00

Matrix: Ground Water | **Sampled:** 05/09/11 11:05 | **Work Order:** C105309

Project: White Street Landfill App Is (Phase II) | **Sampled By:** Gary Simcox

Metals (total recoverable) 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] ^	**0.365**	J	ug/L	1	0.220	2.00	6	EPA 6020A	05/17/11 13:12	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	05/12/11 10:49	JDH	
Barium [7440-39-3] ^	**415**		ug/L	1	1.00	10.0	100	EPA 6010C	05/12/11 10:49	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	05/12/11 10:49	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	05/12/11 10:49	JDH	
Chromium [7440-47-3] ^	**4.93**	J	ug/L	1	1.00	10.0	10	EPA 6010C	05/12/11 10:49	JDH	
Cobalt [7440-48-4] ^	**22.4**		ug/L	1	1.10	10.0	10	EPA 6010C	05/12/11 10:49	JDH	
Copper [7440-50-8] ^	**17.3**		ug/L	1	1.60	10.0	10	EPA 6010C	05/12/11 10:49	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/12/11 10:49	JDH	
Nickel [7440-02-0] ^	**20.2**	J	ug/L	1	1.80	10.0	50	EPA 6010C	05/12/11 10:49	JDH	
Selenium [7782-49-2] ^	**29.9**		ug/L	1	0.830	1.00	10	EPA 6020A	05/17/11 13:12	VLO	
Silver [7440-22-4] ^	**2.84**	J	ug/L	1	1.90	10.0	10	EPA 6010C	05/12/11 10:49	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	05/17/11 13:12	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	05/12/11 10:49	JDH	
Zinc [7440-66-6] ^	**5.52**	J	ug/L	1	3.80	10.0	10	EPA 6010C	05/12/11 10:49	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: 4103-II2 | **Lab Sample ID:** C105309-02 | **Received:** 05/11/11 10:00

Matrix: Ground Water | **Sampled:** 05/09/11 14:00 | **Work Order:** C105309

Project: White Street Landfill App Is (Phase II) | **Sampled By:** Gary Simcox

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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	05/16/11 03:23	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	05/16/11 03:23	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	05/16/11 03:23	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 03:23	JKG	
1,1-Dichloroethane [75-34-3] ^	**16**		ug/L	1	0.080	1.0	5	EPA 8260B	05/16/11 03:23	JKG	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	05/16/11 03:23	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/16/11 03:23	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/16/11 03:23	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 03:23	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	05/16/11 03:23	JKG	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	05/16/11 03:23	JKG	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	05/16/11 03:23	JKG	
1,4-Dichlorobenzene [106-46-7] ^	**0.87**	J	ug/L	1	0.79	1.0	1	EPA 8260B	05/16/11 03:23	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	05/16/11 03:23	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	05/16/11 03:23	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/16/11 03:23	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	05/16/11 03:23	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	05/16/11 03:23	JKG	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	05/16/11 03:23	JKG	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	05/16/11 03:23	JKG	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	05/16/11 03:23	JKG	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	05/16/11 03:23	JKG	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	05/16/11 03:23	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/16/11 03:23	JKG	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	05/16/11 03:23	JKG	
Chlorobenzene [108-90-7] ^	**0.78**	J	ug/L	1	0.74	1.0	3	EPA 8260B	05/16/11 03:23	JKG	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	05/16/11 03:23	JKG	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	05/16/11 03:23	JKG	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	05/16/11 03:23	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	**21**		ug/L	1	0.72	1.0	5	EPA 8260B	05/16/11 03:23	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	05/16/11 03:23	JKG	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	05/16/11 03:23	JKG	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	05/16/11 03:23	JKG	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	05/16/11 03:23	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	05/16/11 03:23	JKG	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/16/11 03:23	JKG	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	05/16/11 03:23	JKG	
Tetrachloroethene [127-18-4] ^	**2.9**		ug/L	1	0.73	1.0	1	EPA 8260B	05/16/11 03:23	JKG	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	05/16/11 03:23	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	05/16/11 03:23	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	05/16/11 03:23	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	05/16/11 03:23	JKG	
Trichloroethene [79-01-6] ^	**3.3**		ug/L	1	0.72	1.0	1	EPA 8260B	05/16/11 03:23	JKG	
Trichlorofluoromethane [75-69-4] ^	**1.2**		ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 03:23	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	05/16/11 03:23	JKG	
Vinyl chloride [75-01-4] ^	**5.1**		ug/L	1	0.60	1.0	1	EPA 8260B	05/16/11 03:23	JKG	

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Description: 4103-II2
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-02
Sampled: 05/09/11 14:00
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	05/16/11 03:23	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*51*	*1*	*50.0*	*103 %*	*51-122*	*1E15003*	*EPA 8260B*	*05/16/11 03:23*	*JKG*	
Dibromofluoromethane	*44*	*1*	*50.0*	*88 %*	*68-117*	*1E15003*	*EPA 8260B*	*05/16/11 03:23*	*JKG*	
Toluene-d8	*48*	*1*	*50.0*	*95 %*	*69-110*	*1E15003*	*EPA 8260B*	*05/16/11 03:23*	*JKG*	

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Description: 4103-II2
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-02
Sampled: 05/09/11 14:00
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

Metals (total recoverable) 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] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	05/17/11 13:16	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	05/12/11 11:23	JDH	
Barium [7440-39-3] ^	**53.5**	J	ug/L	1	1.00	10.0	100	EPA 6010C	05/12/11 11:23	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	05/12/11 11:23	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	05/12/11 11:23	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	05/12/11 11:23	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	05/12/11 11:23	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	05/12/11 11:23	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/12/11 11:23	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	05/12/11 11:23	JDH	
Selenium [7782-49-2] ^	**6.46**	J	ug/L	1	0.830	1.00	10	EPA 6020A	05/17/11 13:16	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/12/11 11:23	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	05/17/11 13:16	VLO	
Vanadium [7440-62-2] ^	**3.11**	J	ug/L	1	1.40	10.0	25	EPA 6010C	05/12/11 11:23	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	05/12/11 11:23	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: 4103-II3
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-03
Sampled: 05/09/11 15:20
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	05/16/11 03:52	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	05/16/11 03:52	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	05/16/11 03:52	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 03:52	JKG	
1,1-Dichloroethane [75-34-3] ^	**14**		ug/L	1	0.080	1.0	5	EPA 8260B	05/16/11 03:52	JKG	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	05/16/11 03:52	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/16/11 03:52	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/16/11 03:52	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 03:52	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	05/16/11 03:52	JKG	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	05/16/11 03:52	JKG	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	05/16/11 03:52	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	05/16/11 03:52	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	05/16/11 03:52	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	05/16/11 03:52	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/16/11 03:52	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	05/16/11 03:52	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	05/16/11 03:52	JKG	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	05/16/11 03:52	JKG	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	05/16/11 03:52	JKG	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	05/16/11 03:52	JKG	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	05/16/11 03:52	JKG	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	05/16/11 03:52	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/16/11 03:52	JKG	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	05/16/11 03:52	JKG	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	05/16/11 03:52	JKG	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	05/16/11 03:52	JKG	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	05/16/11 03:52	JKG	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	05/16/11 03:52	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	**1.7**	J	ug/L	1	0.72	1.0	5	EPA 8260B	05/16/11 03:52	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	05/16/11 03:52	JKG	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	05/16/11 03:52	JKG	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	05/16/11 03:52	JKG	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	05/16/11 03:52	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	05/16/11 03:52	JKG	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/16/11 03:52	JKG	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	05/16/11 03:52	JKG	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	05/16/11 03:52	JKG	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	05/16/11 03:52	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	05/16/11 03:52	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	05/16/11 03:52	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	05/16/11 03:52	JKG	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/16/11 03:52	JKG	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 03:52	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	05/16/11 03:52	JKG	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	05/16/11 03:52	JKG	

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Description: 4103-II3
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-03
Sampled: 05/09/11 15:20
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	05/16/11 03:52	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*46*	*1*	*50.0*	*91 %*	*51-122*	*1E15003*	*EPA 8260B*	*05/16/11 03:52*	*JKG*	
Dibromofluoromethane	*44*	*1*	*50.0*	*88 %*	*68-117*	*1E15003*	*EPA 8260B*	*05/16/11 03:52*	*JKG*	
Toluene-d8	*45*	*1*	*50.0*	*90 %*	*69-110*	*1E15003*	*EPA 8260B*	*05/16/11 03:52*	*JKG*	

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Description: 4103-II3
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-03
Sampled: 05/09/11 15:20
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

Metals (total recoverable) 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] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	05/17/11 13:19	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	05/12/11 11:52	JDH	
Barium [7440-39-3] ^	**207**		ug/L	1	1.00	10.0	100	EPA 6010C	05/12/11 11:52	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	05/12/11 11:52	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	05/12/11 11:52	JDH	
Chromium [7440-47-3] ^	**1.87**	J	ug/L	1	1.00	10.0	10	EPA 6010C	05/12/11 11:52	JDH	
Cobalt [7440-48-4] ^	**21.2**		ug/L	1	1.10	10.0	10	EPA 6010C	05/12/11 11:52	JDH	
Copper [7440-50-8] ^	**1.79**	J	ug/L	1	1.60	10.0	10	EPA 6010C	05/12/11 11:52	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/12/11 11:52	JDH	
Nickel [7440-02-0] ^	**10.9**	J	ug/L	1	1.80	10.0	50	EPA 6010C	05/12/11 11:52	JDH	
Selenium [7782-49-2] ^	**6.00**	J	ug/L	1	0.830	1.00	10	EPA 6020A	05/17/11 13:19	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/12/11 11:52	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	05/17/11 13:19	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	05/12/11 11:52	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	05/12/11 11:52	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: 4103-II4 | **Lab Sample ID:** C105309-04 | **Received:** 05/11/11 10:00

Matrix: Ground Water | **Sampled:** 05/10/11 09:00 | **Work Order:** C105309

Project: White Street Landfill App Is (Phase II) | **Sampled By:** Gary Simcox

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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	05/18/11 02:13	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	05/18/11 02:13	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	05/18/11 02:13	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/18/11 02:13	jkg	
1,1-Dichloroethane [75-34-3] ^	**2.1**	J	ug/L	1	0.080	1.0	5	EPA 8260B	05/18/11 02:13	jkg	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	05/18/11 02:13	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/18/11 02:13	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/18/11 02:13	jkg	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/18/11 02:13	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	05/18/11 02:13	jkg	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	05/18/11 02:13	jkg	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	05/18/11 02:13	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	05/18/11 02:13	jkg	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	05/18/11 02:13	jkg	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	05/18/11 02:13	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/18/11 02:13	jkg	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	05/18/11 02:13	jkg	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	05/18/11 02:13	jkg	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	05/18/11 02:13	jkg	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	05/18/11 02:13	jkg	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	05/18/11 02:13	jkg	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	05/18/11 02:13	jkg	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	05/18/11 02:13	jkg	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/18/11 02:13	jkg	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	05/18/11 02:13	jkg	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	05/18/11 02:13	jkg	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	05/18/11 02:13	jkg	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	05/18/11 02:13	jkg	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	05/18/11 02:13	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	05/18/11 02:13	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	05/18/11 02:13	jkg	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	05/18/11 02:13	jkg	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	05/18/11 02:13	jkg	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	05/18/11 02:13	jkg	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	05/18/11 02:13	jkg	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/18/11 02:13	jkg	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	05/18/11 02:13	jkg	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	05/18/11 02:13	jkg	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	05/18/11 02:13	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	05/18/11 02:13	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	05/18/11 02:13	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	05/18/11 02:13	jkg	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/18/11 02:13	jkg	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/18/11 02:13	jkg	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	05/18/11 02:13	jkg	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	05/18/11 02:13	jkg	

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Description: 4103-II4
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-04
Sampled: 05/10/11 09:00
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	05/18/11 02:13	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*49*	*1*	*50.0*	*98 %*	*51-122*	*1E17019*	*EPA 8260B*	*05/18/11 02:13*	*jkg*	
Dibromofluoromethane	*47*	*1*	*50.0*	*95 %*	*68-117*	*1E17019*	*EPA 8260B*	*05/18/11 02:13*	*jkg*	
Toluene-d8	*44*	*1*	*50.0*	*89 %*	*69-110*	*1E17019*	*EPA 8260B*	*05/18/11 02:13*	*jkg*	

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Description: 4103-II4
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-04
Sampled: 05/10/11 09:00
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

Metals (total recoverable) 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] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	05/17/11 13:23	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	05/12/11 11:54	JDH	
Barium [7440-39-3] ^	**389**		ug/L	1	1.00	10.0	100	EPA 6010C	05/12/11 11:54	JDH	
Beryllium [7440-41-7] ^	**0.143**	J	ug/L	1	0.100	1.00	1	EPA 6010C	05/12/11 11:54	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	05/12/11 11:54	JDH	
Chromium [7440-47-3] ^	**1.67**	J	ug/L	1	1.00	10.0	10	EPA 6010C	05/12/11 11:54	JDH	
Cobalt [7440-48-4] ^	**9.26**	J	ug/L	1	1.10	10.0	10	EPA 6010C	05/12/11 11:54	JDH	
Copper [7440-50-8] ^	**20.8**		ug/L	1	1.60	10.0	10	EPA 6010C	05/12/11 11:54	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/12/11 11:54	JDH	
Nickel [7440-02-0] ^	**12.3**	J	ug/L	1	1.80	10.0	50	EPA 6010C	05/12/11 11:54	JDH	
Selenium [7782-49-2] ^	**4.65**	J	ug/L	1	0.830	1.00	10	EPA 6020A	05/17/11 13:23	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/12/11 11:54	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	05/17/11 13:23	VLO	
Vanadium [7440-62-2] ^	**33.7**		ug/L	1	1.40	10.0	25	EPA 6010C	05/12/11 11:54	JDH	
Zinc [7440-66-6] ^	**39.9**		ug/L	1	3.80	10.0	10	EPA 6010C	05/12/11 11:54	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: 4103-II5
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-05
Sampled: 05/09/11 16:30
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	05/16/11 04:21	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	05/16/11 04:21	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	05/16/11 04:21	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 04:21	JKG	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	05/16/11 04:21	JKG	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	05/16/11 04:21	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/16/11 04:21	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/16/11 04:21	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 04:21	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	05/16/11 04:21	JKG	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	05/16/11 04:21	JKG	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	05/16/11 04:21	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	05/16/11 04:21	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	05/16/11 04:21	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	05/16/11 04:21	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/16/11 04:21	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	05/16/11 04:21	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	05/16/11 04:21	JKG	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	05/16/11 04:21	JKG	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	05/16/11 04:21	JKG	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	05/16/11 04:21	JKG	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	05/16/11 04:21	JKG	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	05/16/11 04:21	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/16/11 04:21	JKG	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	05/16/11 04:21	JKG	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	05/16/11 04:21	JKG	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	05/16/11 04:21	JKG	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	05/16/11 04:21	JKG	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	05/16/11 04:21	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	05/16/11 04:21	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	05/16/11 04:21	JKG	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	05/16/11 04:21	JKG	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	05/16/11 04:21	JKG	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	05/16/11 04:21	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	05/16/11 04:21	JKG	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/16/11 04:21	JKG	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	05/16/11 04:21	JKG	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	05/16/11 04:21	JKG	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	05/16/11 04:21	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	05/16/11 04:21	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	05/16/11 04:21	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	05/16/11 04:21	JKG	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/16/11 04:21	JKG	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 04:21	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	05/16/11 04:21	JKG	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	05/16/11 04:21	JKG	

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Description: 4103-II5 | **Lab Sample ID:** C105309-05 | **Received:** 05/11/11 10:00

Matrix: Ground Water | **Sampled:** 05/09/11 16:30 | **Work Order:** C105309

Project: White Street Landfill App Is (Phase II) | **Sampled By:** Gary Simcox

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	05/16/11 04:21	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*48*	*1*	*50.0*	*97 %*	*51-122*	*1E15003*	*EPA 8260B*	*05/16/11 04:21*	*JKG*	
Dibromofluoromethane	*43*	*1*	*50.0*	*86 %*	*68-117*	*1E15003*	*EPA 8260B*	*05/16/11 04:21*	*JKG*	
Toluene-d8	*46*	*1*	*50.0*	*92 %*	*69-110*	*1E15003*	*EPA 8260B*	*05/16/11 04:21*	*JKG*	

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Description: 4103-II5
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-05
Sampled: 05/09/11 16:30
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

Metals (total recoverable) 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] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	05/17/11 12:38	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	05/12/11 11:56	JDH	
Barium [7440-39-3] ^	**91.4**	J	ug/L	1	1.00	10.0	100	EPA 6010C	05/12/11 11:56	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	05/12/11 11:56	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	05/12/11 11:56	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	05/12/11 11:56	JDH	
Cobalt [7440-48-4] ^	**5.86**	J	ug/L	1	1.10	10.0	10	EPA 6010C	05/12/11 11:56	JDH	
Copper [7440-50-8] ^	**2.89**	J	ug/L	1	1.60	10.0	10	EPA 6010C	05/12/11 11:56	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/12/11 11:56	JDH	
Nickel [7440-02-0] ^	**3.66**	J	ug/L	1	1.80	10.0	50	EPA 6010C	05/12/11 11:56	JDH	
Selenium [7782-49-2] ^	**1.91**	J	ug/L	1	0.830	1.00	10	EPA 6020A	05/17/11 12:38	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/12/11 11:56	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	05/17/11 12:38	VLO	
Vanadium [7440-62-2] ^	**6.65**	J	ug/L	1	1.40	10.0	25	EPA 6010C	05/12/11 11:56	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	05/12/11 11:56	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: 4103-II6 | **Lab Sample ID:** C105309-06 | **Received:** 05/11/11 10:00

Matrix: Ground Water | **Sampled:** 05/09/11 10:05 | **Work Order:** C105309

Project: White Street Landfill App Is (Phase II) | **Sampled By:** Gary Simcox

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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	05/16/11 04:50	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	05/16/11 04:50	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	05/16/11 04:50	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 04:50	JKG	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	05/16/11 04:50	JKG	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	05/16/11 04:50	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/16/11 04:50	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/16/11 04:50	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 04:50	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	05/16/11 04:50	JKG	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	05/16/11 04:50	JKG	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	05/16/11 04:50	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	05/16/11 04:50	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	05/16/11 04:50	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	05/16/11 04:50	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/16/11 04:50	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	05/16/11 04:50	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	05/16/11 04:50	JKG	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	05/16/11 04:50	JKG	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	05/16/11 04:50	JKG	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	05/16/11 04:50	JKG	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	05/16/11 04:50	JKG	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	05/16/11 04:50	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/16/11 04:50	JKG	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	05/16/11 04:50	JKG	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	05/16/11 04:50	JKG	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	05/16/11 04:50	JKG	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	05/16/11 04:50	JKG	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	05/16/11 04:50	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	05/16/11 04:50	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	05/16/11 04:50	JKG	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	05/16/11 04:50	JKG	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	05/16/11 04:50	JKG	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	05/16/11 04:50	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	05/16/11 04:50	JKG	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/16/11 04:50	JKG	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	05/16/11 04:50	JKG	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	05/16/11 04:50	JKG	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	05/16/11 04:50	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	05/16/11 04:50	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	05/16/11 04:50	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	05/16/11 04:50	JKG	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/16/11 04:50	JKG	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 04:50	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	05/16/11 04:50	JKG	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	05/16/11 04:50	JKG	

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Description: 4103-II6
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-06
Sampled: 05/09/11 10:05
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	05/16/11 04:50	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*51*	*1*	*50.0*	*102 %*	*51-122*	*1E15003*	*EPA 8260B*	*05/16/11 04:50*	*JKG*	
Dibromofluoromethane	*43*	*1*	*50.0*	*85 %*	*68-117*	*1E15003*	*EPA 8260B*	*05/16/11 04:50*	*JKG*	
Toluene-d8	*49*	*1*	*50.0*	*99 %*	*69-110*	*1E15003*	*EPA 8260B*	*05/16/11 04:50*	*JKG*	

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Description: 4103-II6
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-06
Sampled: 05/09/11 10:05
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

Metals (total recoverable) 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] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	05/17/11 13:27	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	05/12/11 11:58	JDH	
Barium [7440-39-3] ^	**104**		ug/L	1	1.00	10.0	100	EPA 6010C	05/12/11 11:58	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	05/12/11 11:58	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	05/12/11 11:58	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	05/12/11 11:58	JDH	
Cobalt [7440-48-4] ^	**4.91**	J	ug/L	1	1.10	10.0	10	EPA 6010C	05/12/11 11:58	JDH	
Copper [7440-50-8] ^	**2.46**	J	ug/L	1	1.60	10.0	10	EPA 6010C	05/12/11 11:58	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/12/11 11:58	JDH	
Nickel [7440-02-0] ^	**9.44**	J	ug/L	1	1.80	10.0	50	EPA 6010C	05/12/11 11:58	JDH	
Selenium [7782-49-2] ^	**4.76**	J	ug/L	1	0.830	1.00	10	EPA 6020A	05/17/11 13:27	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/12/11 11:58	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	05/17/11 13:27	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	05/12/11 11:58	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	05/12/11 11:58	JDH	

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Description: 4103-II7
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-07
Sampled: 05/09/11 12:45
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	05/16/11 05:19	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	05/16/11 05:19	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	05/16/11 05:19	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 05:19	JKG	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	05/16/11 05:19	JKG	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	05/16/11 05:19	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/16/11 05:19	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/16/11 05:19	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 05:19	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	05/16/11 05:19	JKG	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	05/16/11 05:19	JKG	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	05/16/11 05:19	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	05/16/11 05:19	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	05/16/11 05:19	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	05/16/11 05:19	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/16/11 05:19	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	05/16/11 05:19	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	05/16/11 05:19	JKG	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	05/16/11 05:19	JKG	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	05/16/11 05:19	JKG	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	05/16/11 05:19	JKG	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	05/16/11 05:19	JKG	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	05/16/11 05:19	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/16/11 05:19	JKG	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	05/16/11 05:19	JKG	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	05/16/11 05:19	JKG	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	05/16/11 05:19	JKG	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	05/16/11 05:19	JKG	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	05/16/11 05:19	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	05/16/11 05:19	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	05/16/11 05:19	JKG	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	05/16/11 05:19	JKG	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	05/16/11 05:19	JKG	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	05/16/11 05:19	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	05/16/11 05:19	JKG	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/16/11 05:19	JKG	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	05/16/11 05:19	JKG	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	05/16/11 05:19	JKG	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	05/16/11 05:19	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	05/16/11 05:19	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	05/16/11 05:19	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	05/16/11 05:19	JKG	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/16/11 05:19	JKG	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 05:19	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	05/16/11 05:19	JKG	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	05/16/11 05:19	JKG	

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Description: 4103-II7
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-07
Sampled: 05/09/11 12:45
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	05/16/11 05:19	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*49*	*1*	*50.0*	*98 %*	*51-122*	*1E15003*	*EPA 8260B*	*05/16/11 05:19*	*JKG*	
Dibromofluoromethane	*44*	*1*	*50.0*	*87 %*	*68-117*	*1E15003*	*EPA 8260B*	*05/16/11 05:19*	*JKG*	
Toluene-d8	*47*	*1*	*50.0*	*93 %*	*69-110*	*1E15003*	*EPA 8260B*	*05/16/11 05:19*	*JKG*	

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Description: 4103-II7
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-07
Sampled: 05/09/11 12:45
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

Metals (total recoverable) 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] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	05/17/11 13:31	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	05/12/11 12:00	JDH	
Barium [7440-39-3] ^	**13.1**	J	ug/L	1	1.00	10.0	100	EPA 6010C	05/12/11 12:00	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	05/12/11 12:00	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	05/12/11 12:00	JDH	
Chromium [7440-47-3] ^	**1.04**	J	ug/L	1	1.00	10.0	10	EPA 6010C	05/12/11 12:00	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	05/12/11 12:00	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	05/12/11 12:00	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/12/11 12:00	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	05/12/11 12:00	JDH	
Selenium [7782-49-2] ^	**1.08**	J	ug/L	1	0.830	1.00	10	EPA 6020A	05/17/11 13:31	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/12/11 12:00	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	05/17/11 13:31	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	05/12/11 12:00	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	05/12/11 12:00	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: 4103-II7B
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-08
Sampled: 05/09/11 12:05
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	05/16/11 05:49	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	05/16/11 05:49	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	05/16/11 05:49	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 05:49	JKG	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	05/16/11 05:49	JKG	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	05/16/11 05:49	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/16/11 05:49	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/16/11 05:49	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 05:49	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	05/16/11 05:49	JKG	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	05/16/11 05:49	JKG	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	05/16/11 05:49	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	05/16/11 05:49	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	05/16/11 05:49	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	05/16/11 05:49	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/16/11 05:49	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	05/16/11 05:49	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	05/16/11 05:49	JKG	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	05/16/11 05:49	JKG	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	05/16/11 05:49	JKG	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	05/16/11 05:49	JKG	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	05/16/11 05:49	JKG	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	05/16/11 05:49	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/16/11 05:49	JKG	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	05/16/11 05:49	JKG	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	05/16/11 05:49	JKG	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	05/16/11 05:49	JKG	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	05/16/11 05:49	JKG	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	05/16/11 05:49	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	05/16/11 05:49	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	05/16/11 05:49	JKG	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	05/16/11 05:49	JKG	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	05/16/11 05:49	JKG	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	05/16/11 05:49	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	05/16/11 05:49	JKG	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/16/11 05:49	JKG	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	05/16/11 05:49	JKG	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	05/16/11 05:49	JKG	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	05/16/11 05:49	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	05/16/11 05:49	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	05/16/11 05:49	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	05/16/11 05:49	JKG	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/16/11 05:49	JKG	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 05:49	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	05/16/11 05:49	JKG	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	05/16/11 05:49	JKG	

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Description: 4103-II7B
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-08
Sampled: 05/09/11 12:05
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	05/16/11 05:49	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*48*	*1*	*50.0*	*96 %*	*51-122*	*1E15003*	*EPA 8260B*	*05/16/11 05:49*	*JKG*	
Dibromofluoromethane	*41*	*1*	*50.0*	*82 %*	*68-117*	*1E15003*	*EPA 8260B*	*05/16/11 05:49*	*JKG*	
Toluene-d8	*48*	*1*	*50.0*	*95 %*	*69-110*	*1E15003*	*EPA 8260B*	*05/16/11 05:49*	*JKG*	

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Description: 4103-II7B
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-08
Sampled: 05/09/11 12:05
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

Metals (total recoverable) 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] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	05/17/11 13:34	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	05/12/11 12:02	JDH	
Barium [7440-39-3] ^	**10.6**	J	ug/L	1	1.00	10.0	100	EPA 6010C	05/12/11 12:02	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	05/12/11 12:02	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	05/12/11 12:02	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	05/12/11 12:02	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	05/12/11 12:02	JDH	
Copper [7440-50-8] ^	**1.81**	J	ug/L	1	1.60	10.0	10	EPA 6010C	05/12/11 12:02	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/12/11 12:02	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	05/12/11 12:02	JDH	
Selenium [7782-49-2] ^	**1.10**	J	ug/L	1	0.830	1.00	10	EPA 6020A	05/17/11 13:34	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/12/11 12:02	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	05/17/11 13:34	VLO	
Vanadium [7440-62-2] ^	**9.54**	J	ug/L	1	1.40	10.0	25	EPA 6010C	05/12/11 12:02	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	05/12/11 12:02	JDH	

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Description: 4103-II8
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-09
Sampled: 05/09/11 09:00
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	05/16/11 06:18	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	05/16/11 06:18	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	05/16/11 06:18	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 06:18	JKG	
1,1-Dichloroethane [75-34-3] ^	**0.79**	J	ug/L	1	0.080	1.0	5	EPA 8260B	05/16/11 06:18	JKG	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	05/16/11 06:18	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/16/11 06:18	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/16/11 06:18	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 06:18	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	05/16/11 06:18	JKG	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	05/16/11 06:18	JKG	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	05/16/11 06:18	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	05/16/11 06:18	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	05/16/11 06:18	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	05/16/11 06:18	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/16/11 06:18	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	05/16/11 06:18	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	05/16/11 06:18	JKG	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	05/16/11 06:18	JKG	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	05/16/11 06:18	JKG	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	05/16/11 06:18	JKG	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	05/16/11 06:18	JKG	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	05/16/11 06:18	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/16/11 06:18	JKG	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	05/16/11 06:18	JKG	
Chlorobenzene [108-90-7] ^	**2.3**	J	ug/L	1	0.74	1.0	3	EPA 8260B	05/16/11 06:18	JKG	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	05/16/11 06:18	JKG	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	05/16/11 06:18	JKG	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	05/16/11 06:18	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	05/16/11 06:18	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	05/16/11 06:18	JKG	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	05/16/11 06:18	JKG	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	05/16/11 06:18	JKG	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	05/16/11 06:18	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	05/16/11 06:18	JKG	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/16/11 06:18	JKG	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	05/16/11 06:18	JKG	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	05/16/11 06:18	JKG	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	05/16/11 06:18	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	05/16/11 06:18	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	05/16/11 06:18	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	05/16/11 06:18	JKG	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/16/11 06:18	JKG	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 06:18	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	05/16/11 06:18	JKG	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	05/16/11 06:18	JKG	

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Description: 4103-II8
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-09
Sampled: 05/09/11 09:00
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	05/16/11 06:18	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*51*	*1*	*50.0*	*102 %*	*51-122*	*1E15003*	*EPA 8260B*	*05/16/11 06:18*	*JKG*	
Dibromofluoromethane	*47*	*1*	*50.0*	*93 %*	*68-117*	*1E15003*	*EPA 8260B*	*05/16/11 06:18*	*JKG*	
Toluene-d8	*47*	*1*	*50.0*	*94 %*	*69-110*	*1E15003*	*EPA 8260B*	*05/16/11 06:18*	*JKG*	

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Description: 4103-II8
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-09
Sampled: 05/09/11 09:00
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

Metals (total recoverable) 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] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	05/17/11 13:46	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	05/12/11 12:05	JDH	
Barium [7440-39-3] ^	**105**		ug/L	1	1.00	10.0	100	EPA 6010C	05/12/11 12:05	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	05/12/11 12:05	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	05/12/11 12:05	JDH	
Chromium [7440-47-3] ^	**1.42**	J	ug/L	1	1.00	10.0	10	EPA 6010C	05/12/11 12:05	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	05/12/11 12:05	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	05/12/11 12:05	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/12/11 12:05	JDH	
Nickel [7440-02-0] ^	**17.7**	J	ug/L	1	1.80	10.0	50	EPA 6010C	05/12/11 12:05	JDH	
Selenium [7782-49-2] ^	**24.7**		ug/L	1	0.830	1.00	10	EPA 6020A	05/17/11 13:46	VLO	
Silver [7440-22-4] ^	**2.28**	J	ug/L	1	1.90	10.0	10	EPA 6010C	05/12/11 12:05	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	05/17/11 13:46	VLO	
Vanadium [7440-62-2] ^	**1.80**	J	ug/L	1	1.40	10.0	25	EPA 6010C	05/12/11 12:05	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	05/12/11 12:05	JDH	

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Description: 4103-II12
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-10
Sampled: 05/10/11 12:45
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	05/18/11 21:24	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	05/18/11 21:24	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	05/18/11 21:24	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/18/11 21:24	jkg	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	05/18/11 21:24	jkg	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	05/18/11 21:24	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/18/11 21:24	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/18/11 21:24	jkg	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/18/11 21:24	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	05/18/11 21:24	jkg	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	05/18/11 21:24	jkg	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	05/18/11 21:24	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	05/18/11 21:24	jkg	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	05/18/11 21:24	jkg	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	05/18/11 21:24	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/18/11 21:24	jkg	
Acetone [67-64-1] ^	**16**	J	ug/L	1	1.2	5.0	100	EPA 8260B	05/18/11 21:24	jkg	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	05/18/11 21:24	jkg	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	05/18/11 21:24	jkg	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	05/18/11 21:24	jkg	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	05/18/11 21:24	jkg	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	05/18/11 21:24	jkg	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	05/18/11 21:24	jkg	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/18/11 21:24	jkg	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	05/18/11 21:24	jkg	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	05/18/11 21:24	jkg	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	05/18/11 21:24	jkg	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	05/18/11 21:24	jkg	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	05/18/11 21:24	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	05/18/11 21:24	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	05/18/11 21:24	jkg	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	05/18/11 21:24	jkg	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	05/18/11 21:24	jkg	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	05/18/11 21:24	jkg	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	05/18/11 21:24	jkg	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/18/11 21:24	jkg	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	05/18/11 21:24	jkg	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	05/18/11 21:24	jkg	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	05/18/11 21:24	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	05/18/11 21:24	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	05/18/11 21:24	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	05/18/11 21:24	jkg	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/18/11 21:24	jkg	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/18/11 21:24	jkg	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	05/18/11 21:24	jkg	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	05/18/11 21:24	jkg	

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Description: 4103-II12
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-10
Sampled: 05/10/11 12:45
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	05/18/11 21:24	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*49*	*1*	*50.0*	*97 %*	*51-122*	*1E18008*	*EPA 8260B*	*05/18/11 21:24*	*jkg*	
Dibromofluoromethane	*47*	*1*	*50.0*	*94 %*	*68-117*	*1E18008*	*EPA 8260B*	*05/18/11 21:24*	*jkg*	
Toluene-d8	*46*	*1*	*50.0*	*93 %*	*69-110*	*1E18008*	*EPA 8260B*	*05/18/11 21:24*	*jkg*	

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Description: 4103-II12
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-10
Sampled: 05/10/11 12:45
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

Metals (total recoverable) 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] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	05/17/11 13:58	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	05/12/11 12:08	JDH	
Barium [7440-39-3] ^	**397**		ug/L	1	1.00	10.0	100	EPA 6010C	05/12/11 12:08	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	05/12/11 12:08	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	05/12/11 12:08	JDH	
Chromium [7440-47-3] ^	**1.17**	J	ug/L	1	1.00	10.0	10	EPA 6010C	05/12/11 12:08	JDH	
Cobalt [7440-48-4] ^	**8.16**	J	ug/L	1	1.10	10.0	10	EPA 6010C	05/12/11 12:08	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	05/12/11 12:08	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/12/11 12:08	JDH	
Nickel [7440-02-0] ^	**11.2**	J	ug/L	1	1.80	10.0	50	EPA 6010C	05/12/11 12:08	JDH	
Selenium [7782-49-2] ^	**3.38**	J	ug/L	1	0.830	1.00	10	EPA 6020A	05/17/11 13:58	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/12/11 12:08	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	05/17/11 13:58	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	05/12/11 12:08	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	05/12/11 12:08	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: 4103-MW13
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-11
Sampled: 05/10/11 11:15
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	05/18/11 21:54	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	05/18/11 21:54	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	05/18/11 21:54	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/18/11 21:54	jkg	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	05/18/11 21:54	jkg	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	05/18/11 21:54	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/18/11 21:54	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/18/11 21:54	jkg	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/18/11 21:54	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	05/18/11 21:54	jkg	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	05/18/11 21:54	jkg	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	05/18/11 21:54	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	05/18/11 21:54	jkg	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	05/18/11 21:54	jkg	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	05/18/11 21:54	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/18/11 21:54	jkg	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	05/18/11 21:54	jkg	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	05/18/11 21:54	jkg	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	05/18/11 21:54	jkg	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	05/18/11 21:54	jkg	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	05/18/11 21:54	jkg	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	05/18/11 21:54	jkg	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	05/18/11 21:54	jkg	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/18/11 21:54	jkg	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	05/18/11 21:54	jkg	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	05/18/11 21:54	jkg	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	05/18/11 21:54	jkg	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	05/18/11 21:54	jkg	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	05/18/11 21:54	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	05/18/11 21:54	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	05/18/11 21:54	jkg	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	05/18/11 21:54	jkg	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	05/18/11 21:54	jkg	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	05/18/11 21:54	jkg	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	05/18/11 21:54	jkg	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/18/11 21:54	jkg	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	05/18/11 21:54	jkg	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	05/18/11 21:54	jkg	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	05/18/11 21:54	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	05/18/11 21:54	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	05/18/11 21:54	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	05/18/11 21:54	jkg	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/18/11 21:54	jkg	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/18/11 21:54	jkg	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	05/18/11 21:54	jkg	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	05/18/11 21:54	jkg	

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Description: 4103-MW13
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-11
Sampled: 05/10/11 11:15
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	05/18/11 21:54	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*48*	*1*	*50.0*	*96 %*	*51-122*	*1E18008*	*EPA 8260B*	*05/18/11 21:54*	*jkg*	
Dibromofluoromethane	*48*	*1*	*50.0*	*97 %*	*68-117*	*1E18008*	*EPA 8260B*	*05/18/11 21:54*	*jkg*	
Toluene-d8	*44*	*1*	*50.0*	*88 %*	*69-110*	*1E18008*	*EPA 8260B*	*05/18/11 21:54*	*jkg*	

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Description: 4103-MW13
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-11
Sampled: 05/10/11 11:15
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

Metals (total recoverable) 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] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	05/17/11 14:02	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	05/12/11 12:10	JDH	
Barium [7440-39-3] ^	**108**		ug/L	1	1.00	10.0	100	EPA 6010C	05/12/11 12:10	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	05/12/11 12:10	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	05/12/11 12:10	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	05/12/11 12:10	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	05/12/11 12:10	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	05/12/11 12:10	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/12/11 12:10	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	05/12/11 12:10	JDH	
Selenium [7782-49-2] ^	**1.07**	J	ug/L	1	0.830	1.00	10	EPA 6020A	05/17/11 14:02	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/12/11 12:10	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	05/17/11 14:02	VLO	
Vanadium [7440-62-2] ^	**3.84**	J	ug/L	1	1.40	10.0	25	EPA 6010C	05/12/11 12:10	JDH	
Zinc [7440-66-6] ^	**4.92**	J	ug/L	1	3.80	10.0	10	EPA 6010C	05/12/11 12:10	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: 4103-MW14 | **Lab Sample ID:** C105309-12 | **Received:** 05/11/11 10:00

Matrix: Ground Water | **Sampled:** 05/10/11 10:10 | **Work Order:** C105309

Project: White Street Landfill App Is (Phase II) | **Sampled By:** Gary Simcox

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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	05/18/11 22:24	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	05/18/11 22:24	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	05/18/11 22:24	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/18/11 22:24	jkg	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	05/18/11 22:24	jkg	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	05/18/11 22:24	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/18/11 22:24	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/18/11 22:24	jkg	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/18/11 22:24	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	05/18/11 22:24	jkg	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	05/18/11 22:24	jkg	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	05/18/11 22:24	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	05/18/11 22:24	jkg	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	05/18/11 22:24	jkg	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	05/18/11 22:24	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/18/11 22:24	jkg	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	05/18/11 22:24	jkg	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	05/18/11 22:24	jkg	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	05/18/11 22:24	jkg	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	05/18/11 22:24	jkg	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	05/18/11 22:24	jkg	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	05/18/11 22:24	jkg	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	05/18/11 22:24	jkg	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/18/11 22:24	jkg	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	05/18/11 22:24	jkg	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	05/18/11 22:24	jkg	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	05/18/11 22:24	jkg	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	05/18/11 22:24	jkg	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	05/18/11 22:24	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	05/18/11 22:24	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	05/18/11 22:24	jkg	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	05/18/11 22:24	jkg	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	05/18/11 22:24	jkg	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	05/18/11 22:24	jkg	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	05/18/11 22:24	jkg	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/18/11 22:24	jkg	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	05/18/11 22:24	jkg	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	05/18/11 22:24	jkg	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	05/18/11 22:24	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	05/18/11 22:24	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	05/18/11 22:24	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	05/18/11 22:24	jkg	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/18/11 22:24	jkg	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/18/11 22:24	jkg	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	05/18/11 22:24	jkg	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	05/18/11 22:24	jkg	

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Description: 4103-MW14
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-12
Sampled: 05/10/11 10:10
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	05/18/11 22:24	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*48*	*1*	*50.0*	*96 %*	*51-122*	*1E18008*	*EPA 8260B*	*05/18/11 22:24*	*jkg*	
Dibromofluoromethane	*49*	*1*	*50.0*	*98 %*	*68-117*	*1E18008*	*EPA 8260B*	*05/18/11 22:24*	*jkg*	
Toluene-d8	*46*	*1*	*50.0*	*93 %*	*69-110*	*1E18008*	*EPA 8260B*	*05/18/11 22:24*	*jkg*	

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Description: 4103-MW14
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-12
Sampled: 05/10/11 10:10
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

Metals (total recoverable) 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] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	05/17/11 14:05	VLO	
Arsenic [7440-38-2] ^	**3.08**	JB	ug/L	1	2.80	10.0	10	EPA 6010C	05/12/11 12:12	JDH	J-01
Barium [7440-39-3] ^	**12.3**	J	ug/L	1	1.00	10.0	100	EPA 6010C	05/12/11 12:12	JDH	
Beryllium [7440-41-7] ^	**0.100**	J	ug/L	1	0.100	1.00	1	EPA 6010C	05/12/11 12:12	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	05/12/11 12:12	JDH	
Chromium [7440-47-3] ^	**4.26**	J	ug/L	1	1.00	10.0	10	EPA 6010C	05/12/11 12:12	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	05/12/11 12:12	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	05/12/11 12:12	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/12/11 12:12	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	05/12/11 12:12	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	05/17/11 14:05	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/12/11 12:12	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	05/17/11 14:05	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	05/12/11 12:12	JDH	
Zinc [7440-66-6] ^	**7.58**	J	ug/L	1	3.80	10.0	10	EPA 6010C	05/12/11 12:12	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: 4103-DUPLICATEII
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-13
Sampled: 05/09/11 08:00
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	05/16/11 06:47	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	05/16/11 06:47	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	05/16/11 06:47	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 06:47	JKG	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	05/16/11 06:47	JKG	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	05/16/11 06:47	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/16/11 06:47	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/16/11 06:47	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 06:47	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	05/16/11 06:47	JKG	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	05/16/11 06:47	JKG	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	05/16/11 06:47	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	05/16/11 06:47	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	05/16/11 06:47	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	05/16/11 06:47	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/16/11 06:47	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	05/16/11 06:47	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	05/16/11 06:47	JKG	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	05/16/11 06:47	JKG	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	05/16/11 06:47	JKG	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	05/16/11 06:47	JKG	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	05/16/11 06:47	JKG	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	05/16/11 06:47	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/16/11 06:47	JKG	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	05/16/11 06:47	JKG	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	05/16/11 06:47	JKG	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	05/16/11 06:47	JKG	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	05/16/11 06:47	JKG	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	05/16/11 06:47	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	05/16/11 06:47	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	05/16/11 06:47	JKG	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	05/16/11 06:47	JKG	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	05/16/11 06:47	JKG	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	05/16/11 06:47	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	05/16/11 06:47	JKG	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/16/11 06:47	JKG	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	05/16/11 06:47	JKG	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	05/16/11 06:47	JKG	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	05/16/11 06:47	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	05/16/11 06:47	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	05/16/11 06:47	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	05/16/11 06:47	JKG	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/16/11 06:47	JKG	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 06:47	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	05/16/11 06:47	JKG	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	05/16/11 06:47	JKG	

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Description: 4103-DUPLICATEII
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-13
Sampled: 05/09/11 08:00
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	05/16/11 06:47	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*49*	*1*	*50.0*	*97 %*	*51-122*	*1E15003*	*EPA 8260B*	*05/16/11 06:47*	*JKG*	
Dibromofluoromethane	*43*	*1*	*50.0*	*86 %*	*68-117*	*1E15003*	*EPA 8260B*	*05/16/11 06:47*	*JKG*	
Toluene-d8	*49*	*1*	*50.0*	*97 %*	*69-110*	*1E15003*	*EPA 8260B*	*05/16/11 06:47*	*JKG*	

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Description: 4103-DUPLICATEII
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-13
Sampled: 05/09/11 08:00
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

Metals (total recoverable) 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] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	05/17/11 14:09	VLO	
Arsenic [7440-38-2] ^	**3.11**	JB	ug/L	1	2.80	10.0	10	EPA 6010C	05/12/11 12:21	JDH	J-01
Barium [7440-39-3] ^	**13.4**	J	ug/L	1	1.00	10.0	100	EPA 6010C	05/12/11 12:21	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	05/12/11 12:21	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	05/12/11 12:21	JDH	
Chromium [7440-47-3] ^	**1.68**	J	ug/L	1	1.00	10.0	10	EPA 6010C	05/12/11 12:21	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	05/12/11 12:21	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	05/12/11 12:21	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/12/11 12:21	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	05/12/11 12:21	JDH	
Selenium [7782-49-2] ^	**1.04**	J	ug/L	1	0.830	1.00	10	EPA 6020A	05/17/11 14:09	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/12/11 12:21	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	05/17/11 14:09	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	05/12/11 12:21	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	05/12/11 12:21	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: 4103-TripBlank#2
Matrix: Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-14
Sampled: 05/09/11 08:00
Sampled By: ENCO

Received: 05/11/11 10:00
Work Order: C105309

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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	05/16/11 07:16	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	05/16/11 07:16	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	05/16/11 07:16	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 07:16	JKG	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	05/16/11 07:16	JKG	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	05/16/11 07:16	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/16/11 07:16	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/16/11 07:16	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 07:16	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	05/16/11 07:16	JKG	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	05/16/11 07:16	JKG	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	05/16/11 07:16	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	05/16/11 07:16	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	05/16/11 07:16	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	05/16/11 07:16	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/16/11 07:16	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	05/16/11 07:16	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	05/16/11 07:16	JKG	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	05/16/11 07:16	JKG	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	05/16/11 07:16	JKG	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	05/16/11 07:16	JKG	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	05/16/11 07:16	JKG	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	05/16/11 07:16	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/16/11 07:16	JKG	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	05/16/11 07:16	JKG	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	05/16/11 07:16	JKG	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	05/16/11 07:16	JKG	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	05/16/11 07:16	JKG	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	05/16/11 07:16	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	05/16/11 07:16	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	05/16/11 07:16	JKG	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	05/16/11 07:16	JKG	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	05/16/11 07:16	JKG	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	05/16/11 07:16	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	05/16/11 07:16	JKG	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/16/11 07:16	JKG	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	05/16/11 07:16	JKG	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	05/16/11 07:16	JKG	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	05/16/11 07:16	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	05/16/11 07:16	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	05/16/11 07:16	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	05/16/11 07:16	JKG	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/16/11 07:16	JKG	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 07:16	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	05/16/11 07:16	JKG	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	05/16/11 07:16	JKG	

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Description: 4103-TripBlank#2
Matrix: Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-14
Sampled: 05/09/11 08:00
Sampled By: ENCO

Received: 05/11/11 10:00
Work Order: C105309

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	05/16/11 07:16	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*50*	*1*	*50.0*	*99 %*	*51-122*	*1E15003*	*EPA 8260B*	*05/16/11 07:16*	*JKG*	
Dibromofluoromethane	*46*	*1*	*50.0*	*91 %*	*68-117*	*1E15003*	*EPA 8260B*	*05/16/11 07:16*	*JKG*	
Toluene-d8	*48*	*1*	*50.0*	*97 %*	*69-110*	*1E15003*	*EPA 8260B*	*05/16/11 07:16*	*JKG*	

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QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1E15003 - EPA 5030B_MS

Blank (1E15003-BLK1) Prepared: 05/15/2011 13:25 Analyzed: 05/15/2011 23:58

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.90	U	1.0	ug/L							
1,1,1-Trichloroethane	0.65	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.75	U	1.0	ug/L							
1,1,2-Trichloroethane	0.66	U	1.0	ug/L							
1,1-Dichloroethane	0.080	U	1.0	ug/L							
1,1-Dichloroethene	0.60	U	1.0	ug/L							
1,2,3-Trichloropropane	0.72	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.11	U	1.0	ug/L							
1,2-Dichloroethane	0.47	U	1.0	ug/L							
1,2-Dichloropropane	0.59	U	1.0	ug/L							
1,4-Dichlorobenzene	0.79	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Acrylonitrile	3.5	U	10	ug/L							
Benzene	0.68	U	1.0	ug/L							
Bromochloromethane	0.87	U	1.0	ug/L							
Bromodichloromethane	0.75	U	1.0	ug/L							
Bromoform	0.68	U	1.0	ug/L							
Bromomethane	0.58	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.69	U	1.0	ug/L							
Chlorobenzene	0.74	U	1.0	ug/L							
Chloroethane	0.75	U	1.0	ug/L							
Chloroform	0.70	U	1.0	ug/L							
Chloromethane	0.55	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.72	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.075	U	1.0	ug/L							
Dibromochloromethane	0.63	U	1.0	ug/L							
Dibromomethane	0.90	U	1.0	ug/L							
Ethylbenzene	0.62	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							
Methylene chloride	0.14	U	1.0	ug/L							
Styrene	0.053	U	1.0	ug/L							
Tetrachloroethene	0.73	U	1.0	ug/L							
Toluene	0.85	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.12	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.50	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.72	U	1.0	ug/L							
Trichlorofluoromethane	0.66	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.60	U	1.0	ug/L							
Xylenes (Total)	2.1	U	3.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*50*			*ug/L*	*50.0*		*100*	*51-122*			

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QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1E15003 - EPA 5030B_MS

Blank (1E15003-BLK1) Continued Prepared: 05/15/2011 13:25 Analyzed: 05/15/2011 23:58

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Dibromofluoromethane	*44*			*ug/L*	*50.0*		*89*	*68-117*			
Surrogate: Toluene-d8	*47*			*ug/L*	*50.0*		*94*	*69-110*			

LCS (1E15003-BS1) Prepared: 05/15/2011 13:25 Analyzed: 05/16/2011 00:27

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0		108	75-133			
Benzene	20		1.0	ug/L	20.0		100	81-134			
Chlorobenzene	19		1.0	ug/L	20.0		97	83-117			
Toluene	19		1.0	ug/L	20.0		93	71-118			
Trichloroethene	21		1.0	ug/L	20.0		106	75-115			

Matrix Spike (1E15003-MS1) Prepared: 05/15/2011 13:25 Analyzed: 05/16/2011 00:56

Source: C105845-02

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	0.60 U	102	75-133			
Benzene	20		1.0	ug/L	20.0	0.68 U	101	81-134			
Chlorobenzene	21		1.0	ug/L	20.0	0.74 U	107	83-117			
Toluene	21		1.0	ug/L	20.0	0.85 U	104	71-118			
Trichloroethene	19		1.0	ug/L	20.0	0.72 U	96	75-115			

Matrix Spike Dup (1E15003-MSD1) Prepared: 05/15/2011 13:25 Analyzed: 05/16/2011 01:26

Source: C105845-02

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	0.60 U	91	75-133	11	20	
Benzene	19		1.0	ug/L	20.0	0.68 U	94	81-134	8	17	
Chlorobenzene	18		1.0	ug/L	20.0	0.74 U	92	83-117	15	16	
Toluene	19		1.0	ug/L	20.0	0.85 U	97	71-118	7	17	
Trichloroethene	19		1.0	ug/L	20.0	0.72 U	96	75-115	0.3	18	

Batch 1E17019 - EPA 5030B_MS

Blank (1E17019-BLK1) Prepared: 05/17/2011 13:13 Analyzed: 05/17/2011 16:19

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.90	U	1.0	ug/L							
1,1,1-Trichloroethane	0.65	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.75	U	1.0	ug/L							
1,1,2-Trichloroethane	0.66	U	1.0	ug/L							
1,1-Dichloroethane	0.080	U	1.0	ug/L							
1,1-Dichloroethene	0.60	U	1.0	ug/L							
1,2,3-Trichloropropane	0.72	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.11	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1E17019 - EPA 5030B_MS

Blank (1E17019-BLK1) Continued Prepared: 05/17/2011 13:13 Analyzed: 05/17/2011 16:19

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dichloroethane	0.47	U	1.0	ug/L							
1,2-Dichloropropane	0.59	U	1.0	ug/L							
1,4-Dichlorobenzene	0.79	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Acrylonitrile	3.5	U	10	ug/L							
Benzene	0.68	U	1.0	ug/L							
Bromochloromethane	0.87	U	1.0	ug/L							
Bromodichloromethane	0.75	U	1.0	ug/L							
Bromoform	0.68	U	1.0	ug/L							
Bromomethane	0.58	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.69	U	1.0	ug/L							
Chlorobenzene	0.74	U	1.0	ug/L							
Chloroethane	0.75	U	1.0	ug/L							
Chloroform	0.70	U	1.0	ug/L							
Chloromethane	0.55	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.72	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.075	U	1.0	ug/L							
Dibromochloromethane	0.63	U	1.0	ug/L							
Dibromomethane	0.90	U	1.0	ug/L							
Ethylbenzene	0.62	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							
Methylene chloride	0.14	U	1.0	ug/L							
Styrene	0.053	U	1.0	ug/L							
Tetrachloroethene	0.73	U	1.0	ug/L							
Toluene	0.85	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.12	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.50	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.72	U	1.0	ug/L							
Trichlorofluoromethane	0.66	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.60	U	1.0	ug/L							
Xylenes (Total)	2.1	U	3.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*46*			*ug/L*	*50.0*		*91*	*51-122*			
Surrogate: Dibromofluoromethane	*46*			*ug/L*	*50.0*		*92*	*68-117*			
Surrogate: Toluene-d8	*42*			*ug/L*	*50.0*		*84*	*69-110*			

LCS (1E17019-BS1) Prepared: 05/17/2011 13:13 Analyzed: 05/17/2011 16:49

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		93	75-133			
Benzene	18		1.0	ug/L	20.0		90	81-134			
Chlorobenzene	19		1.0	ug/L	20.0		93	83-117			
Toluene	19		1.0	ug/L	20.0		94	71-118			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1E17019 - EPA 5030B_MS

LCS (1E17019-BS1) Continued Prepared: 05/17/2011 13:13 Analyzed: 05/17/2011 16:49

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Trichloroethene	19		1.0	ug/L	20.0		93	75-115			

Matrix Spike (1E17019-MS1) Prepared: 05/17/2011 13:13 Analyzed: 05/17/2011 17:19

Source: C105845-07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	13		1.0	ug/L	12.5	0.60 U	104	75-133			
Benzene	13		1.0	ug/L	12.5	0.68 U	102	81-134			
Chlorobenzene	13		1.0	ug/L	12.5	0.74 U	103	83-117			
Toluene	13		1.0	ug/L	12.5	0.85 U	101	71-118			
Trichloroethene	12		1.0	ug/L	12.5	0.72 U	97	75-115			

Matrix Spike Dup (1E17019-MSD1) Prepared: 05/17/2011 13:13 Analyzed: 05/17/2011 17:49

Source: C105845-07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	12		1.0	ug/L	12.5	0.60 U	96	75-133	8	20	
Benzene	13		1.0	ug/L	12.5	0.68 U	101	81-134	1	17	
Chlorobenzene	13		1.0	ug/L	12.5	0.74 U	101	83-117	1	16	
Toluene	12		1.0	ug/L	12.5	0.85 U	99	71-118	2	17	
Trichloroethene	12		1.0	ug/L	12.5	0.72 U	94	75-115	3	18	

Batch 1E18008 - EPA 5030B_MS

Blank (1E18008-BLK1) Prepared: 05/18/2011 07:36 Analyzed: 05/18/2011 17:56

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.90	U	1.0	ug/L							
1,1,1-Trichloroethane	0.65	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.75	U	1.0	ug/L							
1,1,2-Trichloroethane	0.66	U	1.0	ug/L							
1,1-Dichloroethane	0.080	U	1.0	ug/L							
1,1-Dichloroethene	0.60	U	1.0	ug/L							
1,2,3-Trichloropropane	0.72	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.11	U	1.0	ug/L							
1,2-Dichloroethane	0.47	U	1.0	ug/L							
1,2-Dichloropropane	0.59	U	1.0	ug/L							
1,4-Dichlorobenzene	0.79	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Acrylonitrile	3.5	U	10	ug/L							
Benzene	0.68	U	1.0	ug/L							
Bromochloromethane	0.87	U	1.0	ug/L							
Bromodichloromethane	0.75	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1E18008 - EPA 5030B_MS

Blank (1E18008-BLK1) Continued Prepared: 05/18/2011 07:36 Analyzed: 05/18/2011 17:56

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Bromoform	0.68	U	1.0	ug/L							
Bromomethane	0.58	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.69	U	1.0	ug/L							
Chlorobenzene	0.74	U	1.0	ug/L							
Chloroethane	0.75	U	1.0	ug/L							
Chloroform	0.70	U	1.0	ug/L							
Chloromethane	0.55	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.72	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.075	U	1.0	ug/L							
Dibromochloromethane	0.63	U	1.0	ug/L							
Dibromomethane	0.90	U	1.0	ug/L							
Ethylbenzene	0.62	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							
Methylene chloride	0.14	U	1.0	ug/L							
Styrene	0.053	U	1.0	ug/L							
Tetrachloroethene	0.73	U	1.0	ug/L							
Toluene	0.85	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.12	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.50	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.72	U	1.0	ug/L							
Trichlorofluoromethane	0.66	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.60	U	1.0	ug/L							
Xylenes (Total)	2.1	U	3.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*49*			*ug/L*	*50.0*		*97*	*51-122*			
Surrogate: Dibromofluoromethane	*48*			*ug/L*	*50.0*		*96*	*68-117*			
Surrogate: Toluene-d8	*45*			*ug/L*	*50.0*		*89*	*69-110*			

LCS (1E18008-BS1) Prepared: 05/18/2011 07:36 Analyzed: 05/18/2011 18:26

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	24		1.0	ug/L	20.0		119	75-133			
Benzene	19		1.0	ug/L	20.0		96	81-134			
Chlorobenzene	20		1.0	ug/L	20.0		99	83-117			
Toluene	19		1.0	ug/L	20.0		97	71-118			
Trichloroethene	20		1.0	ug/L	20.0		99	75-115			

Matrix Spike (1E18008-MS1) Prepared: 05/18/2011 07:36 Analyzed: 05/18/2011 18:56

Source: C105845-08

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0	0.60 U	112	75-133			
Benzene	19		1.0	ug/L	20.0	0.68 U	96	81-134			
Chlorobenzene	20		1.0	ug/L	20.0	0.74 U	98	83-117			
Toluene	19		1.0	ug/L	20.0	0.85 U	97	71-118			
Trichloroethene	20		1.0	ug/L	20.0	0.72 U	102	75-115			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1E18008 - EPA 5030B_MS

Matrix Spike Dup (1E18008-MSD1) Prepared: 05/18/2011 07:36 Analyzed: 05/18/2011 19:25

Source: C105845-08

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	0.60 U	104	75-133	7	20	
Benzene	19		1.0	ug/L	20.0	0.68 U	95	81-134	2	17	
Chlorobenzene	19		1.0	ug/L	20.0	0.74 U	94	83-117	4	16	
Toluene	18		1.0	ug/L	20.0	0.85 U	91	71-118	6	17	
Trichloroethene	19		1.0	ug/L	20.0	0.72 U	95	75-115	7	18	

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 1E11035 - EPA 3005A

Blank (1E11035-BLK1) Prepared: 05/11/2011 14:07 Analyzed: 05/12/2011 10:43

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	**2.95**	**J**	10.0	ug/L							
Barium	1.00	U	10.0	ug/L							
Beryllium	0.100	U	1.00	ug/L							
Cadmium	0.360	U	1.00	ug/L							
Chromium	1.00	U	10.0	ug/L							
Cobalt	1.10	U	10.0	ug/L							
Copper	1.60	U	10.0	ug/L							
Lead	1.90	U	10.0	ug/L							
Nickel	1.80	U	10.0	ug/L							
Silver	1.90	U	10.0	ug/L							
Vanadium	1.40	U	10.0	ug/L							
Zinc	3.80	U	10.0	ug/L							

LCS (1E11035-BS1) Prepared: 05/11/2011 14:07 Analyzed: 05/12/2011 10:46

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	508	B	10.0	ug/L	500		102	80-120			
Barium	510		10.0	ug/L	500		102	80-120			
Beryllium	260		1.00	ug/L	250		104	80-120			
Cadmium	254		1.00	ug/L	250		102	80-120			
Chromium	516		10.0	ug/L	500		103	80-120			
Cobalt	503		10.0	ug/L	500		101	80-120			
Copper	260		10.0	ug/L	250		104	80-120			
Lead	509		10.0	ug/L	500		102	80-120			
Nickel	508		10.0	ug/L	500		102	80-120			
Silver	264		10.0	ug/L	250		106	80-120			
Vanadium	261		10.0	ug/L	250		104	80-120			
Zinc	510		10.0	ug/L	500		102	80-120			

Matrix Spike (1E11035-MS1) Prepared: 05/11/2011 14:07 Analyzed: 05/12/2011 10:52

Source: C105309-01

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

QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 1E11035 - EPA 3005A

Matrix Spike (1E11035-MS1) Continued Prepared: 05/11/2011 14:07 Analyzed: 05/12/2011 10:52

Source: C105309-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	511	B	10.0	ug/L	500	2.80 U	102	75-125			
Barium	882		10.0	ug/L	500	415	93	75-125			
Beryllium	257		1.00	ug/L	250	0.100 U	103	75-125			
Cadmium	235		1.00	ug/L	250	0.360 U	94	75-125			
Chromium	490		10.0	ug/L	500	4.93	97	75-125			
Cobalt	509		10.0	ug/L	500	22.4	97	75-125			
Copper	274		10.0	ug/L	250	17.3	103	75-125			
Lead	482		10.0	ug/L	500	1.90 U	96	75-125			
Nickel	481		10.0	ug/L	500	20.2	92	75-125			
Silver	259		10.0	ug/L	250	2.84	102	75-125			
Vanadium	256		10.0	ug/L	250	1.40 U	102	75-125			
Zinc	492		10.0	ug/L	500	5.52	97	75-125			

Matrix Spike Dup (1E11035-MSD1) Prepared: 05/11/2011 14:07 Analyzed: 05/12/2011 10:54

Source: C105309-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	513	B	10.0	ug/L	500	2.80 U	103	75-125	0.4	20	
Barium	892		10.0	ug/L	500	415	95	75-125	1	20	
Beryllium	260		1.00	ug/L	250	0.100 U	104	75-125	1	20	
Cadmium	238		1.00	ug/L	250	0.360 U	95	75-125	1	20	
Chromium	495		10.0	ug/L	500	4.93	98	75-125	0.9	20	
Cobalt	509		10.0	ug/L	500	22.4	97	75-125	0.0009	20	
Copper	277		10.0	ug/L	250	17.3	104	75-125	1	20	
Lead	481		10.0	ug/L	500	1.90 U	96	75-125	0.2	20	
Nickel	484		10.0	ug/L	500	20.2	93	75-125	0.6	20	
Silver	261		10.0	ug/L	250	2.84	103	75-125	1	20	
Vanadium	258		10.0	ug/L	250	1.40 U	103	75-125	0.9	20	
Zinc	492		10.0	ug/L	500	5.52	97	75-125	0.1	20	

Post Spike (1E11035-PS1) Prepared: 05/11/2011 14:07 Analyzed: 05/12/2011 11:02

Source: C105309-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1.01	B	0.0100	mg/L	1.00	-0.00122	102	80-120			
Barium	1.38		0.0100	mg/L	1.00	0.415	97	80-120			
Beryllium	0.510		0.00100	mg/L	0.500	2.44E-5	102	80-120			
Cadmium	0.470		0.00100	mg/L	0.500	7.05E-5	94	80-120			
Chromium	0.990		0.0100	mg/L	1.00	0.00493	98	80-120			
Cobalt	0.982		0.0100	mg/L	1.00	0.0224	96	80-120			
Copper	0.540		0.0100	mg/L	0.500	0.0173	105	80-120			
Lead	0.945		0.0100	mg/L	1.00	-0.000535	95	80-120			
Nickel	0.939		0.0100	mg/L	1.00	0.0202	92	80-120			
Silver	0.519		0.0100	mg/L	0.500	0.00284	103	80-120			
Vanadium	0.516		0.0100	mg/L	0.500	0.000696	103	80-120			
Zinc	0.936		0.0100	mg/L	1.00	0.00552	93	80-120			

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QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 1E11035 - EPA 3005A

Batch 1E12012 - EPA 3005A

Blank (1E12012-BLK1) Prepared: 05/12/2011 09:26 Analyzed: 05/17/2011 12:31

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.220	U	2.00	ug/L							
Selenium	0.830	U	1.00	ug/L							
Thallium	0.110	U	1.00	ug/L							

LCS (1E12012-BS1) Prepared: 05/12/2011 09:26 Analyzed: 05/17/2011 12:35

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	24.1		2.00	ug/L	25.0		97	80-120			
Selenium	25.2		1.00	ug/L	25.0		101	80-120			
Thallium	24.3		1.00	ug/L	25.0		97	80-120			

Matrix Spike (1E12012-MS1) Prepared: 05/12/2011 09:26 Analyzed: 05/17/2011 12:42

Source: C105309-05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	21.9		2.00	ug/L	25.0	0.220 U	88	80-120			
Selenium	26.4		1.00	ug/L	25.0	1.91	98	80-120			
Thallium	23.0		1.00	ug/L	25.0	0.110 U	92	80-120			

Matrix Spike Dup (1E12012-MSD1) Prepared: 05/12/2011 09:26 Analyzed: 05/17/2011 12:46

Source: C105309-05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	22.1		2.00	ug/L	25.0	0.220 U	88	80-120	0.6	20	
Selenium	25.3		1.00	ug/L	25.0	1.91	94	80-120	4	20	
Thallium	22.9		1.00	ug/L	25.0	0.110 U	91	80-120	0.5	20	

Post Spike (1E12012-PS1) Prepared: 05/12/2011 09:26 Analyzed: 05/17/2011 12:50

Source: C105309-05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	24.0		2.00	ug/L	25.0	0.0650	96	80-120			
Selenium	26.9		1.00	ug/L	25.0	1.91	100	80-120			
Thallium	22.5		1.00	ug/L	25.0	-0.878	93	80-120			

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.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
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.
J-01	Result is estimated due to positive results in the associated method blank.

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD www.encolabs.com

10775 Central Port Dr. Orlando, FL 32824 (407) 826-5314 Fax (407) 850-6945
4810 Executive Park Court, Suite 211 Jacksonville, FL 32216-6069 (904) 296-3007 Fax (904) 296-6210
102-A Woodwinds Industrial Ct. Cary, NC 27511 (919) 467-3090 Fax (919) 467-3515

Client Name: S&ME, Inc. (SM004)	Project Number: [none]
Address: 3718 Old Battleground Rd.	Project Name/Desc: White Street Landfill App Is (Phase II)
City/ST/Zip: Greensboro, NC 27410	PO # / Billing Info
Tel: (336) 288-7180 Fax: (336) 288-8980	Reporting Contact: Edmund Henriques
Sampler(s) Name, Affiliation (Print)	Billing Contact: Accounts Payable
Sampler(s) Signature	Site Location / Time Zone

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: C105309

Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers											Sample Comments
	4103-II1	5/9/11	1105	G	GW	4	X	X									
	4103-II2	5/9/11	1400	G	GW	4	X	X									
	4103-II3	5/9/11	1520	G	GW	4	X	X									
	4103-II4	5/10/11	0900	G	GW	4	X	X									
	4103-II5	5/9/11	1630	G	GW	4	X	X									
	4103-II6	5/9/11	1005	G	GW	4	X	X									
	4103-II7	5/9/11	1245	G	GW	4	X	X									
	4103-II7B	5/9/11	1205	G	GW	4	X	X									
	4103-II8	5/9/11	0900	G	GW	4	X	X									
	4103-II12	5/10/11	1245	G	GW	4	X	X									
	4103-MW13	5/10/11	1115	G	GW	4	X	X									
	4103-MW14	5/10/11	1010	G	GW	4	X	X									

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
JK	5-4-11			Briana Gregory	5/11/11 10:00
Comments/Special Reporting Requirements		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time

Cooler #'s & Temps on Receipt: C-793 C-160 2.2°C

Condition Upon Receipt: X Acceptable ___ Unacceptable

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

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

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

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Client Name: S&ME, Inc. (SM004)	Project Number: [none]
Address: 3718 Old Battleground Rd.	Project Name/Desc: White Street Landfill App Is (Phase II)
City/ST/Zip: Greensboro, NC 27410	PO # / Billing Info
Tel: (336) 288-7180 Fax: (336) 288-8980	Reporting Contact: Edmund Henriques
Sampler(s) Name, Affiliation (Print)	Billing Contact: Accounts Payable
Sampler(s) Signature	Site Location / Time Zone

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: C105309

Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers			Sample Comments
	4103-DUPLICATEII	5/9/11	0800	G	GW	4	X	X	
	4103-TripBlank#2				GW	2	X		
	~~4103-SW1~~				~~GW~~	~~4~~	~~X~~	~~X~~	
	~~4103-SW2~~				~~GW~~	~~4~~	~~X~~	~~X~~	
	~~4103-SW3~~				~~GW~~	~~4~~	~~X~~	~~X~~	
	~~4103-SW4~~				~~GW~~	~~4~~	~~X~~	~~X~~	
	~~4103-SW5~~				~~GW~~	~~4~~	~~X~~	~~X~~	

<-- Total # of Containers

Sample Kit Prepared By: VK	Date/Time: 5-4-11	Relinquished By	Date/Time	Received By: Briana Gregory	Date/Time: 5/11/11 10:00
Comments/Special Reporting Requirements		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time
		Cooler #'s & Temps on Receipt: C-793 C-160 2.2°C		Condition Upon Receipt: X Acceptable ___ Unacceptable	

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

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

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

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

Wednesday, May 25, 2011

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 App Is (Phase II)
ENCO Workorder: C105309

Dear Edmund Henriques,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Wednesday, May 11, 2011.

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

Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 59.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: 4103-II1 | **Lab ID: C105309-01** | **Sampled: 05/09/11 11:05** | **Received: 05/11/11 10:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	11/05/11	05/11/11 14:07	5/12/2011 10:49
EPA 6020A	11/05/11	05/12/11 09:26	5/17/2011 13:12
EPA 8260B	05/23/11	05/15/11 13:25	5/16/2011 02:53

Client ID: 4103-II2 | **Lab ID: C105309-02** | **Sampled: 05/09/11 14:00** | **Received: 05/11/11 10:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	11/05/11	05/11/11 14:07	5/12/2011 11:23
EPA 6020A	11/05/11	05/12/11 09:26	5/17/2011 13:16
EPA 8260B	05/23/11	05/15/11 13:25	5/16/2011 03:23

Client ID: 4103-II3 | **Lab ID: C105309-03** | **Sampled: 05/09/11 15:20** | **Received: 05/11/11 10:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	11/05/11	05/11/11 14:07	5/12/2011 11:52
EPA 6020A	11/05/11	05/12/11 09:26	5/17/2011 13:19
EPA 8260B	05/23/11	05/15/11 13:25	5/16/2011 03:52

Client ID: 4103-II4 | **Lab ID: C105309-04** | **Sampled: 05/10/11 09:00** | **Received: 05/11/11 10:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	11/06/11	05/11/11 14:07	5/12/2011 11:54
EPA 6020A	11/06/11	05/12/11 09:26	5/17/2011 13:23
EPA 8260B	05/24/11	05/17/11 13:13	5/18/2011 02:13

Client ID: 4103-II5 | **Lab ID: C105309-05** | **Sampled: 05/09/11 16:30** | **Received: 05/11/11 10:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	11/05/11	05/11/11 14:07	5/12/2011 11:56
EPA 6020A	11/05/11	05/12/11 09:26	5/17/2011 12:38
EPA 8260B	05/23/11	05/15/11 13:25	5/16/2011 04:21

Client ID: 4103-II6 | **Lab ID: C105309-06** | **Sampled: 05/09/11 10:05** | **Received: 05/11/11 10:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	11/05/11	05/11/11 14:07	5/12/2011 11:58
EPA 6020A	11/05/11	05/12/11 09:26	5/17/2011 13:27
EPA 8260B	05/23/11	05/15/11 13:25	5/16/2011 04:50

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Client ID: 4103-II7	Lab ID: C105309-07	Sampled: 05/09/11 12:45	Received: 05/11/11 10:00
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 6010C	11/05/11	05/11/11 14:07	5/12/2011 12:00
EPA 6020A	11/05/11	05/12/11 09:26	5/17/2011 13:31
EPA 8260B	05/23/11	05/15/11 13:25	5/16/2011 05:19

Client ID: 4103-II7B	Lab ID: C105309-08	Sampled: 05/09/11 12:05	Received: 05/11/11 10:00
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 6010C	11/05/11	05/11/11 14:07	5/12/2011 12:02
EPA 6020A	11/05/11	05/12/11 09:26	5/17/2011 13:34
EPA 8260B	05/23/11	05/15/11 13:25	5/16/2011 05:49

Client ID: 4103-II8	Lab ID: C105309-09	Sampled: 05/09/11 09:00	Received: 05/11/11 10:00
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 6010C	11/05/11	05/11/11 14:07	5/12/2011 12:05
EPA 6020A	11/05/11	05/12/11 09:26	5/17/2011 13:46
EPA 8260B	05/23/11	05/15/11 13:25	5/16/2011 06:18

Client ID: 4103-II12	Lab ID: C105309-10	Sampled: 05/10/11 12:45	Received: 05/11/11 10:00
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 6010C	11/06/11	05/11/11 14:07	5/12/2011 12:08
EPA 6020A	11/06/11	05/12/11 09:26	5/17/2011 13:58
EPA 8260B	05/24/11	05/18/11 07:36	5/18/2011 21:24

Client ID: 4103-MW13	Lab ID: C105309-11	Sampled: 05/10/11 11:15	Received: 05/11/11 10:00
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 6010C	11/06/11	05/11/11 14:07	5/12/2011 12:10
EPA 6020A	11/06/11	05/12/11 09:26	5/17/2011 14:02
EPA 8260B	05/24/11	05/18/11 07:36	5/18/2011 21:54

Client ID: 4103-MW14	Lab ID: C105309-12	Sampled: 05/10/11 10:10	Received: 05/11/11 10:00
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 6010C	11/06/11	05/11/11 14:07	5/12/2011 12:12
EPA 6020A	11/06/11	05/12/11 09:26	5/17/2011 14:05
EPA 8260B	05/24/11	05/18/11 07:36	5/18/2011 22:24

Client ID: 4103-DUPLICATEII	Lab ID: C105309-13	Sampled: 05/09/11 08:00	Received: 05/11/11 10:00
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 6010C	11/05/11	05/11/11 14:07	5/12/2011 12:21
EPA 6020A	11/05/11	05/12/11 09:26	5/17/2011 14:09
EPA 8260B	05/23/11	05/15/11 13:25	5/16/2011 06:47

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Client ID: 4103-TripBlank#2	Lab ID: C105309-14	Sampled: 05/09/11 08:00	Received: 05/11/11 10:00
Parameter	**Hold Date/Time(s)**	**Prep Date/Time(s)**	**Analysis Date/Time(s)**
EPA 8260B	05/23/11	05/15/11 13:25	5/16/2011 07:16

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NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: 4103-II1 **Lab ID: C105309-01**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	1.1	J	1	0.080	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	4.0		1	0.79	1.0	1	ug/L	EPA 8260B	
Antimony - Total	0.365	J	1	0.220	2.00	6	ug/L	EPA 6020A	
Barium - Total	415		1	1.00	10.0	100	ug/L	EPA 6010C	
Benzene	0.78	J	1	0.68	1.0	1	ug/L	EPA 8260B	
Chlorobenzene	1.2	J	1	0.74	1.0	3	ug/L	EPA 8260B	
Chromium - Total	4.93	J	1	1.00	10.0	10	ug/L	EPA 6010C	
cis-1,2-Dichloroethene	0.88	J	1	0.72	1.0	5	ug/L	EPA 8260B	
Cobalt - Total	22.4		1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	17.3		1	1.60	10.0	10	ug/L	EPA 6010C	
Nickel - Total	20.2	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Selenium - Total	29.9		1	0.830	1.00	10	ug/L	EPA 6020A	
Silver - Total	2.84	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Zinc - Total	5.52	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4103-II2 **Lab ID: C105309-02**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	16		1	0.080	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	0.87	J	1	0.79	1.0	1	ug/L	EPA 8260B	
Barium - Total	53.5	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chlorobenzene	0.78	J	1	0.74	1.0	3	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	21		1	0.72	1.0	5	ug/L	EPA 8260B	
Selenium - Total	6.46	J	1	0.830	1.00	10	ug/L	EPA 6020A	
Tetrachloroethene	2.9		1	0.73	1.0	1	ug/L	EPA 8260B	
Trichloroethene	3.3		1	0.72	1.0	1	ug/L	EPA 8260B	
Trichlorofluoromethane	1.2		1	0.66	1.0	1	ug/L	EPA 8260B	
Vanadium - Total	3.11	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Vinyl chloride	5.1		1	0.60	1.0	1	ug/L	EPA 8260B	

Client ID: 4103-II3 **Lab ID: C105309-03**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	14		1	0.080	1.0	5	ug/L	EPA 8260B	
Barium - Total	207		1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total	1.87	J	1	1.00	10.0	10	ug/L	EPA 6010C	
cis-1,2-Dichloroethene	1.7	J	1	0.72	1.0	5	ug/L	EPA 8260B	
Cobalt - Total	21.2		1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	1.79	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Nickel - Total	10.9	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Selenium - Total	6.00	J	1	0.830	1.00	10	ug/L	EPA 6020A	

Client ID: 4103-II4 **Lab ID: C105309-04**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	2.1	J	1	0.080	1.0	5	ug/L	EPA 8260B	
Barium - Total	389		1	1.00	10.0	100	ug/L	EPA 6010C	
Beryllium - Total	0.143	J	1	0.100	1.00	1	ug/L	EPA 6010C	
Chromium - Total	1.67	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Cobalt - Total	9.26	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	20.8		1	1.60	10.0	10	ug/L	EPA 6010C	
Nickel - Total	12.3	J	1	1.80	10.0	50	ug/L	EPA 6010C	

Client ID: 4103-II4 | **Lab ID: C105309-04**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Selenium - Total	4.65	J	1	0.830	1.00	10	ug/L	EPA 6020A	
Vanadium - Total	33.7		1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	39.9		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4103-II5 | **Lab ID: C105309-05**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	91.4	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Cobalt - Total	5.86	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	2.89	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Nickel - Total	3.66	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Selenium - Total	1.91	J	1	0.830	1.00	10	ug/L	EPA 6020A	
Vanadium - Total	6.65	J	1	1.40	10.0	25	ug/L	EPA 6010C	

Client ID: 4103-II6 | **Lab ID: C105309-06**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	104		1	1.00	10.0	100	ug/L	EPA 6010C	
Cobalt - Total	4.91	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	2.46	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Nickel - Total	9.44	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Selenium - Total	4.76	J	1	0.830	1.00	10	ug/L	EPA 6020A	

Client ID: 4103-II7 | **Lab ID: C105309-07**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	13.1	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total	1.04	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Selenium - Total	1.08	J	1	0.830	1.00	10	ug/L	EPA 6020A	

Client ID: 4103-II7B | **Lab ID: C105309-08**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	10.6	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Copper - Total	1.81	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Selenium - Total	1.10	J	1	0.830	1.00	10	ug/L	EPA 6020A	
Vanadium - Total	9.54	J	1	1.40	10.0	25	ug/L	EPA 6010C	

Client ID: 4103-II8 | **Lab ID: C105309-09**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	0.79	J	1	0.080	1.0	5	ug/L	EPA 8260B	
Barium - Total	105		1	1.00	10.0	100	ug/L	EPA 6010C	
Chlorobenzene	2.3	J	1	0.74	1.0	3	ug/L	EPA 8260B	
Chromium - Total	1.42	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Nickel - Total	17.7	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Selenium - Total	24.7		1	0.830	1.00	10	ug/L	EPA 6020A	
Silver - Total	2.28	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Vanadium - Total	1.80	J	1	1.40	10.0	25	ug/L	EPA 6010C	

Client ID: 4103-II12 | **Lab ID: C105309-10**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	16	J	1	1.2	5.0	100	ug/L	EPA 8260B	
Barium - Total	397		1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total	1.17	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Cobalt - Total	8.16	J	1	1.10	10.0	10	ug/L	EPA 6010C	

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Client ID: 4103-II12 — **Lab ID: C105309-10**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Nickel - Total	11.2	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Selenium - Total	3.38	J	1	0.830	1.00	10	ug/L	EPA 6020A	

Client ID: 4103-MW13 — **Lab ID: C105309-11**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	108		1	1.00	10.0	100	ug/L	EPA 6010C	
Selenium - Total	1.07	J	1	0.830	1.00	10	ug/L	EPA 6020A	
Vanadium - Total	3.84	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	4.92	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4103-MW14 — **Lab ID: C105309-12**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Arsenic - Total	3.08	JB	1	2.80	10.0	10	ug/L	EPA 6010C	J-01
Barium - Total	12.3	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Beryllium - Total	0.100	J	1	0.100	1.00	1	ug/L	EPA 6010C	
Chromium - Total	4.26	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Zinc - Total	7.58	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4103-DUPLICATEII — **Lab ID: C105309-13**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Arsenic - Total	3.11	JB	1	2.80	10.0	10	ug/L	EPA 6010C	J-01
Barium - Total	13.4	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total	1.68	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Selenium - Total	1.04	J	1	0.830	1.00	10	ug/L	EPA 6020A	

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ANALYTICAL RESULTS

Description: 4103-II1
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-01
Sampled: 05/09/11 11:05
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	05/16/11 02:53	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	05/16/11 02:53	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	05/16/11 02:53	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 02:53	JKG	
1,1-Dichloroethane [75-34-3] ^	**1.1**	J	ug/L	1	0.080	1.0	5	EPA 8260B	05/16/11 02:53	JKG	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	05/16/11 02:53	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/16/11 02:53	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/16/11 02:53	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 02:53	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	05/16/11 02:53	JKG	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	05/16/11 02:53	JKG	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	05/16/11 02:53	JKG	
1,4-Dichlorobenzene [106-46-7] ^	**4.0**		ug/L	1	0.79	1.0	1	EPA 8260B	05/16/11 02:53	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	05/16/11 02:53	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	05/16/11 02:53	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/16/11 02:53	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	05/16/11 02:53	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	05/16/11 02:53	JKG	
Benzene [71-43-2] ^	**0.78**	J	ug/L	1	0.68	1.0	1	EPA 8260B	05/16/11 02:53	JKG	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	05/16/11 02:53	JKG	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	05/16/11 02:53	JKG	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	05/16/11 02:53	JKG	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	05/16/11 02:53	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/16/11 02:53	JKG	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	05/16/11 02:53	JKG	
Chlorobenzene [108-90-7] ^	**1.2**	J	ug/L	1	0.74	1.0	3	EPA 8260B	05/16/11 02:53	JKG	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	05/16/11 02:53	JKG	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	05/16/11 02:53	JKG	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	05/16/11 02:53	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	**0.88**	J	ug/L	1	0.72	1.0	5	EPA 8260B	05/16/11 02:53	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	05/16/11 02:53	JKG	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	05/16/11 02:53	JKG	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	05/16/11 02:53	JKG	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	05/16/11 02:53	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	05/16/11 02:53	JKG	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/16/11 02:53	JKG	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	05/16/11 02:53	JKG	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	05/16/11 02:53	JKG	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	05/16/11 02:53	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	05/16/11 02:53	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	05/16/11 02:53	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	05/16/11 02:53	JKG	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/16/11 02:53	JKG	

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Description: 4103-II1
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-01
Sampled: 05/09/11 11:05
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 02:53	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	05/16/11 02:53	JKG	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	05/16/11 02:53	JKG	
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	05/16/11 02:53	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*51*	*1*	*50.0*	*101 %*	*51-122*	*1E15003*	*EPA 8260B*	*05/16/11 02:53*	*JKG*	
Dibromofluoromethane	*44*	*1*	*50.0*	*88 %*	*68-117*	*1E15003*	*EPA 8260B*	*05/16/11 02:53*	*JKG*	
Toluene-d8	*46*	*1*	*50.0*	*93 %*	*69-110*	*1E15003*	*EPA 8260B*	*05/16/11 02:53*	*JKG*	

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Description: 4103-II1 | **Lab Sample ID:** C105309-01 | **Received:** 05/11/11 10:00

Matrix: Ground Water | **Sampled:** 05/09/11 11:05 | **Work Order:** C105309

Project: White Street Landfill App Is (Phase II) | **Sampled By:** Gary Simcox

Metals (total recoverable) 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] ^	**0.365**	J	ug/L	1	0.220	2.00	6	EPA 6020A	05/17/11 13:12	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	05/12/11 10:49	JDH	
Barium [7440-39-3] ^	**415**		ug/L	1	1.00	10.0	100	EPA 6010C	05/12/11 10:49	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	05/12/11 10:49	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	05/12/11 10:49	JDH	
Chromium [7440-47-3] ^	**4.93**	J	ug/L	1	1.00	10.0	10	EPA 6010C	05/12/11 10:49	JDH	
Cobalt [7440-48-4] ^	**22.4**		ug/L	1	1.10	10.0	10	EPA 6010C	05/12/11 10:49	JDH	
Copper [7440-50-8] ^	**17.3**		ug/L	1	1.60	10.0	10	EPA 6010C	05/12/11 10:49	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/12/11 10:49	JDH	
Nickel [7440-02-0] ^	**20.2**	J	ug/L	1	1.80	10.0	50	EPA 6010C	05/12/11 10:49	JDH	
Selenium [7782-49-2] ^	**29.9**		ug/L	1	0.830	1.00	10	EPA 6020A	05/17/11 13:12	VLO	
Silver [7440-22-4] ^	**2.84**	J	ug/L	1	1.90	10.0	10	EPA 6010C	05/12/11 10:49	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	05/17/11 13:12	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	05/12/11 10:49	JDH	
Zinc [7440-66-6] ^	**5.52**	J	ug/L	1	3.80	10.0	10	EPA 6010C	05/12/11 10:49	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: 4103-II2
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-02
Sampled: 05/09/11 14:00
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	05/16/11 03:23	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	05/16/11 03:23	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	05/16/11 03:23	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 03:23	JKG	
1,1-Dichloroethane [75-34-3] ^	**16**		ug/L	1	0.080	1.0	5	EPA 8260B	05/16/11 03:23	JKG	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	05/16/11 03:23	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/16/11 03:23	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/16/11 03:23	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 03:23	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	05/16/11 03:23	JKG	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	05/16/11 03:23	JKG	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	05/16/11 03:23	JKG	
1,4-Dichlorobenzene [106-46-7] ^	**0.87**	J	ug/L	1	0.79	1.0	1	EPA 8260B	05/16/11 03:23	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	05/16/11 03:23	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	05/16/11 03:23	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/16/11 03:23	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	05/16/11 03:23	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	05/16/11 03:23	JKG	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	05/16/11 03:23	JKG	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	05/16/11 03:23	JKG	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	05/16/11 03:23	JKG	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	05/16/11 03:23	JKG	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	05/16/11 03:23	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/16/11 03:23	JKG	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	05/16/11 03:23	JKG	
Chlorobenzene [108-90-7] ^	**0.78**	J	ug/L	1	0.74	1.0	3	EPA 8260B	05/16/11 03:23	JKG	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	05/16/11 03:23	JKG	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	05/16/11 03:23	JKG	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	05/16/11 03:23	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	**21**		ug/L	1	0.72	1.0	5	EPA 8260B	05/16/11 03:23	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	05/16/11 03:23	JKG	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	05/16/11 03:23	JKG	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	05/16/11 03:23	JKG	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	05/16/11 03:23	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	05/16/11 03:23	JKG	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/16/11 03:23	JKG	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	05/16/11 03:23	JKG	
Tetrachloroethene [127-18-4] ^	**2.9**		ug/L	1	0.73	1.0	1	EPA 8260B	05/16/11 03:23	JKG	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	05/16/11 03:23	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	05/16/11 03:23	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	05/16/11 03:23	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	05/16/11 03:23	JKG	
Trichloroethene [79-01-6] ^	**3.3**		ug/L	1	0.72	1.0	1	EPA 8260B	05/16/11 03:23	JKG	
Trichlorofluoromethane [75-69-4] ^	**1.2**		ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 03:23	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	05/16/11 03:23	JKG	
Vinyl chloride [75-01-4] ^	**5.1**		ug/L	1	0.60	1.0	1	EPA 8260B	05/16/11 03:23	JKG	

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Description: 4103-II2
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-02
Sampled: 05/09/11 14:00
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	05/16/11 03:23	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*51*	*1*	*50.0*	*103 %*	*51-122*	*1E15003*	*EPA 8260B*	*05/16/11 03:23*	*JKG*	
Dibromofluoromethane	*44*	*1*	*50.0*	*88 %*	*68-117*	*1E15003*	*EPA 8260B*	*05/16/11 03:23*	*JKG*	
Toluene-d8	*48*	*1*	*50.0*	*95 %*	*69-110*	*1E15003*	*EPA 8260B*	*05/16/11 03:23*	*JKG*	

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Description: 4103-II2
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-02
Sampled: 05/09/11 14:00
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

Metals (total recoverable) 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] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	05/17/11 13:16	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	05/12/11 11:23	JDH	
Barium [7440-39-3] ^	**53.5**	J	ug/L	1	1.00	10.0	100	EPA 6010C	05/12/11 11:23	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	05/12/11 11:23	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	05/12/11 11:23	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	05/12/11 11:23	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	05/12/11 11:23	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	05/12/11 11:23	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/12/11 11:23	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	05/12/11 11:23	JDH	
Selenium [7782-49-2] ^	**6.46**	J	ug/L	1	0.830	1.00	10	EPA 6020A	05/17/11 13:16	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/12/11 11:23	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	05/17/11 13:16	VLO	
Vanadium [7440-62-2] ^	**3.11**	J	ug/L	1	1.40	10.0	25	EPA 6010C	05/12/11 11:23	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	05/12/11 11:23	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: 4103-II3
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-03
Sampled: 05/09/11 15:20
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	05/16/11 03:52	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	05/16/11 03:52	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	05/16/11 03:52	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 03:52	JKG	
1,1-Dichloroethane [75-34-3] ^	**14**		ug/L	1	0.080	1.0	5	EPA 8260B	05/16/11 03:52	JKG	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	05/16/11 03:52	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/16/11 03:52	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/16/11 03:52	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 03:52	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	05/16/11 03:52	JKG	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	05/16/11 03:52	JKG	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	05/16/11 03:52	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	05/16/11 03:52	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	05/16/11 03:52	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	05/16/11 03:52	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/16/11 03:52	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	05/16/11 03:52	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	05/16/11 03:52	JKG	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	05/16/11 03:52	JKG	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	05/16/11 03:52	JKG	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	05/16/11 03:52	JKG	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	05/16/11 03:52	JKG	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	05/16/11 03:52	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/16/11 03:52	JKG	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	05/16/11 03:52	JKG	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	05/16/11 03:52	JKG	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	05/16/11 03:52	JKG	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	05/16/11 03:52	JKG	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	05/16/11 03:52	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	**1.7**	J	ug/L	1	0.72	1.0	5	EPA 8260B	05/16/11 03:52	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	05/16/11 03:52	JKG	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	05/16/11 03:52	JKG	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	05/16/11 03:52	JKG	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	05/16/11 03:52	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	05/16/11 03:52	JKG	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/16/11 03:52	JKG	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	05/16/11 03:52	JKG	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	05/16/11 03:52	JKG	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	05/16/11 03:52	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	05/16/11 03:52	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	05/16/11 03:52	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	05/16/11 03:52	JKG	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/16/11 03:52	JKG	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 03:52	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	05/16/11 03:52	JKG	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	05/16/11 03:52	JKG	

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Description: 4103-II3
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-03
Sampled: 05/09/11 15:20
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	05/16/11 03:52	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*46*	*1*	*50.0*	*91 %*	*51-122*	*1E15003*	*EPA 8260B*	*05/16/11 03:52*	*JKG*	
Dibromofluoromethane	*44*	*1*	*50.0*	*88 %*	*68-117*	*1E15003*	*EPA 8260B*	*05/16/11 03:52*	*JKG*	
Toluene-d8	*45*	*1*	*50.0*	*90 %*	*69-110*	*1E15003*	*EPA 8260B*	*05/16/11 03:52*	*JKG*	

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Description: 4103-II3
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-03
Sampled: 05/09/11 15:20
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

Metals (total recoverable) 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] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	05/17/11 13:19	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	05/12/11 11:52	JDH	
Barium [7440-39-3] ^	**207**		ug/L	1	1.00	10.0	100	EPA 6010C	05/12/11 11:52	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	05/12/11 11:52	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	05/12/11 11:52	JDH	
Chromium [7440-47-3] ^	**1.87**	J	ug/L	1	1.00	10.0	10	EPA 6010C	05/12/11 11:52	JDH	
Cobalt [7440-48-4] ^	**21.2**		ug/L	1	1.10	10.0	10	EPA 6010C	05/12/11 11:52	JDH	
Copper [7440-50-8] ^	**1.79**	J	ug/L	1	1.60	10.0	10	EPA 6010C	05/12/11 11:52	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/12/11 11:52	JDH	
Nickel [7440-02-0] ^	**10.9**	J	ug/L	1	1.80	10.0	50	EPA 6010C	05/12/11 11:52	JDH	
Selenium [7782-49-2] ^	**6.00**	J	ug/L	1	0.830	1.00	10	EPA 6020A	05/17/11 13:19	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/12/11 11:52	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	05/17/11 13:19	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	05/12/11 11:52	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	05/12/11 11:52	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: 4103-II4
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-04
Sampled: 05/10/11 09:00
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	05/18/11 02:13	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	05/18/11 02:13	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	05/18/11 02:13	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/18/11 02:13	jkg	
1,1-Dichloroethane [75-34-3] ^	**2.1**	J	ug/L	1	0.080	1.0	5	EPA 8260B	05/18/11 02:13	jkg	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	05/18/11 02:13	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/18/11 02:13	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/18/11 02:13	jkg	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/18/11 02:13	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	05/18/11 02:13	jkg	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	05/18/11 02:13	jkg	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	05/18/11 02:13	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	05/18/11 02:13	jkg	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	05/18/11 02:13	jkg	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	05/18/11 02:13	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/18/11 02:13	jkg	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	05/18/11 02:13	jkg	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	05/18/11 02:13	jkg	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	05/18/11 02:13	jkg	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	05/18/11 02:13	jkg	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	05/18/11 02:13	jkg	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	05/18/11 02:13	jkg	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	05/18/11 02:13	jkg	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/18/11 02:13	jkg	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	05/18/11 02:13	jkg	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	05/18/11 02:13	jkg	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	05/18/11 02:13	jkg	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	05/18/11 02:13	jkg	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	05/18/11 02:13	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	05/18/11 02:13	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	05/18/11 02:13	jkg	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	05/18/11 02:13	jkg	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	05/18/11 02:13	jkg	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	05/18/11 02:13	jkg	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	05/18/11 02:13	jkg	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/18/11 02:13	jkg	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	05/18/11 02:13	jkg	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	05/18/11 02:13	jkg	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	05/18/11 02:13	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	05/18/11 02:13	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	05/18/11 02:13	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	05/18/11 02:13	jkg	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/18/11 02:13	jkg	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/18/11 02:13	jkg	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	05/18/11 02:13	jkg	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	05/18/11 02:13	jkg	

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Description: 4103-II4
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-04
Sampled: 05/10/11 09:00
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	05/18/11 02:13	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*49*	*1*	*50.0*	*98 %*	*51-122*	*1E17019*	*EPA 8260B*	*05/18/11 02:13*	*jkg*	
Dibromofluoromethane	*47*	*1*	*50.0*	*95 %*	*68-117*	*1E17019*	*EPA 8260B*	*05/18/11 02:13*	*jkg*	
Toluene-d8	*44*	*1*	*50.0*	*89 %*	*69-110*	*1E17019*	*EPA 8260B*	*05/18/11 02:13*	*jkg*	

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Description: 4103-II4
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-04
Sampled: 05/10/11 09:00
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

Metals (total recoverable) 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] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	05/17/11 13:23	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	05/12/11 11:54	JDH	
Barium [7440-39-3] ^	**389**		ug/L	1	1.00	10.0	100	EPA 6010C	05/12/11 11:54	JDH	
Beryllium [7440-41-7] ^	**0.143**	J	ug/L	1	0.100	1.00	1	EPA 6010C	05/12/11 11:54	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	05/12/11 11:54	JDH	
Chromium [7440-47-3] ^	**1.67**	J	ug/L	1	1.00	10.0	10	EPA 6010C	05/12/11 11:54	JDH	
Cobalt [7440-48-4] ^	**9.26**	J	ug/L	1	1.10	10.0	10	EPA 6010C	05/12/11 11:54	JDH	
Copper [7440-50-8] ^	**20.8**		ug/L	1	1.60	10.0	10	EPA 6010C	05/12/11 11:54	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/12/11 11:54	JDH	
Nickel [7440-02-0] ^	**12.3**	J	ug/L	1	1.80	10.0	50	EPA 6010C	05/12/11 11:54	JDH	
Selenium [7782-49-2] ^	**4.65**	J	ug/L	1	0.830	1.00	10	EPA 6020A	05/17/11 13:23	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/12/11 11:54	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	05/17/11 13:23	VLO	
Vanadium [7440-62-2] ^	**33.7**		ug/L	1	1.40	10.0	25	EPA 6010C	05/12/11 11:54	JDH	
Zinc [7440-66-6] ^	**39.9**		ug/L	1	3.80	10.0	10	EPA 6010C	05/12/11 11:54	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: 4103-II5
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-05
Sampled: 05/09/11 16:30
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	05/16/11 04:21	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	05/16/11 04:21	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	05/16/11 04:21	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 04:21	JKG	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	05/16/11 04:21	JKG	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	05/16/11 04:21	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/16/11 04:21	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/16/11 04:21	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 04:21	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	05/16/11 04:21	JKG	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	05/16/11 04:21	JKG	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	05/16/11 04:21	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	05/16/11 04:21	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	05/16/11 04:21	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	05/16/11 04:21	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/16/11 04:21	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	05/16/11 04:21	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	05/16/11 04:21	JKG	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	05/16/11 04:21	JKG	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	05/16/11 04:21	JKG	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	05/16/11 04:21	JKG	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	05/16/11 04:21	JKG	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	05/16/11 04:21	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/16/11 04:21	JKG	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	05/16/11 04:21	JKG	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	05/16/11 04:21	JKG	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	05/16/11 04:21	JKG	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	05/16/11 04:21	JKG	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	05/16/11 04:21	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	05/16/11 04:21	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	05/16/11 04:21	JKG	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	05/16/11 04:21	JKG	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	05/16/11 04:21	JKG	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	05/16/11 04:21	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	05/16/11 04:21	JKG	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/16/11 04:21	JKG	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	05/16/11 04:21	JKG	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	05/16/11 04:21	JKG	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	05/16/11 04:21	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	05/16/11 04:21	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	05/16/11 04:21	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	05/16/11 04:21	JKG	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/16/11 04:21	JKG	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 04:21	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	05/16/11 04:21	JKG	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	05/16/11 04:21	JKG	

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Description: 4103-II5
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-05
Sampled: 05/09/11 16:30
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	05/16/11 04:21	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*48*	*1*	*50.0*	*97 %*	*51-122*	*1E15003*	*EPA 8260B*	*05/16/11 04:21*	*JKG*	
Dibromofluoromethane	*43*	*1*	*50.0*	*86 %*	*68-117*	*1E15003*	*EPA 8260B*	*05/16/11 04:21*	*JKG*	
Toluene-d8	*46*	*1*	*50.0*	*92 %*	*69-110*	*1E15003*	*EPA 8260B*	*05/16/11 04:21*	*JKG*	

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Description: 4103-II5
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-05
Sampled: 05/09/11 16:30
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

Metals (total recoverable) 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] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	05/17/11 12:38	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	05/12/11 11:56	JDH	
Barium [7440-39-3] ^	**91.4**	J	ug/L	1	1.00	10.0	100	EPA 6010C	05/12/11 11:56	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	05/12/11 11:56	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	05/12/11 11:56	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	05/12/11 11:56	JDH	
Cobalt [7440-48-4] ^	**5.86**	J	ug/L	1	1.10	10.0	10	EPA 6010C	05/12/11 11:56	JDH	
Copper [7440-50-8] ^	**2.89**	J	ug/L	1	1.60	10.0	10	EPA 6010C	05/12/11 11:56	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/12/11 11:56	JDH	
Nickel [7440-02-0] ^	**3.66**	J	ug/L	1	1.80	10.0	50	EPA 6010C	05/12/11 11:56	JDH	
Selenium [7782-49-2] ^	**1.91**	J	ug/L	1	0.830	1.00	10	EPA 6020A	05/17/11 12:38	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/12/11 11:56	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	05/17/11 12:38	VLO	
Vanadium [7440-62-2] ^	**6.65**	J	ug/L	1	1.40	10.0	25	EPA 6010C	05/12/11 11:56	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	05/12/11 11:56	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: 4103-II6
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-06
Sampled: 05/09/11 10:05
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	05/16/11 04:50	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	05/16/11 04:50	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	05/16/11 04:50	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 04:50	JKG	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	05/16/11 04:50	JKG	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	05/16/11 04:50	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/16/11 04:50	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/16/11 04:50	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 04:50	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	05/16/11 04:50	JKG	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	05/16/11 04:50	JKG	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	05/16/11 04:50	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	05/16/11 04:50	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	05/16/11 04:50	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	05/16/11 04:50	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/16/11 04:50	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	05/16/11 04:50	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	05/16/11 04:50	JKG	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	05/16/11 04:50	JKG	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	05/16/11 04:50	JKG	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	05/16/11 04:50	JKG	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	05/16/11 04:50	JKG	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	05/16/11 04:50	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/16/11 04:50	JKG	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	05/16/11 04:50	JKG	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	05/16/11 04:50	JKG	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	05/16/11 04:50	JKG	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	05/16/11 04:50	JKG	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	05/16/11 04:50	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	05/16/11 04:50	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	05/16/11 04:50	JKG	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	05/16/11 04:50	JKG	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	05/16/11 04:50	JKG	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	05/16/11 04:50	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	05/16/11 04:50	JKG	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/16/11 04:50	JKG	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	05/16/11 04:50	JKG	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	05/16/11 04:50	JKG	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	05/16/11 04:50	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	05/16/11 04:50	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	05/16/11 04:50	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	05/16/11 04:50	JKG	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/16/11 04:50	JKG	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 04:50	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	05/16/11 04:50	JKG	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	05/16/11 04:50	JKG	

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Description: 4103-II6
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-06
Sampled: 05/09/11 10:05
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	05/16/11 04:50	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*51*	*1*	*50.0*	*102 %*	*51-122*	*1E15003*	*EPA 8260B*	*05/16/11 04:50*	*JKG*	
Dibromofluoromethane	*43*	*1*	*50.0*	*85 %*	*68-117*	*1E15003*	*EPA 8260B*	*05/16/11 04:50*	*JKG*	
Toluene-d8	*49*	*1*	*50.0*	*99 %*	*69-110*	*1E15003*	*EPA 8260B*	*05/16/11 04:50*	*JKG*	

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Description: 4103-II6
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-06
Sampled: 05/09/11 10:05
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

Metals (total recoverable) 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] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	05/17/11 13:27	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	05/12/11 11:58	JDH	
Barium [7440-39-3] ^	**104**		ug/L	1	1.00	10.0	100	EPA 6010C	05/12/11 11:58	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	05/12/11 11:58	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	05/12/11 11:58	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	05/12/11 11:58	JDH	
Cobalt [7440-48-4] ^	**4.91**	J	ug/L	1	1.10	10.0	10	EPA 6010C	05/12/11 11:58	JDH	
Copper [7440-50-8] ^	**2.46**	J	ug/L	1	1.60	10.0	10	EPA 6010C	05/12/11 11:58	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/12/11 11:58	JDH	
Nickel [7440-02-0] ^	**9.44**	J	ug/L	1	1.80	10.0	50	EPA 6010C	05/12/11 11:58	JDH	
Selenium [7782-49-2] ^	**4.76**	J	ug/L	1	0.830	1.00	10	EPA 6020A	05/17/11 13:27	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/12/11 11:58	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	05/17/11 13:27	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	05/12/11 11:58	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	05/12/11 11:58	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: 4103-II7
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-07
Sampled: 05/09/11 12:45
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	05/16/11 05:19	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	05/16/11 05:19	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	05/16/11 05:19	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 05:19	JKG	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	05/16/11 05:19	JKG	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	05/16/11 05:19	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/16/11 05:19	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/16/11 05:19	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 05:19	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	05/16/11 05:19	JKG	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	05/16/11 05:19	JKG	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	05/16/11 05:19	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	05/16/11 05:19	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	05/16/11 05:19	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	05/16/11 05:19	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/16/11 05:19	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	05/16/11 05:19	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	05/16/11 05:19	JKG	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	05/16/11 05:19	JKG	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	05/16/11 05:19	JKG	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	05/16/11 05:19	JKG	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	05/16/11 05:19	JKG	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	05/16/11 05:19	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/16/11 05:19	JKG	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	05/16/11 05:19	JKG	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	05/16/11 05:19	JKG	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	05/16/11 05:19	JKG	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	05/16/11 05:19	JKG	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	05/16/11 05:19	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	05/16/11 05:19	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	05/16/11 05:19	JKG	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	05/16/11 05:19	JKG	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	05/16/11 05:19	JKG	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	05/16/11 05:19	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	05/16/11 05:19	JKG	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/16/11 05:19	JKG	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	05/16/11 05:19	JKG	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	05/16/11 05:19	JKG	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	05/16/11 05:19	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	05/16/11 05:19	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	05/16/11 05:19	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	05/16/11 05:19	JKG	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/16/11 05:19	JKG	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 05:19	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	05/16/11 05:19	JKG	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	05/16/11 05:19	JKG	

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Description: 4103-II7
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-07
Sampled: 05/09/11 12:45
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	05/16/11 05:19	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*49*	*1*	*50.0*	*98 %*	*51-122*	*1E15003*	*EPA 8260B*	*05/16/11 05:19*	*JKG*	
Dibromofluoromethane	*44*	*1*	*50.0*	*87 %*	*68-117*	*1E15003*	*EPA 8260B*	*05/16/11 05:19*	*JKG*	
Toluene-d8	*47*	*1*	*50.0*	*93 %*	*69-110*	*1E15003*	*EPA 8260B*	*05/16/11 05:19*	*JKG*	

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Description: 4103-II7
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-07
Sampled: 05/09/11 12:45
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

Metals (total recoverable) 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] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	05/17/11 13:31	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	05/12/11 12:00	JDH	
Barium [7440-39-3] ^	**13.1**	J	ug/L	1	1.00	10.0	100	EPA 6010C	05/12/11 12:00	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	05/12/11 12:00	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	05/12/11 12:00	JDH	
Chromium [7440-47-3] ^	**1.04**	J	ug/L	1	1.00	10.0	10	EPA 6010C	05/12/11 12:00	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	05/12/11 12:00	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	05/12/11 12:00	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/12/11 12:00	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	05/12/11 12:00	JDH	
Selenium [7782-49-2] ^	**1.08**	J	ug/L	1	0.830	1.00	10	EPA 6020A	05/17/11 13:31	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/12/11 12:00	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	05/17/11 13:31	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	05/12/11 12:00	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	05/12/11 12:00	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: 4103-II7B
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-08
Sampled: 05/09/11 12:05
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	05/16/11 05:49	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	05/16/11 05:49	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	05/16/11 05:49	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 05:49	JKG	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	05/16/11 05:49	JKG	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	05/16/11 05:49	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/16/11 05:49	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/16/11 05:49	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 05:49	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	05/16/11 05:49	JKG	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	05/16/11 05:49	JKG	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	05/16/11 05:49	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	05/16/11 05:49	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	05/16/11 05:49	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	05/16/11 05:49	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/16/11 05:49	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	05/16/11 05:49	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	05/16/11 05:49	JKG	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	05/16/11 05:49	JKG	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	05/16/11 05:49	JKG	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	05/16/11 05:49	JKG	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	05/16/11 05:49	JKG	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	05/16/11 05:49	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/16/11 05:49	JKG	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	05/16/11 05:49	JKG	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	05/16/11 05:49	JKG	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	05/16/11 05:49	JKG	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	05/16/11 05:49	JKG	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	05/16/11 05:49	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	05/16/11 05:49	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	05/16/11 05:49	JKG	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	05/16/11 05:49	JKG	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	05/16/11 05:49	JKG	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	05/16/11 05:49	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	05/16/11 05:49	JKG	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/16/11 05:49	JKG	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	05/16/11 05:49	JKG	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	05/16/11 05:49	JKG	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	05/16/11 05:49	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	05/16/11 05:49	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	05/16/11 05:49	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	05/16/11 05:49	JKG	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/16/11 05:49	JKG	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 05:49	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	05/16/11 05:49	JKG	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	05/16/11 05:49	JKG	

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Description: 4103-II7B
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-08
Sampled: 05/09/11 12:05
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	05/16/11 05:49	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*48*	*1*	*50.0*	*96 %*	*51-122*	*1E15003*	*EPA 8260B*	*05/16/11 05:49*	*JKG*	
Dibromofluoromethane	*41*	*1*	*50.0*	*82 %*	*68-117*	*1E15003*	*EPA 8260B*	*05/16/11 05:49*	*JKG*	
Toluene-d8	*48*	*1*	*50.0*	*95 %*	*69-110*	*1E15003*	*EPA 8260B*	*05/16/11 05:49*	*JKG*	

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Description: 4103-II7B
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-08
Sampled: 05/09/11 12:05
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

Metals (total recoverable) 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] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	05/17/11 13:34	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	05/12/11 12:02	JDH	
Barium [7440-39-3] ^	**10.6**	J	ug/L	1	1.00	10.0	100	EPA 6010C	05/12/11 12:02	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	05/12/11 12:02	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	05/12/11 12:02	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	05/12/11 12:02	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	05/12/11 12:02	JDH	
Copper [7440-50-8] ^	**1.81**	J	ug/L	1	1.60	10.0	10	EPA 6010C	05/12/11 12:02	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/12/11 12:02	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	05/12/11 12:02	JDH	
Selenium [7782-49-2] ^	**1.10**	J	ug/L	1	0.830	1.00	10	EPA 6020A	05/17/11 13:34	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/12/11 12:02	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	05/17/11 13:34	VLO	
Vanadium [7440-62-2] ^	**9.54**	J	ug/L	1	1.40	10.0	25	EPA 6010C	05/12/11 12:02	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	05/12/11 12:02	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: 4103-II8
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-09
Sampled: 05/09/11 09:00
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	05/16/11 06:18	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	05/16/11 06:18	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	05/16/11 06:18	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 06:18	JKG	
1,1-Dichloroethane [75-34-3] ^	**0.79**	J	ug/L	1	0.080	1.0	5	EPA 8260B	05/16/11 06:18	JKG	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	05/16/11 06:18	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/16/11 06:18	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/16/11 06:18	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 06:18	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	05/16/11 06:18	JKG	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	05/16/11 06:18	JKG	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	05/16/11 06:18	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	05/16/11 06:18	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	05/16/11 06:18	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	05/16/11 06:18	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/16/11 06:18	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	05/16/11 06:18	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	05/16/11 06:18	JKG	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	05/16/11 06:18	JKG	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	05/16/11 06:18	JKG	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	05/16/11 06:18	JKG	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	05/16/11 06:18	JKG	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	05/16/11 06:18	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/16/11 06:18	JKG	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	05/16/11 06:18	JKG	
Chlorobenzene [108-90-7] ^	**2.3**	J	ug/L	1	0.74	1.0	3	EPA 8260B	05/16/11 06:18	JKG	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	05/16/11 06:18	JKG	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	05/16/11 06:18	JKG	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	05/16/11 06:18	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	05/16/11 06:18	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	05/16/11 06:18	JKG	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	05/16/11 06:18	JKG	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	05/16/11 06:18	JKG	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	05/16/11 06:18	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	05/16/11 06:18	JKG	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/16/11 06:18	JKG	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	05/16/11 06:18	JKG	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	05/16/11 06:18	JKG	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	05/16/11 06:18	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	05/16/11 06:18	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	05/16/11 06:18	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	05/16/11 06:18	JKG	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/16/11 06:18	JKG	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 06:18	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	05/16/11 06:18	JKG	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	05/16/11 06:18	JKG	

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Description: 4103-II8 | **Lab Sample ID:** C105309-09 | **Received:** 05/11/11 10:00

Matrix: Ground Water | **Sampled:** 05/09/11 09:00 | **Work Order:** C105309

Project: White Street Landfill App Is (Phase II) | **Sampled By:** Gary Simcox

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	05/16/11 06:18	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*51*	*1*	*50.0*	*102 %*	*51-122*	*1E15003*	*EPA 8260B*	*05/16/11 06:18*	*JKG*	
Dibromofluoromethane	*47*	*1*	*50.0*	*93 %*	*68-117*	*1E15003*	*EPA 8260B*	*05/16/11 06:18*	*JKG*	
Toluene-d8	*47*	*1*	*50.0*	*94 %*	*69-110*	*1E15003*	*EPA 8260B*	*05/16/11 06:18*	*JKG*	

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Description: 4103-II8 | **Lab Sample ID:** C105309-09 | **Received:** 05/11/11 10:00

Matrix: Ground Water | **Sampled:** 05/09/11 09:00 | **Work Order:** C105309

Project: White Street Landfill App Is (Phase II) | **Sampled By:** Gary Simcox

Metals (total recoverable) 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] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	05/17/11 13:46	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	05/12/11 12:05	JDH	
Barium [7440-39-3] ^	**105**		ug/L	1	1.00	10.0	100	EPA 6010C	05/12/11 12:05	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	05/12/11 12:05	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	05/12/11 12:05	JDH	
Chromium [7440-47-3] ^	**1.42**	J	ug/L	1	1.00	10.0	10	EPA 6010C	05/12/11 12:05	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	05/12/11 12:05	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	05/12/11 12:05	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/12/11 12:05	JDH	
Nickel [7440-02-0] ^	**17.7**	J	ug/L	1	1.80	10.0	50	EPA 6010C	05/12/11 12:05	JDH	
Selenium [7782-49-2] ^	**24.7**		ug/L	1	0.830	1.00	10	EPA 6020A	05/17/11 13:46	VLO	
Silver [7440-22-4] ^	**2.28**	J	ug/L	1	1.90	10.0	10	EPA 6010C	05/12/11 12:05	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	05/17/11 13:46	VLO	
Vanadium [7440-62-2] ^	**1.80**	J	ug/L	1	1.40	10.0	25	EPA 6010C	05/12/11 12:05	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	05/12/11 12:05	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: 4103-II12
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-10
Sampled: 05/10/11 12:45
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	05/18/11 21:24	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	05/18/11 21:24	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	05/18/11 21:24	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/18/11 21:24	jkg	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	05/18/11 21:24	jkg	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	05/18/11 21:24	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/18/11 21:24	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/18/11 21:24	jkg	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/18/11 21:24	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	05/18/11 21:24	jkg	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	05/18/11 21:24	jkg	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	05/18/11 21:24	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	05/18/11 21:24	jkg	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	05/18/11 21:24	jkg	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	05/18/11 21:24	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/18/11 21:24	jkg	
Acetone [67-64-1] ^	**16**	J	ug/L	1	1.2	5.0	100	EPA 8260B	05/18/11 21:24	jkg	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	05/18/11 21:24	jkg	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	05/18/11 21:24	jkg	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	05/18/11 21:24	jkg	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	05/18/11 21:24	jkg	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	05/18/11 21:24	jkg	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	05/18/11 21:24	jkg	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/18/11 21:24	jkg	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	05/18/11 21:24	jkg	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	05/18/11 21:24	jkg	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	05/18/11 21:24	jkg	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	05/18/11 21:24	jkg	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	05/18/11 21:24	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	05/18/11 21:24	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	05/18/11 21:24	jkg	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	05/18/11 21:24	jkg	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	05/18/11 21:24	jkg	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	05/18/11 21:24	jkg	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	05/18/11 21:24	jkg	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/18/11 21:24	jkg	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	05/18/11 21:24	jkg	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	05/18/11 21:24	jkg	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	05/18/11 21:24	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	05/18/11 21:24	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	05/18/11 21:24	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	05/18/11 21:24	jkg	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/18/11 21:24	jkg	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/18/11 21:24	jkg	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	05/18/11 21:24	jkg	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	05/18/11 21:24	jkg	

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Description: 4103-II12
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-10
Sampled: 05/10/11 12:45
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	05/18/11 21:24	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*49*	*1*	*50.0*	*97 %*	*51-122*	*1E18008*	*EPA 8260B*	*05/18/11 21:24*	*jkg*	
Dibromofluoromethane	*47*	*1*	*50.0*	*94 %*	*68-117*	*1E18008*	*EPA 8260B*	*05/18/11 21:24*	*jkg*	
Toluene-d8	*46*	*1*	*50.0*	*93 %*	*69-110*	*1E18008*	*EPA 8260B*	*05/18/11 21:24*	*jkg*	

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Description: 4103-II12
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-10
Sampled: 05/10/11 12:45
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

Metals (total recoverable) 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] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	05/17/11 13:58	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	05/12/11 12:08	JDH	
Barium [7440-39-3] ^	**397**		ug/L	1	1.00	10.0	100	EPA 6010C	05/12/11 12:08	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	05/12/11 12:08	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	05/12/11 12:08	JDH	
Chromium [7440-47-3] ^	**1.17**	J	ug/L	1	1.00	10.0	10	EPA 6010C	05/12/11 12:08	JDH	
Cobalt [7440-48-4] ^	**8.16**	J	ug/L	1	1.10	10.0	10	EPA 6010C	05/12/11 12:08	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	05/12/11 12:08	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/12/11 12:08	JDH	
Nickel [7440-02-0] ^	**11.2**	J	ug/L	1	1.80	10.0	50	EPA 6010C	05/12/11 12:08	JDH	
Selenium [7782-49-2] ^	**3.38**	J	ug/L	1	0.830	1.00	10	EPA 6020A	05/17/11 13:58	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/12/11 12:08	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	05/17/11 13:58	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	05/12/11 12:08	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	05/12/11 12:08	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: 4103-MW13
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-11
Sampled: 05/10/11 11:15
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	05/18/11 21:54	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	05/18/11 21:54	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	05/18/11 21:54	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/18/11 21:54	jkg	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	05/18/11 21:54	jkg	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	05/18/11 21:54	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/18/11 21:54	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/18/11 21:54	jkg	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/18/11 21:54	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	05/18/11 21:54	jkg	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	05/18/11 21:54	jkg	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	05/18/11 21:54	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	05/18/11 21:54	jkg	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	05/18/11 21:54	jkg	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	05/18/11 21:54	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/18/11 21:54	jkg	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	05/18/11 21:54	jkg	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	05/18/11 21:54	jkg	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	05/18/11 21:54	jkg	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	05/18/11 21:54	jkg	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	05/18/11 21:54	jkg	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	05/18/11 21:54	jkg	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	05/18/11 21:54	jkg	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/18/11 21:54	jkg	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	05/18/11 21:54	jkg	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	05/18/11 21:54	jkg	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	05/18/11 21:54	jkg	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	05/18/11 21:54	jkg	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	05/18/11 21:54	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	05/18/11 21:54	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	05/18/11 21:54	jkg	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	05/18/11 21:54	jkg	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	05/18/11 21:54	jkg	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	05/18/11 21:54	jkg	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	05/18/11 21:54	jkg	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/18/11 21:54	jkg	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	05/18/11 21:54	jkg	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	05/18/11 21:54	jkg	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	05/18/11 21:54	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	05/18/11 21:54	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	05/18/11 21:54	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	05/18/11 21:54	jkg	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/18/11 21:54	jkg	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/18/11 21:54	jkg	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	05/18/11 21:54	jkg	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	05/18/11 21:54	jkg	

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Description: 4103-MW13
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-11
Sampled: 05/10/11 11:15
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	05/18/11 21:54	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*48*	*1*	*50.0*	*96 %*	*51-122*	*1E18008*	*EPA 8260B*	*05/18/11 21:54*	*jkg*	
Dibromofluoromethane	*48*	*1*	*50.0*	*97 %*	*68-117*	*1E18008*	*EPA 8260B*	*05/18/11 21:54*	*jkg*	
Toluene-d8	*44*	*1*	*50.0*	*88 %*	*69-110*	*1E18008*	*EPA 8260B*	*05/18/11 21:54*	*jkg*	

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Description: 4103-MW13 | **Lab Sample ID:** C105309-11 | **Received:** 05/11/11 10:00

Matrix: Ground Water | **Sampled:** 05/10/11 11:15 | **Work Order:** C105309

Project: White Street Landfill App Is (Phase II) | **Sampled By:** Gary Simcox

Metals (total recoverable) 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] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	05/17/11 14:02	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	05/12/11 12:10	JDH	
Barium [7440-39-3] ^	**108**		ug/L	1	1.00	10.0	100	EPA 6010C	05/12/11 12:10	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	05/12/11 12:10	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	05/12/11 12:10	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	05/12/11 12:10	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	05/12/11 12:10	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	05/12/11 12:10	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/12/11 12:10	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	05/12/11 12:10	JDH	
Selenium [7782-49-2] ^	**1.07**	J	ug/L	1	0.830	1.00	10	EPA 6020A	05/17/11 14:02	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/12/11 12:10	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	05/17/11 14:02	VLO	
Vanadium [7440-62-2] ^	**3.84**	J	ug/L	1	1.40	10.0	25	EPA 6010C	05/12/11 12:10	JDH	
Zinc [7440-66-6] ^	**4.92**	J	ug/L	1	3.80	10.0	10	EPA 6010C	05/12/11 12:10	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: 4103-MW14
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-12
Sampled: 05/10/11 10:10
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	05/18/11 22:24	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	05/18/11 22:24	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	05/18/11 22:24	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/18/11 22:24	jkg	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	05/18/11 22:24	jkg	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	05/18/11 22:24	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/18/11 22:24	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/18/11 22:24	jkg	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/18/11 22:24	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	05/18/11 22:24	jkg	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	05/18/11 22:24	jkg	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	05/18/11 22:24	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	05/18/11 22:24	jkg	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	05/18/11 22:24	jkg	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	05/18/11 22:24	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/18/11 22:24	jkg	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	05/18/11 22:24	jkg	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	05/18/11 22:24	jkg	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	05/18/11 22:24	jkg	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	05/18/11 22:24	jkg	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	05/18/11 22:24	jkg	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	05/18/11 22:24	jkg	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	05/18/11 22:24	jkg	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/18/11 22:24	jkg	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	05/18/11 22:24	jkg	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	05/18/11 22:24	jkg	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	05/18/11 22:24	jkg	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	05/18/11 22:24	jkg	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	05/18/11 22:24	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	05/18/11 22:24	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	05/18/11 22:24	jkg	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	05/18/11 22:24	jkg	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	05/18/11 22:24	jkg	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	05/18/11 22:24	jkg	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	05/18/11 22:24	jkg	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/18/11 22:24	jkg	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	05/18/11 22:24	jkg	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	05/18/11 22:24	jkg	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	05/18/11 22:24	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	05/18/11 22:24	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	05/18/11 22:24	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	05/18/11 22:24	jkg	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/18/11 22:24	jkg	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/18/11 22:24	jkg	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	05/18/11 22:24	jkg	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	05/18/11 22:24	jkg	

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Description: 4103-MW14
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-12
Sampled: 05/10/11 10:10
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	05/18/11 22:24	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*48*	*1*	*50.0*	*96 %*	*51-122*	*1E18008*	*EPA 8260B*	*05/18/11 22:24*	*jkg*	
Dibromofluoromethane	*49*	*1*	*50.0*	*98 %*	*68-117*	*1E18008*	*EPA 8260B*	*05/18/11 22:24*	*jkg*	
Toluene-d8	*46*	*1*	*50.0*	*93 %*	*69-110*	*1E18008*	*EPA 8260B*	*05/18/11 22:24*	*jkg*	

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Description: 4103-MW14
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-12
Sampled: 05/10/11 10:10
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

Metals (total recoverable) 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] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	05/17/11 14:05	VLO	
Arsenic [7440-38-2] ^	**3.08**	JB	ug/L	1	2.80	10.0	10	EPA 6010C	05/12/11 12:12	JDH	J-01
Barium [7440-39-3] ^	**12.3**	J	ug/L	1	1.00	10.0	100	EPA 6010C	05/12/11 12:12	JDH	
Beryllium [7440-41-7] ^	**0.100**	J	ug/L	1	0.100	1.00	1	EPA 6010C	05/12/11 12:12	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	05/12/11 12:12	JDH	
Chromium [7440-47-3] ^	**4.26**	J	ug/L	1	1.00	10.0	10	EPA 6010C	05/12/11 12:12	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	05/12/11 12:12	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	05/12/11 12:12	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/12/11 12:12	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	05/12/11 12:12	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	05/17/11 14:05	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/12/11 12:12	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	05/17/11 14:05	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	05/12/11 12:12	JDH	
Zinc [7440-66-6] ^	**7.58**	J	ug/L	1	3.80	10.0	10	EPA 6010C	05/12/11 12:12	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: 4103-DUPLICATEII
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-13
Sampled: 05/09/11 08:00
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	05/16/11 06:47	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	05/16/11 06:47	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	05/16/11 06:47	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 06:47	JKG	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	05/16/11 06:47	JKG	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	05/16/11 06:47	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/16/11 06:47	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/16/11 06:47	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 06:47	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	05/16/11 06:47	JKG	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	05/16/11 06:47	JKG	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	05/16/11 06:47	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	05/16/11 06:47	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	05/16/11 06:47	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	05/16/11 06:47	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/16/11 06:47	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	05/16/11 06:47	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	05/16/11 06:47	JKG	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	05/16/11 06:47	JKG	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	05/16/11 06:47	JKG	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	05/16/11 06:47	JKG	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	05/16/11 06:47	JKG	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	05/16/11 06:47	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/16/11 06:47	JKG	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	05/16/11 06:47	JKG	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	05/16/11 06:47	JKG	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	05/16/11 06:47	JKG	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	05/16/11 06:47	JKG	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	05/16/11 06:47	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	05/16/11 06:47	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	05/16/11 06:47	JKG	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	05/16/11 06:47	JKG	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	05/16/11 06:47	JKG	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	05/16/11 06:47	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	05/16/11 06:47	JKG	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/16/11 06:47	JKG	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	05/16/11 06:47	JKG	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	05/16/11 06:47	JKG	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	05/16/11 06:47	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	05/16/11 06:47	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	05/16/11 06:47	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	05/16/11 06:47	JKG	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/16/11 06:47	JKG	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 06:47	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	05/16/11 06:47	JKG	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	05/16/11 06:47	JKG	

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Description: 4103-DUPLICATEII
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-13
Sampled: 05/09/11 08:00
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	05/16/11 06:47	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*49*	*1*	*50.0*	*97 %*	*51-122*	*1E15003*	*EPA 8260B*	*05/16/11 06:47*	*JKG*	
Dibromofluoromethane	*43*	*1*	*50.0*	*86 %*	*68-117*	*1E15003*	*EPA 8260B*	*05/16/11 06:47*	*JKG*	
Toluene-d8	*49*	*1*	*50.0*	*97 %*	*69-110*	*1E15003*	*EPA 8260B*	*05/16/11 06:47*	*JKG*	

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Description: 4103-DUPLICATEII
Matrix: Ground Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-13
Sampled: 05/09/11 08:00
Sampled By: Gary Simcox

Received: 05/11/11 10:00
Work Order: C105309

Metals (total recoverable) 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] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	05/17/11 14:09	VLO	
Arsenic [7440-38-2] ^	**3.11**	JB	ug/L	1	2.80	10.0	10	EPA 6010C	05/12/11 12:21	JDH	J-01
Barium [7440-39-3] ^	**13.4**	J	ug/L	1	1.00	10.0	100	EPA 6010C	05/12/11 12:21	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	05/12/11 12:21	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	05/12/11 12:21	JDH	
Chromium [7440-47-3] ^	**1.68**	J	ug/L	1	1.00	10.0	10	EPA 6010C	05/12/11 12:21	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	05/12/11 12:21	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	05/12/11 12:21	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/12/11 12:21	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	05/12/11 12:21	JDH	
Selenium [7782-49-2] ^	**1.04**	J	ug/L	1	0.830	1.00	10	EPA 6020A	05/17/11 14:09	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/12/11 12:21	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	05/17/11 14:09	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	05/12/11 12:21	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	05/12/11 12:21	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: 4103-TripBlank#2 | **Lab Sample ID:** C105309-14 | **Received:** 05/11/11 10:00

Matrix: Water | **Sampled:** 05/09/11 08:00 | **Work Order:** C105309

Project: White Street Landfill App Is (Phase II) | **Sampled By:** ENCO

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] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	05/16/11 07:16	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	05/16/11 07:16	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	05/16/11 07:16	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 07:16	JKG	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	05/16/11 07:16	JKG	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	05/16/11 07:16	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/16/11 07:16	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/16/11 07:16	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 07:16	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	05/16/11 07:16	JKG	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	05/16/11 07:16	JKG	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	05/16/11 07:16	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	05/16/11 07:16	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	05/16/11 07:16	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	05/16/11 07:16	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/16/11 07:16	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	05/16/11 07:16	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	05/16/11 07:16	JKG	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	05/16/11 07:16	JKG	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	05/16/11 07:16	JKG	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	05/16/11 07:16	JKG	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	05/16/11 07:16	JKG	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	05/16/11 07:16	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/16/11 07:16	JKG	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	05/16/11 07:16	JKG	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	05/16/11 07:16	JKG	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	05/16/11 07:16	JKG	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	05/16/11 07:16	JKG	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	05/16/11 07:16	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	05/16/11 07:16	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	05/16/11 07:16	JKG	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	05/16/11 07:16	JKG	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	05/16/11 07:16	JKG	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	05/16/11 07:16	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	05/16/11 07:16	JKG	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	05/16/11 07:16	JKG	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	05/16/11 07:16	JKG	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	05/16/11 07:16	JKG	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	05/16/11 07:16	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	05/16/11 07:16	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	05/16/11 07:16	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	05/16/11 07:16	JKG	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	05/16/11 07:16	JKG	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	05/16/11 07:16	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	05/16/11 07:16	JKG	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	05/16/11 07:16	JKG	

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Description: 4103-TripBlank#2
Matrix: Water
Project: White Street Landfill App Is (Phase II)

Lab Sample ID: C105309-14
Sampled: 05/09/11 08:00
Sampled By: ENCO

Received: 05/11/11 10:00
Work Order: C105309

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	05/16/11 07:16	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*50*	*1*	*50.0*	*99 %*	*51-122*	*1E15003*	*EPA 8260B*	*05/16/11 07:16*	*JKG*	
Dibromofluoromethane	*46*	*1*	*50.0*	*91 %*	*68-117*	*1E15003*	*EPA 8260B*	*05/16/11 07:16*	*JKG*	
Toluene-d8	*48*	*1*	*50.0*	*97 %*	*69-110*	*1E15003*	*EPA 8260B*	*05/16/11 07:16*	*JKG*	

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QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1E15003 - EPA 5030B_MS

Blank (1E15003-BLK1) Prepared: 05/15/2011 13:25 Analyzed: 05/15/2011 23:58

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.90	U	1.0	ug/L							
1,1,1-Trichloroethane	0.65	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.75	U	1.0	ug/L							
1,1,2-Trichloroethane	0.66	U	1.0	ug/L							
1,1-Dichloroethane	0.080	U	1.0	ug/L							
1,1-Dichloroethene	0.60	U	1.0	ug/L							
1,2,3-Trichloropropane	0.72	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.11	U	1.0	ug/L							
1,2-Dichloroethane	0.47	U	1.0	ug/L							
1,2-Dichloropropane	0.59	U	1.0	ug/L							
1,4-Dichlorobenzene	0.79	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Acrylonitrile	3.5	U	10	ug/L							
Benzene	0.68	U	1.0	ug/L							
Bromochloromethane	0.87	U	1.0	ug/L							
Bromodichloromethane	0.75	U	1.0	ug/L							
Bromoform	0.68	U	1.0	ug/L							
Bromomethane	0.58	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.69	U	1.0	ug/L							
Chlorobenzene	0.74	U	1.0	ug/L							
Chloroethane	0.75	U	1.0	ug/L							
Chloroform	0.70	U	1.0	ug/L							
Chloromethane	0.55	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.72	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.075	U	1.0	ug/L							
Dibromochloromethane	0.63	U	1.0	ug/L							
Dibromomethane	0.90	U	1.0	ug/L							
Ethylbenzene	0.62	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							
Methylene chloride	0.14	U	1.0	ug/L							
Styrene	0.053	U	1.0	ug/L							
Tetrachloroethene	0.73	U	1.0	ug/L							
Toluene	0.85	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.12	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.50	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.72	U	1.0	ug/L							
Trichlorofluoromethane	0.66	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.60	U	1.0	ug/L							
Xylenes (Total)	2.1	U	3.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*50*			*ug/L*	*50.0*		*100*	*51-122*			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1E15003 - EPA 5030B_MS

Blank (1E15003-BLK1) Continued Prepared: 05/15/2011 13:25 Analyzed: 05/15/2011 23:58

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Dibromofluoromethane	*44*			*ug/L*	*50.0*		*89*	*68-117*			
Surrogate: Toluene-d8	*47*			*ug/L*	*50.0*		*94*	*69-110*			

LCS (1E15003-BS1) Prepared: 05/15/2011 13:25 Analyzed: 05/16/2011 00:27

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0		108	75-133			
Benzene	20		1.0	ug/L	20.0		100	81-134			
Chlorobenzene	19		1.0	ug/L	20.0		97	83-117			
Toluene	19		1.0	ug/L	20.0		93	71-118			
Trichloroethene	21		1.0	ug/L	20.0		106	75-115			

Matrix Spike (1E15003-MS1) Prepared: 05/15/2011 13:25 Analyzed: 05/16/2011 00:56

Source: C105845-02

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	0.60 U	102	75-133			
Benzene	20		1.0	ug/L	20.0	0.68 U	101	81-134			
Chlorobenzene	21		1.0	ug/L	20.0	0.74 U	107	83-117			
Toluene	21		1.0	ug/L	20.0	0.85 U	104	71-118			
Trichloroethene	19		1.0	ug/L	20.0	0.72 U	96	75-115			

Matrix Spike Dup (1E15003-MSD1) Prepared: 05/15/2011 13:25 Analyzed: 05/16/2011 01:26

Source: C105845-02

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	0.60 U	91	75-133	11	20	
Benzene	19		1.0	ug/L	20.0	0.68 U	94	81-134	8	17	
Chlorobenzene	18		1.0	ug/L	20.0	0.74 U	92	83-117	15	16	
Toluene	19		1.0	ug/L	20.0	0.85 U	97	71-118	7	17	
Trichloroethene	19		1.0	ug/L	20.0	0.72 U	96	75-115	0.3	18	

Batch 1E17019 - EPA 5030B_MS

Blank (1E17019-BLK1) Prepared: 05/17/2011 13:13 Analyzed: 05/17/2011 16:19

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.90	U	1.0	ug/L							
1,1,1-Trichloroethane	0.65	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.75	U	1.0	ug/L							
1,1,2-Trichloroethane	0.66	U	1.0	ug/L							
1,1-Dichloroethane	0.080	U	1.0	ug/L							
1,1-Dichloroethene	0.60	U	1.0	ug/L							
1,2,3-Trichloropropane	0.72	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.11	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1E17019 - EPA 5030B_MS

Blank (1E17019-BLK1) Continued Prepared: 05/17/2011 13:13 Analyzed: 05/17/2011 16:19

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dichloroethane	0.47	U	1.0	ug/L							
1,2-Dichloropropane	0.59	U	1.0	ug/L							
1,4-Dichlorobenzene	0.79	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Acrylonitrile	3.5	U	10	ug/L							
Benzene	0.68	U	1.0	ug/L							
Bromochloromethane	0.87	U	1.0	ug/L							
Bromodichloromethane	0.75	U	1.0	ug/L							
Bromoform	0.68	U	1.0	ug/L							
Bromomethane	0.58	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.69	U	1.0	ug/L							
Chlorobenzene	0.74	U	1.0	ug/L							
Chloroethane	0.75	U	1.0	ug/L							
Chloroform	0.70	U	1.0	ug/L							
Chloromethane	0.55	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.72	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.075	U	1.0	ug/L							
Dibromochloromethane	0.63	U	1.0	ug/L							
Dibromomethane	0.90	U	1.0	ug/L							
Ethylbenzene	0.62	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							
Methylene chloride	0.14	U	1.0	ug/L							
Styrene	0.053	U	1.0	ug/L							
Tetrachloroethene	0.73	U	1.0	ug/L							
Toluene	0.85	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.12	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.50	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.72	U	1.0	ug/L							
Trichlorofluoromethane	0.66	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.60	U	1.0	ug/L							
Xylenes (Total)	2.1	U	3.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*46*			*ug/L*	*50.0*		*91*	*51-122*			
Surrogate: Dibromofluoromethane	*46*			*ug/L*	*50.0*		*92*	*68-117*			
Surrogate: Toluene-d8	*42*			*ug/L*	*50.0*		*84*	*69-110*			

LCS (1E17019-BS1) Prepared: 05/17/2011 13:13 Analyzed: 05/17/2011 16:49

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		93	75-133			
Benzene	18		1.0	ug/L	20.0		90	81-134			
Chlorobenzene	19		1.0	ug/L	20.0		93	83-117			
Toluene	19		1.0	ug/L	20.0		94	71-118			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1E17019 - EPA 5030B_MS

LCS (1E17019-BS1) Continued Prepared: 05/17/2011 13:13 Analyzed: 05/17/2011 16:49

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Trichloroethene	19		1.0	ug/L	20.0		93	75-115			

Matrix Spike (1E17019-MS1) Prepared: 05/17/2011 13:13 Analyzed: 05/17/2011 17:19

Source: C105845-07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	13		1.0	ug/L	12.5	0.60 U	104	75-133			
Benzene	13		1.0	ug/L	12.5	0.68 U	102	81-134			
Chlorobenzene	13		1.0	ug/L	12.5	0.74 U	103	83-117			
Toluene	13		1.0	ug/L	12.5	0.85 U	101	71-118			
Trichloroethene	12		1.0	ug/L	12.5	0.72 U	97	75-115			

Matrix Spike Dup (1E17019-MSD1) Prepared: 05/17/2011 13:13 Analyzed: 05/17/2011 17:49

Source: C105845-07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	12		1.0	ug/L	12.5	0.60 U	96	75-133	8	20	
Benzene	13		1.0	ug/L	12.5	0.68 U	101	81-134	1	17	
Chlorobenzene	13		1.0	ug/L	12.5	0.74 U	101	83-117	1	16	
Toluene	12		1.0	ug/L	12.5	0.85 U	99	71-118	2	17	
Trichloroethene	12		1.0	ug/L	12.5	0.72 U	94	75-115	3	18	

Batch 1E18008 - EPA 5030B_MS

Blank (1E18008-BLK1) Prepared: 05/18/2011 07:36 Analyzed: 05/18/2011 17:56

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.90	U	1.0	ug/L							
1,1,1-Trichloroethane	0.65	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.75	U	1.0	ug/L							
1,1,2-Trichloroethane	0.66	U	1.0	ug/L							
1,1-Dichloroethane	0.080	U	1.0	ug/L							
1,1-Dichloroethene	0.60	U	1.0	ug/L							
1,2,3-Trichloropropane	0.72	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.11	U	1.0	ug/L							
1,2-Dichloroethane	0.47	U	1.0	ug/L							
1,2-Dichloropropane	0.59	U	1.0	ug/L							
1,4-Dichlorobenzene	0.79	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Acrylonitrile	3.5	U	10	ug/L							
Benzene	0.68	U	1.0	ug/L							
Bromochloromethane	0.87	U	1.0	ug/L							
Bromodichloromethane	0.75	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1E18008 - EPA 5030B_MS

Blank (1E18008-BLK1) Continued Prepared: 05/18/2011 07:36 Analyzed: 05/18/2011 17:56

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Bromoform	0.68	U	1.0	ug/L							
Bromomethane	0.58	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.69	U	1.0	ug/L							
Chlorobenzene	0.74	U	1.0	ug/L							
Chloroethane	0.75	U	1.0	ug/L							
Chloroform	0.70	U	1.0	ug/L							
Chloromethane	0.55	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.72	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.075	U	1.0	ug/L							
Dibromochloromethane	0.63	U	1.0	ug/L							
Dibromomethane	0.90	U	1.0	ug/L							
Ethylbenzene	0.62	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							
Methylene chloride	0.14	U	1.0	ug/L							
Styrene	0.053	U	1.0	ug/L							
Tetrachloroethene	0.73	U	1.0	ug/L							
Toluene	0.85	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.12	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.50	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.72	U	1.0	ug/L							
Trichlorofluoromethane	0.66	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.60	U	1.0	ug/L							
Xylenes (Total)	2.1	U	3.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*49*			*ug/L*	*50.0*		*97*	*51-122*			
Surrogate: Dibromofluoromethane	*48*			*ug/L*	*50.0*		*96*	*68-117*			
Surrogate: Toluene-d8	*45*			*ug/L*	*50.0*		*89*	*69-110*			

LCS (1E18008-BS1) Prepared: 05/18/2011 07:36 Analyzed: 05/18/2011 18:26

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	24		1.0	ug/L	20.0		119	75-133			
Benzene	19		1.0	ug/L	20.0		96	81-134			
Chlorobenzene	20		1.0	ug/L	20.0		99	83-117			
Toluene	19		1.0	ug/L	20.0		97	71-118			
Trichloroethene	20		1.0	ug/L	20.0		99	75-115			

Matrix Spike (1E18008-MS1) Prepared: 05/18/2011 07:36 Analyzed: 05/18/2011 18:56

Source: C105845-08

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0	0.60 U	112	75-133			
Benzene	19		1.0	ug/L	20.0	0.68 U	96	81-134			
Chlorobenzene	20		1.0	ug/L	20.0	0.74 U	98	83-117			
Toluene	19		1.0	ug/L	20.0	0.85 U	97	71-118			
Trichloroethene	20		1.0	ug/L	20.0	0.72 U	102	75-115			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1E18008 - EPA 5030B_MS

Matrix Spike Dup (1E18008-MSD1) Prepared: 05/18/2011 07:36 Analyzed: 05/18/2011 19:25

Source: C105845-08

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	0.60 U	104	75-133	7	20	
Benzene	19		1.0	ug/L	20.0	0.68 U	95	81-134	2	17	
Chlorobenzene	19		1.0	ug/L	20.0	0.74 U	94	83-117	4	16	
Toluene	18		1.0	ug/L	20.0	0.85 U	91	71-118	6	17	
Trichloroethene	19		1.0	ug/L	20.0	0.72 U	95	75-115	7	18	

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 1E11035 - EPA 3005A

Blank (1E11035-BLK1) Prepared: 05/11/2011 14:07 Analyzed: 05/12/2011 10:43

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	**2.95**	**J**	10.0	ug/L							
Barium	1.00	U	10.0	ug/L							
Beryllium	0.100	U	1.00	ug/L							
Cadmium	0.360	U	1.00	ug/L							
Chromium	1.00	U	10.0	ug/L							
Cobalt	1.10	U	10.0	ug/L							
Copper	1.60	U	10.0	ug/L							
Lead	1.90	U	10.0	ug/L							
Nickel	1.80	U	10.0	ug/L							
Silver	1.90	U	10.0	ug/L							
Vanadium	1.40	U	10.0	ug/L							
Zinc	3.80	U	10.0	ug/L							

LCS (1E11035-BS1) Prepared: 05/11/2011 14:07 Analyzed: 05/12/2011 10:46

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	508	B	10.0	ug/L	500		102	80-120			
Barium	510		10.0	ug/L	500		102	80-120			
Beryllium	260		1.00	ug/L	250		104	80-120			
Cadmium	254		1.00	ug/L	250		102	80-120			
Chromium	516		10.0	ug/L	500		103	80-120			
Cobalt	503		10.0	ug/L	500		101	80-120			
Copper	260		10.0	ug/L	250		104	80-120			
Lead	509		10.0	ug/L	500		102	80-120			
Nickel	508		10.0	ug/L	500		102	80-120			
Silver	264		10.0	ug/L	250		106	80-120			
Vanadium	261		10.0	ug/L	250		104	80-120			
Zinc	510		10.0	ug/L	500		102	80-120			

Matrix Spike (1E11035-MS1) Prepared: 05/11/2011 14:07 Analyzed: 05/12/2011 10:52

Source: C105309-01

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

QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 1E11035 - EPA 3005A

Matrix Spike (1E11035-MS1) Continued Prepared: 05/11/2011 14:07 Analyzed: 05/12/2011 10:52

Source: C105309-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	511	B	10.0	ug/L	500	2.80 U	102	75-125			
Barium	882		10.0	ug/L	500	415	93	75-125			
Beryllium	257		1.00	ug/L	250	0.100 U	103	75-125			
Cadmium	235		1.00	ug/L	250	0.360 U	94	75-125			
Chromium	490		10.0	ug/L	500	4.93	97	75-125			
Cobalt	509		10.0	ug/L	500	22.4	97	75-125			
Copper	274		10.0	ug/L	250	17.3	103	75-125			
Lead	482		10.0	ug/L	500	1.90 U	96	75-125			
Nickel	481		10.0	ug/L	500	20.2	92	75-125			
Silver	259		10.0	ug/L	250	2.84	102	75-125			
Vanadium	256		10.0	ug/L	250	1.40 U	102	75-125			
Zinc	492		10.0	ug/L	500	5.52	97	75-125			

Matrix Spike Dup (1E11035-MSD1) Prepared: 05/11/2011 14:07 Analyzed: 05/12/2011 10:54

Source: C105309-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	513	B	10.0	ug/L	500	2.80 U	103	75-125	0.4	20	
Barium	892		10.0	ug/L	500	415	95	75-125	1	20	
Beryllium	260		1.00	ug/L	250	0.100 U	104	75-125	1	20	
Cadmium	238		1.00	ug/L	250	0.360 U	95	75-125	1	20	
Chromium	495		10.0	ug/L	500	4.93	98	75-125	0.9	20	
Cobalt	509		10.0	ug/L	500	22.4	97	75-125	0.0009	20	
Copper	277		10.0	ug/L	250	17.3	104	75-125	1	20	
Lead	481		10.0	ug/L	500	1.90 U	96	75-125	0.2	20	
Nickel	484		10.0	ug/L	500	20.2	93	75-125	0.6	20	
Silver	261		10.0	ug/L	250	2.84	103	75-125	1	20	
Vanadium	258		10.0	ug/L	250	1.40 U	103	75-125	0.9	20	
Zinc	492		10.0	ug/L	500	5.52	97	75-125	0.1	20	

Post Spike (1E11035-PS1) Prepared: 05/11/2011 14:07 Analyzed: 05/12/2011 11:02

Source: C105309-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1.01	B	0.0100	mg/L	1.00	-0.00122	102	80-120			
Barium	1.38		0.0100	mg/L	1.00	0.415	97	80-120			
Beryllium	0.510		0.00100	mg/L	0.500	2.44E-5	102	80-120			
Cadmium	0.470		0.00100	mg/L	0.500	7.05E-5	94	80-120			
Chromium	0.990		0.0100	mg/L	1.00	0.00493	98	80-120			
Cobalt	0.982		0.0100	mg/L	1.00	0.0224	96	80-120			
Copper	0.540		0.0100	mg/L	0.500	0.0173	105	80-120			
Lead	0.945		0.0100	mg/L	1.00	-0.000535	95	80-120			
Nickel	0.939		0.0100	mg/L	1.00	0.0202	92	80-120			
Silver	0.519		0.0100	mg/L	0.500	0.00284	103	80-120			
Vanadium	0.516		0.0100	mg/L	0.500	0.000696	103	80-120			
Zinc	0.936		0.0100	mg/L	1.00	0.00552	93	80-120			

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QUALITY CONTROL

Metals (total recoverable) by EPA 6000/7000 Series Methods - Quality Control

Batch 1E11035 - EPA 3005A

Batch 1E12012 - EPA 3005A

Blank (1E12012-BLK1) Prepared: 05/12/2011 09:26 Analyzed: 05/17/2011 12:31

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.220	U	2.00	ug/L							
Selenium	0.830	U	1.00	ug/L							
Thallium	0.110	U	1.00	ug/L							

LCS (1E12012-BS1) Prepared: 05/12/2011 09:26 Analyzed: 05/17/2011 12:35

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	24.1		2.00	ug/L	25.0		97	80-120			
Selenium	25.2		1.00	ug/L	25.0		101	80-120			
Thallium	24.3		1.00	ug/L	25.0		97	80-120			

Matrix Spike (1E12012-MS1) Prepared: 05/12/2011 09:26 Analyzed: 05/17/2011 12:42

Source: C105309-05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	21.9		2.00	ug/L	25.0	0.220 U	88	80-120			
Selenium	26.4		1.00	ug/L	25.0	1.91	98	80-120			
Thallium	23.0		1.00	ug/L	25.0	0.110 U	92	80-120			

Matrix Spike Dup (1E12012-MSD1) Prepared: 05/12/2011 09:26 Analyzed: 05/17/2011 12:46

Source: C105309-05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	22.1		2.00	ug/L	25.0	0.220 U	88	80-120	0.6	20	
Selenium	25.3		1.00	ug/L	25.0	1.91	94	80-120	4	20	
Thallium	22.9		1.00	ug/L	25.0	0.110 U	91	80-120	0.5	20	

Post Spike (1E12012-PS1) Prepared: 05/12/2011 09:26 Analyzed: 05/17/2011 12:50

Source: C105309-05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	24.0		2.00	ug/L	25.0	0.0650	96	80-120			
Selenium	26.9		1.00	ug/L	25.0	1.91	100	80-120			
Thallium	22.5		1.00	ug/L	25.0	-0.878	93	80-120			

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.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
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.
J-01	Result is estimated due to positive results in the associated method blank.

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD www.encolabs.com

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

Page 1 of 2

Client Name: S&ME, Inc. (SM004)	Project Number: [none]
Address: 3718 Old Battleground Rd.	Project Name/Desc: White Street Landfill App Is (Phase II)
City/ST/Zip: Greensboro, NC 27410	PO # / Billing Info
Tel: (336) 288-7180 Fax: (336) 288-8980	Reporting Contact: Edmund Henriques
Sampler(s) Name, Affiliation (Print)	Billing Contact: Accounts Payable
Sampler(s) Signature	Site Location / Time Zone

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: C105309

Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers			Sample Comments
	4103-II1	5/9/11	1105	G	GW	4	X	X	
	4103-II2	5/9/11	1400	G	GW	4	X	X	
	4103-II3	5/9/11	1520	G	GW	4	X	X	
	4103-II4	5/10/11	0900	G	GW	4	X	X	
	4103-II5	5/9/11	1630	G	GW	4	X	X	
	4103-II6	5/9/11	1005	G	GW	4	X	X	
	4103-II7	5/9/11	1245	G	GW	4	X	X	
	4103-II7B	5/9/11	1205	G	GW	4	X	X	
	4103-II8	5/9/11	0900	G	GW	4	X	X	
	4103-II12	5/10/11	1245	G	GW	4	X	X	
	4103-MW13	5/10/11	1115	G	GW	4	X	X	
	4103-MW14	5/10/11	1010	G	GW	4	X	X	

<-- Total # of Containers

Sample Kit Prepared By: JK	Date/Time: 5-4-11	Relinquished By	Date/Time	Received By: Briana Gregory	Date/Time: 5/11/11 10:00
Comments/Special Reporting Requirements		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time

Cooler #'s & Temps on Receipt: C-793 C-160 2.2°C

Condition Upon Receipt: X Acceptable ___ Unacceptable

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

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

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Cary, NC 27511
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CHAIN-OF-CUSTODY RECORD

Client Name: S&ME, Inc. (SM004)	Project Number: [none]
Address: 3718 Old Battleground Rd.	Project Name/Desc: White Street Landfill App Is (Phase II)
City/ST/Zip: Greensboro, NC 27410	PO # / Billing Info
Tel: (336) 288-7180 Fax: (336) 288-8980	Reporting Contact: Edmund Henriques
Sampler(s) Name, Affiliation (Print)	Billing Contact: Accounts Payable
Sampler(s) Signature	Site Location / Time Zone

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

___ Standard

___ Expedited

Due ___/___/___

Lab Workorder: C105309

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

Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers			Sample Comments
	4103-DUPLICATEII	5/9/11	0800	G	GW	4	X	X	
	4103-TripBlank#2				GW	2	X		
	~~4103-SW1~~				~~GW~~	~~4~~	~~X~~	~~X~~	
	~~4103-SW2~~				~~GW~~	~~4~~	~~X~~	~~X~~	
	~~4103-SW3~~				~~GW~~	~~4~~	~~X~~	~~X~~	
	~~4103-SW4~~				~~GW~~	~~4~~	~~X~~	~~X~~	
	~~4103-SW5~~				~~GW~~	~~4~~	~~X~~	~~X~~	

<-- Total # of Containers

Sample Kit Prepared By: JK	Date/Time: 5-4-11	Relinquished By	Date/Time	Received By: Briana Gregory	Date/Time: 5/11/11 10:00
Comments/Special Reporting Requirements		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time

Cooler #'s & Temps on Receipt: C-793 C-160 2.2°C

Condition Upon Receipt: X Acceptable ___ Unacceptable

Matrix : GW-Groundwater SO-Soil DW-Drinking Water 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 III

Descriptive Statistics

Basic Statistics

Parameter: 1,1-Dichloroethane

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Measurements	516
Total Non-Detects	376 (72.8682%)
Pooled Mean	8.97946
Pooled Std Dev	24.5821
Compliance Meas.	440
Compliance Mean	9.66682
Compliance Std Dev	26.5645
Background Meas.	76
Background Mean	5
Background Std Dev	0

Background Locations

There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	39	39	100	195
MW-14	37	37	100	185

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-13	5	0	0	7351.5	188.5
MW-14	5	0	0	6974.5	188.5

Compliance Locations

There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
II-1	41	27	65.8537	350.7
II-2	41	18	43.9024	387.8
II-3	41	27	65.8537	274.9
II-4	40	32	80	176.3
II-5	40	12	30	317.17
II-8	39	26	66.6667	168.31
I-5	38	32	84.2105	233.1
II-6	37	37	100	185
II-7	38	12	31.5789	1732.14
II-7B	25	18	72	107.98
II-10	15	15	100	75
II-11	15	15	100	75
II-12	15	15	100	75
II-9	15	14	93.3333	95

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	Rank Mean
II-1	8.55366	15.2881	3.55366	4.37495	11168.5	272.402
II-2	9.45854	4.962	4.45854	4.37495	14264	347.902
II-3	6.70488	3.20226	1.70488	4.37495	11464.5	279.622
II-4	4.4075	1.21347	-0.5925	4.41033	9261	231.525
II-5	7.92925	5.12803	2.92925	4.41033	14781	369.525
II-8	4.31564	1.83139	-0.684359	4.44722	10147	260.179
I-5	6.13421	3.13035	1.13421	4.48573	8851	232.921
II-6	5	0	0	4.52596	6974.5	188.5

II-7	45.5826	80.8954	40.5826	4.48573	14318	376.789
II-7B	4.3192	1.51197	-0.6808	5.20551	6207	248.28
II-10	5	0	0	6.37892	2827.5	188.5
II-11	5	0	0	6.37892	2827.5	188.5
II-12	5	0	0	6.37892	2827.5	188.5
II-9	6.33333	5.16398	1.33333	6.37892	3141	209.4

Analysis of Variance Statistics

SS Wells	56327.3
SS Total	311203

Kruskal-Wallis Statistics

Non-Detect Rank	188.5
Background Rank Sum	14326
Background Rank Mean	188.5
H Statistic	101.019
H Adjusted for Ties	164.77

Basic Statistics

Parameter: cis-1,2-Dichloroethene (-ethylene)

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Measurements	516
Total Non-Detects	467 (90.5039%)
Pooled Mean	6.7518
Pooled Std Dev	13.5023
Compliance Meas.	440
Compliance Mean	7.05439
Compliance Std Dev	14.6032
Background Meas.	76
Background Mean	5
Background Std Dev	0

Background Locations

There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	39	39	100	195
MW-14	37	37	100	185

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-13	5	0	0	9126	234
MW-14	5	0	0	8658	234

Compliance Locations

There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
II-1	41	33	80.4878	196.89
II-2	41	28	68.2927	297.8
II-3	41	35	85.3659	179.74
II-4	40	38	95	190.96
II-5	40	40	100	200
II-8	39	39	100	195
I-5	38	38	100	190
II-6	37	37	100	185
II-7	38	21	55.2632	959.14
II-7B	25	25	100	125
II-10	15	15	100	75
II-11	15	15	100	75
II-12	15	15	100	75
II-9	15	12	80	159.4

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	Rank Mean
II-1	4.8022	1.61898	-0.197805	2.43882	11590	282.683
II-2	7.26341	4.91186	2.26341	2.43882	12998	317.024
II-3	4.3839	1.51567	-0.616098	2.43882	11030	269.024
II-4	4.774	0.997663	-0.226	2.45854	9831	245.775
II-5	5	0	0	2.45854	9360	234
II-8	5	0	0	2.47911	9126	234
I-5	5	0	0	2.50057	8892	234
II-6	5	0	0	2.523	8658	234

II-7	25.2405	45.3171	20.2405	2.50057	13410	352.895
II-7B	5	0	0	2.90181	5850	234
II-10	5	0	0	3.55594	3510	234
II-11	5	0	0	3.55594	3510	234
II-12	5	0	0	3.55594	3510	234
II-9	10.6267	12.0044	5.62667	3.55594	4327	288.467

Analysis of Variance Statistics

SS Wells	14688.4
SS Total	93891.3

Kruskal-Wallis Statistics

Non-Detect Rank	234
Background Rank Sum	17784
Background Rank Mean	234
H Statistic	31.8278
H Adjusted for Ties	123.036

Basic Statistics

Parameter: Tetrachloroethene (-ethylene)

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Measurements	516
Total Non-Detects	475 (92.0543%)
Pooled Mean	6.63266
Pooled Std Dev	14.2554
Compliance Meas.	440
Compliance Mean	6.91466
Compliance Std Dev	15.4226
Background Meas.	76
Background Mean	5
Background Std Dev	0

Background Locations

There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	39	39	100	195
MW-14	37	37	100	185

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-13	5	0	0	9282	238
MW-14	5	0	0	8806	238

Compliance Locations

There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
II-1	41	41	100	205
II-2	41	31	75.6098	195.9
II-3	41	41	100	205
II-4	40	40	100	200
II-5	40	40	100	200
II-8	39	39	100	195
I-5	38	38	100	190
II-6	37	37	100	185
II-7	38	13	34.2105	1067.07
II-7B	25	19	76	99.48
II-10	15	15	100	75
II-11	15	15	100	75
II-12	15	15	100	75
II-9	15	15	100	75

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	Rank Mean
II-1	5	0	0	2.53777	9758	238
II-2	4.77805	0.621495	-0.221951	2.53777	12302	300.049
II-3	5	0	0	2.53777	9758	238
II-4	5	0	0	2.5583	9520	238
II-5	5	0	0	2.5583	9520	238
II-8	5	0	0	2.57969	9282	238
I-5	5	0	0	2.60203	9044	238
II-6	5	0	0	2.62537	8806	238

II-7	28.0808	48.1162	23.0808	2.60203	15627	411.237
II-7B	3.9792	1.86922	-1.0208	3.01955	7401	296.04
II-10	5	0	0	3.70021	3570	238
II-11	5	0	0	3.70021	3570	238
II-12	5	0	0	3.70021	3570	238
II-9	5	0	0	3.70021	3570	238

Analysis of Variance Statistics

SS Wells	18896.1
SS Total	104657

Kruskal-Wallis Statistics

Non-Detect Rank	238
Background Rank Sum	18088
Background Rank Mean	238
H Statistic	52.433
H Adjusted for Ties	238.403

Basic Statistics

Parameter: Trichloroethene (-ethylene)

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Measurements	516
Total Non-Detects	491 (95.155%)
Pooled Mean	6.32519
Pooled Std Dev	11.7102
Compliance Meas.	440
Compliance Mean	6.55409
Compliance Std Dev	12.6693
Background Meas.	76
Background Mean	5
Background Std Dev	0

Background Locations

There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	39	39	100	195
MW-14	37	37	100	185

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-13	5	0	0	9594	246
MW-14	5	0	0	9102	246

Compliance Locations

There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
II-1	41	37	90.2439	188.82
II-2	41	32	78.0488	196.4
II-3	41	41	100	205
II-4	40	40	100	200
II-5	40	39	97.5	195.9
II-8	39	39	100	195
I-5	38	38	100	190
II-6	37	37	100	185
II-7	38	27	71.0526	902.68
II-7B	25	25	100	125
II-10	15	15	100	75
II-11	15	15	100	75
II-12	15	15	100	75
II-9	15	15	100	75

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	Rank Mean
II-1	4.60537	1.22846	-0.394634	2.08975	11081	270.268
II-2	4.79024	0.591948	-0.209756	2.08975	12390	302.195
II-3	5	0	0	2.08975	10086	246
II-4	5	0	0	2.10665	9840	246
II-5	4.8975	0.648267	-0.1025	2.10665	10089	252.225
II-8	5	0	0	2.12427	9594	246
I-5	5	0	0	2.14266	9348	246
II-6	5	0	0	2.16188	9102	246

II-7	23.7547	39.6136	18.7547	2.14266	12250	322.368
II-7B	5	0	0	2.48647	6150	246
II-10	5	0	0	3.04697	3690	246
II-11	5	0	0	3.04697	3690	246
II-12	5	0	0	3.04697	3690	246
II-9	5	0	0	3.04697	3690	246

Analysis of Variance Statistics

SS Wells	12468.6
SS Total	70621.1

Kruskal-Wallis Statistics

Non-Detect Rank	246
Background Rank Sum	18696
Background Rank Mean	246
H Statistic	13.3222
H Adjusted for Ties	96.2445

Basic Statistics

Parameter: Trichlorofluoromethane

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Measurements	516
Total Non-Detects	483 (93.6047%)
Pooled Mean	5.58876
Pooled Std Dev	3.32198
Compliance Meas.	440
Compliance Mean	5.69045
Compliance Std Dev	3.58826
Background Meas.	76
Background Mean	5
Background Std Dev	0

Background Locations

There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	39	39	100	195
MW-14	37	37	100	185

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-13	5	0	0	9438	242
MW-14	5	0	0	8954	242

Compliance Locations

There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
II-1	41	40	97.561	238
II-2	41	10	24.3902	452.8
II-3	41	41	100	205
II-4	40	40	100	200
II-5	40	40	100	200
II-8	39	39	100	195
I-5	38	38	100	190
II-6	37	36	97.2973	208
II-7	38	38	100	190
II-7B	25	25	100	125
II-10	15	15	100	75
II-11	15	15	100	75
II-12	15	15	100	75
II-9	15	15	100	75

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	Rank Mean
II-1	5.80488	5.15373	0.804878	0.569814	10196	248.683
II-2	11.0439	8.28626	6.0439	0.569814	17891	436.366
II-3	5	0	0	0.569814	9922	242
II-4	5	0	0	0.574422	9680	242
II-5	5	0	0	0.574422	9680	242
II-8	5	0	0	0.579227	9438	242
I-5	5	0	0	0.584242	9196	242
II-6	5.62162	3.78118	0.621622	0.589482	9225	249.324

II-7	5	0	0	0.584242	9196	242
II-7B	5	0	0	0.677989	6050	242
II-10	5	0	0	0.83082	3630	242
II-11	5	0	0	0.83082	3630	242
II-12	5	0	0	0.83082	3630	242
II-9	5	0	0	0.83082	3630	242

Analysis of Variance Statistics

SS Wells	1359.67
SS Total	5683.29

Kruskal-Wallis Statistics

Non-Detect Rank	242
Background Rank Sum	18392
Background Rank Mean	242
H Statistic	63.5255
H Adjusted for Ties	353.209

Basic Statistics

Parameter: Vinyl chloride

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements	516
Total Non-Detects	495 (95.9302%)
Pooled Mean	9.89477
Pooled Std Dev	3.94485
Compliance Meas.	440
Compliance Mean	9.87659
Compliance Std Dev	4.27243
Background Meas.	76
Background Mean	10
Background Std Dev	0

Background Locations

There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	39	39	100	390
MW-14	37	37	100	370

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-13	10	0	0	9672	248
MW-14	10	0	0	9176	248

Compliance Locations

There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
II-1	41	35	85.3659	456.63
II-2	41	33	80.4878	364
II-3	41	38	92.6829	381.35
II-4	40	40	100	400
II-5	40	40	100	400
II-8	39	39	100	390
I-5	38	38	100	380
II-6	37	37	100	370
II-7	38	35	92.1053	351.72
II-7B	25	25	100	250
II-10	15	15	100	150
II-11	15	15	100	150
II-12	15	15	100	150
II-9	15	14	93.3333	152

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	Rank Mean
II-1	11.1373	13.37	1.13732	0.76897	11723	285.927
II-2	8.87805	2.35016	-1.12195	0.76897	12260	299.024
II-3	9.30122	2.51788	-0.69878	0.76897	10916	266.244
II-4	10	0	0	0.775189	9920	248
II-5	10	0	0	0.775189	9920	248
II-8	10	0	0	0.781673	9672	248
I-5	10	0	0	0.788441	9424	248
II-6	10	0	0	0.795512	9176	248

II-7	9.25579	2.57649	-0.744211	0.788441	10180	267.895
II-7B	10	0	0	0.914954	6200	248
II-10	10	0	0	1.1212	3720	248
II-11	10	0	0	1.1212	3720	248
II-12	10	0	0	1.1212	3720	248
II-9	10.1333	0.516398	0.133333	1.1212	3987	265.8

Analysis of Variance Statistics

SS Wells	140.262
SS Total	8014.36

Kruskal-Wallis Statistics

Non-Detect Rank	248
Background Rank Sum	18848
Background Rank Mean	248
H Statistic	6.39961
H Adjusted for Ties	54.608

Basic Statistics

Parameter: Barium

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Measurements	500
Total Non-Detects	349 (69.8%)
Pooled Mean	428.739
Pooled Std Dev	217.353
Compliance Meas.	426
Compliance Mean	432.189
Compliance Std Dev	215.293
Background Meas.	74
Background Mean	408.878
Background Std Dev	229.368

Background Locations

There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	38	27	71.0526	14761.9
MW-14	36	23	63.8889	15495.1

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-13	388.471	177.19	0	9399	247.342
MW-14	430.419	274.972	0	9351	259.75

Compliance Locations

There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
II-1	40	24	60	17938.2
II-2	40	28	70	15637
II-3	40	24	60	16741
II-4	39	20	51.2821	20863
II-5	39	27	69.2308	14576.4
II-8	38	27	71.0526	14271.9
I-5	37	34	91.8919	17244
II-6	36	25	69.4444	15706.9
II-7	37	28	75.6757	14270.6
II-7B	24	16	66.6667	8089.65
II-10	14	14	100	7000
II-11	14	14	100	7000
II-12	14	4	28.5714	7774
II-9	14	14	100	7000

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	Rank Mean
II-1	448.455	187.189	39.5766	41.8487	11440	286
II-2	390.925	222.375	-17.9534	41.8487	9702	242.55
II-3	418.525	184.322	9.64662	41.8487	11290	282.25
II-4	534.949	414.056	126.07	42.1955	12222	313.385
II-5	373.754	192.349	-35.1245	42.1955	9649	247.41
II-8	375.576	198.081	-33.3021	42.5575	9109	239.711
I-5	466.054	116.012	57.1757	42.9358	7164	193.622
II-6	436.303	142.601	27.4244	43.3316	9191	255.306

II-7	385.692	204.839	-23.1865	42.9358	8267	223.432
II-7B	337.069	235.379	-71.8096	50.0918	5646	235.25
II-10	500	0	91.1216	62.1493	2450	175
II-11	500	0	91.1216	62.1493	2450	175
II-12	555.286	132.183	146.407	62.1493	5470	390.714
II-9	500	0	91.1216	62.1493	2450	175

Analysis of Variance Statistics

SS Wells	1.56519e+006
SS Total	2.3574e+007

Kruskal-Wallis Statistics

Non-Detect Rank	175
Background Rank Sum	18750
Background Rank Mean	253.378
H Statistic	44.1086
H Adjusted for Ties	66.838

Basic Statistics

Parameter: Cobalt

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Measurements	500
Total Non-Detects	290 (58%)
Pooled Mean	17.9896
Pooled Std Dev	17.6758
Compliance Meas.	426
Compliance Mean	19.3939
Compliance Std Dev	18.7927
Background Meas.	74
Background Mean	9.90541
Background Std Dev	1.35656

Background Locations

There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	38	35	92.1053	366
MW-14	36	34	94.4444	367

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-13	9.63158	1.58406	0	6008.5	158.118
MW-14	10.1944	1.00909	0	5638	156.611

Compliance Locations

There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
II-1	40	3	7.5	1690.2
II-2	40	33	82.5	443
II-3	40	5	12.5	1107.8
II-4	39	16	41.0256	620.16
II-5	39	12	30.7692	506.36
II-8	38	32	84.2105	510.46
I-5	37	12	32.4324	1142.2
II-6	36	6	16.6667	931.11
II-7	37	33	89.1892	347.71
II-7B	24	24	100	240
II-10	14	14	100	140
II-11	14	13	92.8571	142
II-12	14	4	28.5714	300.8
II-9	14	14	100	140

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	Rank Mean
II-1	42.255	31.4274	32.3496	2.88281	16473.5	411.837
II-2	11.075	5.39414	1.16959	2.88281	7285.5	182.137
II-3	27.695	19.528	17.7896	2.88281	14851.5	371.288
II-4	15.9015	14.0931	5.99613	2.9067	10826	277.59
II-5	12.9836	8.58726	3.07818	2.9067	11183	286.744
II-8	13.4332	16.4498	3.52775	2.93164	6903	181.658
I-5	30.8703	20.845	20.9649	2.9577	12720	343.784
II-6	25.8642	17.3656	15.9588	2.98496	13013	361.472

II-7	9.39757	2.28403	-0.507838	2.9577	6027.5	162.905
II-7B	10	0	0.0945946	3.45065	3492	145.5
II-10	10	0	0.0945946	4.28125	2037	145.5
II-11	10.1429	0.534522	0.237452	4.28125	2232.5	159.464
II-12	21.4857	15.276	11.5803	4.28125	4522	323
II-9	10	0	0.0945946	4.28125	2037	145.5

Analysis of Variance Statistics

SS Wells	51466
SS Total	155905

Kruskal-Wallis Statistics

Non-Detect Rank	145.5
Background Rank Sum	11646.5
Background Rank Mean	157.385
H Statistic	216.784
H Adjusted for Ties	269.334

Basic Statistics

Parameter: Copper

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Measurements	500
Total Non-Detects	412 (82.4%)
Pooled Mean	178.169
Pooled Std Dev	77.7973
Compliance Meas.	426
Compliance Mean	177.093
Compliance Std Dev	81.3361
Background Meas.	74
Background Mean	184.365
Background Std Dev	53.0196

Background Locations

There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	38	33	86.8421	6640.2
MW-14	36	35	97.2222	7002.8

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-13	174.742	65.7941	0	9048.5	238.118
MW-14	194.522	32.8667	0	7661.5	212.819

Compliance Locations

There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
II-1	40	23	57.5	7057.11
II-2	40	36	90	7266
II-3	40	29	72.5	6517.55
II-4	39	28	71.7949	6366.49
II-5	39	31	79.4872	6604.6
II-8	38	33	86.8421	7107.2
I-5	37	28	75.6757	7249.4
II-6	36	32	88.8889	6415.72
II-7	37	30	81.0811	6033.05
II-7B	24	19	79.1667	3810.5
II-10	14	14	100	2800
II-11	14	14	100	2800
II-12	14	13	92.8571	2613.9
II-9	14	14	100	2800

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	Rank Mean
II-1	176.428	137.939	-7.93711	15.2831	12750.5	318.762
II-2	181.65	55.9123	-2.71486	15.2831	9254	231.35
II-3	162.939	87.899	-21.4261	15.2831	10938.5	273.462
II-4	163.243	80.4638	-21.1215	15.4097	10929	280.231
II-5	169.349	81.358	-15.0161	15.4097	10013.5	256.756
II-8	187.032	71.1758	2.66671	15.5419	9092.5	239.276
I-5	195.93	98.1003	11.5649	15.6801	10108	273.189
II-6	178.214	62.4978	-6.15042	15.8246	8353	232.028

II-7	163.055	77.5818	-21.3095	15.6801	9227	249.378
II-7B	158.771	82.0993	-25.594	18.2934	6054.5	252.271
II-10	200	0	15.6351	22.6968	2891	206.5
II-11	200	0	15.6351	22.6968	2891	206.5
II-12	186.707	49.7373	2.34228	22.6968	3146.5	224.75
II-9	200	0	15.6351	22.6968	2891	206.5

Analysis of Variance Statistics

SS Wells	84856.6
SS Total	3.02016e+006

Kruskal-Wallis Statistics

Non-Detect Rank	206.5
Background Rank Sum	16710
Background Rank Mean	225.811
H Statistic	20.6032
H Adjusted for Ties	46.7697

Basic Statistics

Parameter: Selenium

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Measurements	500
Total Non-Detects	457 (91.4%)
Pooled Mean	19.4027
Pooled Std Dev	4.69821
Compliance Meas.	426
Compliance Mean	19.3638
Compliance Std Dev	4.90205
Background Meas.	74
Background Mean	19.6268
Background Std Dev	3.30494

Background Locations

There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	38	36	94.7368	722.38
MW-14	36	35	97.2222	730

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-13	19.01	4.25669	0	9163	241.132
MW-14	20.2778	1.66667	0	8511	236.417

Compliance Locations

There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
II-1	40	35	87.5	797.61
II-2	40	36	90	759.77
II-3	40	36	90	782.2
II-4	39	35	89.7436	745.66
II-5	39	35	89.7436	730.02
II-8	38	34	89.4737	800.9
I-5	37	36	97.2973	749
II-6	36	31	86.1111	698.16
II-7	37	34	91.8919	687.17
II-7B	24	22	91.6667	444.5
II-10	14	14	100	280
II-11	14	14	100	280
II-12	14	10	71.4286	214
II-9	14	14	100	280

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	Rank Mean
II-1	19.9402	2.40208	0.313493	0.914568	10458	261.45
II-2	18.9943	4.01952	-0.632507	0.914568	10172	254.3
II-3	19.555	6.15549	-0.0717568	0.914568	10170	254.25
II-4	19.1195	4.99077	-0.50727	0.922148	9930	254.615
II-5	18.7185	4.8146	-0.908295	0.922148	9897	253.769
II-8	21.0763	8.19378	1.44956	0.93006	9750	256.579
I-5	20.2432	1.47959	0.616486	0.938327	8738	236.162
II-6	19.3933	4.79019	-0.233423	0.946976	9530	264.722

II-7	18.5722	4.88564	-1.05459	0.938327	9180	248.108
II-7B	18.5208	5.02282	-1.10592	1.09472	5967	248.625
II-10	20	0	0.373243	1.35822	3206	229
II-11	20	0	0.373243	1.35822	3206	229
II-12	15.2857	7.7364	-4.34104	1.35822	4166	297.571
II-9	20	0	0.373243	1.35822	3206	229

Analysis of Variance Statistics

SS Wells	503.021
SS Total	11014.5

Kruskal-Wallis Statistics

Non-Detect Rank	229
Background Rank Sum	17674
Background Rank Mean	238.838
H Statistic	4.02878
H Adjusted for Ties	17.0387

Basic Statistics

Parameter: Vanadium

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Measurements	500
Total Non-Detects	365 (73%)
Pooled Mean	46.5807
Pooled Std Dev	46.5438
Compliance Meas.	426
Compliance Mean	48.3017
Compliance Std Dev	49.5259
Background Meas.	74
Background Mean	36.6732
Background Std Dev	20.281

Background Locations

There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	38	28	73.6842	1175.52
MW-14	36	30	83.3333	1538.3

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-13	30.9347	15.5038	0	9057	238.342
MW-14	42.7306	23.0283	0	8053	223.694

Compliance Locations

There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
II-1	40	25	62.5	2166
II-2	40	25	62.5	2031.14
II-3	40	27	67.5	2077.25
II-4	39	18	46.1538	3009.9
II-5	39	25	64.1026	1270.26
II-8	38	27	71.0526	1940.81
I-5	37	29	78.3784	2362
II-6	36	28	77.7778	1398.14
II-7	37	33	89.1892	1385
II-7B	24	16	66.6667	723.52
II-10	14	14	100	560
II-11	14	14	100	560
II-12	14	12	85.7143	532.52
II-9	14	14	100	560

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	Rank Mean
II-1	54.15	48.7866	17.4768	8.90474	11352	283.8
II-2	50.7785	43.3792	14.1053	8.90474	11139	278.475
II-3	51.9312	53.151	15.258	8.90474	10631	265.775
II-4	77.1769	87.4228	40.5037	8.97854	12975	332.692
II-5	32.5708	16.6162	-4.10247	8.97854	10334	264.974
II-8	51.0739	70.4049	14.4007	9.05557	9573	251.921
I-5	63.8378	72.6971	27.1646	9.13607	9051	244.622
II-6	38.8372	15.9546	2.16398	9.22027	8476	235.444

II-7	37.4324	9.10854	0.759189	9.13607	7665	207.162
II-7B	30.1467	14.3229	-6.52658	10.6587	6239	259.958
II-10	40	0	3.32676	13.2244	2562	183
II-11	40	0	3.32676	13.2244	2562	183
II-12	38.0371	10.5987	1.3639	13.2244	3019	215.643
II-9	40	0	3.32676	13.2244	2562	183

Analysis of Variance Statistics

SS Wells	84505.4
SS Total	1.081e+006

Kruskal-Wallis Statistics

Non-Detect Rank	183
Background Rank Sum	17110
Background Rank Mean	231.216
H Statistic	32.2719
H Adjusted for Ties	52.8195

Basic Statistics

Parameter: Zinc

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Measurements	500
Total Non-Detects	371 (74.2%)
Pooled Mean	58.8147
Pooled Std Dev	55.2004
Compliance Meas.	426
Compliance Mean	60.5456
Compliance Std Dev	57.7266
Background Meas.	74
Background Mean	48.8503
Background Std Dev	36.1913

Background Locations

There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	38	28	73.6842	1561.88
MW-14	36	27	75	2053.04

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-13	41.1021	17.1511	0	9228	242.842
MW-14	57.0289	47.822	0	8946	248.5

Compliance Locations

There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
II-1	40	24	60	2830.39
II-2	40	32	80	2636.88
II-3	40	27	67.5	2107.19
II-4	39	16	41.0256	3343.8
II-5	39	28	71.7949	1978.7
II-8	38	26	68.4211	2538.73
I-5	37	29	78.3784	2664
II-6	36	25	69.4444	2016.65
II-7	37	32	86.4865	1764.59
II-7B	24	24	100	1200
II-10	14	14	100	700
II-11	14	14	100	700
II-12	14	11	78.5714	611.5
II-9	14	14	100	700

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	Rank Mean
II-1	70.7597	77.0235	21.9095	10.7281	11544	288.6
II-2	65.922	66.1018	17.0717	10.7281	9549	238.725
II-3	52.6797	43.7209	3.82948	10.7281	10529	263.225
II-4	85.7385	92.9335	36.8882	10.817	13429	344.333
II-5	50.7359	25.1913	1.88563	10.817	9899	253.821
II-8	66.8087	89.5812	17.9584	10.9098	10048	264.421
I-5	72	69.3858	23.1497	11.0067	9097	245.865
II-6	56.0181	37.5614	7.16779	11.1082	9421	261.694

II-7	47.6916	11.2346	-1.15865	11.0067	8025	216.892
II-7B	50	0	1.14973	12.8412	4464	186
II-10	50	0	1.14973	15.9322	2604	186
II-11	50	0	1.14973	15.9322	2604	186
II-12	43.6786	14.2216	-5.1717	15.9322	3259	232.786
II-9	50	0	1.14973	15.9322	2604	186

Analysis of Variance Statistics

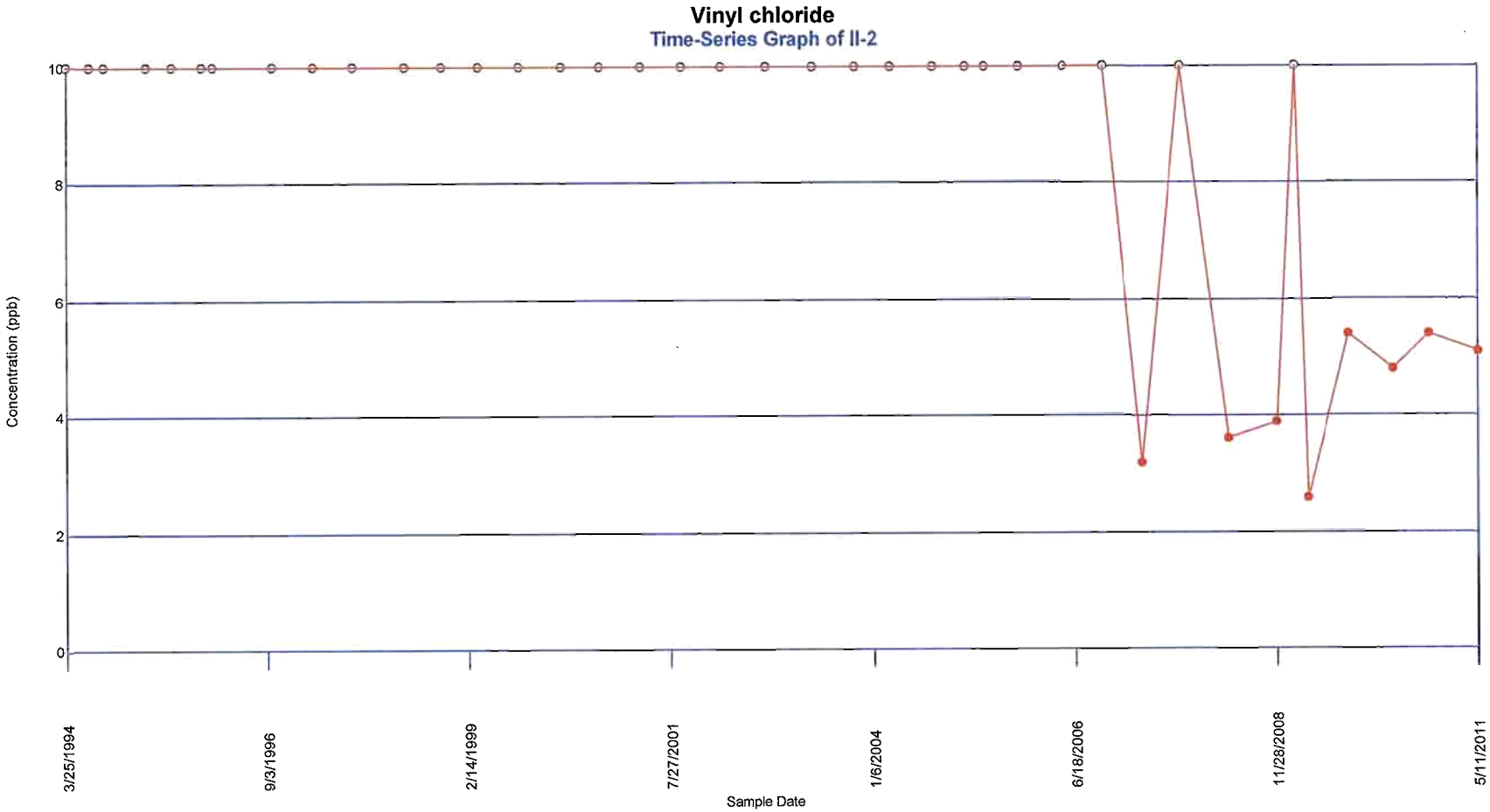
SS Wells	74142
SS Total	1.52049e+006

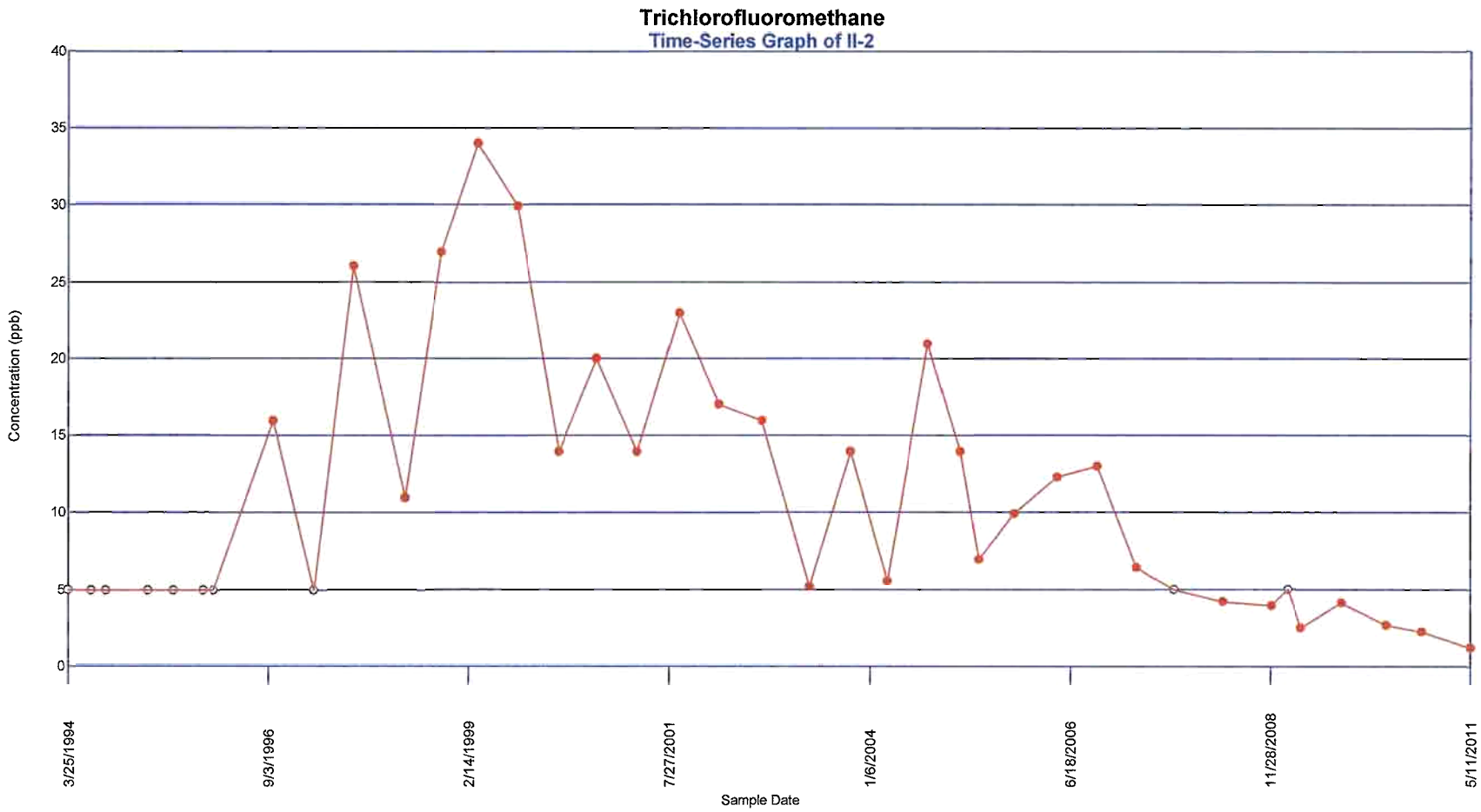
Kruskal-Wallis Statistics

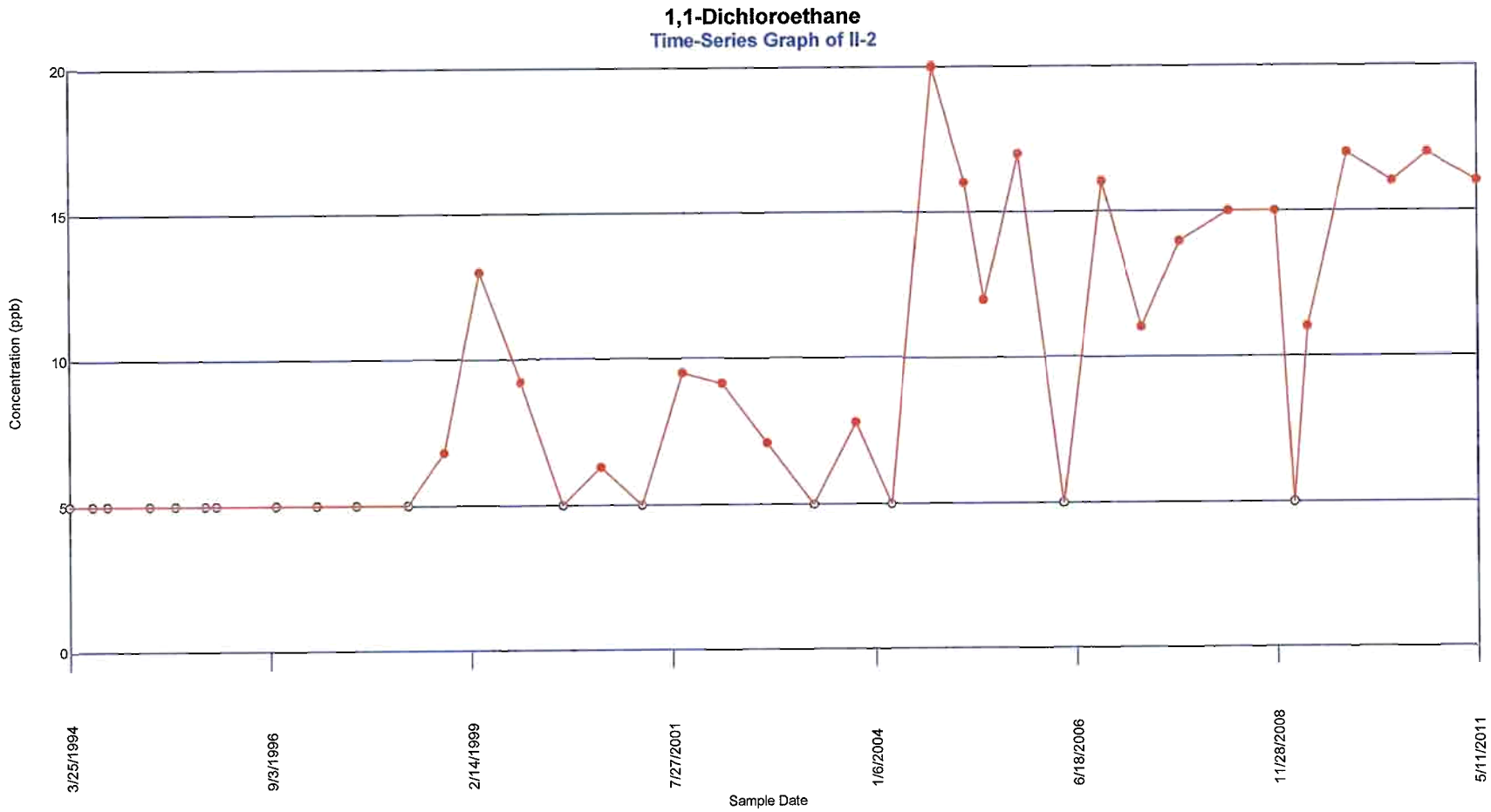
Non-Detect Rank	186
Background Rank Sum	18174
Background Rank Mean	245.595
H Statistic	35.8857
H Adjusted for Ties	60.6707

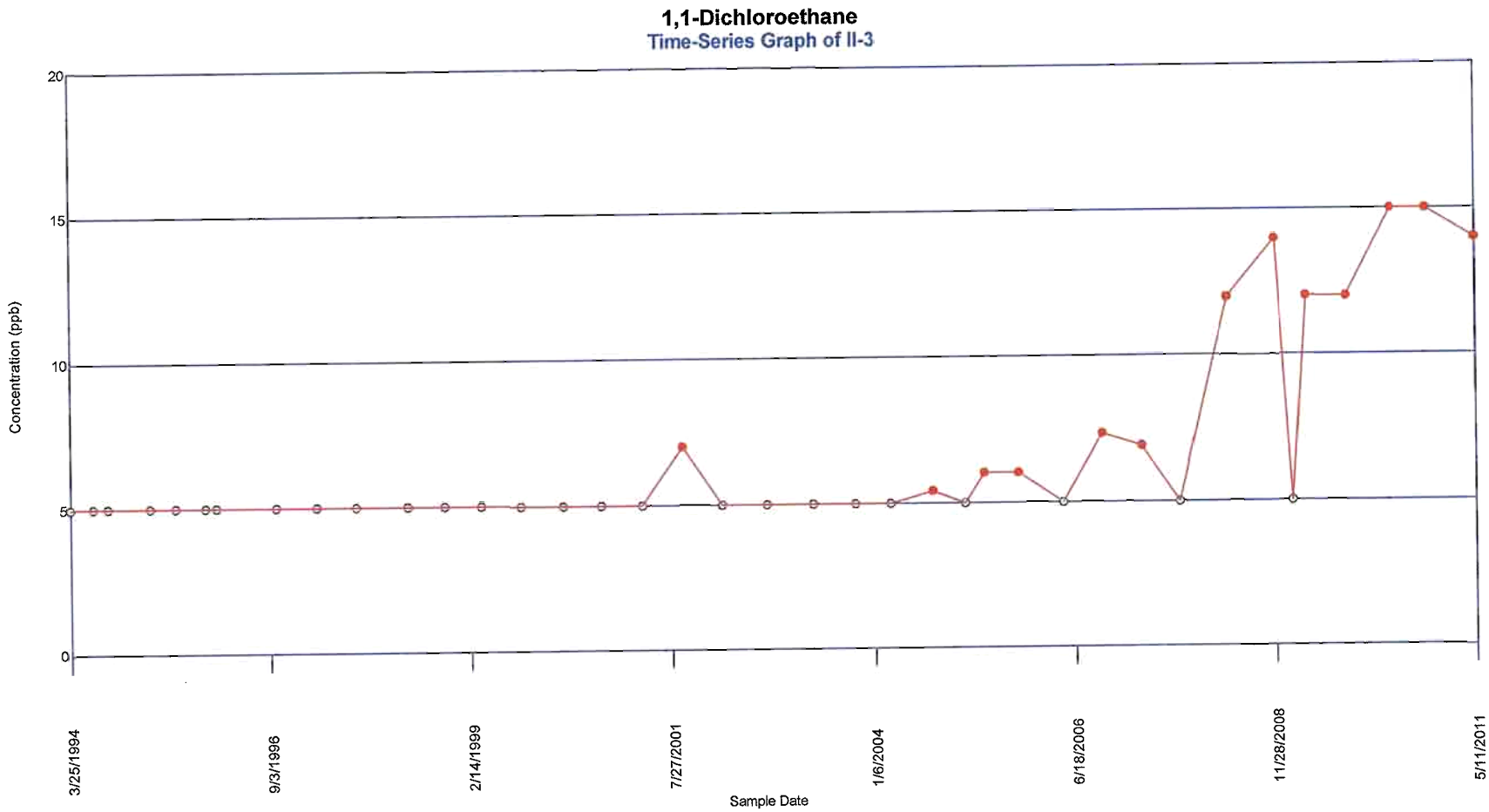
APPENDIX IV

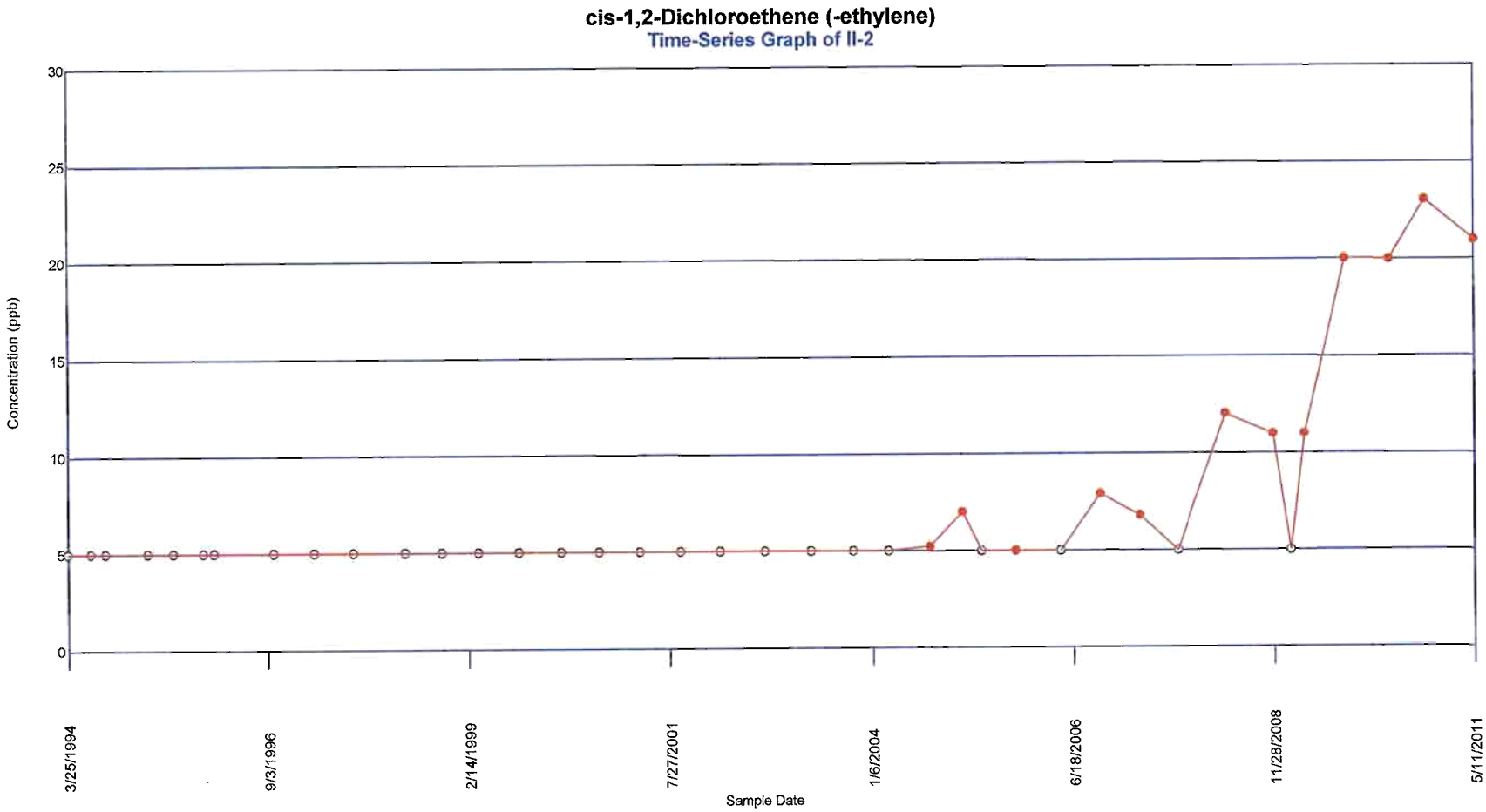
Time vs. Concentration Graphs

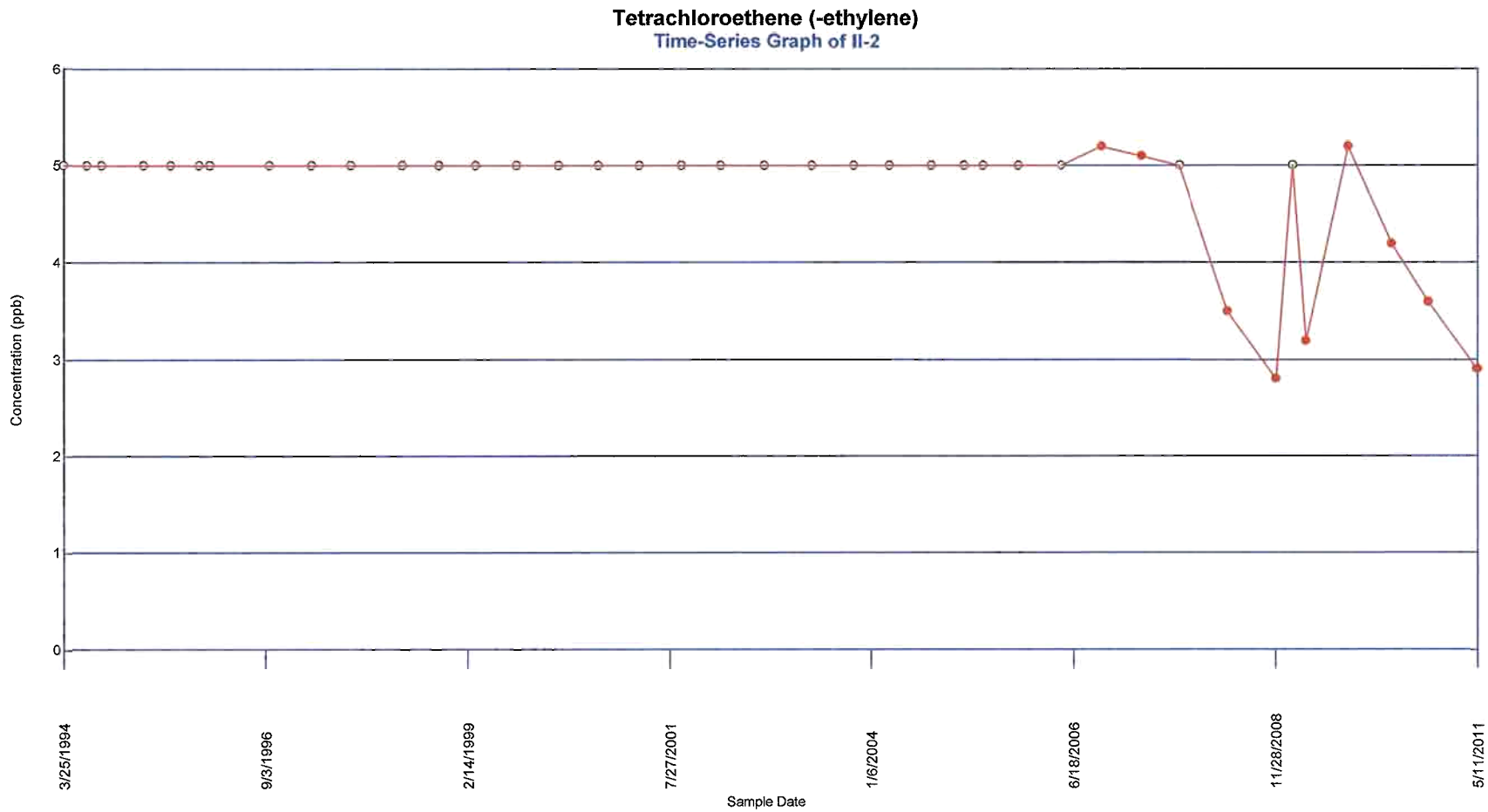

Vinyl chloride
Time-Series Graph of II-2
Concentration (ppb)
10
8
6
4
2
0
3/25/1994
9/3/1996
2/14/1999
7/27/2001
1/6/2004
6/18/2006
11/28/2008
5/11/2011
Sample Date

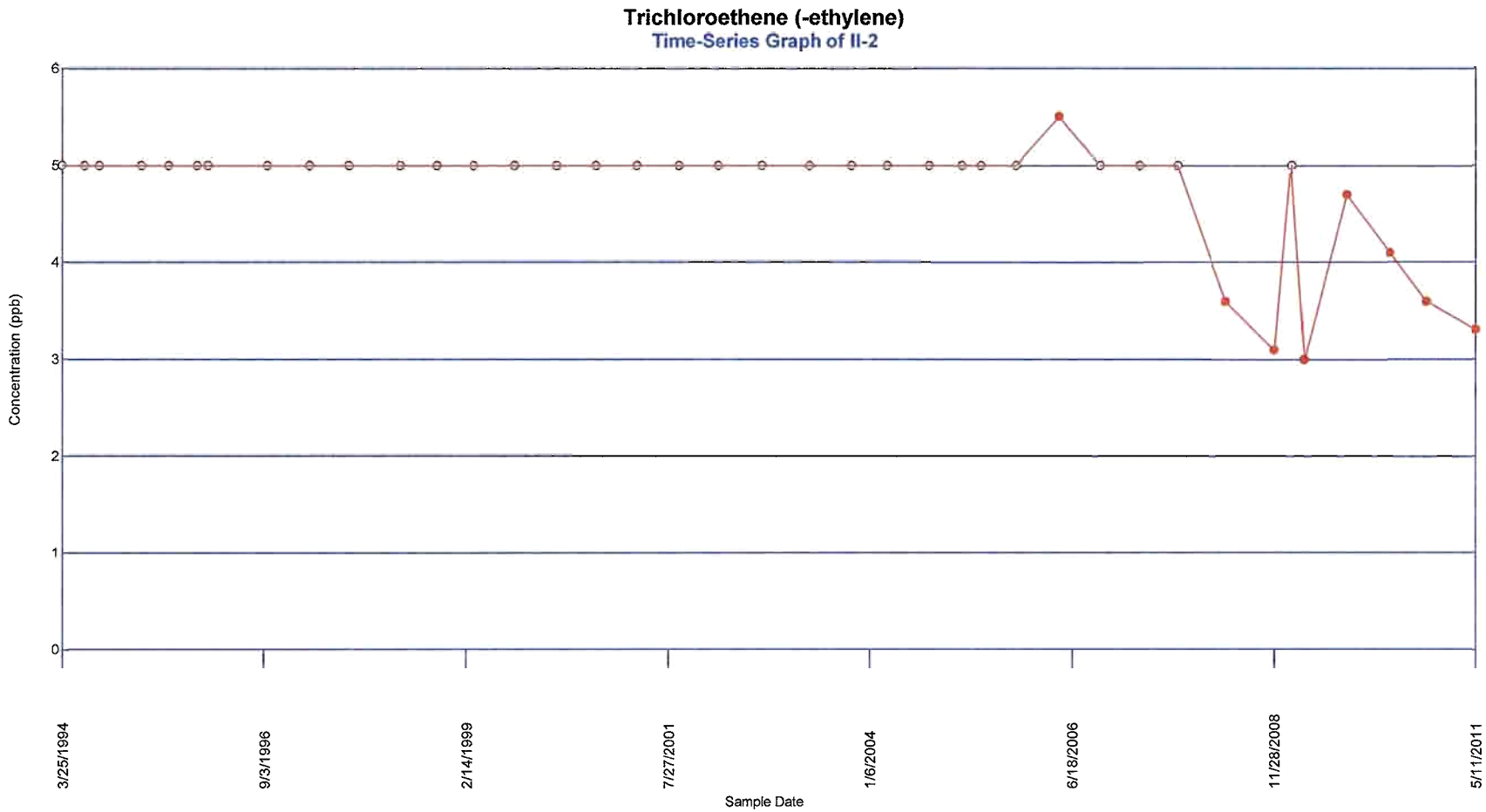

Trichlorofluoromethane
Time-Series Graph of II-2
Concentration (ppb)
40
35
30
25
20
15
10
5
0
3/25/1994
9/3/1996
2/14/1999
7/27/2001
1/6/2004
6/18/2006
11/28/2008
5/11/2011
Sample Date

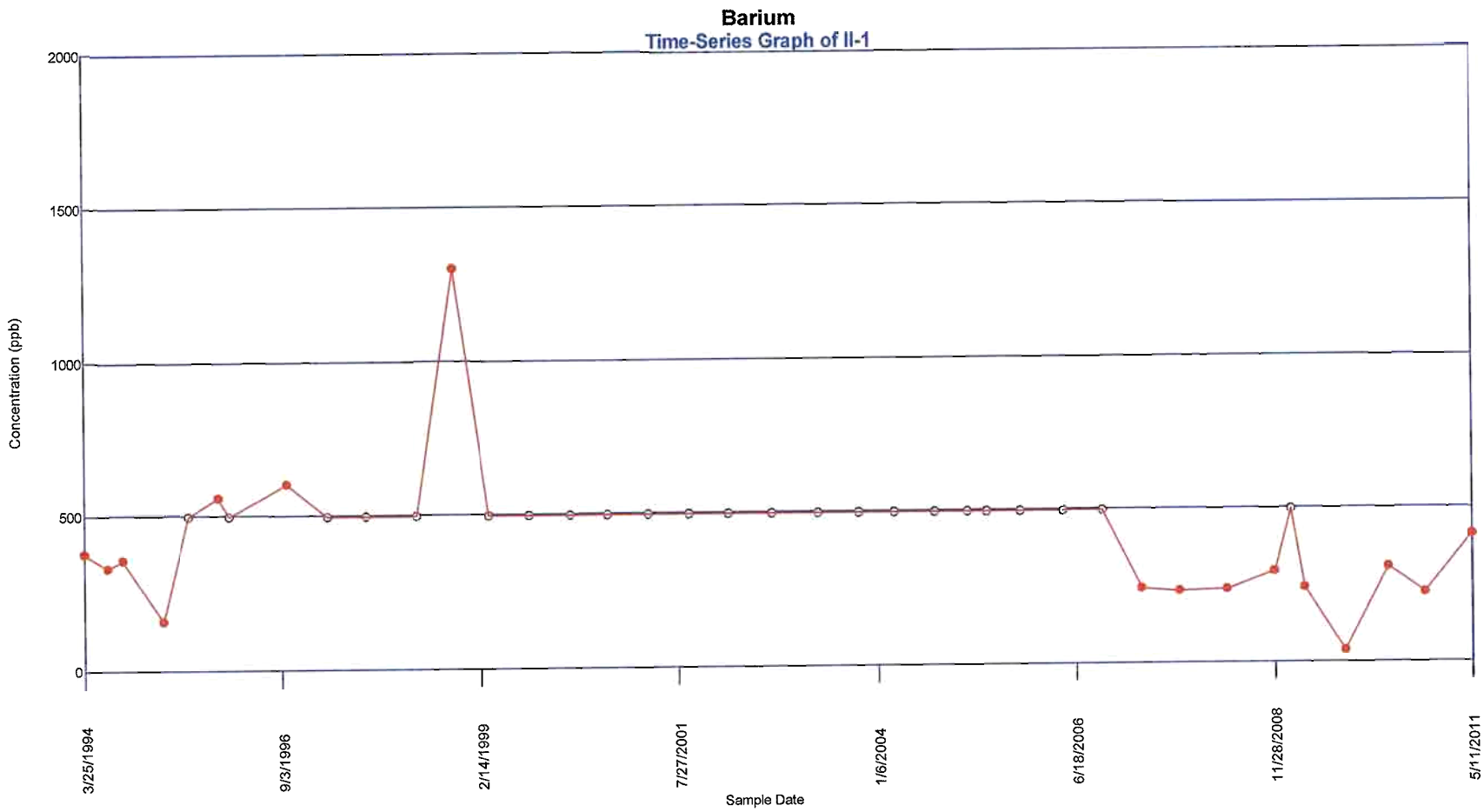

1,1-Dichloroethane
Time-Series Graph of II-2
Concentration (ppb)
20
15
10
5
0
3/25/1994
9/3/1996
2/14/1999
7/27/2001
1/6/2004
6/18/2006
11/28/2008
5/11/2011
Sample Date

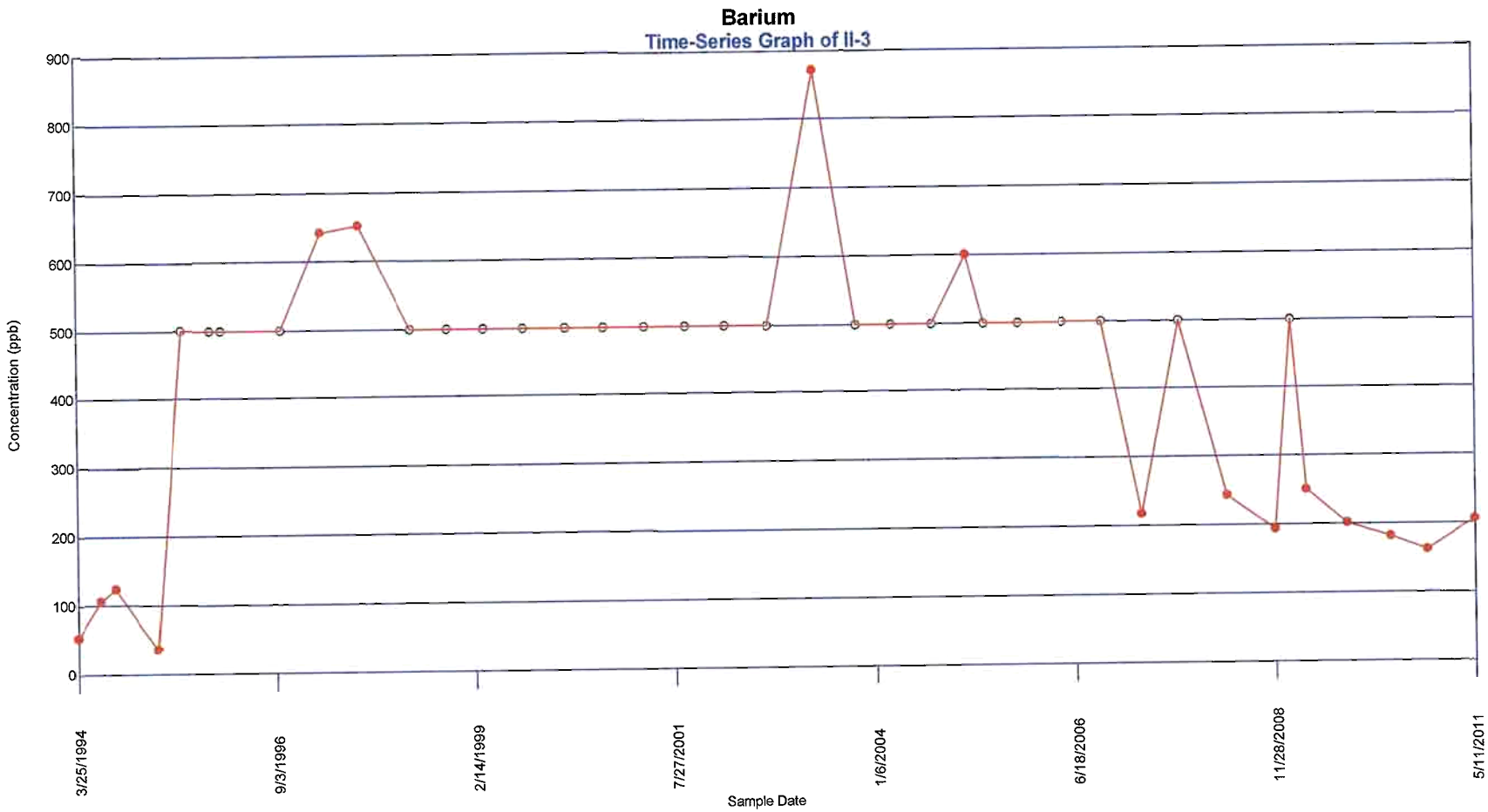

1,1-Dichloroethane
Time-Series Graph of II-3
Concentration (ppb)
20
15
10
5
0
3/25/1994
9/3/1996
2/14/1999
7/27/2001
1/6/2004
6/18/2006
11/28/2008
5/11/2011
Sample Date

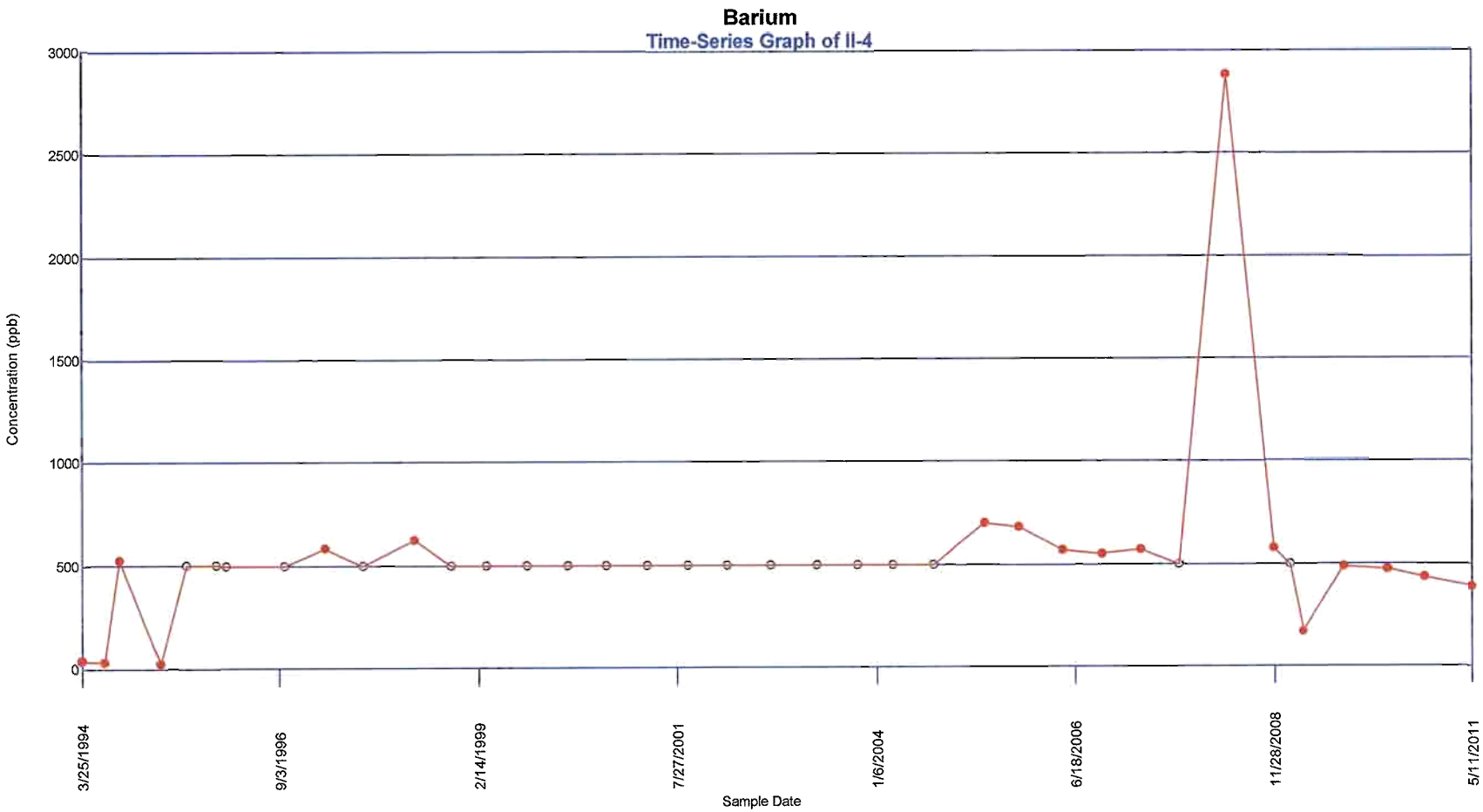

cis-1,2-Dichloroethene (-ethylene)
Time-Series Graph of II-2
Concentration (ppb)
30
25
20
15
10
5
0
3/25/1994
9/3/1996
2/14/1999
7/27/2001
1/6/2004
6/18/2006
11/28/2008
5/11/2011
Sample Date

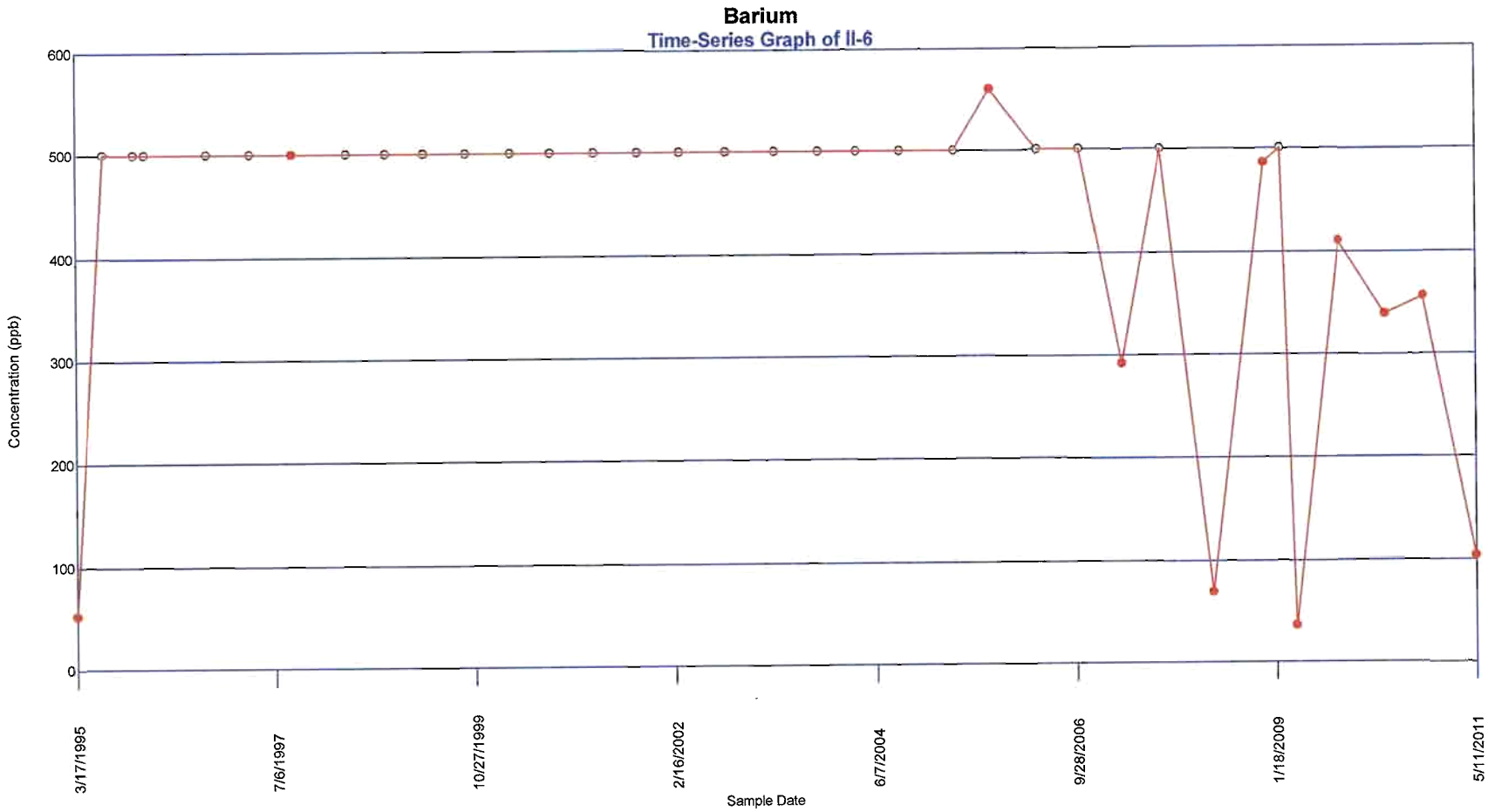

Tetrachloroethene (-ethylene)
Time-Series Graph of II-2
Concentration (ppb)
0
1
2
3
4
5
6
3/25/1994
9/3/1996
2/14/1999
7/27/2001
1/6/2004
6/18/2006
11/28/2008
5/11/2011
Sample Date

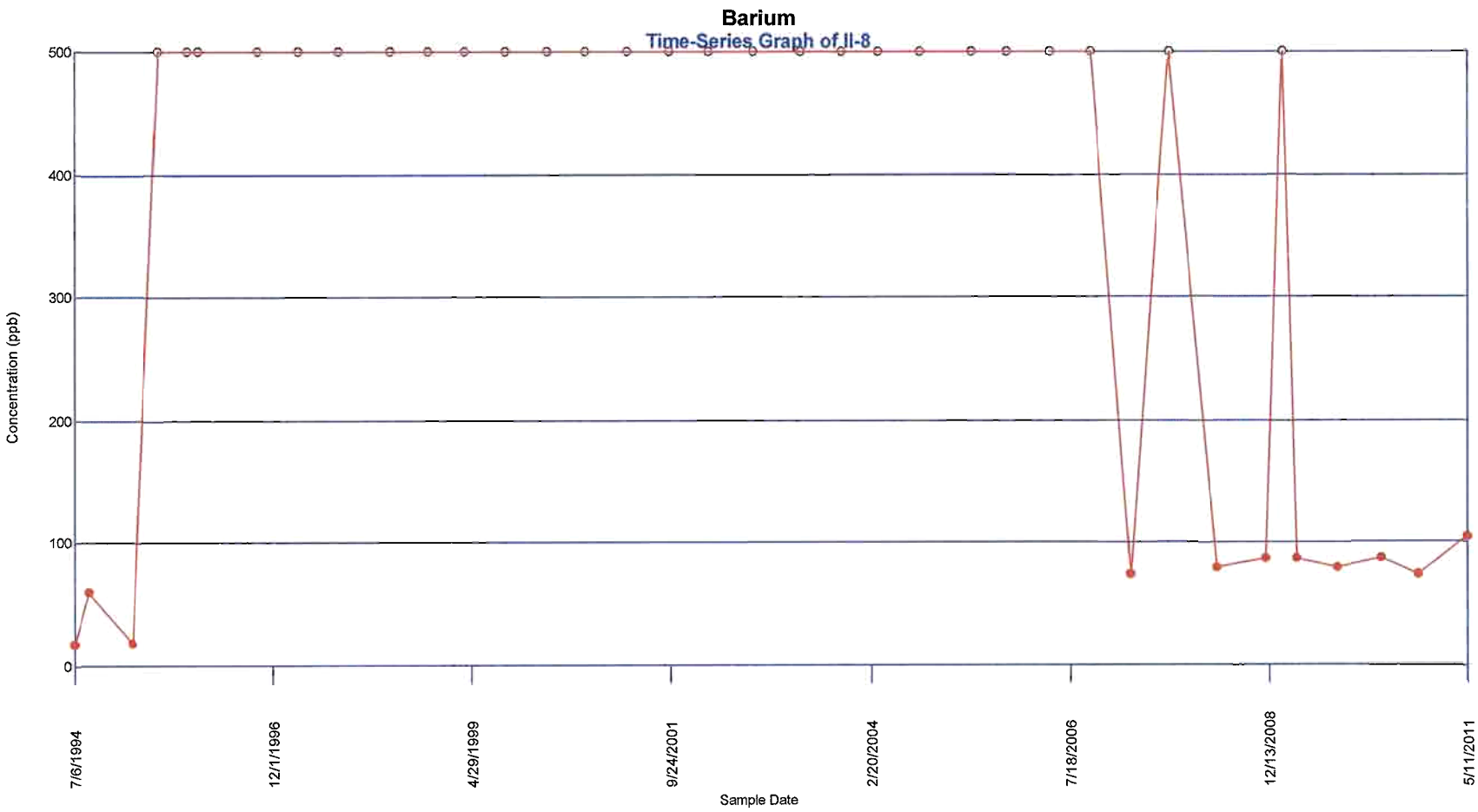

Trichloroethene (-ethylene)
Time-Series Graph of II-2
Concentration (ppb)
6
5
4
3
2
1
0
3/25/1994
9/3/1996
2/14/1999
7/27/2001
1/6/2004
6/18/2006
11/28/2008
5/11/2011
Sample Date

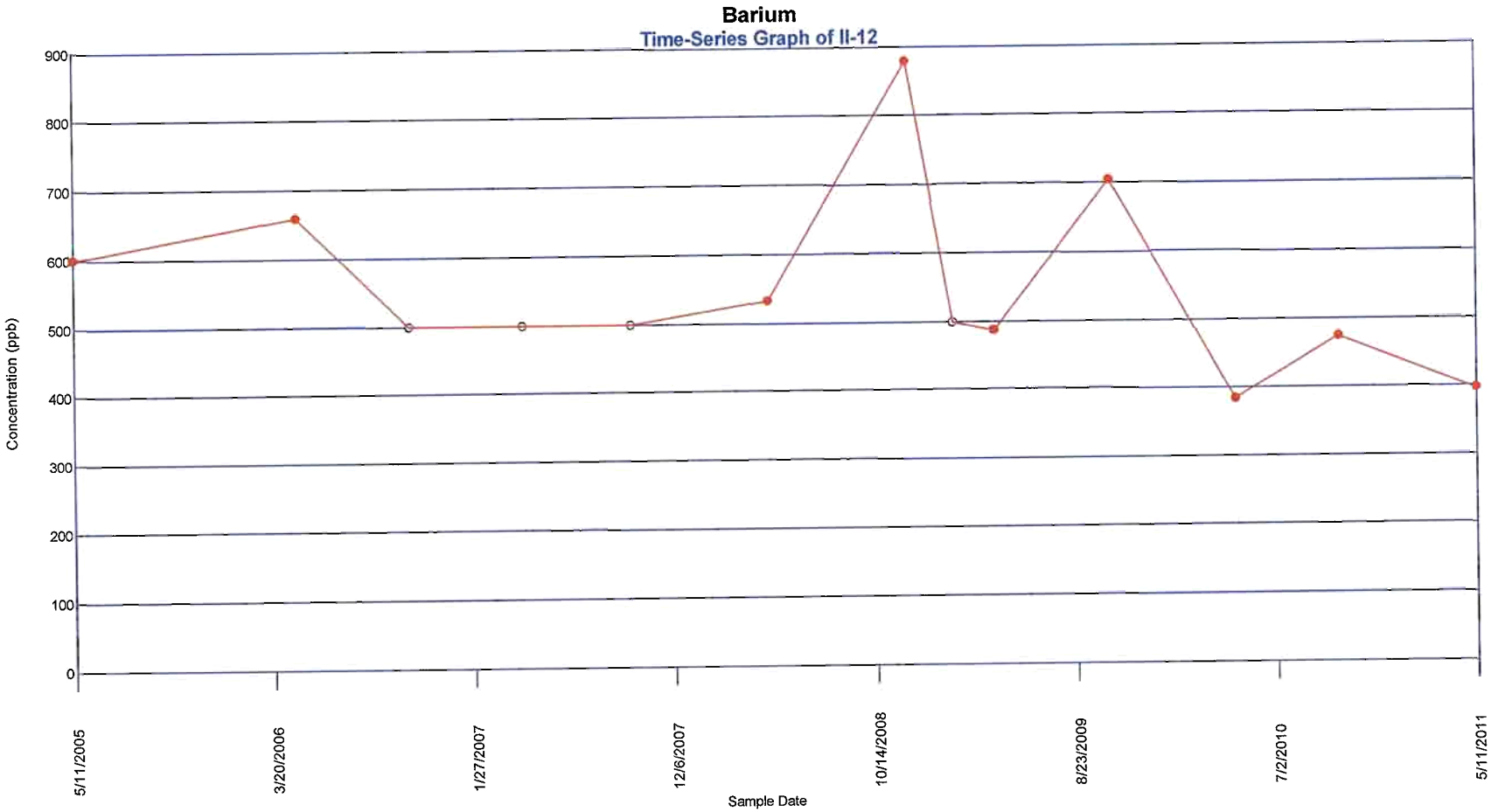

Barium
Time-Series Graph of II-1
Concentration (ppb)
2000
1500
1000
500
0
3/25/1994
9/3/1996
2/14/1999
7/27/2001
1/6/2004
6/18/2006
11/28/2008
5/11/2011
Sample Date

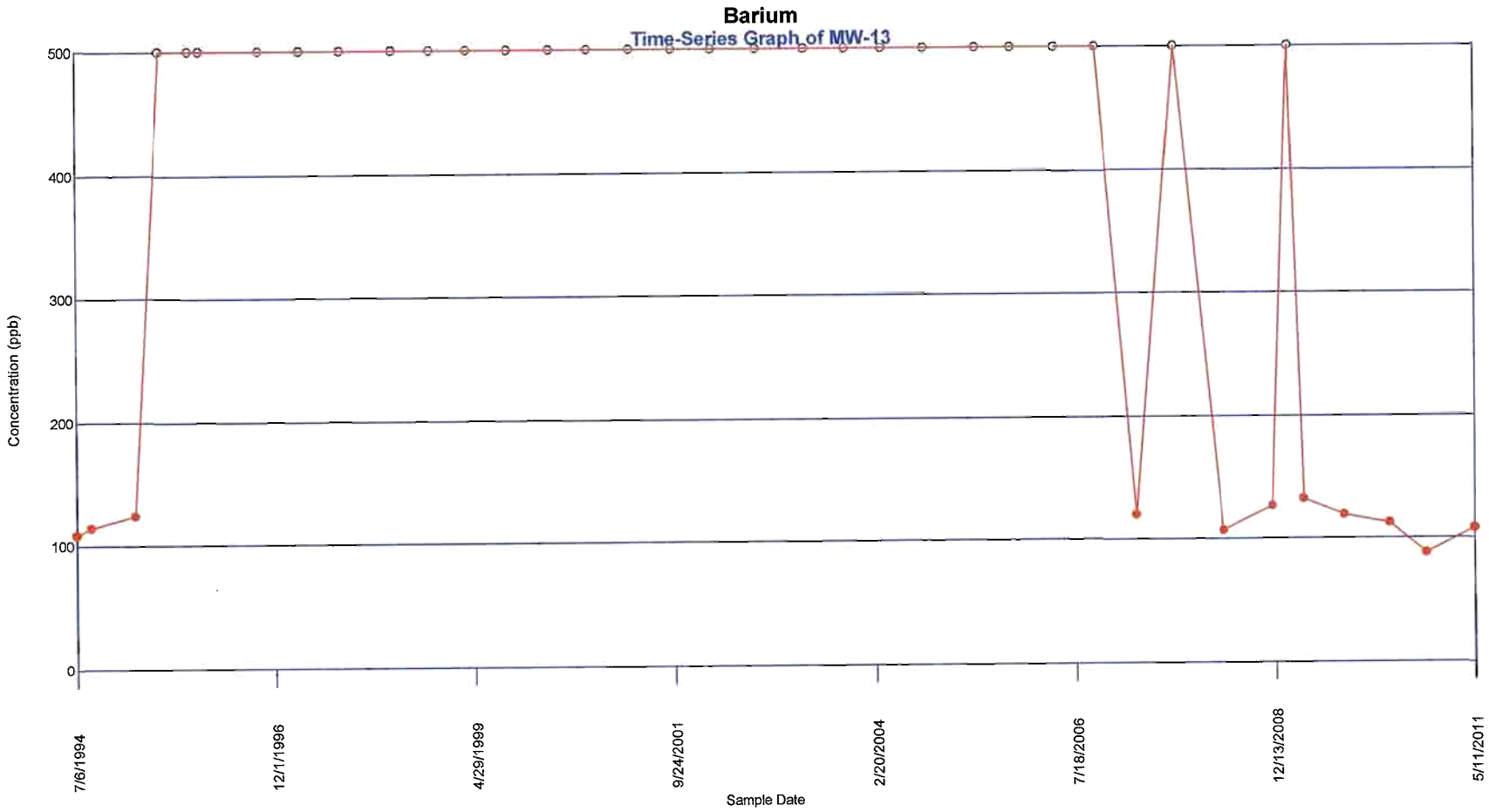

Barium
Time-Series Graph of II-3
Concentration (ppb)
900
800
700
600
500
400
300
200
100
0
3/25/1994
9/3/1996
2/14/1999
7/27/2001
1/6/2004
6/18/2006
11/28/2008
5/11/2011
Sample Date

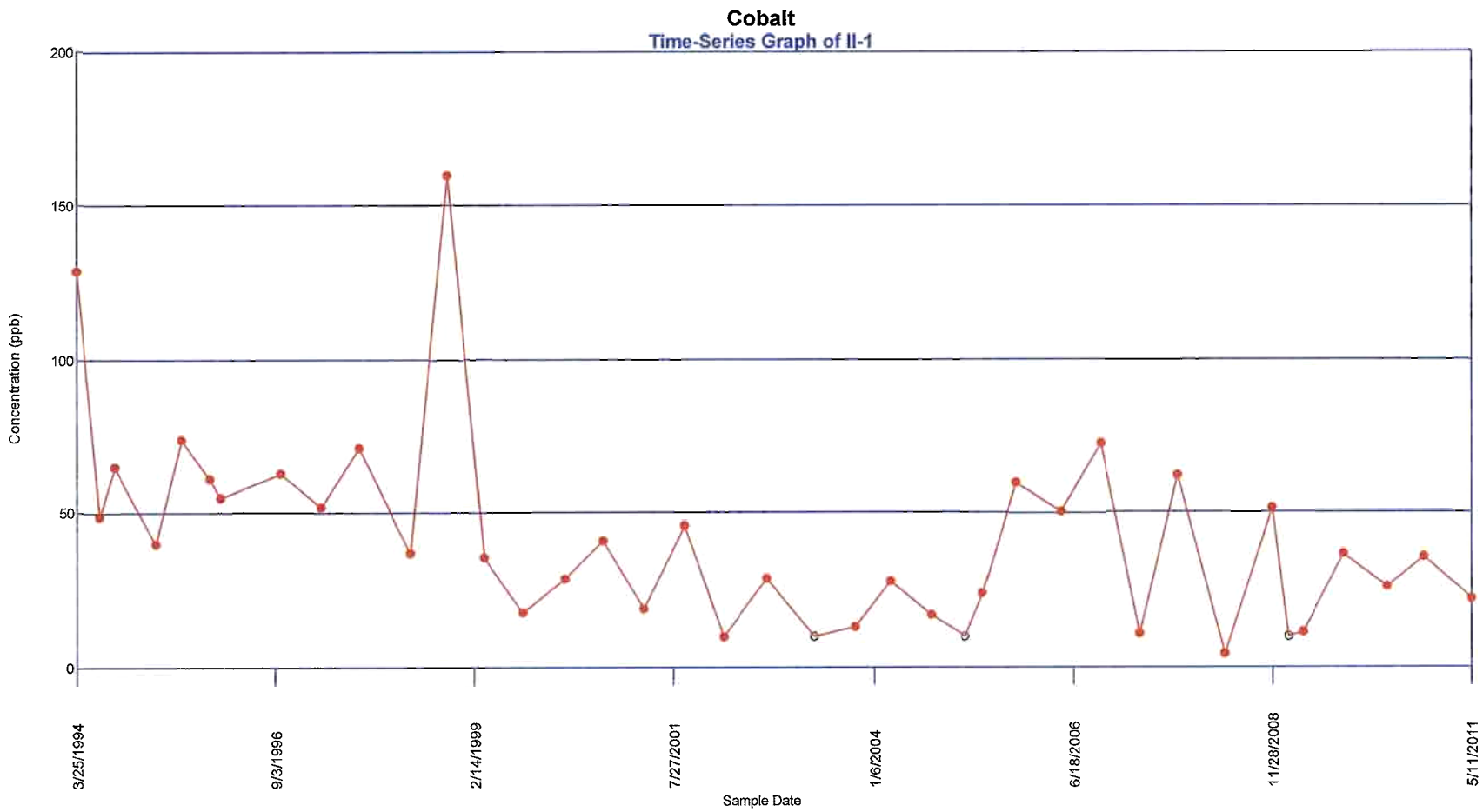

Barium
Time-Series Graph of II-4
Concentration (ppb)
3000
2500
2000
1500
1000
500
0
3/25/1994
9/3/1996
2/14/1999
7/27/2001
1/6/2004
6/18/2006
11/28/2008
5/11/2011
Sample Date

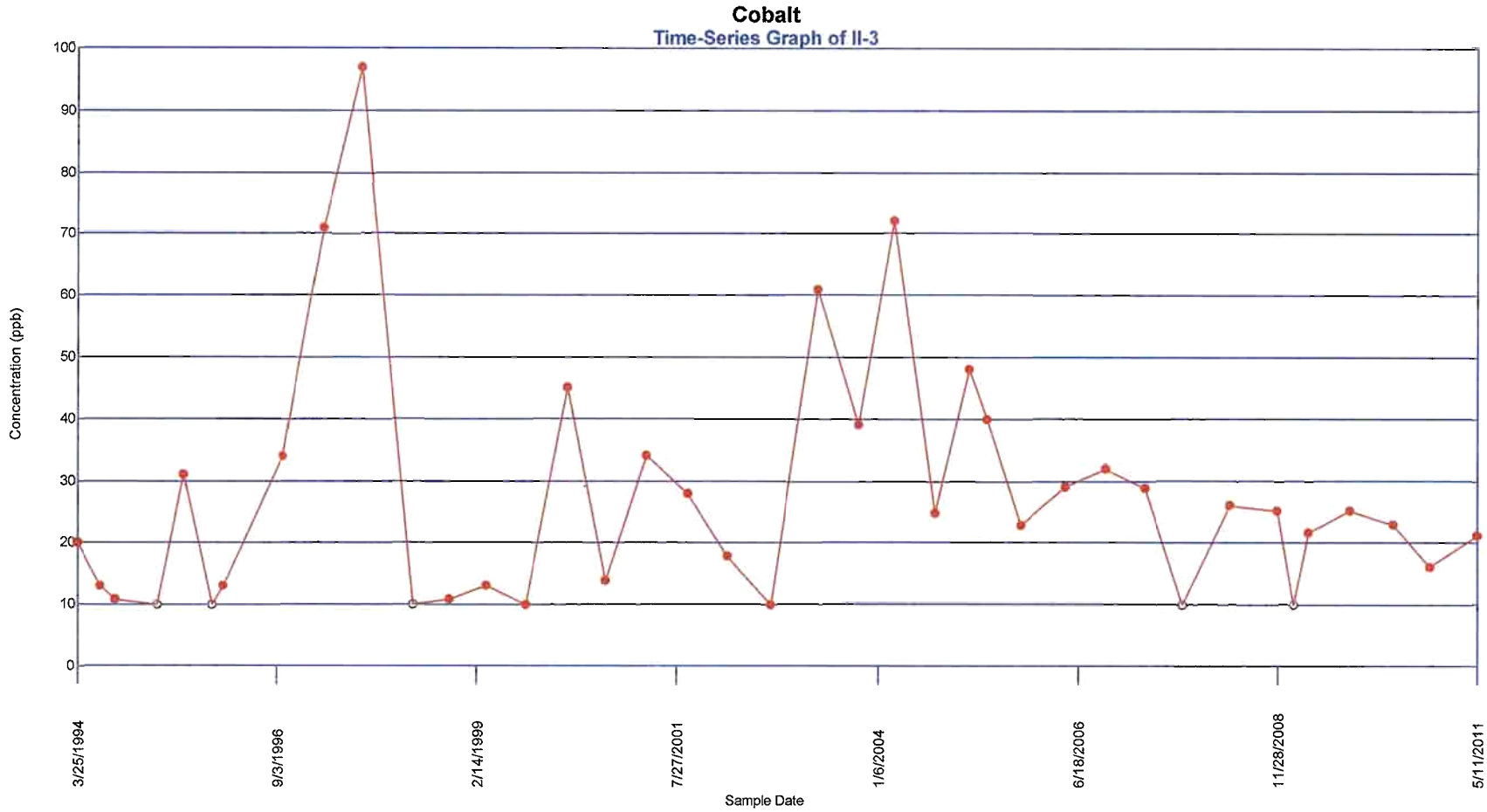

Barium
Time-Series Graph of II-6
Concentration (ppb)
600
500
400
300
200
100
0
3/17/1995
7/6/1997
10/27/1999
2/16/2002
6/7/2004
9/28/2006
1/18/2009
5/11/2011
Sample Date

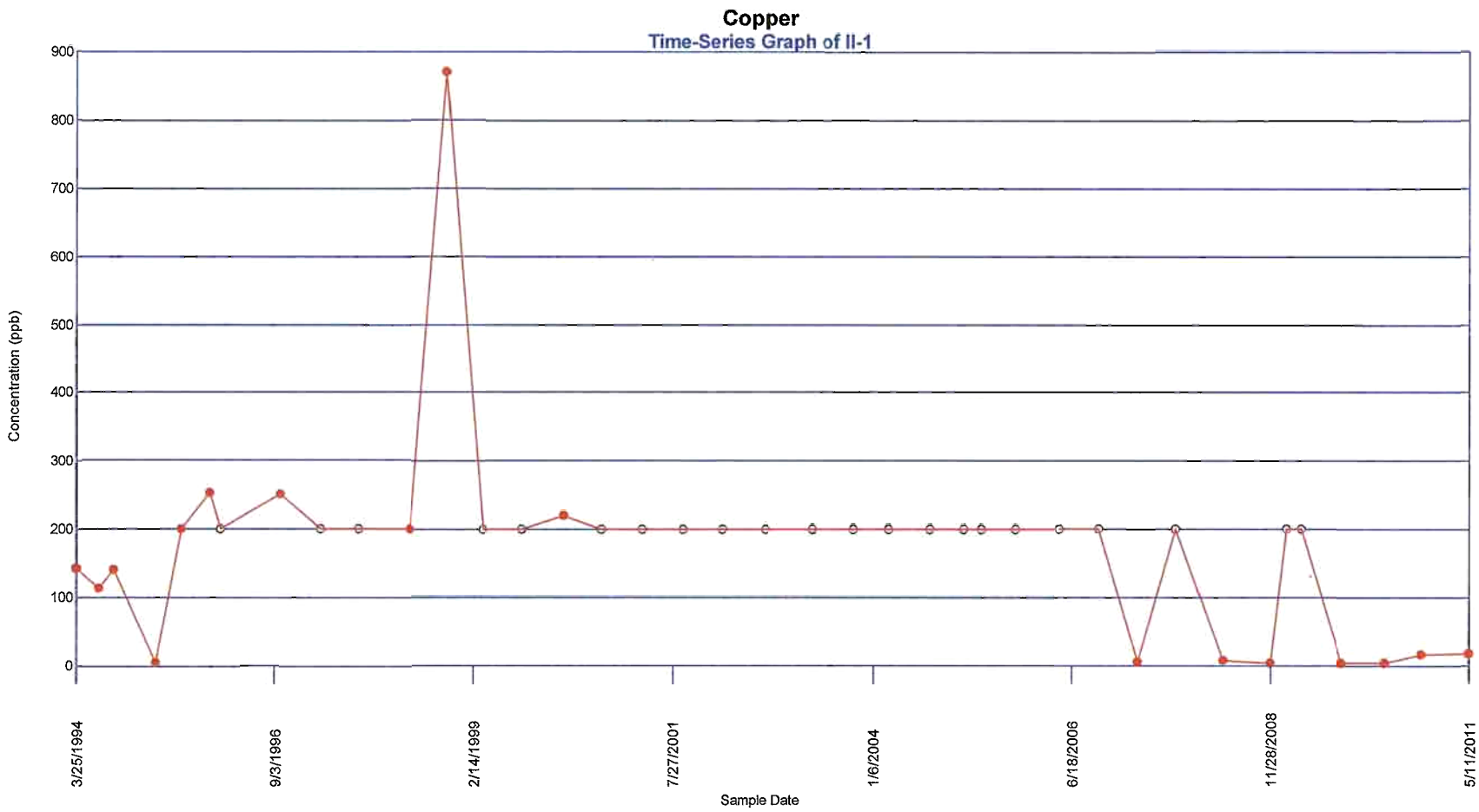

Barium
Time-Series Graph of II-8
Concentration (ppb)
500
400
300
200
100
0
7/6/1994
12/1/1996
4/29/1999
9/24/2001
2/20/2004
7/18/2006
12/13/2008
5/11/2011
Sample Date

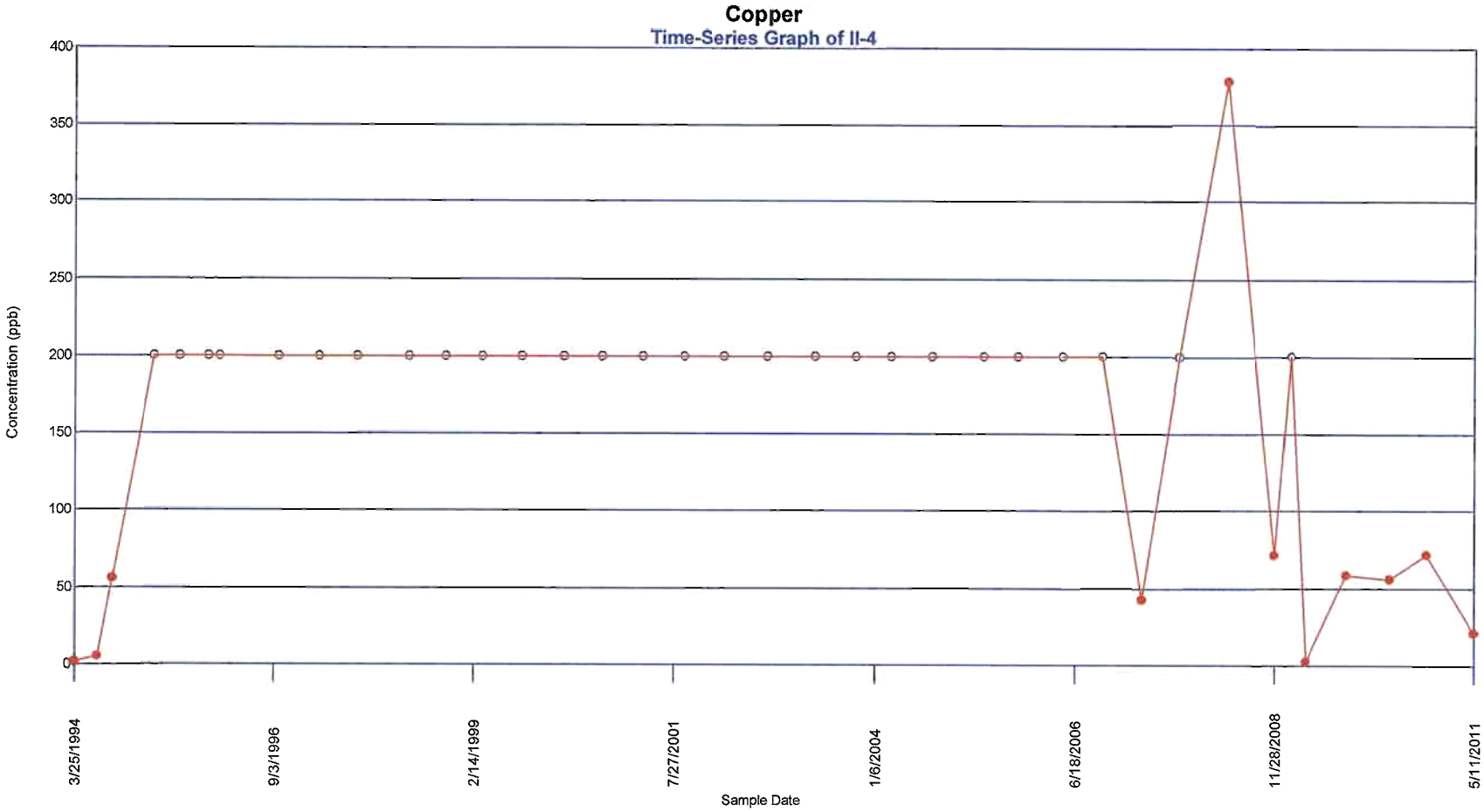

Barium
Time-Series Graph of II-12
Concentration (ppb)
900
800
700
600
500
400
300
200
100
0
5/11/2005
3/20/2006
1/27/2007
12/6/2007
10/14/2008
8/23/2009
7/2/2010
5/11/2011
Sample Date

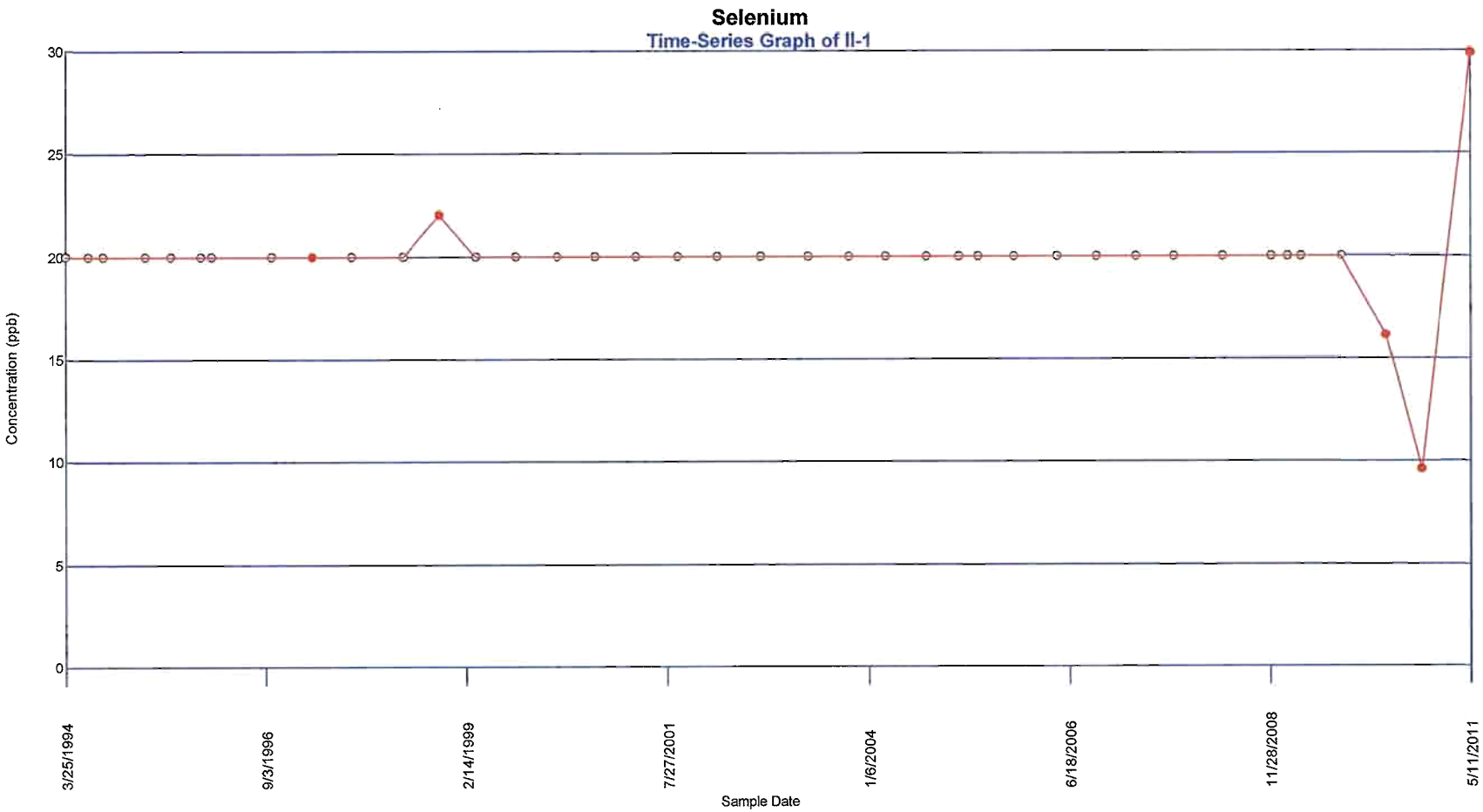

Barium
Time-Series Graph of MW-13
Concentration (ppb)
500
400
300
200
100
0
7/6/1994
12/1/1996
4/29/1999
9/24/2001
2/20/2004
7/18/2006
12/13/2008
5/11/2011
Sample Date

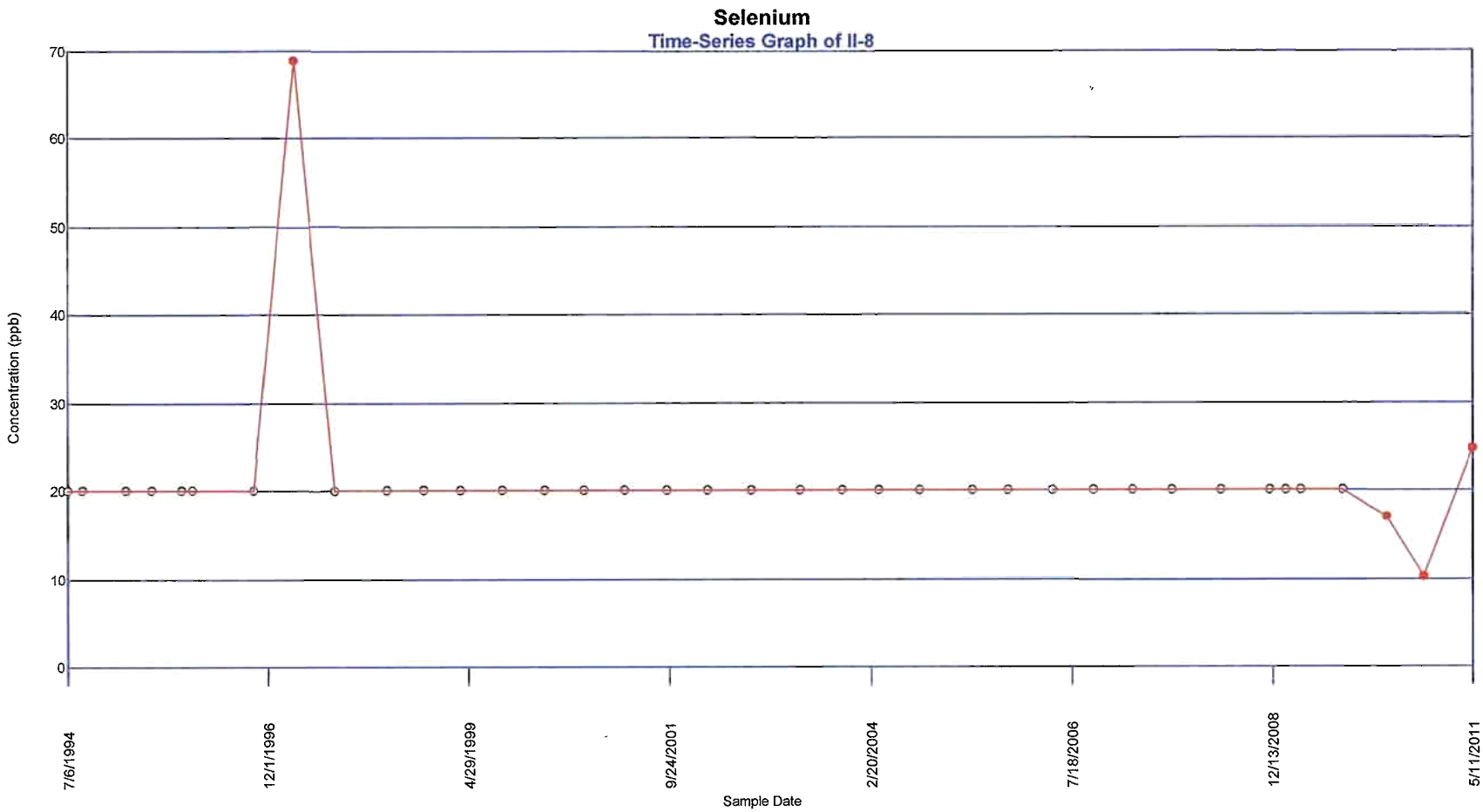

Cobalt
Time-Series Graph of II-1
Concentration (ppb)
200
150
100
50
0
3/25/1994
9/3/1996
2/14/1999
7/27/2001
1/6/2004
6/18/2006
11/28/2008
5/11/2011
Sample Date

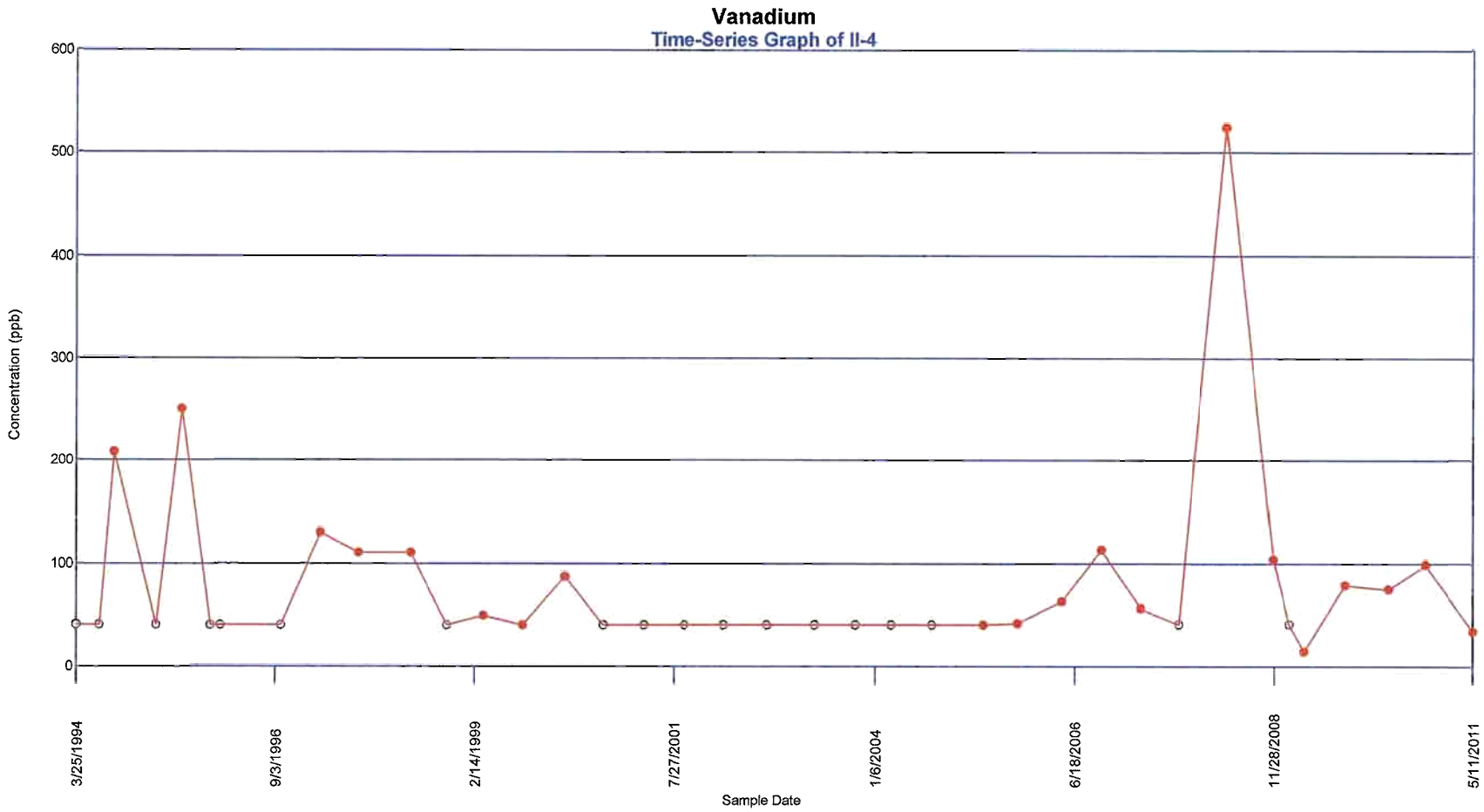

Cobalt
Time-Series Graph of II-3
Concentration (ppb)
100
90
80
70
60
50
40
30
20
10
0
3/25/1994
9/3/1996
2/14/1999
7/27/2001
1/6/2004
6/18/2006
11/28/2008
5/11/2011
Sample Date

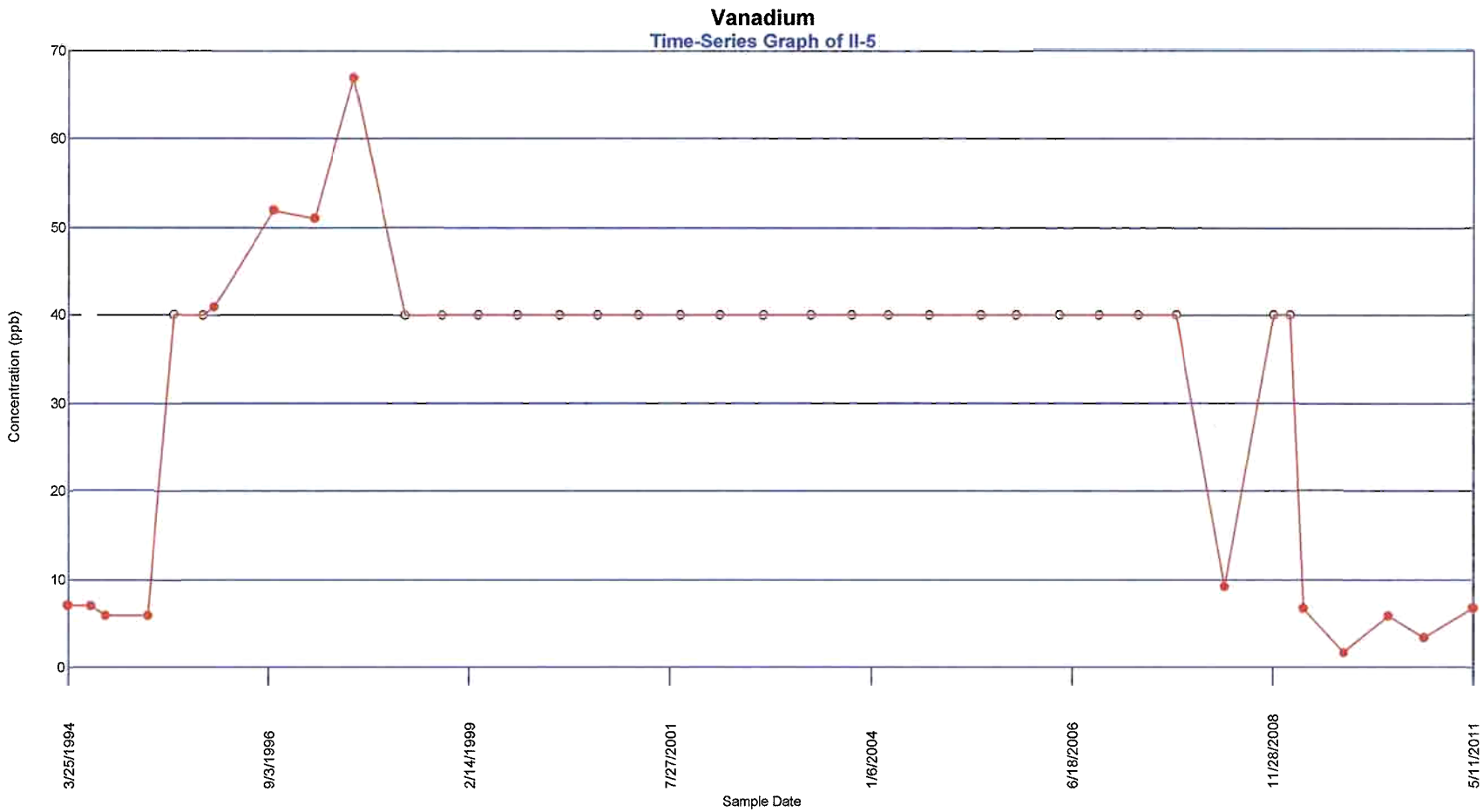

Copper
Time-Series Graph of II-1
Concentration (ppb)
900
800
700
600
500
400
300
200
100
0
3/25/1994
9/3/1996
2/14/1999
7/27/2001
1/6/2004
6/18/2006
11/28/2008
5/11/2011
Sample Date

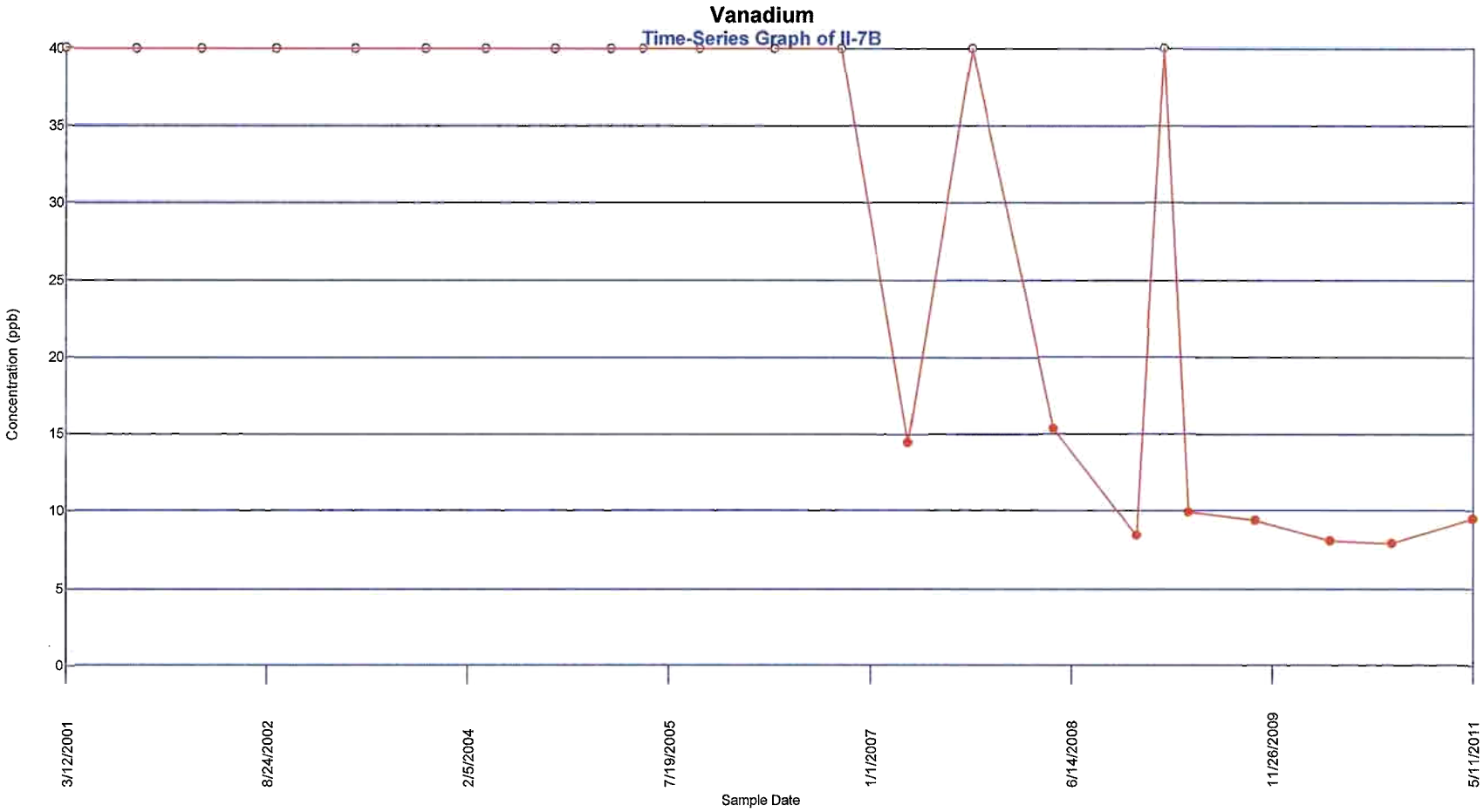

Copper
Time-Series Graph of II-4
Concentration (ppb)
400
350
300
250
200
150
100
50
0
3/25/1994
9/3/1996
2/14/1999
7/27/2001
1/6/2004
6/18/2006
11/28/2008
5/11/2011
Sample Date

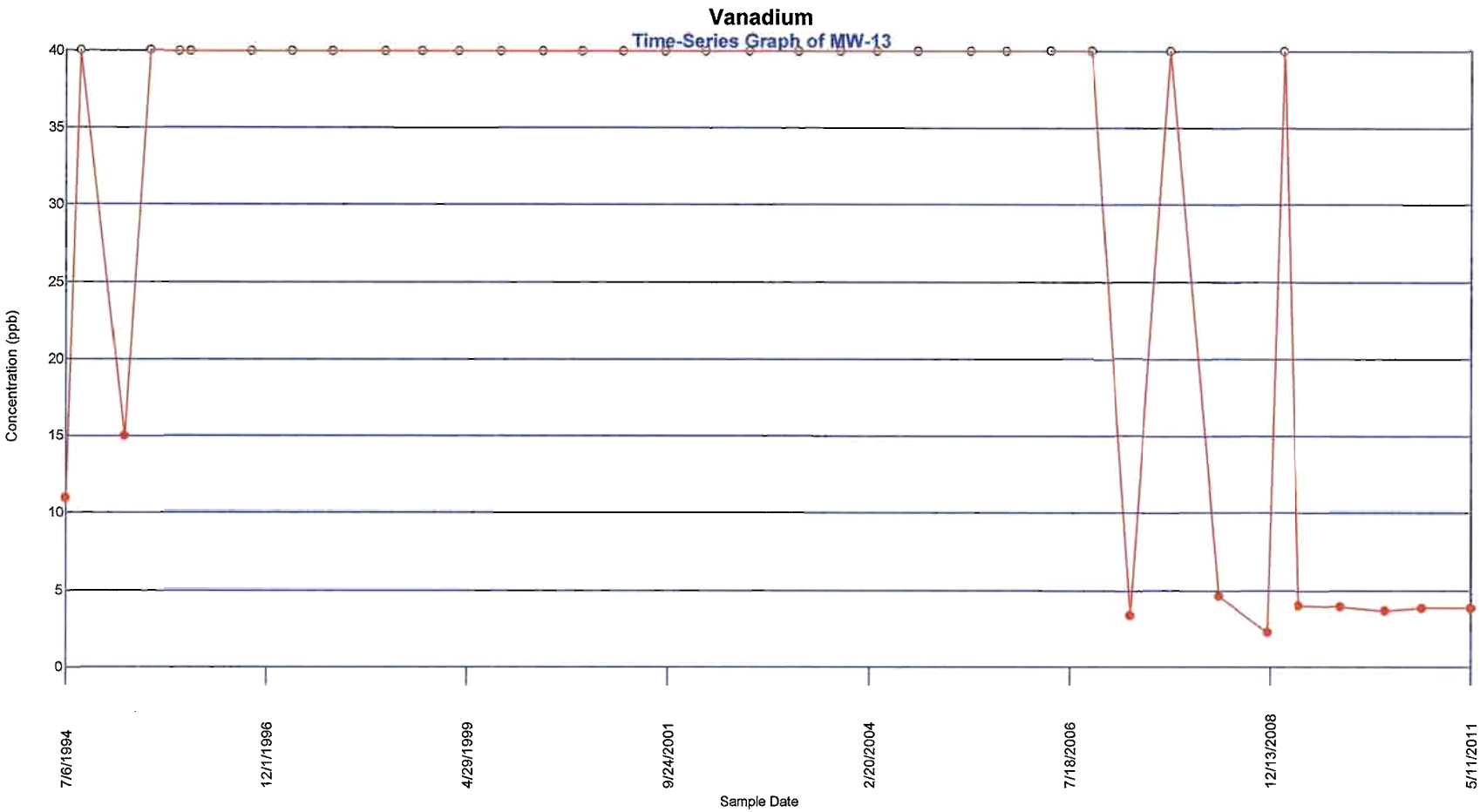

Selenium
Time-Series Graph of II-1
Concentration (ppb)
30
25
20
15
10
5
0
3/25/1994
9/3/1996
2/14/1999
7/27/2001
1/6/2004
6/18/2006
11/28/2008
5/11/2011
Sample Date

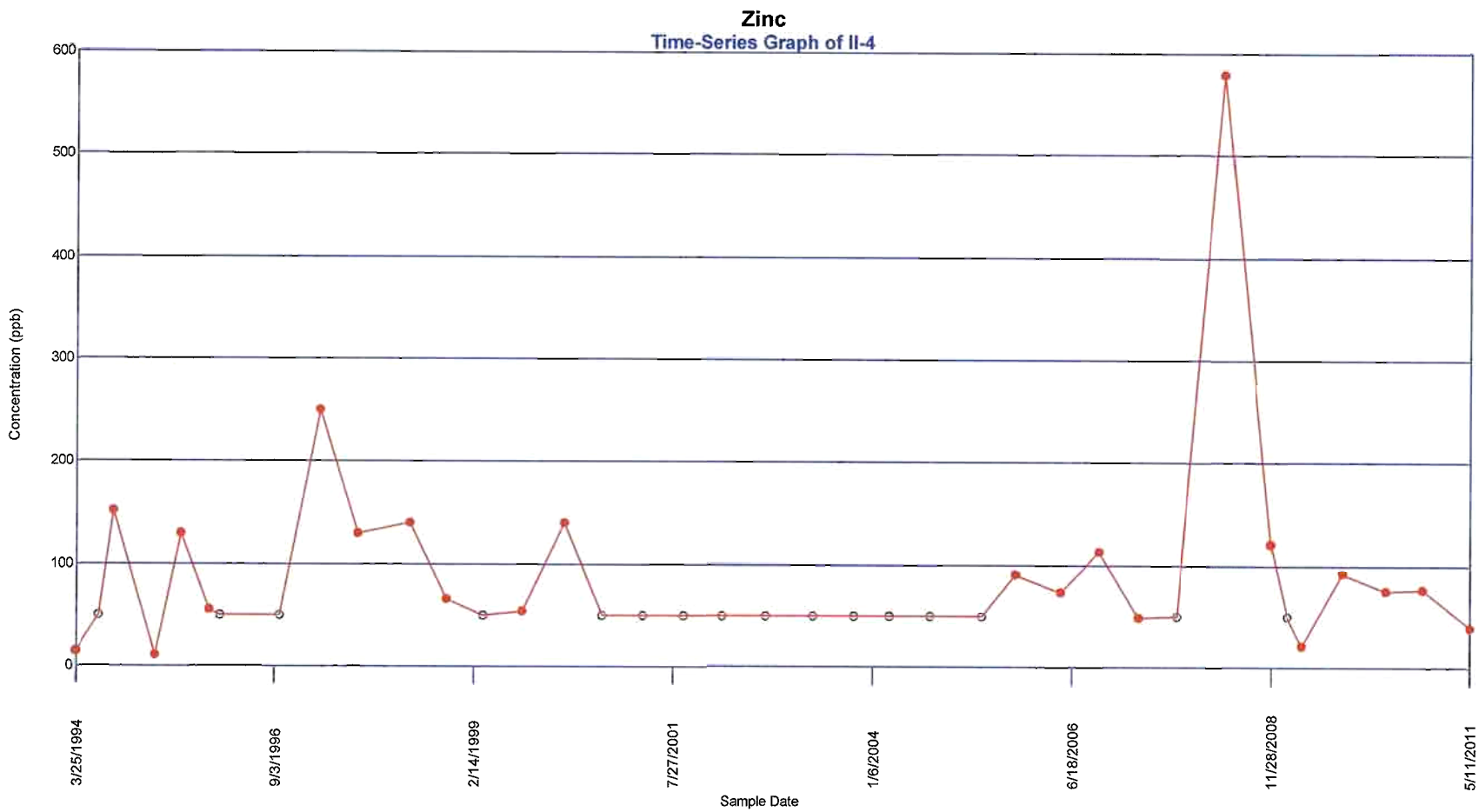

Selenium
Time-Series Graph of II-8
Concentration (ppb)
70
60
50
40
30
20
10
0
7/6/1994
12/1/1996
4/29/1999
9/24/2001
2/20/2004
7/18/2006
12/13/2008
5/11/2011
Sample Date


Vanadium
Time-Series Graph of II-4
Concentration (ppb)
600
500
400
300
200
100
0
3/25/1994
9/3/1996
2/14/1999
7/27/2001
1/6/2004
6/18/2006
11/28/2008
5/11/2011
Sample Date


Vanadium
Time-Series Graph of II-5
Concentration (ppb)
70
60
50
40
30
20
10
0
3/25/1994
9/3/1996
2/14/1999
7/27/2001
1/6/2004
6/18/2006
11/28/2008
5/11/2011
Sample Date


Vanadium
Time-Series Graph of II-7B
Concentration (ppb)
40
35
30
25
20
15
10
5
0
3/12/2001
8/24/2002
2/5/2004
7/19/2005
1/1/2007
6/14/2008
11/26/2009
5/11/2011
Sample Date


Vanadium
Time-Series Graph of MW-13
Concentration (ppb)
40
35
30
25
20
15
10
5
0
7/6/1994
12/1/1996
4/29/1999
9/24/2001
2/20/2004
7/18/2006
12/13/2008
5/11/2011
Sample Date


Zinc
Time-Series Graph of II-4
Concentration (ppb)
600
500
400
300
200
100
0
3/25/1994
9/3/1996
2/14/1999
7/27/2001
1/6/2004
6/18/2006
11/28/2008
5/11/2011
Sample Date

APPENDIX V

Normality Tests

Shapiro-Francia Test of Normality
Parameter: 1,1-Dichloroethane
All Locations
Normality Test of Parameter Concentrations
Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit
Total Number of Measurements = 516

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	0.42	0	0	0
2	0.49	-2.74777	7.55021	-1.34641
3	0.62	-2.57583	14.1851	-2.94342
4	0.72	-2.45727	20.2233	-4.71266
5	0.73	-2.36561	25.8195	-6.43956
6	0.74	-2.29036	31.0652	-8.13443
7	0.79	-2.22621	36.0212	-9.89313
8	0.79	-2.17009	40.7305	-11.6075
9	0.83	-2.12007	45.2252	-13.3672
10	0.87	-2.07485	49.5302	-15.1723
11	0.89	-2.03352	53.6654	-16.9821
12	0.91	-1.99539	57.647	-18.7979
13	1.1	-1.95996	61.4884	-20.9539
14	1.1	-1.92684	65.2012	-23.0734
15	1.1	-1.8957	68.7948	-25.1587
16	1.2	-1.88079	72.3322	-27.4156
17	1.2	-1.85218	75.7627	-29.6382
18	1.2	-1.82501	79.0934	-31.8282
19	1.2	-1.79912	82.3302	-33.9872
20	1.4	-1.77438	85.4786	-36.4713
21	1.4	-1.75069	88.5435	-38.9223
22	1.5	-1.72793	91.5293	-41.5142
23	1.7	-1.70604	94.4399	-44.4144
24	1.7	-1.68494	97.2789	-47.2788
25	2	-1.66456	100.05	-50.608
26	2	-1.64485	102.755	-53.8977
27	2.1	-1.62576	105.398	-57.3118
28	2.1	-1.60725	107.982	-60.687
29	2.2	-1.58927	110.507	-64.1834
30	2.2	-1.57179	112.978	-67.6413
31	2.3	-1.56322	115.422	-71.2367
32	2.3	-1.54643	117.813	-74.7935
33	2.5	-1.53007	120.154	-78.6187
34	2.6	-1.5141	122.447	-82.5553
35	2.6	-1.49852	124.692	-86.4515
36	2.7	-1.48328	126.892	-90.4563
37	3	-1.46838	129.048	-94.8615
38	5	-1.4538	131.162	-102.131
39	5	-1.43953	133.234	-109.328
40	5	-1.42554	135.266	-116.456
41	5	-1.41183	137.26	-123.515
42	5	-1.39838	139.215	-130.507
43	5	-1.38517	141.134	-137.433
44	5	-1.3722	143.017	-144.294
45	5	-1.35946	144.865	-151.091
46	5	-1.35317	146.696	-157.857
47	5	-1.34075	148.494	-164.561

48	5	-1.32854	150.259	-171.203
49	5	-1.31652	151.992	-177.786
50	5	-1.30469	153.694	-184.309
51	5	-1.29303	155.366	-190.775
52	5	-1.28155	157.008	-197.182
53	5	-1.27024	158.622	-203.534
54	5	-1.25908	160.207	-209.829
55	5	-1.24809	161.765	-216.069
56	5	-1.23724	163.296	-222.256
57	5	-1.22653	164.8	-228.388
58	5	-1.21596	166.279	-234.468
59	5	-1.20553	167.732	-240.496
60	5	-1.19522	169.16	-246.472
61	5	-1.19012	170.577	-252.422
62	5	-1.18	171.969	-258.322
63	5	-1.17	173.338	-264.172
64	5	-1.16012	174.684	-269.973
65	5	-1.15035	176.007	-275.725
66	5	-1.14069	177.308	-281.428
67	5	-1.13113	178.588	-287.084
68	5	-1.12168	179.846	-292.692
69	5	-1.11232	181.083	-298.254
70	5	-1.10306	182.3	-303.769
71	5	-1.0939	183.497	-309.239
72	5	-1.08482	184.673	-314.663
73	5	-1.07584	185.831	-320.042
74	5	-1.06694	186.969	-325.377
75	5	-1.05812	188.089	-330.667
76	5	-1.04939	189.19	-335.914
77	5	-1.04505	190.282	-341.139
78	5	-1.03643	191.356	-346.322
79	5	-1.02789	192.413	-351.461
80	5	-1.01943	193.452	-356.558
81	5	-1.01104	194.474	-361.613
82	5	-1.00271	195.48	-366.627
83	5	-0.994457	196.469	-371.599
84	5	-0.986272	197.442	-376.531
85	5	-0.97815	198.398	-381.421
86	5	-0.970094	199.339	-386.272
87	5	-0.9621	200.265	-391.082
88	5	-0.954165	201.175	-395.853
89	5	-0.946291	202.071	-400.585
90	5	-0.938476	202.952	-405.277
91	5	-0.930718	203.818	-409.931
92	5	-0.926859	204.677	-414.565
93	5	-0.919183	205.522	-419.161
94	5	-0.911562	206.353	-423.719
95	5	-0.903992	207.17	-428.239
96	5	-0.896473	207.974	-432.721
97	5	-0.889006	208.764	-437.166
98	5	-0.881587	209.541	-441.574
99	5	-0.874218	210.305	-445.945
100	5	-0.866894	211.057	-450.279
101	5	-0.859618	211.796	-454.577
102	5	-0.852385	212.522	-458.839
103	5	-0.845198	213.237	-463.065
104	5	-0.838054	213.939	-467.256

105	5	-0.830953	214.63	-471.41
106	5	-0.823893	215.308	-475.53
107	5	-0.820379	215.981	-479.632
108	5	-0.813379	216.643	-483.699
109	5	-0.806422	217.293	-487.731
110	5	-0.7995	217.933	-491.728
111	5	-0.792618	218.561	-495.691
112	5	-0.785774	219.178	-499.62
113	5	-0.778966	219.785	-503.515
114	5	-0.772193	220.381	-507.376
115	5	-0.765456	220.967	-511.203
116	5	-0.758753	221.543	-514.997
117	5	-0.752084	222.109	-518.758
118	5	-0.745449	222.664	-522.485
119	5	-0.738846	223.21	-526.179
120	5	-0.732275	223.746	-529.84
121	5	-0.725736	224.273	-533.469
122	5	-0.722479	224.795	-537.081
123	5	-0.715986	225.308	-540.661
124	5	-0.709522	225.811	-544.209
125	5	-0.703089	226.305	-547.724
126	5	-0.696684	226.791	-551.208
127	5	-0.690309	227.267	-554.659
128	5	-0.68396	227.735	-558.079
129	5	-0.677639	228.194	-561.467
130	5	-0.671346	228.645	-564.824
131	5	-0.665079	229.087	-568.15
132	5	-0.658838	229.521	-571.444
133	5	-0.652622	229.947	-574.707
134	5	-0.646431	230.365	-577.939
135	5	-0.640266	230.775	-581.14
136	5	-0.634124	231.177	-584.311
137	5	-0.631062	231.576	-587.466
138	5	-0.624956	231.966	-590.591
139	5	-0.618872	232.349	-593.685
140	5	-0.612813	232.725	-596.749
141	5	-0.606775	233.093	-599.783
142	5	-0.60076	233.454	-602.787
143	5	-0.594766	233.807	-605.761
144	5	-0.588793	234.154	-608.705
145	5	-0.582841	234.494	-611.619
146	5	-0.576911	234.827	-614.504
147	5	-0.570999	235.153	-617.359
148	5	-0.565108	235.472	-620.184
149	5	-0.559237	235.785	-622.98
150	5	-0.553384	236.091	-625.747
151	5	-0.547551	236.391	-628.485
152	5	-0.541736	236.684	-631.194
153	5	-0.538836	236.975	-633.888
154	5	-0.533048	237.259	-636.553
155	5	-0.52728	237.537	-639.19
156	5	-0.521527	237.809	-641.797
157	5	-0.515791	238.075	-644.376
158	5	-0.510074	238.335	-646.927
159	5	-0.504372	238.589	-649.448
160	5	-0.498687	238.838	-651.942
161	5	-0.493018	239.081	-654.407

162	5	-0.487364	239.319	-656.844
163	5	-0.481728	239.551	-659.252
164	5	-0.476105	239.777	-661.633
165	5	-0.470498	239.999	-663.985
166	5	-0.464904	240.215	-666.31
167	5	-0.459327	240.426	-668.607
168	5	-0.456542	240.634	-670.889
169	5	-0.450985	240.838	-673.144
170	5	-0.445443	241.036	-675.371
171	5	-0.439913	241.23	-677.571
172	5	-0.434397	241.418	-679.743
173	5	-0.428895	241.602	-681.887
174	5	-0.423405	241.782	-684.004
175	5	-0.417928	241.956	-686.094
176	5	-0.412463	242.126	-688.156
177	5	-0.40701	242.292	-690.191
178	5	-0.401571	242.453	-692.199
179	5	-0.396142	242.61	-694.18
180	5	-0.390726	242.763	-696.134
181	5	-0.385321	242.911	-698.06
182	5	-0.379927	243.056	-699.96
183	5	-0.377233	243.198	-701.846
184	5	-0.371856	243.336	-703.705
185	5	-0.36649	243.471	-705.538
186	5	-0.361133	243.601	-707.343
187	5	-0.355788	243.728	-709.122
188	5	-0.350451	243.85	-710.875
189	5	-0.345126	243.97	-712.6
190	5	-0.33981	244.085	-714.299
191	5	-0.334503	244.197	-715.972
192	5	-0.329206	244.305	-717.618
193	5	-0.323919	244.41	-719.237
194	5	-0.318639	244.512	-720.831
195	5	-0.31337	244.61	-722.398
196	5	-0.308108	244.705	-723.938
197	5	-0.302855	244.797	-725.452
198	5	-0.300232	244.887	-726.953
199	5	-0.294992	244.974	-728.428
200	5	-0.28976	245.058	-729.877
201	5	-0.284535	245.139	-731.3
202	5	-0.279319	245.217	-732.697
203	5	-0.27411	245.292	-734.067
204	5	-0.268908	245.364	-735.412
205	5	-0.263715	245.434	-736.73
206	5	-0.258527	245.501	-738.023
207	5	-0.253347	245.565	-739.29
208	5	-0.248174	245.626	-740.53
209	5	-0.243007	245.685	-741.745
210	5	-0.237847	245.742	-742.935
211	5	-0.232693	245.796	-744.098
212	5	-0.227545	245.848	-745.236
213	5	-0.224974	245.898	-746.361
214	5	-0.219834	245.947	-747.46
215	5	-0.214702	245.993	-748.533
216	5	-0.209575	246.037	-749.581
217	5	-0.204452	246.079	-750.604
218	5	-0.199336	246.118	-751.6

219	5	-0.194225	246.156	-752.571
220	5	-0.189118	246.192	-753.517
221	5	-0.184017	246.226	-754.437
222	5	-0.17892	246.258	-755.332
223	5	-0.173829	246.288	-756.201
224	5	-0.168741	246.316	-757.045
225	5	-0.163659	246.343	-757.863
226	5	-0.158579	246.368	-758.656
227	5	-0.153505	246.392	-759.423
228	5	-0.148434	246.414	-760.165
229	5	-0.1459	246.435	-760.895
230	5	-0.140835	246.455	-761.599
231	5	-0.135774	246.473	-762.278
232	5	-0.130716	246.491	-762.932
233	5	-0.125661	246.506	-763.56
234	5	-0.12061	246.521	-764.163
235	5	-0.115562	246.534	-764.741
236	5	-0.110516	246.546	-765.293
237	5	-0.105474	246.558	-765.821
238	5	-0.100433	246.568	-766.323
239	5	-0.0953969	246.577	-766.8
240	5	-0.0903606	246.585	-767.252
241	5	-0.0853288	246.592	-767.678
242	5	-0.0802981	246.599	-768.08
243	5	-0.0752698	246.604	-768.456
244	5	-0.0727562	246.61	-768.82
245	5	-0.0677301	246.614	-769.159
246	5	-0.0627062	246.618	-769.472
247	5	-0.0576847	246.622	-769.76
248	5	-0.0526632	246.624	-770.024
249	5	-0.0476439	246.627	-770.262
250	5	-0.0426257	246.628	-770.475
251	5	-0.0376076	246.63	-770.663
252	5	-0.0325917	246.631	-770.826
253	5	-0.0275759	246.632	-770.964
254	5	-0.0225612	246.632	-771.077
255	5	-0.0175476	246.632	-771.165
256	5	-0.0125328	246.633	-771.227
257	5	-0.00751925	246.633	-771.265
258	5	-0.0025068	246.633	-771.277
259	5	0.0025068	246.633	-771.265
260	5	0.00751925	246.633	-771.227
261	5	0.0125328	246.633	-771.165
262	5	0.0175476	246.633	-771.077
263	5	0.0225612	246.634	-770.964
264	5	0.0275759	246.634	-770.826
265	5	0.0325917	246.635	-770.663
266	5	0.0376076	246.637	-770.475
267	5	0.0426257	246.639	-770.262
268	5	0.0476439	246.641	-770.024
269	5	0.0526632	246.644	-769.76
270	5	0.0576847	246.647	-769.472
271	5	0.0627062	246.651	-769.159
272	5	0.0677301	246.656	-768.82
273	5	0.0727562	246.661	-768.456
274	5	0.0752698	246.667	-768.08
275	5	0.0802981	246.673	-767.678

276	5	0.0853288	246.68	-767.252
277	5	0.0903606	246.688	-766.8
278	5	0.0953969	246.698	-766.323
279	5	0.100433	246.708	-765.821
280	5	0.105474	246.719	-765.293
281	5	0.110516	246.731	-764.741
282	5	0.115562	246.744	-764.163
283	5	0.12061	246.759	-763.56
284	5	0.125661	246.775	-762.932
285	5	0.130716	246.792	-762.278
286	5	0.135774	246.81	-761.599
287	5	0.140835	246.83	-760.895
288	5	0.1459	246.851	-760.165
289	5	0.148434	246.873	-759.423
290	5	0.153505	246.897	-758.656
291	5	0.158579	246.922	-757.863
292	5	0.163659	246.949	-757.045
293	5	0.168741	246.977	-756.201
294	5	0.173829	247.008	-755.332
295	5	0.17892	247.04	-754.437
296	5	0.184017	247.073	-753.517
297	5	0.189118	247.109	-752.571
298	5	0.194225	247.147	-751.6
299	5	0.199336	247.187	-750.604
300	5	0.204452	247.228	-749.581
301	5	0.209575	247.272	-748.533
302	5	0.214702	247.318	-747.46
303	5	0.219834	247.367	-746.361
304	5	0.224974	247.417	-745.236
305	5	0.227545	247.469	-744.098
306	5	0.232693	247.523	-742.935
307	5	0.237847	247.58	-741.745
308	5	0.243007	247.639	-740.53
309	5	0.248174	247.701	-739.29
310	5	0.253347	247.765	-738.023
311	5	0.258527	247.832	-736.73
312	5	0.263715	247.901	-735.412
313	5	0.268908	247.973	-734.067
314	5	0.27411	248.049	-732.697
315	5	0.279319	248.127	-731.3
316	5	0.284535	248.208	-729.877
317	5	0.28976	248.291	-728.428
318	5	0.294992	248.379	-726.953
319	5	0.300232	248.469	-725.452
320	5	0.302855	248.56	-723.938
321	5	0.308108	248.655	-722.398
322	5	0.31337	248.754	-720.831
323	5	0.318639	248.855	-719.237
324	5	0.323919	248.96	-717.618
325	5	0.329206	249.068	-715.972
326	5	0.334503	249.18	-714.299
327	5	0.33981	249.296	-712.6
328	5	0.345126	249.415	-710.875
329	5	0.350451	249.538	-709.122
330	5	0.355788	249.664	-707.343
331	5	0.361133	249.795	-705.538
332	5	0.36649	249.929	-703.705

333	5	0.371856	250.067	-701.846
334	5	0.377233	250.21	-699.96
335	5	0.379927	250.354	-698.06
336	5	0.385321	250.502	-696.134
337	5	0.390726	250.655	-694.18
338	5	0.396142	250.812	-692.199
339	5	0.401571	250.973	-690.191
340	5	0.40701	251.139	-688.156
341	5	0.412463	251.309	-686.094
342	5	0.417928	251.484	-684.004
343	5	0.423405	251.663	-681.887
344	5	0.428895	251.847	-679.743
345	5	0.434397	252.036	-677.571
346	5	0.439913	252.229	-675.371
347	5	0.445443	252.428	-673.144
348	5	0.450985	252.631	-670.889
349	5	0.456542	252.839	-668.607
350	5	0.459327	253.05	-666.31
351	5	0.464904	253.266	-663.985
352	5	0.470498	253.488	-661.633
353	5	0.476105	253.714	-659.252
354	5	0.481728	253.947	-656.844
355	5	0.487364	254.184	-654.407
356	5	0.493018	254.427	-651.942
357	5	0.498687	254.676	-649.448
358	5	0.504372	254.93	-646.927
359	5	0.510074	255.19	-644.376
360	5	0.515791	255.456	-641.797
361	5	0.521527	255.728	-639.19
362	5	0.52728	256.006	-636.553
363	5	0.533048	256.291	-633.888
364	5	0.538836	256.581	-631.194
365	5	0.541736	256.874	-628.485
366	5	0.547551	257.174	-625.747
367	5	0.553384	257.48	-622.98
368	5	0.559237	257.793	-620.184
369	5	0.565108	258.113	-617.359
370	5	0.570999	258.439	-614.504
371	5	0.576911	258.771	-611.619
372	5	0.582841	259.111	-608.705
373	5	0.588793	259.458	-605.761
374	5	0.594766	259.812	-602.787
375	5	0.60076	260.172	-599.783
376	5	0.606775	260.541	-596.749
377	5	0.612813	260.916	-593.685
378	5	0.618872	261.299	-590.591
379	5	0.624956	261.69	-587.466
380	5	0.631062	262.088	-584.311
381	5	0.634124	262.49	-581.14
382	5	0.640266	262.9	-577.939
383	5	0.646431	263.318	-574.707
384	5	0.652622	263.744	-571.444
385	5	0.658838	264.178	-568.15
386	5	0.665079	264.62	-564.824
387	5	0.671346	265.071	-561.467
388	5	0.677639	265.53	-558.079
389	5	0.68396	265.998	-554.659

390	5	0.690309	266.474	-551.208
391	5	0.696684	266.96	-547.724
392	5	0.703089	267.454	-544.209
393	5	0.709522	267.958	-540.661
394	5	0.715986	268.47	-537.081
395	5	0.722479	268.992	-533.469
396	5	0.725736	269.519	-529.84
397	5	0.732275	270.055	-526.179
398	5	0.738846	270.601	-522.485
399	5	0.745449	271.157	-518.758
400	5	0.752084	271.722	-514.997
401	5	0.758753	272.298	-511.203
402	5	0.765456	272.884	-507.376
403	5	0.772193	273.48	-503.515
404	5	0.778966	274.087	-499.62
405	5	0.785774	274.704	-495.691
406	5	0.792618	275.333	-491.728
407	5	0.7995	275.972	-487.731
408	5	0.806422	276.622	-483.699
409	5	0.813379	277.284	-479.632
410	5	0.820379	277.957	-475.53
411	5	0.823893	278.636	-471.41
412	5	0.830953	279.326	-467.256
413	5	0.838054	280.028	-463.065
414	5	0.845198	280.743	-458.839
415	5	0.852385	281.469	-454.577
416	5	0.859618	282.208	-450.279
417	5	0.866894	282.96	-445.945
418	5.1	0.874218	283.724	-441.486
419	5.3	0.881587	284.501	-436.814
420	5.4	0.889006	285.292	-432.013
421	5.5	0.896473	286.095	-427.083
422	5.6	0.903992	286.912	-422.02
423	5.7	0.911562	287.743	-416.825
424	5.8	0.919183	288.588	-411.493
425	5.9	0.926859	289.447	-406.025
426	6	0.930718	290.314	-400.44
427	6	0.938476	291.194	-394.81
428	6.3	0.946291	292.09	-388.848
429	6.3	0.954165	293	-382.837
430	6.3	0.9621	293.926	-376.776
431	6.5	0.970094	294.867	-370.47
432	6.8	0.97815	295.824	-363.819
433	6.9	0.986272	296.796	-357.013
434	6.9	0.994457	297.785	-350.151
435	6.9	1.00271	298.791	-343.233
436	6.9	1.01104	299.813	-336.257
437	7	1.01943	300.852	-329.121
438	7	1.02789	301.909	-321.925
439	7	1.03643	302.983	-314.67
440	7.1	1.04505	304.075	-307.25
441	7.2	1.04939	305.176	-299.695
442	7.3	1.05812	306.296	-291.971
443	7.3	1.06694	307.434	-284.182
444	7.4	1.07584	308.592	-276.221
445	7.5	1.08482	309.769	-268.085
446	7.7	1.0939	310.965	-259.662

447	7.7	1.10306	312.182	-251.168
448	7.7	1.11232	313.419	-242.603
449	7.8	1.12168	314.677	-233.854
450	7.9	1.13113	315.957	-224.918
451	7.9	1.14069	317.258	-215.907
452	8.7	1.15035	318.581	-205.899
453	9	1.16012	319.927	-195.458
454	9	1.17	321.296	-184.928
455	9.1	1.18	322.689	-174.19
456	9.2	1.19012	324.105	-163.24
457	9.5	1.19522	325.533	-151.886
458	9.7	1.20553	326.987	-140.192
459	9.8	1.21596	328.465	-128.276
460	10	1.22653	329.97	-116.011
461	11	1.23724	331.5	-102.401
462	11	1.24809	333.058	-88.672
463	11	1.25908	334.643	-74.8221
464	11	1.27024	336.257	-60.8495
465	11	1.28155	337.899	-46.7524
466	11	1.29303	339.571	-32.5291
467	12	1.30469	341.273	-16.8728
468	12	1.31652	343.007	-1.07458
469	12	1.32854	344.772	14.8679
470	12	1.34075	346.569	30.957
471	12	1.35317	348.4	47.195
472	12	1.35946	350.249	63.5086
473	12	1.3722	352.131	79.975
474	12	1.38517	354.05	96.5971
475	12	1.39838	356.006	113.378
476	13	1.41183	357.999	131.731
477	13	1.42554	360.031	150.263
478	13	1.43953	362.103	168.977
479	13	1.4538	364.217	187.877
480	13.3	1.46838	366.373	207.406
481	14	1.48328	368.573	228.172
482	14	1.49852	370.819	249.151
483	14	1.5141	373.111	270.349
484	15	1.53007	375.452	293.3
485	15	1.54643	377.844	316.496
486	15	1.56322	380.287	339.945
487	15	1.57179	382.758	363.522
488	16	1.58927	385.284	388.95
489	16	1.60725	387.867	414.666
490	16	1.62576	390.51	440.678
491	16	1.64485	393.216	466.996
492	16	1.66456	395.986	493.629
493	16	1.68494	398.825	520.588
494	17	1.70604	401.736	549.59
495	17	1.72793	404.722	578.965
496	17	1.75069	407.787	608.727
497	18	1.77438	410.935	640.666
498	18	1.79912	414.172	673.05
499	19	1.82501	417.503	707.725
500	20	1.85218	420.933	744.769
501	25	1.88079	424.47	791.788
502	25	1.8957	428.064	839.181
503	26	1.92684	431.777	889.278

504	33	1.95996	435.618	953.957
505	35	1.99539	439.6	1023.8
506	67.6	2.03352	443.735	1161.26
507	69	2.07485	448.04	1304.43
508	78.7	2.12007	452.535	1471.28
509	94	2.17009	457.244	1675.26
510	110	2.22621	462.2	1920.15
511	110	2.29036	467.446	2172.09
512	160	2.36561	473.042	2550.59
513	170	2.45727	479.08	2968.32
514	180	2.57583	485.715	3431.97
515	290	2.74777	493.265	4228.82
516	330	0	493.265	4228.82

Data Set Standard Deviation = 24.5821
Numerator = 1.7883e+007
Denominator = 1.53506e+008
W Statistic = 0.116497 = 1.7883e+007 / 1.53506e+008

5% Critical value of 0.976 exceeds 0.116497
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.116497
Evidence of non-normality at 99% level of significance

Shapiro-Francia Test of Normality

Parameter: cis-1,2-Dichloroethene (-ethylene)
All Locations
Normality Test of Parameter Concentrations
Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit
Total Number of Measurements = 516

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	0.46	0	0	0
2	0.47	-2.74777	7.55021	-1.29145
3	0.49	-2.57583	14.1851	-2.55361
4	0.52	-2.45727	20.2233	-3.83139
5	0.52	-2.36561	25.8195	-5.06151
6	0.66	-2.29036	31.0652	-6.57315
7	0.71	-2.22621	36.0212	-8.15376
8	0.88	-2.17009	40.7305	-10.0634
9	0.88	-2.12007	45.2252	-11.9291
10	0.94	-2.07485	49.5302	-13.8795
11	1	-2.03352	53.6654	-15.913
12	1.1	-1.99539	57.647	-18.1079
13	1.7	-1.95996	61.4884	-21.4398
14	2.3	-1.92684	65.2012	-25.8716
15	3	-1.8957	68.7948	-31.5587
16	3.3	-1.88079	72.3322	-37.7653
17	3.6	-1.85218	75.7627	-44.4331
18	4.2	-1.82501	79.0934	-52.0981
19	5	-1.79912	82.3302	-61.0937
20	5	-1.77438	85.4786	-69.9656
21	5	-1.75069	88.5435	-78.719
22	5	-1.72793	91.5293	-87.3587
23	5	-1.70604	94.4399	-95.8889
24	5	-1.68494	97.2789	-104.314
25	5	-1.66456	100.05	-112.636
26	5	-1.64485	102.755	-120.861
27	5	-1.62576	105.398	-128.989
28	5	-1.60725	107.982	-137.026
29	5	-1.58927	110.507	-144.972
30	5	-1.57179	112.978	-152.831
31	5	-1.56322	115.422	-160.647
32	5	-1.54643	117.813	-168.379
33	5	-1.53007	120.154	-176.03
34	5	-1.5141	122.447	-183.6
35	5	-1.49852	124.692	-191.093
36	5	-1.48328	126.892	-198.509
37	5	-1.46838	129.048	-205.851
38	5	-1.4538	131.162	-213.12
39	5	-1.43953	133.234	-220.318
40	5	-1.42554	135.266	-227.445
41	5	-1.41183	137.26	-234.505
42	5	-1.39838	139.215	-241.496
43	5	-1.38517	141.134	-248.422
44	5	-1.3722	143.017	-255.283
45	5	-1.35946	144.865	-262.081
46	5	-1.35317	146.696	-268.847
47	5	-1.34075	148.494	-275.55

48	5	-1.32854	150.259	-282.193
49	5	-1.31652	151.992	-288.776
50	5	-1.30469	153.694	-295.299
51	5	-1.29303	155.366	-301.764
52	5	-1.28155	157.008	-308.172
53	5	-1.27024	158.622	-314.523
54	5	-1.25908	160.207	-320.819
55	5	-1.24809	161.765	-327.059
56	5	-1.23724	163.296	-333.245
57	5	-1.22653	164.8	-339.378
58	5	-1.21596	166.279	-345.458
59	5	-1.20553	167.732	-351.485
60	5	-1.19522	169.16	-357.461
61	5	-1.19012	170.577	-363.412
62	5	-1.18	171.969	-369.312
63	5	-1.17	173.338	-375.162
64	5	-1.16012	174.684	-380.963
65	5	-1.15035	176.007	-386.714
66	5	-1.14069	177.308	-392.418
67	5	-1.13113	178.588	-398.073
68	5	-1.12168	179.846	-403.682
69	5	-1.11232	181.083	-409.243
70	5	-1.10306	182.3	-414.759
71	5	-1.0939	183.497	-420.228
72	5	-1.08482	184.673	-425.652
73	5	-1.07584	185.831	-431.031
74	5	-1.06694	186.969	-436.366
75	5	-1.05812	188.089	-441.657
76	5	-1.04939	189.19	-446.904
77	5	-1.04505	190.282	-452.129
78	5	-1.03643	191.356	-457.311
79	5	-1.02789	192.413	-462.451
80	5	-1.01943	193.452	-467.548
81	5	-1.01104	194.474	-472.603
82	5	-1.00271	195.48	-477.616
83	5	-0.994457	196.469	-482.589
84	5	-0.986272	197.442	-487.52
85	5	-0.97815	198.398	-492.411
86	5	-0.970094	199.339	-497.261
87	5	-0.9621	200.265	-502.072
88	5	-0.954165	201.175	-506.843
89	5	-0.946291	202.071	-511.574
90	5	-0.938476	202.952	-516.266
91	5	-0.930718	203.818	-520.92
92	5	-0.926859	204.677	-525.554
93	5	-0.919183	205.522	-530.15
94	5	-0.911562	206.353	-534.708
95	5	-0.903992	207.17	-539.228
96	5	-0.896473	207.974	-543.71
97	5	-0.889006	208.764	-548.155
98	5	-0.881587	209.541	-552.563
99	5	-0.874218	210.305	-556.934
100	5	-0.866894	211.057	-561.269
101	5	-0.859618	211.796	-565.567
102	5	-0.852385	212.522	-569.829
103	5	-0.845198	213.237	-574.055
104	5	-0.838054	213.939	-578.245

105	5	-0.830953	214.63	-582.4
106	5	-0.823893	215.308	-586.519
107	5	-0.820379	215.981	-590.621
108	5	-0.813379	216.643	-594.688
109	5	-0.806422	217.293	-598.72
110	5	-0.7995	217.933	-602.718
111	5	-0.792618	218.561	-606.681
112	5	-0.785774	219.178	-610.61
113	5	-0.778966	219.785	-614.505
114	5	-0.772193	220.381	-618.366
115	5	-0.765456	220.967	-622.193
116	5	-0.758753	221.543	-625.987
117	5	-0.752084	222.109	-629.747
118	5	-0.745449	222.664	-633.474
119	5	-0.738846	223.21	-637.169
120	5	-0.732275	223.746	-640.83
121	5	-0.725736	224.273	-644.459
122	5	-0.722479	224.795	-648.071
123	5	-0.715986	225.308	-651.651
124	5	-0.709522	225.811	-655.199
125	5	-0.703089	226.305	-658.714
126	5	-0.696684	226.791	-662.197
127	5	-0.690309	227.267	-665.649
128	5	-0.68396	227.735	-669.069
129	5	-0.677639	228.194	-672.457
130	5	-0.671346	228.645	-675.814
131	5	-0.665079	229.087	-679.139
132	5	-0.658838	229.521	-682.433
133	5	-0.652622	229.947	-685.696
134	5	-0.646431	230.365	-688.929
135	5	-0.640266	230.775	-692.13
136	5	-0.634124	231.177	-695.3
137	5	-0.631062	231.576	-698.456
138	5	-0.624956	231.966	-701.581
139	5	-0.618872	232.349	-704.675
140	5	-0.612813	232.725	-707.739
141	5	-0.606775	233.093	-710.773
142	5	-0.60076	233.454	-713.777
143	5	-0.594766	233.807	-716.751
144	5	-0.588793	234.154	-719.694
145	5	-0.582841	234.494	-722.609
146	5	-0.576911	234.827	-725.493
147	5	-0.570999	235.153	-728.348
148	5	-0.565108	235.472	-731.174
149	5	-0.559237	235.785	-733.97
150	5	-0.553384	236.091	-736.737
151	5	-0.547551	236.391	-739.475
152	5	-0.541736	236.684	-742.183
153	5	-0.538836	236.975	-744.877
154	5	-0.533048	237.259	-747.543
155	5	-0.52728	237.537	-750.179
156	5	-0.521527	237.809	-752.787
157	5	-0.515791	238.075	-755.366
158	5	-0.510074	238.335	-757.916
159	5	-0.504372	238.589	-760.438
160	5	-0.498687	238.838	-762.931
161	5	-0.493018	239.081	-765.396

162	5	-0.487364	239.319	-767.833
163	5	-0.481728	239.551	-770.242
164	5	-0.476105	239.777	-772.622
165	5	-0.470498	239.999	-774.975
166	5	-0.464904	240.215	-777.299
167	5	-0.459327	240.426	-779.596
168	5	-0.456542	240.634	-781.879
169	5	-0.450985	240.838	-784.134
170	5	-0.445443	241.036	-786.361
171	5	-0.439913	241.23	-788.561
172	5	-0.434397	241.418	-790.733
173	5	-0.428895	241.602	-792.877
174	5	-0.423405	241.782	-794.994
175	5	-0.417928	241.956	-797.084
176	5	-0.412463	242.126	-799.146
177	5	-0.40701	242.292	-801.181
178	5	-0.401571	242.453	-803.189
179	5	-0.396142	242.61	-805.17
180	5	-0.390726	242.763	-807.123
181	5	-0.385321	242.911	-809.05
182	5	-0.379927	243.056	-810.949
183	5	-0.377233	243.198	-812.836
184	5	-0.371856	243.336	-814.695
185	5	-0.36649	243.471	-816.527
186	5	-0.361133	243.601	-818.333
187	5	-0.355788	243.728	-820.112
188	5	-0.350451	243.85	-821.864
189	5	-0.345126	243.97	-823.59
190	5	-0.33981	244.085	-825.289
191	5	-0.334503	244.197	-826.961
192	5	-0.329206	244.305	-828.607
193	5	-0.323919	244.41	-830.227
194	5	-0.318639	244.512	-831.82
195	5	-0.31337	244.61	-833.387
196	5	-0.308108	244.705	-834.928
197	5	-0.302855	244.797	-836.442
198	5	-0.300232	244.887	-837.943
199	5	-0.294992	244.974	-839.418
200	5	-0.28976	245.058	-840.867
201	5	-0.284535	245.139	-842.289
202	5	-0.279319	245.217	-843.686
203	5	-0.27411	245.292	-845.057
204	5	-0.268908	245.364	-846.401
205	5	-0.263715	245.434	-847.72
206	5	-0.258527	245.501	-849.012
207	5	-0.253347	245.565	-850.279
208	5	-0.248174	245.626	-851.52
209	5	-0.243007	245.685	-852.735
210	5	-0.237847	245.742	-853.924
211	5	-0.232693	245.796	-855.088
212	5	-0.227545	245.848	-856.225
213	5	-0.224974	245.898	-857.35
214	5	-0.219834	245.947	-858.449
215	5	-0.214702	245.993	-859.523
216	5	-0.209575	246.037	-860.571
217	5	-0.204452	246.079	-861.593
218	5	-0.199336	246.118	-862.59

219	5	-0.194225	246.156	-863.561
220	5	-0.189118	246.192	-864.507
221	5	-0.184017	246.226	-865.427
222	5	-0.17892	246.258	-866.321
223	5	-0.173829	246.288	-867.19
224	5	-0.168741	246.316	-868.034
225	5	-0.163659	246.343	-868.852
226	5	-0.158579	246.368	-869.645
227	5	-0.153505	246.392	-870.413
228	5	-0.148434	246.414	-871.155
229	5	-0.1459	246.435	-871.884
230	5	-0.140835	246.455	-872.589
231	5	-0.135774	246.473	-873.267
232	5	-0.130716	246.491	-873.921
233	5	-0.125661	246.506	-874.549
234	5	-0.12061	246.521	-875.152
235	5	-0.115562	246.534	-875.73
236	5	-0.110516	246.546	-876.283
237	5	-0.105474	246.558	-876.81
238	5	-0.100433	246.568	-877.312
239	5	-0.0953969	246.577	-877.789
240	5	-0.0903606	246.585	-878.241
241	5	-0.0853288	246.592	-878.668
242	5	-0.0802981	246.599	-879.069
243	5	-0.0752698	246.604	-879.446
244	5	-0.0727562	246.61	-879.809
245	5	-0.0677301	246.614	-880.148
246	5	-0.0627062	246.618	-880.462
247	5	-0.0576847	246.622	-880.75
248	5	-0.0526632	246.624	-881.013
249	5	-0.0476439	246.627	-881.252
250	5	-0.0426257	246.628	-881.465
251	5	-0.0376076	246.63	-881.653
252	5	-0.0325917	246.631	-881.816
253	5	-0.0275759	246.632	-881.954
254	5	-0.0225612	246.632	-882.066
255	5	-0.0175476	246.632	-882.154
256	5	-0.0125328	246.633	-882.217
257	5	-0.00751925	246.633	-882.254
258	5	-0.0025068	246.633	-882.267
259	5	0.0025068	246.633	-882.254
260	5	0.00751925	246.633	-882.217
261	5	0.0125328	246.633	-882.154
262	5	0.0175476	246.633	-882.066
263	5	0.0225612	246.634	-881.954
264	5	0.0275759	246.634	-881.816
265	5	0.0325917	246.635	-881.653
266	5	0.0376076	246.637	-881.465
267	5	0.0426257	246.639	-881.252
268	5	0.0476439	246.641	-881.013
269	5	0.0526632	246.644	-880.75
270	5	0.0576847	246.647	-880.462
271	5	0.0627062	246.651	-880.148
272	5	0.0677301	246.656	-879.809
273	5	0.0727562	246.661	-879.446
274	5	0.0752698	246.667	-879.069
275	5	0.0802981	246.673	-878.668

276	5	0.0853288	246.68	-878.241
277	5	0.0903606	246.688	-877.789
278	5	0.0953969	246.698	-877.312
279	5	0.100433	246.708	-876.81
280	5	0.105474	246.719	-876.283
281	5	0.110516	246.731	-875.73
282	5	0.115562	246.744	-875.152
283	5	0.12061	246.759	-874.549
284	5	0.125661	246.775	-873.921
285	5	0.130716	246.792	-873.267
286	5	0.135774	246.81	-872.589
287	5	0.140835	246.83	-871.884
288	5	0.1459	246.851	-871.155
289	5	0.148434	246.873	-870.413
290	5	0.153505	246.897	-869.645
291	5	0.158579	246.922	-868.852
292	5	0.163659	246.949	-868.034
293	5	0.168741	246.977	-867.19
294	5	0.173829	247.008	-866.321
295	5	0.17892	247.04	-865.427
296	5	0.184017	247.073	-864.507
297	5	0.189118	247.109	-863.561
298	5	0.194225	247.147	-862.59
299	5	0.199336	247.187	-861.593
300	5	0.204452	247.228	-860.571
301	5	0.209575	247.272	-859.523
302	5	0.214702	247.318	-858.449
303	5	0.219834	247.367	-857.35
304	5	0.224974	247.417	-856.225
305	5	0.227545	247.469	-855.088
306	5	0.232693	247.523	-853.924
307	5	0.237847	247.58	-852.735
308	5	0.243007	247.639	-851.52
309	5	0.248174	247.701	-850.279
310	5	0.253347	247.765	-849.012
311	5	0.258527	247.832	-847.72
312	5	0.263715	247.901	-846.401
313	5	0.268908	247.973	-845.057
314	5	0.27411	248.049	-843.686
315	5	0.279319	248.127	-842.289
316	5	0.284535	248.208	-840.867
317	5	0.28976	248.291	-839.418
318	5	0.294992	248.379	-837.943
319	5	0.300232	248.469	-836.442
320	5	0.302855	248.56	-834.928
321	5	0.308108	248.655	-833.387
322	5	0.31337	248.754	-831.82
323	5	0.318639	248.855	-830.227
324	5	0.323919	248.96	-828.607
325	5	0.329206	249.068	-826.961
326	5	0.334503	249.18	-825.289
327	5	0.33981	249.296	-823.59
328	5	0.345126	249.415	-821.864
329	5	0.350451	249.538	-820.112
330	5	0.355788	249.664	-818.333
331	5	0.361133	249.795	-816.527
332	5	0.36649	249.929	-814.695

333	5	0.371856	250.067	-812.836
334	5	0.377233	250.21	-810.949
335	5	0.379927	250.354	-809.05
336	5	0.385321	250.502	-807.123
337	5	0.390726	250.655	-805.17
338	5	0.396142	250.812	-803.189
339	5	0.401571	250.973	-801.181
340	5	0.40701	251.139	-799.146
341	5	0.412463	251.309	-797.084
342	5	0.417928	251.484	-794.994
343	5	0.423405	251.663	-792.877
344	5	0.428895	251.847	-790.733
345	5	0.434397	252.036	-788.561
346	5	0.439913	252.229	-786.361
347	5	0.445443	252.428	-784.134
348	5	0.450985	252.631	-781.879
349	5	0.456542	252.839	-779.596
350	5	0.459327	253.05	-777.299
351	5	0.464904	253.266	-774.975
352	5	0.470498	253.488	-772.622
353	5	0.476105	253.714	-770.242
354	5	0.481728	253.947	-767.833
355	5	0.487364	254.184	-765.396
356	5	0.493018	254.427	-762.931
357	5	0.498687	254.676	-760.438
358	5	0.504372	254.93	-757.916
359	5	0.510074	255.19	-755.366
360	5	0.515791	255.456	-752.787
361	5	0.521527	255.728	-750.179
362	5	0.52728	256.006	-747.543
363	5	0.533048	256.291	-744.877
364	5	0.538836	256.581	-742.183
365	5	0.541736	256.874	-739.475
366	5	0.547551	257.174	-736.737
367	5	0.553384	257.48	-733.97
368	5	0.559237	257.793	-731.174
369	5	0.565108	258.113	-728.348
370	5	0.570999	258.439	-725.493
371	5	0.576911	258.771	-722.609
372	5	0.582841	259.111	-719.694
373	5	0.588793	259.458	-716.751
374	5	0.594766	259.812	-713.777
375	5	0.60076	260.172	-710.773
376	5	0.606775	260.541	-707.739
377	5	0.612813	260.916	-704.675
378	5	0.618872	261.299	-701.581
379	5	0.624956	261.69	-698.456
380	5	0.631062	262.088	-695.3
381	5	0.634124	262.49	-692.13
382	5	0.640266	262.9	-688.929
383	5	0.646431	263.318	-685.696
384	5	0.652622	263.744	-682.433
385	5	0.658838	264.178	-679.139
386	5	0.665079	264.62	-675.814
387	5	0.671346	265.071	-672.457
388	5	0.677639	265.53	-669.069
389	5	0.68396	265.998	-665.649

390	5	0.690309	266.474	-662.197
391	5	0.696684	266.96	-658.714
392	5	0.703089	267.454	-655.199
393	5	0.709522	267.958	-651.651
394	5	0.715986	268.47	-648.071
395	5	0.722479	268.992	-644.459
396	5	0.725736	269.519	-640.83
397	5	0.732275	270.055	-637.169
398	5	0.738846	270.601	-633.474
399	5	0.745449	271.157	-629.747
400	5	0.752084	271.722	-625.987
401	5	0.758753	272.298	-622.193
402	5	0.765456	272.884	-618.366
403	5	0.772193	273.48	-614.505
404	5	0.778966	274.087	-610.61
405	5	0.785774	274.704	-606.681
406	5	0.792618	275.333	-602.718
407	5	0.7995	275.972	-598.72
408	5	0.806422	276.622	-594.688
409	5	0.813379	277.284	-590.621
410	5	0.820379	277.957	-586.519
411	5	0.823893	278.636	-582.4
412	5	0.830953	279.326	-578.245
413	5	0.838054	280.028	-574.055
414	5	0.845198	280.743	-569.829
415	5	0.852385	281.469	-565.567
416	5	0.859618	282.208	-561.269
417	5	0.866894	282.96	-556.934
418	5	0.874218	283.724	-552.563
419	5	0.881587	284.501	-548.155
420	5	0.889006	285.292	-543.71
421	5	0.896473	286.095	-539.228
422	5	0.903992	286.912	-534.708
423	5	0.911562	287.743	-530.15
424	5	0.919183	288.588	-525.554
425	5	0.926859	289.447	-520.92
426	5	0.930718	290.314	-516.266
427	5	0.938476	291.194	-511.574
428	5	0.946291	292.09	-506.843
429	5	0.954165	293	-502.072
430	5	0.9621	293.926	-497.261
431	5	0.970094	294.867	-492.411
432	5	0.97815	295.824	-487.52
433	5	0.986272	296.796	-482.589
434	5	0.994457	297.785	-477.616
435	5	1.00271	298.791	-472.603
436	5	1.01104	299.813	-467.548
437	5	1.01943	300.852	-462.451
438	5	1.02789	301.909	-457.311
439	5	1.03643	302.983	-452.129
440	5	1.04505	304.075	-446.904
441	5	1.04939	305.176	-441.657
442	5	1.05812	306.296	-436.366
443	5	1.06694	307.434	-431.031
444	5	1.07584	308.592	-425.652
445	5	1.08482	309.769	-420.228
446	5	1.0939	310.965	-414.759

447	5	1.10306	312.182	-409.243
448	5	1.11232	313.419	-403.682
449	5	1.12168	314.677	-398.073
450	5	1.13113	315.957	-392.418
451	5	1.14069	317.258	-386.714
452	5	1.15035	318.581	-380.963
453	5	1.16012	319.927	-375.162
454	5	1.17	321.296	-369.312
455	5	1.18	322.689	-363.412
456	5	1.19012	324.105	-357.461
457	5	1.19522	325.533	-351.485
458	5	1.20553	326.987	-345.458
459	5	1.21596	328.465	-339.378
460	5	1.22653	329.97	-333.245
461	5	1.23724	331.5	-327.059
462	5	1.24809	333.058	-320.819
463	5	1.25908	334.643	-314.523
464	5	1.27024	336.257	-308.172
465	5	1.28155	337.899	-301.764
466	5	1.29303	339.571	-295.299
467	5	1.30469	341.273	-288.776
468	5	1.31652	343.007	-282.193
469	5	1.32854	344.772	-275.55
470	5	1.34075	346.569	-268.847
471	5	1.35317	348.4	-262.081
472	5	1.35946	350.249	-255.283
473	5	1.3722	352.131	-248.422
474	5	1.38517	354.05	-241.496
475	5	1.39838	356.006	-234.505
476	5	1.41183	357.999	-227.445
477	5	1.42554	360.031	-220.318
478	5	1.43953	362.103	-213.12
479	5	1.4538	364.217	-205.851
480	5	1.46838	366.373	-198.509
481	5	1.48328	368.573	-191.093
482	5	1.49852	370.819	-183.6
483	5	1.5141	373.111	-176.03
484	5	1.53007	375.452	-168.379
485	5	1.54643	377.844	-160.647
486	5	1.56322	380.287	-152.831
487	5.2	1.57179	382.758	-144.658
488	6	1.58927	385.284	-135.122
489	6.1	1.60725	387.867	-125.318
490	6.8	1.62576	390.51	-114.263
491	7	1.64485	393.216	-102.749
492	7.3	1.66456	395.986	-90.5974
493	7.9	1.68494	398.825	-77.2864
494	7.9	1.70604	401.736	-63.8087
495	8	1.72793	404.722	-49.9852
496	9.7	1.75069	407.787	-33.0036
497	11	1.77438	410.935	-13.4854
498	11	1.79912	414.172	6.30489
499	11.5	1.82501	417.503	27.2925
500	12	1.85218	420.933	49.5186
501	20	1.88079	424.47	87.1344
502	20	1.8957	428.064	125.048
503	21	1.92684	431.777	165.512

504	23	1.95996	435.618	210.591
505	28.7	1.99539	439.6	267.859
506	28.7	2.03352	443.735	326.221
507	34.4	2.07485	448.04	397.596
508	42	2.12007	452.535	486.639
509	44	2.17009	457.244	582.123
510	48	2.22621	462.2	688.98
511	63	2.29036	467.446	833.273
512	78	2.36561	473.042	1017.79
513	79	2.45727	479.08	1211.92
514	110	2.57583	485.715	1495.26
515	160	2.74777	493.265	1934.9
516	200	0	493.265	1934.9

Data Set Standard Deviation = 13.5023
Numerator = 3.74384e+006
Denominator = 4.63133e+007
W Statistic = 0.0808371 = 3.74384e+006 / 4.63133e+007

5% Critical value of 0.976 exceeds 0.0808371
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.0808371
Evidence of non-normality at 99% level of significance

Shapiro-Francia Test of Normality

Parameter: Tetrachloroethene (-ethylene)
All Locations
Normality Test of Parameter Concentrations
Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit
Total Number of Measurements = 516

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	0.4	0	0	0
2	0.51	-2.74777	7.55021	-1.40136
3	0.56	-2.57583	14.1851	-2.84383
4	0.57	-2.45727	20.2233	-4.24447
5	0.57	-2.36561	25.8195	-5.59287
6	0.63	-2.29036	31.0652	-7.0358
7	0.69	-2.22621	36.0212	-8.57188
8	0.83	-2.17009	40.7305	-10.3731
9	0.99	-2.12007	45.2252	-12.4719
10	1	-2.07485	49.5302	-14.5468
11	1.8	-2.03352	53.6654	-18.2071
12	2.8	-1.99539	57.647	-23.7942
13	2.9	-1.95996	61.4884	-29.4781
14	3.2	-1.92684	65.2012	-35.644
15	3.5	-1.8957	68.7948	-42.2789
16	3.6	-1.88079	72.3322	-49.0498
17	3.6	-1.85218	75.7627	-55.7176
18	4.2	-1.82501	79.0934	-63.3826
19	5	-1.79912	82.3302	-72.3782
20	5	-1.77438	85.4786	-81.2501
21	5	-1.75069	88.5435	-90.0035
22	5	-1.72793	91.5293	-98.6432
23	5	-1.70604	94.4399	-107.173
24	5	-1.68494	97.2789	-115.598
25	5	-1.66456	100.05	-123.921
26	5	-1.64485	102.755	-132.145
27	5	-1.62576	105.398	-140.274
28	5	-1.60725	107.982	-148.31
29	5	-1.58927	110.507	-156.257
30	5	-1.57179	112.978	-164.116
31	5	-1.56322	115.422	-171.932
32	5	-1.54643	117.813	-179.664
33	5	-1.53007	120.154	-187.314
34	5	-1.5141	122.447	-194.885
35	5	-1.49852	124.692	-202.377
36	5	-1.48328	126.892	-209.794
37	5	-1.46838	129.048	-217.136
38	5	-1.4538	131.162	-224.405
39	5	-1.43953	133.234	-231.602
40	5	-1.42554	135.266	-238.73
41	5	-1.41183	137.26	-245.789
42	5	-1.39838	139.215	-252.781
43	5	-1.38517	141.134	-259.707
44	5	-1.3722	143.017	-266.568
45	5	-1.35946	144.865	-273.365
46	5	-1.35317	146.696	-280.131
47	5	-1.34075	148.494	-286.835

48	5	-1.32854	150.259	-293.478
49	5	-1.31652	151.992	-300.06
50	5	-1.30469	153.694	-306.584
51	5	-1.29303	155.366	-313.049
52	5	-1.28155	157.008	-319.456
53	5	-1.27024	158.622	-325.808
54	5	-1.25908	160.207	-332.103
55	5	-1.24809	161.765	-338.343
56	5	-1.23724	163.296	-344.53
57	5	-1.22653	164.8	-350.662
58	5	-1.21596	166.279	-356.742
59	5	-1.20553	167.732	-362.77
60	5	-1.19522	169.16	-368.746
61	5	-1.19012	170.577	-374.696
62	5	-1.18	171.969	-380.596
63	5	-1.17	173.338	-386.446
64	5	-1.16012	174.684	-392.247
65	5	-1.15035	176.007	-397.999
66	5	-1.14069	177.308	-403.702
67	5	-1.13113	178.588	-409.358
68	5	-1.12168	179.846	-414.966
69	5	-1.11232	181.083	-420.528
70	5	-1.10306	182.3	-426.043
71	5	-1.0939	183.497	-431.513
72	5	-1.08482	184.673	-436.937
73	5	-1.07584	185.831	-442.316
74	5	-1.06694	186.969	-447.651
75	5	-1.05812	188.089	-452.941
76	5	-1.04939	189.19	-458.188
77	5	-1.04505	190.282	-463.413
78	5	-1.03643	191.356	-468.596
79	5	-1.02789	192.413	-473.735
80	5	-1.01943	193.452	-478.832
81	5	-1.01104	194.474	-483.887
82	5	-1.00271	195.48	-488.901
83	5	-0.994457	196.469	-493.873
84	5	-0.986272	197.442	-498.805
85	5	-0.97815	198.398	-503.695
86	5	-0.970094	199.339	-508.546
87	5	-0.9621	200.265	-513.356
88	5	-0.954165	201.175	-518.127
89	5	-0.946291	202.071	-522.859
90	5	-0.938476	202.952	-527.551
91	5	-0.930718	203.818	-532.205
92	5	-0.926859	204.677	-536.839
93	5	-0.919183	205.522	-541.435
94	5	-0.911562	206.353	-545.993
95	5	-0.903992	207.17	-550.513
96	5	-0.896473	207.974	-554.995
97	5	-0.889006	208.764	-559.44
98	5	-0.881587	209.541	-563.848
99	5	-0.874218	210.305	-568.219
100	5	-0.866894	211.057	-572.553
101	5	-0.859618	211.796	-576.852
102	5	-0.852385	212.522	-581.113
103	5	-0.845198	213.237	-585.339
104	5	-0.838054	213.939	-589.53

105	5	-0.830953	214.63	-593.684
106	5	-0.823893	215.308	-597.804
107	5	-0.820379	215.981	-601.906
108	5	-0.813379	216.643	-605.973
109	5	-0.806422	217.293	-610.005
110	5	-0.7995	217.933	-614.002
111	5	-0.792618	218.561	-617.965
112	5	-0.785774	219.178	-621.894
113	5	-0.778966	219.785	-625.789
114	5	-0.772193	220.381	-629.65
115	5	-0.765456	220.967	-633.477
116	5	-0.758753	221.543	-637.271
117	5	-0.752084	222.109	-641.032
118	5	-0.745449	222.664	-644.759
119	5	-0.738846	223.21	-648.453
120	5	-0.732275	223.746	-652.114
121	5	-0.725736	224.273	-655.743
122	5	-0.722479	224.795	-659.356
123	5	-0.715986	225.308	-662.935
124	5	-0.709522	225.811	-666.483
125	5	-0.703089	226.305	-669.998
126	5	-0.696684	226.791	-673.482
127	5	-0.690309	227.267	-676.933
128	5	-0.68396	227.735	-680.353
129	5	-0.677639	228.194	-683.741
130	5	-0.671346	228.645	-687.098
131	5	-0.665079	229.087	-690.424
132	5	-0.658838	229.521	-693.718
133	5	-0.652622	229.947	-696.981
134	5	-0.646431	230.365	-700.213
135	5	-0.640266	230.775	-703.414
136	5	-0.634124	231.177	-706.585
137	5	-0.631062	231.576	-709.74
138	5	-0.624956	231.966	-712.865
139	5	-0.618872	232.349	-715.959
140	5	-0.612813	232.725	-719.024
141	5	-0.606775	233.093	-722.057
142	5	-0.60076	233.454	-725.061
143	5	-0.594766	233.807	-728.035
144	5	-0.588793	234.154	-730.979
145	5	-0.582841	234.494	-733.893
146	5	-0.576911	234.827	-736.778
147	5	-0.570999	235.153	-739.633
148	5	-0.565108	235.472	-742.458
149	5	-0.559237	235.785	-745.254
150	5	-0.553384	236.091	-748.021
151	5	-0.547551	236.391	-750.759
152	5	-0.541736	236.684	-753.468
153	5	-0.538836	236.975	-756.162
154	5	-0.533048	237.259	-758.827
155	5	-0.52728	237.537	-761.464
156	5	-0.521527	237.809	-764.071
157	5	-0.515791	238.075	-766.65
158	5	-0.510074	238.335	-769.201
159	5	-0.504372	238.589	-771.722
160	5	-0.498687	238.838	-774.216
161	5	-0.493018	239.081	-776.681

162	5	-0.487364	239.319	-779.118
163	5	-0.481728	239.551	-781.526
164	5	-0.476105	239.777	-783.907
165	5	-0.470498	239.999	-786.259
166	5	-0.464904	240.215	-788.584
167	5	-0.459327	240.426	-790.881
168	5	-0.456542	240.634	-793.163
169	5	-0.450985	240.838	-795.418
170	5	-0.445443	241.036	-797.645
171	5	-0.439913	241.23	-799.845
172	5	-0.434397	241.418	-802.017
173	5	-0.428895	241.602	-804.161
174	5	-0.423405	241.782	-806.279
175	5	-0.417928	241.956	-808.368
176	5	-0.412463	242.126	-810.43
177	5	-0.40701	242.292	-812.466
178	5	-0.401571	242.453	-814.473
179	5	-0.396142	242.61	-816.454
180	5	-0.390726	242.763	-818.408
181	5	-0.385321	242.911	-820.334
182	5	-0.379927	243.056	-822.234
183	5	-0.377233	243.198	-824.12
184	5	-0.371856	243.336	-825.979
185	5	-0.36649	243.471	-827.812
186	5	-0.361133	243.601	-829.618
187	5	-0.355788	243.728	-831.396
188	5	-0.350451	243.85	-833.149
189	5	-0.345126	243.97	-834.874
190	5	-0.33981	244.085	-836.573
191	5	-0.334503	244.197	-838.246
192	5	-0.329206	244.305	-839.892
193	5	-0.323919	244.41	-841.512
194	5	-0.318639	244.512	-843.105
195	5	-0.31337	244.61	-844.672
196	5	-0.308108	244.705	-846.212
197	5	-0.302855	244.797	-847.726
198	5	-0.300232	244.887	-849.228
199	5	-0.294992	244.974	-850.702
200	5	-0.28976	245.058	-852.151
201	5	-0.284535	245.139	-853.574
202	5	-0.279319	245.217	-854.971
203	5	-0.27411	245.292	-856.341
204	5	-0.268908	245.364	-857.686
205	5	-0.263715	245.434	-859.004
206	5	-0.258527	245.501	-860.297
207	5	-0.253347	245.565	-861.564
208	5	-0.248174	245.626	-862.804
209	5	-0.243007	245.685	-864.02
210	5	-0.237847	245.742	-865.209
211	5	-0.232693	245.796	-866.372
212	5	-0.227545	245.848	-867.51
213	5	-0.224974	245.898	-868.635
214	5	-0.219834	245.947	-869.734
215	5	-0.214702	245.993	-870.807
216	5	-0.209575	246.037	-871.855
217	5	-0.204452	246.079	-872.878
218	5	-0.199336	246.118	-873.874

219	5	-0.194225	246.156	-874.845
220	5	-0.189118	246.192	-875.791
221	5	-0.184017	246.226	-876.711
222	5	-0.17892	246.258	-877.606
223	5	-0.173829	246.288	-878.475
224	5	-0.168741	246.316	-879.319
225	5	-0.163659	246.343	-880.137
226	5	-0.158579	246.368	-880.93
227	5	-0.153505	246.392	-881.697
228	5	-0.148434	246.414	-882.439
229	5	-0.1459	246.435	-883.169
230	5	-0.140835	246.455	-883.873
231	5	-0.135774	246.473	-884.552
232	5	-0.130716	246.491	-885.206
233	5	-0.125661	246.506	-885.834
234	5	-0.12061	246.521	-886.437
235	5	-0.115562	246.534	-887.015
236	5	-0.110516	246.546	-887.567
237	5	-0.105474	246.558	-888.095
238	5	-0.100433	246.568	-888.597
239	5	-0.0953969	246.577	-889.074
240	5	-0.0903606	246.585	-889.526
241	5	-0.0853288	246.592	-889.952
242	5	-0.0802981	246.599	-890.354
243	5	-0.0752698	246.604	-890.73
244	5	-0.0727562	246.61	-891.094
245	5	-0.0677301	246.614	-891.433
246	5	-0.0627062	246.618	-891.746
247	5	-0.0576847	246.622	-892.035
248	5	-0.0526632	246.624	-892.298
249	5	-0.0476439	246.627	-892.536
250	5	-0.0426257	246.628	-892.749
251	5	-0.0376076	246.63	-892.937
252	5	-0.0325917	246.631	-893.1
253	5	-0.0275759	246.632	-893.238
254	5	-0.0225612	246.632	-893.351
255	5	-0.0175476	246.632	-893.439
256	5	-0.0125328	246.633	-893.501
257	5	-0.00751925	246.633	-893.539
258	5	-0.0025068	246.633	-893.551
259	5	0.0025068	246.633	-893.539
260	5	0.00751925	246.633	-893.501
261	5	0.0125328	246.633	-893.439
262	5	0.0175476	246.633	-893.351
263	5	0.0225612	246.634	-893.238
264	5	0.0275759	246.634	-893.1
265	5	0.0325917	246.635	-892.937
266	5	0.0376076	246.637	-892.749
267	5	0.0426257	246.639	-892.536
268	5	0.0476439	246.641	-892.298
269	5	0.0526632	246.644	-892.035
270	5	0.0576847	246.647	-891.746
271	5	0.0627062	246.651	-891.433
272	5	0.0677301	246.656	-891.094
273	5	0.0727562	246.661	-890.73
274	5	0.0752698	246.667	-890.354
275	5	0.0802981	246.673	-889.952

276	5	0.0853288	246.68	-889.526
277	5	0.0903606	246.688	-889.074
278	5	0.0953969	246.698	-888.597
279	5	0.100433	246.708	-888.095
280	5	0.105474	246.719	-887.567
281	5	0.110516	246.731	-887.015
282	5	0.115562	246.744	-886.437
283	5	0.12061	246.759	-885.834
284	5	0.125661	246.775	-885.206
285	5	0.130716	246.792	-884.552
286	5	0.135774	246.81	-883.873
287	5	0.140835	246.83	-883.169
288	5	0.1459	246.851	-882.439
289	5	0.148434	246.873	-881.697
290	5	0.153505	246.897	-880.93
291	5	0.158579	246.922	-880.137
292	5	0.163659	246.949	-879.319
293	5	0.168741	246.977	-878.475
294	5	0.173829	247.008	-877.606
295	5	0.17892	247.04	-876.711
296	5	0.184017	247.073	-875.791
297	5	0.189118	247.109	-874.845
298	5	0.194225	247.147	-873.874
299	5	0.199336	247.187	-872.878
300	5	0.204452	247.228	-871.855
301	5	0.209575	247.272	-870.807
302	5	0.214702	247.318	-869.734
303	5	0.219834	247.367	-868.635
304	5	0.224974	247.417	-867.51
305	5	0.227545	247.469	-866.372
306	5	0.232693	247.523	-865.209
307	5	0.237847	247.58	-864.02
308	5	0.243007	247.639	-862.804
309	5	0.248174	247.701	-861.564
310	5	0.253347	247.765	-860.297
311	5	0.258527	247.832	-859.004
312	5	0.263715	247.901	-857.686
313	5	0.268908	247.973	-856.341
314	5	0.27411	248.049	-854.971
315	5	0.279319	248.127	-853.574
316	5	0.284535	248.208	-852.151
317	5	0.28976	248.291	-850.702
318	5	0.294992	248.379	-849.228
319	5	0.300232	248.469	-847.726
320	5	0.302855	248.56	-846.212
321	5	0.308108	248.655	-844.672
322	5	0.31337	248.754	-843.105
323	5	0.318639	248.855	-841.512
324	5	0.323919	248.96	-839.892
325	5	0.329206	249.068	-838.246
326	5	0.334503	249.18	-836.573
327	5	0.33981	249.296	-834.874
328	5	0.345126	249.415	-833.149
329	5	0.350451	249.538	-831.396
330	5	0.355788	249.664	-829.618
331	5	0.361133	249.795	-827.812
332	5	0.36649	249.929	-825.979

333	5	0.371856	250.067	-824.12
334	5	0.377233	250.21	-822.234
335	5	0.379927	250.354	-820.334
336	5	0.385321	250.502	-818.408
337	5	0.390726	250.655	-816.454
338	5	0.396142	250.812	-814.473
339	5	0.401571	250.973	-812.466
340	5	0.40701	251.139	-810.43
341	5	0.412463	251.309	-808.368
342	5	0.417928	251.484	-806.279
343	5	0.423405	251.663	-804.161
344	5	0.428895	251.847	-802.017
345	5	0.434397	252.036	-799.845
346	5	0.439913	252.229	-797.645
347	5	0.445443	252.428	-795.418
348	5	0.450985	252.631	-793.163
349	5	0.456542	252.839	-790.881
350	5	0.459327	253.05	-788.584
351	5	0.464904	253.266	-786.259
352	5	0.470498	253.488	-783.907
353	5	0.476105	253.714	-781.526
354	5	0.481728	253.947	-779.118
355	5	0.487364	254.184	-776.681
356	5	0.493018	254.427	-774.216
357	5	0.498687	254.676	-771.722
358	5	0.504372	254.93	-769.201
359	5	0.510074	255.19	-766.65
360	5	0.515791	255.456	-764.071
361	5	0.521527	255.728	-761.464
362	5	0.52728	256.006	-758.827
363	5	0.533048	256.291	-756.162
364	5	0.538836	256.581	-753.468
365	5	0.541736	256.874	-750.759
366	5	0.547551	257.174	-748.021
367	5	0.553384	257.48	-745.254
368	5	0.559237	257.793	-742.458
369	5	0.565108	258.113	-739.633
370	5	0.570999	258.439	-736.778
371	5	0.576911	258.771	-733.893
372	5	0.582841	259.111	-730.979
373	5	0.588793	259.458	-728.035
374	5	0.594766	259.812	-725.061
375	5	0.60076	260.172	-722.057
376	5	0.606775	260.541	-719.024
377	5	0.612813	260.916	-715.959
378	5	0.618872	261.299	-712.865
379	5	0.624956	261.69	-709.74
380	5	0.631062	262.088	-706.585
381	5	0.634124	262.49	-703.414
382	5	0.640266	262.9	-700.213
383	5	0.646431	263.318	-696.981
384	5	0.652622	263.744	-693.718
385	5	0.658838	264.178	-690.424
386	5	0.665079	264.62	-687.098
387	5	0.671346	265.071	-683.741
388	5	0.677639	265.53	-680.353
389	5	0.68396	265.998	-676.933

390	5	0.690309	266.474	-673.482
391	5	0.696684	266.96	-669.998
392	5	0.703089	267.454	-666.483
393	5	0.709522	267.958	-662.935
394	5	0.715986	268.47	-659.356
395	5	0.722479	268.992	-655.743
396	5	0.725736	269.519	-652.114
397	5	0.732275	270.055	-648.453
398	5	0.738846	270.601	-644.759
399	5	0.745449	271.157	-641.032
400	5	0.752084	271.722	-637.271
401	5	0.758753	272.298	-633.477
402	5	0.765456	272.884	-629.65
403	5	0.772193	273.48	-625.789
404	5	0.778966	274.087	-621.894
405	5	0.785774	274.704	-617.965
406	5	0.792618	275.333	-614.002
407	5	0.7995	275.972	-610.005
408	5	0.806422	276.622	-605.973
409	5	0.813379	277.284	-601.906
410	5	0.820379	277.957	-597.804
411	5	0.823893	278.636	-593.684
412	5	0.830953	279.326	-589.53
413	5	0.838054	280.028	-585.339
414	5	0.845198	280.743	-581.113
415	5	0.852385	281.469	-576.852
416	5	0.859618	282.208	-572.553
417	5	0.866894	282.96	-568.219
418	5	0.874218	283.724	-563.848
419	5	0.881587	284.501	-559.44
420	5	0.889006	285.292	-554.995
421	5	0.896473	286.095	-550.513
422	5	0.903992	286.912	-545.993
423	5	0.911562	287.743	-541.435
424	5	0.919183	288.588	-536.839
425	5	0.926859	289.447	-532.205
426	5	0.930718	290.314	-527.551
427	5	0.938476	291.194	-522.859
428	5	0.946291	292.09	-518.127
429	5	0.954165	293	-513.356
430	5	0.9621	293.926	-508.546
431	5	0.970094	294.867	-503.695
432	5	0.97815	295.824	-498.805
433	5	0.986272	296.796	-493.873
434	5	0.994457	297.785	-488.901
435	5	1.00271	298.791	-483.887
436	5	1.01104	299.813	-478.832
437	5	1.01943	300.852	-473.735
438	5	1.02789	301.909	-468.596
439	5	1.03643	302.983	-463.413
440	5	1.04505	304.075	-458.188
441	5	1.04939	305.176	-452.941
442	5	1.05812	306.296	-447.651
443	5	1.06694	307.434	-442.316
444	5	1.07584	308.592	-436.937
445	5	1.08482	309.769	-431.513
446	5	1.0939	310.965	-426.043

447	5	1.10306	312.182	-420.528
448	5	1.11232	313.419	-414.966
449	5	1.12168	314.677	-409.358
450	5	1.13113	315.957	-403.702
451	5	1.14069	317.258	-397.999
452	5	1.15035	318.581	-392.247
453	5	1.16012	319.927	-386.446
454	5	1.17	321.296	-380.596
455	5	1.18	322.689	-374.696
456	5	1.19012	324.105	-368.746
457	5	1.19522	325.533	-362.77
458	5	1.20553	326.987	-356.742
459	5	1.21596	328.465	-350.662
460	5	1.22653	329.97	-344.53
461	5	1.23724	331.5	-338.343
462	5	1.24809	333.058	-332.103
463	5	1.25908	334.643	-325.808
464	5	1.27024	336.257	-319.456
465	5	1.28155	337.899	-313.049
466	5	1.29303	339.571	-306.584
467	5	1.30469	341.273	-300.06
468	5	1.31652	343.007	-293.478
469	5	1.32854	344.772	-286.835
470	5	1.34075	346.569	-280.131
471	5	1.35317	348.4	-273.365
472	5	1.35946	350.249	-266.568
473	5	1.3722	352.131	-259.707
474	5	1.38517	354.05	-252.781
475	5	1.39838	356.006	-245.789
476	5	1.41183	357.999	-238.73
477	5	1.42554	360.031	-231.602
478	5	1.43953	362.103	-224.405
479	5	1.4538	364.217	-217.136
480	5	1.46838	366.373	-209.794
481	5	1.48328	368.573	-202.377
482	5	1.49852	370.819	-194.885
483	5	1.5141	373.111	-187.314
484	5	1.53007	375.452	-179.664
485	5	1.54643	377.844	-171.932
486	5	1.56322	380.287	-164.116
487	5	1.57179	382.758	-156.257
488	5	1.58927	385.284	-148.31
489	5	1.60725	387.867	-140.274
490	5	1.62576	390.51	-132.145
491	5	1.64485	393.216	-123.921
492	5	1.66456	395.986	-115.598
493	5	1.68494	398.825	-107.173
494	5	1.70604	401.736	-98.6432
495	5.1	1.72793	404.722	-89.8307
496	5.2	1.75069	407.787	-80.7272
497	5.2	1.77438	410.935	-71.5004
498	5.2	1.79912	414.172	-62.145
499	6.7	1.82501	417.503	-49.9175
500	7	1.85218	420.933	-36.9522
501	8.7	1.88079	424.47	-20.5894
502	9	1.8957	428.064	-3.52808
503	9.6	1.92684	431.777	14.9696

504	12	1.95996	435.618	38.4891
505	12	1.99539	439.6	62.4338
506	12	2.03352	443.735	86.8361
507	15	2.07485	448.04	117.959
508	20	2.12007	452.535	160.36
509	52	2.17009	457.244	273.205
510	66	2.22621	462.2	420.135
511	77	2.29036	467.446	596.492
512	87	2.36561	473.042	802.301
513	95.4	2.45727	479.08	1036.72
514	150	2.57583	485.715	1423.1
515	160	2.74777	493.265	1862.74
516	190	0	493.265	1862.74

Data Set Standard Deviation = 14.2554
Numerator = 3.46981e+006
Denominator = 5.16234e+007
W Statistic = 0.0672138 = 3.46981e+006 / 5.16234e+007

5% Critical value of 0.976 exceeds 0.0672138
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.0672138
Evidence of non-normality at 99% level of significance

Shapiro-Francia Test of Normality
Parameter: Trichloroethene (-ethylene)
All Locations
Normality Test of Parameter Concentrations
Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit
Total Number of Measurements = 516

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	0.48	0	0	0
2	0.48	-2.74777	7.55021	-1.31893
3	0.53	-2.57583	14.1851	-2.68412
4	0.9	-2.45727	20.2233	-4.89567
5	0.91	-2.36561	25.8195	-7.04837
6	1.9	-2.29036	31.0652	-11.4001
7	3	-2.22621	36.0212	-18.0787
8	3.1	-2.17009	40.7305	-24.806
9	3.3	-2.12007	45.2252	-31.8022
10	3.6	-2.07485	49.5302	-39.2716
11	3.6	-2.03352	53.6654	-46.5923
12	4.1	-1.99539	57.647	-54.7734
13	4.7	-1.95996	61.4884	-63.9853
14	5	-1.92684	65.2012	-73.6194
15	5	-1.8957	68.7948	-83.0979
16	5	-1.88079	72.3322	-92.5019
17	5	-1.85218	75.7627	-101.763
18	5	-1.82501	79.0934	-110.888
19	5	-1.79912	82.3302	-119.883
20	5	-1.77438	85.4786	-128.755
21	5	-1.75069	88.5435	-137.509
22	5	-1.72793	91.5293	-146.148
23	5	-1.70604	94.4399	-154.679
24	5	-1.68494	97.2789	-163.103
25	5	-1.66456	100.05	-171.426
26	5	-1.64485	102.755	-179.65
27	5	-1.62576	105.398	-187.779
28	5	-1.60725	107.982	-195.815
29	5	-1.58927	110.507	-203.762
30	5	-1.57179	112.978	-211.621
31	5	-1.56322	115.422	-219.437
32	5	-1.54643	117.813	-227.169
33	5	-1.53007	120.154	-234.819
34	5	-1.5141	122.447	-242.39
35	5	-1.49852	124.692	-249.882
36	5	-1.48328	126.892	-257.299
37	5	-1.46838	129.048	-264.641
38	5	-1.4538	131.162	-271.91
39	5	-1.43953	133.234	-279.107
40	5	-1.42554	135.266	-286.235
41	5	-1.41183	137.26	-293.294
42	5	-1.39838	139.215	-300.286
43	5	-1.38517	141.134	-307.212
44	5	-1.3722	143.017	-314.073
45	5	-1.35946	144.865	-320.87
46	5	-1.35317	146.696	-327.636
47	5	-1.34075	148.494	-334.34

48	5	-1.32854	150.259	-340.983
49	5	-1.31652	151.992	-347.565
50	5	-1.30469	153.694	-354.089
51	5	-1.29303	155.366	-360.554
52	5	-1.28155	157.008	-366.962
53	5	-1.27024	158.622	-373.313
54	5	-1.25908	160.207	-379.608
55	5	-1.24809	161.765	-385.849
56	5	-1.23724	163.296	-392.035
57	5	-1.22653	164.8	-398.167
58	5	-1.21596	166.279	-404.247
59	5	-1.20553	167.732	-410.275
60	5	-1.19522	169.16	-416.251
61	5	-1.19012	170.577	-422.202
62	5	-1.18	171.969	-428.102
63	5	-1.17	173.338	-433.952
64	5	-1.16012	174.684	-439.752
65	5	-1.15035	176.007	-445.504
66	5	-1.14069	177.308	-451.207
67	5	-1.13113	178.588	-456.863
68	5	-1.12168	179.846	-462.471
69	5	-1.11232	181.083	-468.033
70	5	-1.10306	182.3	-473.548
71	5	-1.0939	183.497	-479.018
72	5	-1.08482	184.673	-484.442
73	5	-1.07584	185.831	-489.821
74	5	-1.06694	186.969	-495.156
75	5	-1.05812	188.089	-500.446
76	5	-1.04939	189.19	-505.693
77	5	-1.04505	190.282	-510.919
78	5	-1.03643	191.356	-516.101
79	5	-1.02789	192.413	-521.24
80	5	-1.01943	193.452	-526.337
81	5	-1.01104	194.474	-531.393
82	5	-1.00271	195.48	-536.406
83	5	-0.994457	196.469	-541.378
84	5	-0.986272	197.442	-546.31
85	5	-0.97815	198.398	-551.201
86	5	-0.970094	199.339	-556.051
87	5	-0.9621	200.265	-560.862
88	5	-0.954165	201.175	-565.632
89	5	-0.946291	202.071	-570.364
90	5	-0.938476	202.952	-575.056
91	5	-0.930718	203.818	-579.71
92	5	-0.926859	204.677	-584.344
93	5	-0.919183	205.522	-588.94
94	5	-0.911562	206.353	-593.498
95	5	-0.903992	207.17	-598.018
96	5	-0.896473	207.974	-602.5
97	5	-0.889006	208.764	-606.945
98	5	-0.881587	209.541	-611.353
99	5	-0.874218	210.305	-615.724
100	5	-0.866894	211.057	-620.059
101	5	-0.859618	211.796	-624.357
102	5	-0.852385	212.522	-628.619
103	5	-0.845198	213.237	-632.845
104	5	-0.838054	213.939	-637.035

105	5	-0.830953	214.63	-641.19
106	5	-0.823893	215.308	-645.309
107	5	-0.820379	215.981	-649.411
108	5	-0.813379	216.643	-653.478
109	5	-0.806422	217.293	-657.51
110	5	-0.7995	217.933	-661.508
111	5	-0.792618	218.561	-665.471
112	5	-0.785774	219.178	-669.399
113	5	-0.778966	219.785	-673.294
114	5	-0.772193	220.381	-677.155
115	5	-0.765456	220.967	-680.983
116	5	-0.758753	221.543	-684.776
117	5	-0.752084	222.109	-688.537
118	5	-0.745449	222.664	-692.264
119	5	-0.738846	223.21	-695.958
120	5	-0.732275	223.746	-699.62
121	5	-0.725736	224.273	-703.248
122	5	-0.722479	224.795	-706.861
123	5	-0.715986	225.308	-710.441
124	5	-0.709522	225.811	-713.988
125	5	-0.703089	226.305	-717.504
126	5	-0.696684	226.791	-720.987
127	5	-0.690309	227.267	-724.439
128	5	-0.68396	227.735	-727.858
129	5	-0.677639	228.194	-731.247
130	5	-0.671346	228.645	-734.603
131	5	-0.665079	229.087	-737.929
132	5	-0.658838	229.521	-741.223
133	5	-0.652622	229.947	-744.486
134	5	-0.646431	230.365	-747.718
135	5	-0.640266	230.775	-750.92
136	5	-0.634124	231.177	-754.09
137	5	-0.631062	231.576	-757.245
138	5	-0.624956	231.966	-760.37
139	5	-0.618872	232.349	-763.465
140	5	-0.612813	232.725	-766.529
141	5	-0.606775	233.093	-769.563
142	5	-0.60076	233.454	-772.566
143	5	-0.594766	233.807	-775.54
144	5	-0.588793	234.154	-778.484
145	5	-0.582841	234.494	-781.398
146	5	-0.576911	234.827	-784.283
147	5	-0.570999	235.153	-787.138
148	5	-0.565108	235.472	-789.963
149	5	-0.559237	235.785	-792.76
150	5	-0.553384	236.091	-795.527
151	5	-0.547551	236.391	-798.264
152	5	-0.541736	236.684	-800.973
153	5	-0.538836	236.975	-803.667
154	5	-0.533048	237.259	-806.332
155	5	-0.52728	237.537	-808.969
156	5	-0.521527	237.809	-811.576
157	5	-0.515791	238.075	-814.155
158	5	-0.510074	238.335	-816.706
159	5	-0.504372	238.589	-819.228
160	5	-0.498687	238.838	-821.721
161	5	-0.493018	239.081	-824.186

162	5	-0.487364	239.319	-826.623
163	5	-0.481728	239.551	-829.032
164	5	-0.476105	239.777	-831.412
165	5	-0.470498	239.999	-833.765
166	5	-0.464904	240.215	-836.089
167	5	-0.459327	240.426	-838.386
168	5	-0.456542	240.634	-840.668
169	5	-0.450985	240.838	-842.923
170	5	-0.445443	241.036	-845.151
171	5	-0.439913	241.23	-847.35
172	5	-0.434397	241.418	-849.522
173	5	-0.428895	241.602	-851.667
174	5	-0.423405	241.782	-853.784
175	5	-0.417928	241.956	-855.873
176	5	-0.412463	242.126	-857.936
177	5	-0.40701	242.292	-859.971
178	5	-0.401571	242.453	-861.979
179	5	-0.396142	242.61	-863.959
180	5	-0.390726	242.763	-865.913
181	5	-0.385321	242.911	-867.839
182	5	-0.379927	243.056	-869.739
183	5	-0.377233	243.198	-871.625
184	5	-0.371856	243.336	-873.485
185	5	-0.36649	243.471	-875.317
186	5	-0.361133	243.601	-877.123
187	5	-0.355788	243.728	-878.902
188	5	-0.350451	243.85	-880.654
189	5	-0.345126	243.97	-882.379
190	5	-0.33981	244.085	-884.079
191	5	-0.334503	244.197	-885.751
192	5	-0.329206	244.305	-887.397
193	5	-0.323919	244.41	-889.017
194	5	-0.318639	244.512	-890.61
195	5	-0.31337	244.61	-892.177
196	5	-0.308108	244.705	-893.717
197	5	-0.302855	244.797	-895.232
198	5	-0.300232	244.887	-896.733
199	5	-0.294992	244.974	-898.208
200	5	-0.28976	245.058	-899.656
201	5	-0.284535	245.139	-901.079
202	5	-0.279319	245.217	-902.476
203	5	-0.27411	245.292	-903.846
204	5	-0.268908	245.364	-905.191
205	5	-0.263715	245.434	-906.509
206	5	-0.258527	245.501	-907.802
207	5	-0.253347	245.565	-909.069
208	5	-0.248174	245.626	-910.31
209	5	-0.243007	245.685	-911.525
210	5	-0.237847	245.742	-912.714
211	5	-0.232693	245.796	-913.877
212	5	-0.227545	245.848	-915.015
213	5	-0.224974	245.898	-916.14
214	5	-0.219834	245.947	-917.239
215	5	-0.214702	245.993	-918.313
216	5	-0.209575	246.037	-919.361
217	5	-0.204452	246.079	-920.383
218	5	-0.199336	246.118	-921.379

219	5	-0.194225	246.156	-922.351
220	5	-0.189118	246.192	-923.296
221	5	-0.184017	246.226	-924.216
222	5	-0.17892	246.258	-925.111
223	5	-0.173829	246.288	-925.98
224	5	-0.168741	246.316	-926.824
225	5	-0.163659	246.343	-927.642
226	5	-0.158579	246.368	-928.435
227	5	-0.153505	246.392	-929.202
228	5	-0.148434	246.414	-929.945
229	5	-0.1459	246.435	-930.674
230	5	-0.140835	246.455	-931.378
231	5	-0.135774	246.473	-932.057
232	5	-0.130716	246.491	-932.711
233	5	-0.125661	246.506	-933.339
234	5	-0.12061	246.521	-933.942
235	5	-0.115562	246.534	-934.52
236	5	-0.110516	246.546	-935.072
237	5	-0.105474	246.558	-935.6
238	5	-0.100433	246.568	-936.102
239	5	-0.0953969	246.577	-936.579
240	5	-0.0903606	246.585	-937.031
241	5	-0.0853288	246.592	-937.457
242	5	-0.0802981	246.599	-937.859
243	5	-0.0752698	246.604	-938.235
244	5	-0.0727562	246.61	-938.599
245	5	-0.0677301	246.614	-938.938
246	5	-0.0627062	246.618	-939.251
247	5	-0.0576847	246.622	-939.54
248	5	-0.0526632	246.624	-939.803
249	5	-0.0476439	246.627	-940.041
250	5	-0.0426257	246.628	-940.254
251	5	-0.0376076	246.63	-940.442
252	5	-0.0325917	246.631	-940.605
253	5	-0.0275759	246.632	-940.743
254	5	-0.0225612	246.632	-940.856
255	5	-0.0175476	246.632	-940.944
256	5	-0.0125328	246.633	-941.006
257	5	-0.00751925	246.633	-941.044
258	5	-0.0025068	246.633	-941.057
259	5	0.0025068	246.633	-941.044
260	5	0.00751925	246.633	-941.006
261	5	0.0125328	246.633	-940.944
262	5	0.0175476	246.633	-940.856
263	5	0.0225612	246.634	-940.743
264	5	0.0275759	246.634	-940.605
265	5	0.0325917	246.635	-940.442
266	5	0.0376076	246.637	-940.254
267	5	0.0426257	246.639	-940.041
268	5	0.0476439	246.641	-939.803
269	5	0.0526632	246.644	-939.54
270	5	0.0576847	246.647	-939.251
271	5	0.0627062	246.651	-938.938
272	5	0.0677301	246.656	-938.599
273	5	0.0727562	246.661	-938.235
274	5	0.0752698	246.667	-937.859
275	5	0.0802981	246.673	-937.457

276	5	0.0853288	246.68	-937.031
277	5	0.0903606	246.688	-936.579
278	5	0.0953969	246.698	-936.102
279	5	0.100433	246.708	-935.6
280	5	0.105474	246.719	-935.072
281	5	0.110516	246.731	-934.52
282	5	0.115562	246.744	-933.942
283	5	0.12061	246.759	-933.339
284	5	0.125661	246.775	-932.711
285	5	0.130716	246.792	-932.057
286	5	0.135774	246.81	-931.378
287	5	0.140835	246.83	-930.674
288	5	0.1459	246.851	-929.945
289	5	0.148434	246.873	-929.202
290	5	0.153505	246.897	-928.435
291	5	0.158579	246.922	-927.642
292	5	0.163659	246.949	-926.824
293	5	0.168741	246.977	-925.98
294	5	0.173829	247.008	-925.111
295	5	0.17892	247.04	-924.216
296	5	0.184017	247.073	-923.296
297	5	0.189118	247.109	-922.351
298	5	0.194225	247.147	-921.379
299	5	0.199336	247.187	-920.383
300	5	0.204452	247.228	-919.361
301	5	0.209575	247.272	-918.313
302	5	0.214702	247.318	-917.239
303	5	0.219834	247.367	-916.14
304	5	0.224974	247.417	-915.015
305	5	0.227545	247.469	-913.877
306	5	0.232693	247.523	-912.714
307	5	0.237847	247.58	-911.525
308	5	0.243007	247.639	-910.31
309	5	0.248174	247.701	-909.069
310	5	0.253347	247.765	-907.802
311	5	0.258527	247.832	-906.509
312	5	0.263715	247.901	-905.191
313	5	0.268908	247.973	-903.846
314	5	0.27411	248.049	-902.476
315	5	0.279319	248.127	-901.079
316	5	0.284535	248.208	-899.656
317	5	0.28976	248.291	-898.208
318	5	0.294992	248.379	-896.733
319	5	0.300232	248.469	-895.232
320	5	0.302855	248.56	-893.717
321	5	0.308108	248.655	-892.177
322	5	0.31337	248.754	-890.61
323	5	0.318639	248.855	-889.017
324	5	0.323919	248.96	-887.397
325	5	0.329206	249.068	-885.751
326	5	0.334503	249.18	-884.079
327	5	0.33981	249.296	-882.379
328	5	0.345126	249.415	-880.654
329	5	0.350451	249.538	-878.902
330	5	0.355788	249.664	-877.123
331	5	0.361133	249.795	-875.317
332	5	0.36649	249.929	-873.485

333	5	0.371856	250.067	-871.625
334	5	0.377233	250.21	-869.739
335	5	0.379927	250.354	-867.839
336	5	0.385321	250.502	-865.913
337	5	0.390726	250.655	-863.959
338	5	0.396142	250.812	-861.979
339	5	0.401571	250.973	-859.971
340	5	0.40701	251.139	-857.936
341	5	0.412463	251.309	-855.873
342	5	0.417928	251.484	-853.784
343	5	0.423405	251.663	-851.667
344	5	0.428895	251.847	-849.522
345	5	0.434397	252.036	-847.35
346	5	0.439913	252.229	-845.151
347	5	0.445443	252.428	-842.923
348	5	0.450985	252.631	-840.668
349	5	0.456542	252.839	-838.386
350	5	0.459327	253.05	-836.089
351	5	0.464904	253.266	-833.765
352	5	0.470498	253.488	-831.412
353	5	0.476105	253.714	-829.032
354	5	0.481728	253.947	-826.623
355	5	0.487364	254.184	-824.186
356	5	0.493018	254.427	-821.721
357	5	0.498687	254.676	-819.228
358	5	0.504372	254.93	-816.706
359	5	0.510074	255.19	-814.155
360	5	0.515791	255.456	-811.576
361	5	0.521527	255.728	-808.969
362	5	0.52728	256.006	-806.332
363	5	0.533048	256.291	-803.667
364	5	0.538836	256.581	-800.973
365	5	0.541736	256.874	-798.264
366	5	0.547551	257.174	-795.527
367	5	0.553384	257.48	-792.76
368	5	0.559237	257.793	-789.963
369	5	0.565108	258.113	-787.138
370	5	0.570999	258.439	-784.283
371	5	0.576911	258.771	-781.398
372	5	0.582841	259.111	-778.484
373	5	0.588793	259.458	-775.54
374	5	0.594766	259.812	-772.566
375	5	0.60076	260.172	-769.563
376	5	0.606775	260.541	-766.529
377	5	0.612813	260.916	-763.465
378	5	0.618872	261.299	-760.37
379	5	0.624956	261.69	-757.245
380	5	0.631062	262.088	-754.09
381	5	0.634124	262.49	-750.92
382	5	0.640266	262.9	-747.718
383	5	0.646431	263.318	-744.486
384	5	0.652622	263.744	-741.223
385	5	0.658838	264.178	-737.929
386	5	0.665079	264.62	-734.603
387	5	0.671346	265.071	-731.247
388	5	0.677639	265.53	-727.858
389	5	0.68396	265.998	-724.439

390	5	0.690309	266.474	-720.987
391	5	0.696684	266.96	-717.504
392	5	0.703089	267.454	-713.988
393	5	0.709522	267.958	-710.441
394	5	0.715986	268.47	-706.861
395	5	0.722479	268.992	-703.248
396	5	0.725736	269.519	-699.62
397	5	0.732275	270.055	-695.958
398	5	0.738846	270.601	-692.264
399	5	0.745449	271.157	-688.537
400	5	0.752084	271.722	-684.776
401	5	0.758753	272.298	-680.983
402	5	0.765456	272.884	-677.155
403	5	0.772193	273.48	-673.294
404	5	0.778966	274.087	-669.399
405	5	0.785774	274.704	-665.471
406	5	0.792618	275.333	-661.508
407	5	0.7995	275.972	-657.51
408	5	0.806422	276.622	-653.478
409	5	0.813379	277.284	-649.411
410	5	0.820379	277.957	-645.309
411	5	0.823893	278.636	-641.19
412	5	0.830953	279.326	-637.035
413	5	0.838054	280.028	-632.845
414	5	0.845198	280.743	-628.619
415	5	0.852385	281.469	-624.357
416	5	0.859618	282.208	-620.059
417	5	0.866894	282.96	-615.724
418	5	0.874218	283.724	-611.353
419	5	0.881587	284.501	-606.945
420	5	0.889006	285.292	-602.5
421	5	0.896473	286.095	-598.018
422	5	0.903992	286.912	-593.498
423	5	0.911562	287.743	-588.94
424	5	0.919183	288.588	-584.344
425	5	0.926859	289.447	-579.71
426	5	0.930718	290.314	-575.056
427	5	0.938476	291.194	-570.364
428	5	0.946291	292.09	-565.632
429	5	0.954165	293	-560.862
430	5	0.9621	293.926	-556.051
431	5	0.970094	294.867	-551.201
432	5	0.97815	295.824	-546.31
433	5	0.986272	296.796	-541.378
434	5	0.994457	297.785	-536.406
435	5	1.00271	298.791	-531.393
436	5	1.01104	299.813	-526.337
437	5	1.01943	300.852	-521.24
438	5	1.02789	301.909	-516.101
439	5	1.03643	302.983	-510.919
440	5	1.04505	304.075	-505.693
441	5	1.04939	305.176	-500.446
442	5	1.05812	306.296	-495.156
443	5	1.06694	307.434	-489.821
444	5	1.07584	308.592	-484.442
445	5	1.08482	309.769	-479.018
446	5	1.0939	310.965	-473.548

447	5	1.10306	312.182	-468.033
448	5	1.11232	313.419	-462.471
449	5	1.12168	314.677	-456.863
450	5	1.13113	315.957	-451.207
451	5	1.14069	317.258	-445.504
452	5	1.15035	318.581	-439.752
453	5	1.16012	319.927	-433.952
454	5	1.17	321.296	-428.102
455	5	1.18	322.689	-422.202
456	5	1.19012	324.105	-416.251
457	5	1.19522	325.533	-410.275
458	5	1.20553	326.987	-404.247
459	5	1.21596	328.465	-398.167
460	5	1.22653	329.97	-392.035
461	5	1.23724	331.5	-385.849
462	5	1.24809	333.058	-379.608
463	5	1.25908	334.643	-373.313
464	5	1.27024	336.257	-366.962
465	5	1.28155	337.899	-360.554
466	5	1.29303	339.571	-354.089
467	5	1.30469	341.273	-347.565
468	5	1.31652	343.007	-340.983
469	5	1.32854	344.772	-334.34
470	5	1.34075	346.569	-327.636
471	5	1.35317	348.4	-320.87
472	5	1.35946	350.249	-314.073
473	5	1.3722	352.131	-307.212
474	5	1.38517	354.05	-300.286
475	5	1.39838	356.006	-293.294
476	5	1.41183	357.999	-286.235
477	5	1.42554	360.031	-279.107
478	5	1.43953	362.103	-271.91
479	5	1.4538	364.217	-264.641
480	5	1.46838	366.373	-257.299
481	5	1.48328	368.573	-249.882
482	5	1.49852	370.819	-242.39
483	5	1.5141	373.111	-234.819
484	5	1.53007	375.452	-227.169
485	5	1.54643	377.844	-219.437
486	5	1.56322	380.287	-211.621
487	5	1.57179	382.758	-203.762
488	5	1.58927	385.284	-195.815
489	5	1.60725	387.867	-187.779
490	5	1.62576	390.51	-179.65
491	5	1.64485	393.216	-171.426
492	5	1.66456	395.986	-163.103
493	5	1.68494	398.825	-154.679
494	5	1.70604	401.736	-146.148
495	5	1.72793	404.722	-137.509
496	5	1.75069	407.787	-128.755
497	5	1.77438	410.935	-119.883
498	5	1.79912	414.172	-110.888
499	5	1.82501	417.503	-101.763
500	5	1.85218	420.933	-92.5019
501	5	1.88079	424.47	-83.0979
502	5	1.8957	428.064	-73.6194
503	5	1.92684	431.777	-63.9853

504	5	1.95996	435.618	-54.1855
505	5.5	1.99539	439.6	-43.2108
506	5.5	2.03352	443.735	-32.0264
507	10	2.07485	448.04	-11.2779
508	20	2.12007	452.535	31.1234
509	56.2	2.17009	457.244	153.083
510	63	2.22621	462.2	293.334
511	73	2.29036	467.446	460.53
512	82	2.36561	473.042	654.51
513	90	2.45727	479.08	875.665
514	93	2.57583	485.715	1115.22
515	100	2.74777	493.265	1389.99
516	180	0	493.265	1389.99

Data Set Standard Deviation = 11.7102
Numerator = 1.93208e+006
Denominator = 3.48349e+007
W Statistic = 0.055464 = 1.93208e+006 / 3.48349e+007

5% Critical value of 0.976 exceeds 0.055464
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.055464
Evidence of non-normality at 99% level of significance

Shapiro-Francia Test of Normality

Parameter: Trichlorofluoromethane

All Locations

Normality Test of Parameter Concentrations

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 516

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	1.2	0	0	0
2	2.3	-2.74777	7.55021	-6.31986
3	2.5	-2.57583	14.1851	-12.7594
4	2.7	-2.45727	20.2233	-19.3941
5	3.9	-2.36561	25.8195	-28.62
6	4.1	-2.29036	31.0652	-38.0105
7	4.2	-2.22621	36.0212	-47.3605
8	5	-2.17009	40.7305	-58.211
9	5	-2.12007	45.2252	-68.8113
10	5	-2.07485	49.5302	-79.1856
11	5	-2.03352	53.6654	-89.3532
12	5	-1.99539	57.647	-99.3301
13	5	-1.95996	61.4884	-109.13
14	5	-1.92684	65.2012	-118.764
15	5	-1.8957	68.7948	-128.243
16	5	-1.88079	72.3322	-137.647
17	5	-1.85218	75.7627	-146.907
18	5	-1.82501	79.0934	-156.032
19	5	-1.79912	82.3302	-165.028
20	5	-1.77438	85.4786	-173.9
21	5	-1.75069	88.5435	-182.653
22	5	-1.72793	91.5293	-191.293
23	5	-1.70604	94.4399	-199.823
24	5	-1.68494	97.2789	-208.248
25	5	-1.66456	100.05	-216.571
26	5	-1.64485	102.755	-224.795
27	5	-1.62576	105.398	-232.924
28	5	-1.60725	107.982	-240.96
29	5	-1.58927	110.507	-248.906
30	5	-1.57179	112.978	-256.765
31	5	-1.56322	115.422	-264.581
32	5	-1.54643	117.813	-272.314
33	5	-1.53007	120.154	-279.964
34	5	-1.5141	122.447	-287.535
35	5	-1.49852	124.692	-295.027
36	5	-1.48328	126.892	-302.443
37	5	-1.46838	129.048	-309.785
38	5	-1.4538	131.162	-317.054
39	5	-1.43953	133.234	-324.252
40	5	-1.42554	135.266	-331.38
41	5	-1.41183	137.26	-338.439
42	5	-1.39838	139.215	-345.431
43	5	-1.38517	141.134	-352.357
44	5	-1.3722	143.017	-359.218
45	5	-1.35946	144.865	-366.015
46	5	-1.35317	146.696	-372.781
47	5	-1.34075	148.494	-379.485

48	5	-1.32854	150.259	-386.127
49	5	-1.31652	151.992	-392.71
50	5	-1.30469	153.694	-399.233
51	5	-1.29303	155.366	-405.699
52	5	-1.28155	157.008	-412.106
53	5	-1.27024	158.622	-418.458
54	5	-1.25908	160.207	-424.753
55	5	-1.24809	161.765	-430.993
56	5	-1.23724	163.296	-437.18
57	5	-1.22653	164.8	-443.312
58	5	-1.21596	166.279	-449.392
59	5	-1.20553	167.732	-455.42
60	5	-1.19522	169.16	-461.396
61	5	-1.19012	170.577	-467.346
62	5	-1.18	171.969	-473.246
63	5	-1.17	173.338	-479.096
64	5	-1.16012	174.684	-484.897
65	5	-1.15035	176.007	-490.649
66	5	-1.14069	177.308	-496.352
67	5	-1.13113	178.588	-502.008
68	5	-1.12168	179.846	-507.616
69	5	-1.11232	181.083	-513.178
70	5	-1.10306	182.3	-518.693
71	5	-1.0939	183.497	-524.163
72	5	-1.08482	184.673	-529.587
73	5	-1.07584	185.831	-534.966
74	5	-1.06694	186.969	-540.301
75	5	-1.05812	188.089	-545.591
76	5	-1.04939	189.19	-550.838
77	5	-1.04505	190.282	-556.063
78	5	-1.03643	191.356	-561.246
79	5	-1.02789	192.413	-566.385
80	5	-1.01943	193.452	-571.482
81	5	-1.01104	194.474	-576.537
82	5	-1.00271	195.48	-581.551
83	5	-0.994457	196.469	-586.523
84	5	-0.986272	197.442	-591.454
85	5	-0.97815	198.398	-596.345
86	5	-0.970094	199.339	-601.196
87	5	-0.9621	200.265	-606.006
88	5	-0.954165	201.175	-610.777
89	5	-0.946291	202.071	-615.508
90	5	-0.938476	202.952	-620.201
91	5	-0.930718	203.818	-624.854
92	5	-0.926859	204.677	-629.489
93	5	-0.919183	205.522	-634.085
94	5	-0.911562	206.353	-638.642
95	5	-0.903992	207.17	-643.162
96	5	-0.896473	207.974	-647.645
97	5	-0.889006	208.764	-652.09
98	5	-0.881587	209.541	-656.498
99	5	-0.874218	210.305	-660.869
100	5	-0.866894	211.057	-665.203
101	5	-0.859618	211.796	-669.501
102	5	-0.852385	212.522	-673.763
103	5	-0.845198	213.237	-677.989
104	5	-0.838054	213.939	-682.18

105	5	-0.830953	214.63	-686.334
106	5	-0.823893	215.308	-690.454
107	5	-0.820379	215.981	-694.556
108	5	-0.813379	216.643	-698.623
109	5	-0.806422	217.293	-702.655
110	5	-0.7995	217.933	-706.652
111	5	-0.792618	218.561	-710.615
112	5	-0.785774	219.178	-714.544
113	5	-0.778966	219.785	-718.439
114	5	-0.772193	220.381	-722.3
115	5	-0.765456	220.967	-726.127
116	5	-0.758753	221.543	-729.921
117	5	-0.752084	222.109	-733.681
118	5	-0.745449	222.664	-737.409
119	5	-0.738846	223.21	-741.103
120	5	-0.732275	223.746	-744.764
121	5	-0.725736	224.273	-748.393
122	5	-0.722479	224.795	-752.005
123	5	-0.715986	225.308	-755.585
124	5	-0.709522	225.811	-759.133
125	5	-0.703089	226.305	-762.648
126	5	-0.696684	226.791	-766.132
127	5	-0.690309	227.267	-769.583
128	5	-0.68396	227.735	-773.003
129	5	-0.677639	228.194	-776.391
130	5	-0.671346	228.645	-779.748
131	5	-0.665079	229.087	-783.073
132	5	-0.658838	229.521	-786.368
133	5	-0.652622	229.947	-789.631
134	5	-0.646431	230.365	-792.863
135	5	-0.640266	230.775	-796.064
136	5	-0.634124	231.177	-799.235
137	5	-0.631062	231.576	-802.39
138	5	-0.624956	231.966	-805.515
139	5	-0.618872	232.349	-808.609
140	5	-0.612813	232.725	-811.673
141	5	-0.606775	233.093	-814.707
142	5	-0.60076	233.454	-817.711
143	5	-0.594766	233.807	-820.685
144	5	-0.588793	234.154	-823.629
145	5	-0.582841	234.494	-826.543
146	5	-0.576911	234.827	-829.428
147	5	-0.570999	235.153	-832.283
148	5	-0.565108	235.472	-835.108
149	5	-0.559237	235.785	-837.904
150	5	-0.553384	236.091	-840.671
151	5	-0.547551	236.391	-843.409
152	5	-0.541736	236.684	-846.118
153	5	-0.538836	236.975	-848.812
154	5	-0.533048	237.259	-851.477
155	5	-0.52728	237.537	-854.113
156	5	-0.521527	237.809	-856.721
157	5	-0.515791	238.075	-859.3
158	5	-0.510074	238.335	-861.85
159	5	-0.504372	238.589	-864.372
160	5	-0.498687	238.838	-866.866
161	5	-0.493018	239.081	-869.331

162	5	-0.487364	239.319	-871.768
163	5	-0.481728	239.551	-874.176
164	5	-0.476105	239.777	-876.557
165	5	-0.470498	239.999	-878.909
166	5	-0.464904	240.215	-881.234
167	5	-0.459327	240.426	-883.53
168	5	-0.456542	240.634	-885.813
169	5	-0.450985	240.838	-888.068
170	5	-0.445443	241.036	-890.295
171	5	-0.439913	241.23	-892.495
172	5	-0.434397	241.418	-894.667
173	5	-0.428895	241.602	-896.811
174	5	-0.423405	241.782	-898.928
175	5	-0.417928	241.956	-901.018
176	5	-0.412463	242.126	-903.08
177	5	-0.40701	242.292	-905.115
178	5	-0.401571	242.453	-907.123
179	5	-0.396142	242.61	-909.104
180	5	-0.390726	242.763	-911.058
181	5	-0.385321	242.911	-912.984
182	5	-0.379927	243.056	-914.884
183	5	-0.377233	243.198	-916.77
184	5	-0.371856	243.336	-918.629
185	5	-0.36649	243.471	-920.462
186	5	-0.361133	243.601	-922.267
187	5	-0.355788	243.728	-924.046
188	5	-0.350451	243.85	-925.799
189	5	-0.345126	243.97	-927.524
190	5	-0.33981	244.085	-929.223
191	5	-0.334503	244.197	-930.896
192	5	-0.329206	244.305	-932.542
193	5	-0.323919	244.41	-934.161
194	5	-0.318639	244.512	-935.755
195	5	-0.31337	244.61	-937.321
196	5	-0.308108	244.705	-938.862
197	5	-0.302855	244.797	-940.376
198	5	-0.300232	244.887	-941.877
199	5	-0.294992	244.974	-943.352
200	5	-0.28976	245.058	-944.801
201	5	-0.284535	245.139	-946.224
202	5	-0.279319	245.217	-947.62
203	5	-0.27411	245.292	-948.991
204	5	-0.268908	245.364	-950.336
205	5	-0.263715	245.434	-951.654
206	5	-0.258527	245.501	-952.947
207	5	-0.253347	245.565	-954.213
208	5	-0.248174	245.626	-955.454
209	5	-0.243007	245.685	-956.669
210	5	-0.237847	245.742	-957.859
211	5	-0.232693	245.796	-959.022
212	5	-0.227545	245.848	-960.16
213	5	-0.224974	245.898	-961.285
214	5	-0.219834	245.947	-962.384
215	5	-0.214702	245.993	-963.457
216	5	-0.209575	246.037	-964.505
217	5	-0.204452	246.079	-965.527
218	5	-0.199336	246.118	-966.524

219	5	-0.194225	246.156	-967.495
220	5	-0.189118	246.192	-968.441
221	5	-0.184017	246.226	-969.361
222	5	-0.17892	246.258	-970.256
223	5	-0.173829	246.288	-971.125
224	5	-0.168741	246.316	-971.968
225	5	-0.163659	246.343	-972.787
226	5	-0.158579	246.368	-973.58
227	5	-0.153505	246.392	-974.347
228	5	-0.148434	246.414	-975.089
229	5	-0.1459	246.435	-975.819
230	5	-0.140835	246.455	-976.523
231	5	-0.135774	246.473	-977.202
232	5	-0.130716	246.491	-977.855
233	5	-0.125661	246.506	-978.484
234	5	-0.12061	246.521	-979.087
235	5	-0.115562	246.534	-979.665
236	5	-0.110516	246.546	-980.217
237	5	-0.105474	246.558	-980.745
238	5	-0.100433	246.568	-981.247
239	5	-0.0953969	246.577	-981.724
240	5	-0.0903606	246.585	-982.175
241	5	-0.0853288	246.592	-982.602
242	5	-0.0802981	246.599	-983.004
243	5	-0.0752698	246.604	-983.38
244	5	-0.0727562	246.61	-983.744
245	5	-0.0677301	246.614	-984.082
246	5	-0.0627062	246.618	-984.396
247	5	-0.0576847	246.622	-984.684
248	5	-0.0526632	246.624	-984.948
249	5	-0.0476439	246.627	-985.186
250	5	-0.0426257	246.628	-985.399
251	5	-0.0376076	246.63	-985.587
252	5	-0.0325917	246.631	-985.75
253	5	-0.0275759	246.632	-985.888
254	5	-0.0225612	246.632	-986.001
255	5	-0.0175476	246.632	-986.088
256	5	-0.0125328	246.633	-986.151
257	5	-0.00751925	246.633	-986.189
258	5	-0.0025068	246.633	-986.201
259	5	0.0025068	246.633	-986.189
260	5	0.00751925	246.633	-986.151
261	5	0.0125328	246.633	-986.088
262	5	0.0175476	246.633	-986.001
263	5	0.0225612	246.634	-985.888
264	5	0.0275759	246.634	-985.75
265	5	0.0325917	246.635	-985.587
266	5	0.0376076	246.637	-985.399
267	5	0.0426257	246.639	-985.186
268	5	0.0476439	246.641	-984.948
269	5	0.0526632	246.644	-984.684
270	5	0.0576847	246.647	-984.396
271	5	0.0627062	246.651	-984.082
272	5	0.0677301	246.656	-983.744
273	5	0.0727562	246.661	-983.38
274	5	0.0752698	246.667	-983.004
275	5	0.0802981	246.673	-982.602

276	5	0.0853288	246.68	-982.175
277	5	0.0903606	246.688	-981.724
278	5	0.0953969	246.698	-981.247
279	5	0.100433	246.708	-980.745
280	5	0.105474	246.719	-980.217
281	5	0.110516	246.731	-979.665
282	5	0.115562	246.744	-979.087
283	5	0.12061	246.759	-978.484
284	5	0.125661	246.775	-977.855
285	5	0.130716	246.792	-977.202
286	5	0.135774	246.81	-976.523
287	5	0.140835	246.83	-975.819
288	5	0.1459	246.851	-975.089
289	5	0.148434	246.873	-974.347
290	5	0.153505	246.897	-973.58
291	5	0.158579	246.922	-972.787
292	5	0.163659	246.949	-971.968
293	5	0.168741	246.977	-971.125
294	5	0.173829	247.008	-970.256
295	5	0.17892	247.04	-969.361
296	5	0.184017	247.073	-968.441
297	5	0.189118	247.109	-967.495
298	5	0.194225	247.147	-966.524
299	5	0.199336	247.187	-965.527
300	5	0.204452	247.228	-964.505
301	5	0.209575	247.272	-963.457
302	5	0.214702	247.318	-962.384
303	5	0.219834	247.367	-961.285
304	5	0.224974	247.417	-960.16
305	5	0.227545	247.469	-959.022
306	5	0.232693	247.523	-957.859
307	5	0.237847	247.58	-956.669
308	5	0.243007	247.639	-955.454
309	5	0.248174	247.701	-954.213
310	5	0.253347	247.765	-952.947
311	5	0.258527	247.832	-951.654
312	5	0.263715	247.901	-950.336
313	5	0.268908	247.973	-948.991
314	5	0.27411	248.049	-947.62
315	5	0.279319	248.127	-946.224
316	5	0.284535	248.208	-944.801
317	5	0.28976	248.291	-943.352
318	5	0.294992	248.379	-941.877
319	5	0.300232	248.469	-940.376
320	5	0.302855	248.56	-938.862
321	5	0.308108	248.655	-937.321
322	5	0.31337	248.754	-935.755
323	5	0.318639	248.855	-934.161
324	5	0.323919	248.96	-932.542
325	5	0.329206	249.068	-930.896
326	5	0.334503	249.18	-929.223
327	5	0.33981	249.296	-927.524
328	5	0.345126	249.415	-925.799
329	5	0.350451	249.538	-924.046
330	5	0.355788	249.664	-922.267
331	5	0.361133	249.795	-920.462
332	5	0.36649	249.929	-918.629

333	5	0.371856	250.067	-916.77
334	5	0.377233	250.21	-914.884
335	5	0.379927	250.354	-912.984
336	5	0.385321	250.502	-911.058
337	5	0.390726	250.655	-909.104
338	5	0.396142	250.812	-907.123
339	5	0.401571	250.973	-905.115
340	5	0.40701	251.139	-903.08
341	5	0.412463	251.309	-901.018
342	5	0.417928	251.484	-898.928
343	5	0.423405	251.663	-896.811
344	5	0.428895	251.847	-894.667
345	5	0.434397	252.036	-892.495
346	5	0.439913	252.229	-890.295
347	5	0.445443	252.428	-888.068
348	5	0.450985	252.631	-885.813
349	5	0.456542	252.839	-883.53
350	5	0.459327	253.05	-881.234
351	5	0.464904	253.266	-878.909
352	5	0.470498	253.488	-876.557
353	5	0.476105	253.714	-874.176
354	5	0.481728	253.947	-871.768
355	5	0.487364	254.184	-869.331
356	5	0.493018	254.427	-866.866
357	5	0.498687	254.676	-864.372
358	5	0.504372	254.93	-861.85
359	5	0.510074	255.19	-859.3
360	5	0.515791	255.456	-856.721
361	5	0.521527	255.728	-854.113
362	5	0.52728	256.006	-851.477
363	5	0.533048	256.291	-848.812
364	5	0.538836	256.581	-846.118
365	5	0.541736	256.874	-843.409
366	5	0.547551	257.174	-840.671
367	5	0.553384	257.48	-837.904
368	5	0.559237	257.793	-835.108
369	5	0.565108	258.113	-832.283
370	5	0.570999	258.439	-829.428
371	5	0.576911	258.771	-826.543
372	5	0.582841	259.111	-823.629
373	5	0.588793	259.458	-820.685
374	5	0.594766	259.812	-817.711
375	5	0.60076	260.172	-814.707
376	5	0.606775	260.541	-811.673
377	5	0.612813	260.916	-808.609
378	5	0.618872	261.299	-805.515
379	5	0.624956	261.69	-802.39
380	5	0.631062	262.088	-799.235
381	5	0.634124	262.49	-796.064
382	5	0.640266	262.9	-792.863
383	5	0.646431	263.318	-789.631
384	5	0.652622	263.744	-786.368
385	5	0.658838	264.178	-783.073
386	5	0.665079	264.62	-779.748
387	5	0.671346	265.071	-776.391
388	5	0.677639	265.53	-773.003
389	5	0.68396	265.998	-769.583

390	5	0.690309	266.474	-766.132
391	5	0.696684	266.96	-762.648
392	5	0.703089	267.454	-759.133
393	5	0.709522	267.958	-755.585
394	5	0.715986	268.47	-752.005
395	5	0.722479	268.992	-748.393
396	5	0.725736	269.519	-744.764
397	5	0.732275	270.055	-741.103
398	5	0.738846	270.601	-737.409
399	5	0.745449	271.157	-733.681
400	5	0.752084	271.722	-729.921
401	5	0.758753	272.298	-726.127
402	5	0.765456	272.884	-722.3
403	5	0.772193	273.48	-718.439
404	5	0.778966	274.087	-714.544
405	5	0.785774	274.704	-710.615
406	5	0.792618	275.333	-706.652
407	5	0.7995	275.972	-702.655
408	5	0.806422	276.622	-698.623
409	5	0.813379	277.284	-694.556
410	5	0.820379	277.957	-690.454
411	5	0.823893	278.636	-686.334
412	5	0.830953	279.326	-682.18
413	5	0.838054	280.028	-677.989
414	5	0.845198	280.743	-673.763
415	5	0.852385	281.469	-669.501
416	5	0.859618	282.208	-665.203
417	5	0.866894	282.96	-660.869
418	5	0.874218	283.724	-656.498
419	5	0.881587	284.501	-652.09
420	5	0.889006	285.292	-647.645
421	5	0.896473	286.095	-643.162
422	5	0.903992	286.912	-638.642
423	5	0.911562	287.743	-634.085
424	5	0.919183	288.588	-629.489
425	5	0.926859	289.447	-624.854
426	5	0.930718	290.314	-620.201
427	5	0.938476	291.194	-615.508
428	5	0.946291	292.09	-610.777
429	5	0.954165	293	-606.006
430	5	0.9621	293.926	-601.196
431	5	0.970094	294.867	-596.345
432	5	0.97815	295.824	-591.454
433	5	0.986272	296.796	-586.523
434	5	0.994457	297.785	-581.551
435	5	1.00271	298.791	-576.537
436	5	1.01104	299.813	-571.482
437	5	1.01943	300.852	-566.385
438	5	1.02789	301.909	-561.246
439	5	1.03643	302.983	-556.063
440	5	1.04505	304.075	-550.838
441	5	1.04939	305.176	-545.591
442	5	1.05812	306.296	-540.301
443	5	1.06694	307.434	-534.966
444	5	1.07584	308.592	-529.587
445	5	1.08482	309.769	-524.163
446	5	1.0939	310.965	-518.693

447	5	1.10306	312.182	-513.178
448	5	1.11232	313.419	-507.616
449	5	1.12168	314.677	-502.008
450	5	1.13113	315.957	-496.352
451	5	1.14069	317.258	-490.649
452	5	1.15035	318.581	-484.897
453	5	1.16012	319.927	-479.096
454	5	1.17	321.296	-473.246
455	5	1.18	322.689	-467.346
456	5	1.19012	324.105	-461.396
457	5	1.19522	325.533	-455.42
458	5	1.20553	326.987	-449.392
459	5	1.21596	328.465	-443.312
460	5	1.22653	329.97	-437.18
461	5	1.23724	331.5	-430.993
462	5	1.24809	333.058	-424.753
463	5	1.25908	334.643	-418.458
464	5	1.27024	336.257	-412.106
465	5	1.28155	337.899	-405.699
466	5	1.29303	339.571	-399.233
467	5	1.30469	341.273	-392.71
468	5	1.31652	343.007	-386.127
469	5	1.32854	344.772	-379.485
470	5	1.34075	346.569	-372.781
471	5	1.35317	348.4	-366.015
472	5	1.35946	350.249	-359.218
473	5	1.3722	352.131	-352.357
474	5	1.38517	354.05	-345.431
475	5	1.39838	356.006	-338.439
476	5	1.41183	357.999	-331.38
477	5	1.42554	360.031	-324.252
478	5	1.43953	362.103	-317.054
479	5	1.4538	364.217	-309.785
480	5	1.46838	366.373	-302.443
481	5	1.48328	368.573	-295.027
482	5	1.49852	370.819	-287.535
483	5	1.5141	373.111	-279.964
484	5	1.53007	375.452	-272.314
485	5	1.54643	377.844	-264.581
486	5	1.56322	380.287	-256.765
487	5	1.57179	382.758	-248.906
488	5	1.58927	385.284	-240.96
489	5	1.60725	387.867	-232.924
490	5	1.62576	390.51	-224.795
491	5.2	1.64485	393.216	-216.242
492	5.6	1.66456	395.986	-206.92
493	6.5	1.68494	398.825	-195.968
494	7	1.70604	401.736	-184.026
495	10	1.72793	404.722	-166.747
496	11	1.75069	407.787	-147.489
497	12.3	1.77438	410.935	-125.664
498	12.3	1.79912	414.172	-103.535
499	13	1.82501	417.503	-79.8099
500	13	1.85218	420.933	-55.7316
501	14	1.88079	424.47	-29.4006
502	14	1.8957	428.064	-2.86081
503	14	1.92684	431.777	24.1149

504	14	1.95996	435.618	51.5544
505	16	1.99539	439.6	83.4807
506	16	2.03352	443.735	116.017
507	17	2.07485	448.04	151.289
508	20	2.12007	452.535	193.691
509	21	2.17009	457.244	239.263
510	23	2.22621	462.2	290.465
511	26	2.29036	467.446	350.015
512	27	2.36561	473.042	413.886
513	28	2.45727	479.08	482.69
514	30	2.57583	485.715	559.965
515	34	2.74777	493.265	653.389
516	38	0	493.265	653.389

Data Set Standard Deviation = 3.32198
Numerator = 426917
Denominator = 2.80337e+006
W Statistic = 0.152287 = 426917 / 2.80337e+006

5% Critical value of 0.976 exceeds 0.152287
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.152287
Evidence of non-normality at 99% level of significance

Shapiro-Francia Test of Normality

Parameter: Vinyl chloride

All Locations

Normality Test of Parameter Concentrations

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 516

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	0.44	0	0	0
2	0.44	-2.74777	7.55021	-1.20902
3	0.45	-2.57583	14.1851	-2.36814
4	0.47	-2.45727	20.2233	-3.52306
5	0.47	-2.36561	25.8195	-4.6349
6	0.73	-2.29036	31.0652	-6.30686
7	0.8	-2.22621	36.0212	-8.08783
8	0.9	-2.17009	40.7305	-10.0409
9	1.4	-2.12007	45.2252	-13.009
10	1.6	-2.07485	49.5302	-16.3288
11	2.6	-2.03352	53.6654	-21.6159
12	3.2	-1.99539	57.647	-28.0012
13	3.6	-1.95996	61.4884	-35.057
14	3.9	-1.92684	65.2012	-42.5717
15	4.8	-1.8957	68.7948	-51.671
16	5.1	-1.88079	72.3322	-61.2631
17	5.4	-1.85218	75.7627	-71.2648
18	5.4	-1.82501	79.0934	-81.1199
19	9	-1.79912	82.3302	-97.3119
20	10	-1.77438	85.4786	-115.056
21	10	-1.75069	88.5435	-132.563
22	10	-1.72793	91.5293	-149.842
23	10	-1.70604	94.4399	-166.902
24	10	-1.68494	97.2789	-183.752
25	10	-1.66456	100.05	-200.397
26	10	-1.64485	102.755	-216.846
27	10	-1.62576	105.398	-233.103
28	10	-1.60725	107.982	-249.176
29	10	-1.58927	110.507	-265.069
30	10	-1.57179	112.978	-280.787
31	10	-1.56322	115.422	-296.419
32	10	-1.54643	117.813	-311.883
33	10	-1.53007	120.154	-327.184
34	10	-1.5141	122.447	-342.325
35	10	-1.49852	124.692	-357.31
36	10	-1.48328	126.892	-372.143
37	10	-1.46838	129.048	-386.827
38	10	-1.4538	131.162	-401.365
39	10	-1.43953	133.234	-415.76
40	10	-1.42554	135.266	-430.015
41	10	-1.41183	137.26	-444.134
42	10	-1.39838	139.215	-458.117
43	10	-1.38517	141.134	-471.969
44	10	-1.3722	143.017	-485.691
45	10	-1.35946	144.865	-499.286
46	10	-1.35317	146.696	-512.818
47	10	-1.34075	148.494	-526.225

48	10	-1.32854	150.259	-539.511
49	10	-1.31652	151.992	-552.676
50	10	-1.30469	153.694	-565.723
51	10	-1.29303	155.366	-578.653
52	10	-1.28155	157.008	-591.468
53	10	-1.27024	158.622	-604.171
54	10	-1.25908	160.207	-616.762
55	10	-1.24809	161.765	-629.242
56	10	-1.23724	163.296	-641.615
57	10	-1.22653	164.8	-653.88
58	10	-1.21596	166.279	-666.04
59	10	-1.20553	167.732	-678.095
60	10	-1.19522	169.16	-690.047
61	10	-1.19012	170.577	-701.948
62	10	-1.18	171.969	-713.748
63	10	-1.17	173.338	-725.448
64	10	-1.16012	174.684	-737.05
65	10	-1.15035	176.007	-748.553
66	10	-1.14069	177.308	-759.96
67	10	-1.13113	178.588	-771.271
68	10	-1.12168	179.846	-782.488
69	10	-1.11232	181.083	-793.611
70	10	-1.10306	182.3	-804.642
71	10	-1.0939	183.497	-815.581
72	10	-1.08482	184.673	-826.429
73	10	-1.07584	185.831	-837.187
74	10	-1.06694	186.969	-847.857
75	10	-1.05812	188.089	-858.438
76	10	-1.04939	189.19	-868.932
77	10	-1.04505	190.282	-879.382
78	10	-1.03643	191.356	-889.747
79	10	-1.02789	192.413	-900.026
80	10	-1.01943	193.452	-910.22
81	10	-1.01104	194.474	-920.33
82	10	-1.00271	195.48	-930.357
83	10	-0.994457	196.469	-940.302
84	10	-0.986272	197.442	-950.165
85	10	-0.97815	198.398	-959.946
86	10	-0.970094	199.339	-969.647
87	10	-0.9621	200.265	-979.268
88	10	-0.954165	201.175	-988.81
89	10	-0.946291	202.071	-998.273
90	10	-0.938476	202.952	-1007.66
91	10	-0.930718	203.818	-1016.96
92	10	-0.926859	204.677	-1026.23
93	10	-0.919183	205.522	-1035.43
94	10	-0.911562	206.353	-1044.54
95	10	-0.903992	207.17	-1053.58
96	10	-0.896473	207.974	-1062.55
97	10	-0.889006	208.764	-1071.44
98	10	-0.881587	209.541	-1080.25
99	10	-0.874218	210.305	-1088.99
100	10	-0.866894	211.057	-1097.66
101	10	-0.859618	211.796	-1106.26
102	10	-0.852385	212.522	-1114.78
103	10	-0.845198	213.237	-1123.23
104	10	-0.838054	213.939	-1131.61

105	10	-0.830953	214.63	-1139.92
106	10	-0.823893	215.308	-1148.16
107	10	-0.820379	215.981	-1156.37
108	10	-0.813379	216.643	-1164.5
109	10	-0.806422	217.293	-1172.57
110	10	-0.7995	217.933	-1180.56
111	10	-0.792618	218.561	-1188.49
112	10	-0.785774	219.178	-1196.34
113	10	-0.778966	219.785	-1204.13
114	10	-0.772193	220.381	-1211.86
115	10	-0.765456	220.967	-1219.51
116	10	-0.758753	221.543	-1227.1
117	10	-0.752084	222.109	-1234.62
118	10	-0.745449	222.664	-1242.07
119	10	-0.738846	223.21	-1249.46
120	10	-0.732275	223.746	-1256.78
121	10	-0.725736	224.273	-1264.04
122	10	-0.722479	224.795	-1271.27
123	10	-0.715986	225.308	-1278.43
124	10	-0.709522	225.811	-1285.52
125	10	-0.703089	226.305	-1292.55
126	10	-0.696684	226.791	-1299.52
127	10	-0.690309	227.267	-1306.42
128	10	-0.68396	227.735	-1313.26
129	10	-0.677639	228.194	-1320.04
130	10	-0.671346	228.645	-1326.75
131	10	-0.665079	229.087	-1333.4
132	10	-0.658838	229.521	-1339.99
133	10	-0.652622	229.947	-1346.52
134	10	-0.646431	230.365	-1352.98
135	10	-0.640266	230.775	-1359.38
136	10	-0.634124	231.177	-1365.73
137	10	-0.631062	231.576	-1372.04
138	10	-0.624956	231.966	-1378.29
139	10	-0.618872	232.349	-1384.47
140	10	-0.612813	232.725	-1390.6
141	10	-0.606775	233.093	-1396.67
142	10	-0.60076	233.454	-1402.68
143	10	-0.594766	233.807	-1408.63
144	10	-0.588793	234.154	-1414.51
145	10	-0.582841	234.494	-1420.34
146	10	-0.576911	234.827	-1426.11
147	10	-0.570999	235.153	-1431.82
148	10	-0.565108	235.472	-1437.47
149	10	-0.559237	235.785	-1443.06
150	10	-0.553384	236.091	-1448.6
151	10	-0.547551	236.391	-1454.07
152	10	-0.541736	236.684	-1459.49
153	10	-0.538836	236.975	-1464.88
154	10	-0.533048	237.259	-1470.21
155	10	-0.52728	237.537	-1475.48
156	10	-0.521527	237.809	-1480.7
157	10	-0.515791	238.075	-1485.86
158	10	-0.510074	238.335	-1490.96
159	10	-0.504372	238.589	-1496
160	10	-0.498687	238.838	-1500.99
161	10	-0.493018	239.081	-1505.92

162	10	-0.487364	239.319	-1510.79
163	10	-0.481728	239.551	-1515.61
164	10	-0.476105	239.777	-1520.37
165	10	-0.470498	239.999	-1525.07
166	10	-0.464904	240.215	-1529.72
167	10	-0.459327	240.426	-1534.32
168	10	-0.456542	240.634	-1538.88
169	10	-0.450985	240.838	-1543.39
170	10	-0.445443	241.036	-1547.85
171	10	-0.439913	241.23	-1552.25
172	10	-0.434397	241.418	-1556.59
173	10	-0.428895	241.602	-1560.88
174	10	-0.423405	241.782	-1565.11
175	10	-0.417928	241.956	-1569.29
176	10	-0.412463	242.126	-1573.42
177	10	-0.40701	242.292	-1577.49
178	10	-0.401571	242.453	-1581.5
179	10	-0.396142	242.61	-1585.46
180	10	-0.390726	242.763	-1589.37
181	10	-0.385321	242.911	-1593.22
182	10	-0.379927	243.056	-1597.02
183	10	-0.377233	243.198	-1600.8
184	10	-0.371856	243.336	-1604.51
185	10	-0.36649	243.471	-1608.18
186	10	-0.361133	243.601	-1611.79
187	10	-0.355788	243.728	-1615.35
188	10	-0.350451	243.85	-1618.85
189	10	-0.345126	243.97	-1622.3
190	10	-0.33981	244.085	-1625.7
191	10	-0.334503	244.197	-1629.05
192	10	-0.329206	244.305	-1632.34
193	10	-0.323919	244.41	-1635.58
194	10	-0.318639	244.512	-1638.76
195	10	-0.31337	244.61	-1641.9
196	10	-0.308108	244.705	-1644.98
197	10	-0.302855	244.797	-1648.01
198	10	-0.300232	244.887	-1651.01
199	10	-0.294992	244.974	-1653.96
200	10	-0.28976	245.058	-1656.86
201	10	-0.284535	245.139	-1659.7
202	10	-0.279319	245.217	-1662.5
203	10	-0.27411	245.292	-1665.24
204	10	-0.268908	245.364	-1667.93
205	10	-0.263715	245.434	-1670.56
206	10	-0.258527	245.501	-1673.15
207	10	-0.253347	245.565	-1675.68
208	10	-0.248174	245.626	-1678.16
209	10	-0.243007	245.685	-1680.59
210	10	-0.237847	245.742	-1682.97
211	10	-0.232693	245.796	-1685.3
212	10	-0.227545	245.848	-1687.58
213	10	-0.224974	245.898	-1689.83
214	10	-0.219834	245.947	-1692.02
215	10	-0.214702	245.993	-1694.17
216	10	-0.209575	246.037	-1696.27
217	10	-0.204452	246.079	-1698.31
218	10	-0.199336	246.118	-1700.3

219	10	-0.194225	246.156	-1702.25
220	10	-0.189118	246.192	-1704.14
221	10	-0.184017	246.226	-1705.98
222	10	-0.17892	246.258	-1707.77
223	10	-0.173829	246.288	-1709.51
224	10	-0.168741	246.316	-1711.19
225	10	-0.163659	246.343	-1712.83
226	10	-0.158579	246.368	-1714.41
227	10	-0.153505	246.392	-1715.95
228	10	-0.148434	246.414	-1717.43
229	10	-0.1459	246.435	-1718.89
230	10	-0.140835	246.455	-1720.3
231	10	-0.135774	246.473	-1721.66
232	10	-0.130716	246.491	-1722.97
233	10	-0.125661	246.506	-1724.22
234	10	-0.12061	246.521	-1725.43
235	10	-0.115562	246.534	-1726.58
236	10	-0.110516	246.546	-1727.69
237	10	-0.105474	246.558	-1728.74
238	10	-0.100433	246.568	-1729.75
239	10	-0.0953969	246.577	-1730.7
240	10	-0.0903606	246.585	-1731.61
241	10	-0.0853288	246.592	-1732.46
242	10	-0.0802981	246.599	-1733.26
243	10	-0.0752698	246.604	-1734.02
244	10	-0.0727562	246.61	-1734.74
245	10	-0.0677301	246.614	-1735.42
246	10	-0.0627062	246.618	-1736.05
247	10	-0.0576847	246.622	-1736.62
248	10	-0.0526632	246.624	-1737.15
249	10	-0.0476439	246.627	-1737.63
250	10	-0.0426257	246.628	-1738.05
251	10	-0.0376076	246.63	-1738.43
252	10	-0.0325917	246.631	-1738.76
253	10	-0.0275759	246.632	-1739.03
254	10	-0.0225612	246.632	-1739.26
255	10	-0.0175476	246.632	-1739.43
256	10	-0.0125328	246.633	-1739.56
257	10	-0.00751925	246.633	-1739.63
258	10	-0.0025068	246.633	-1739.66
259	10	0.0025068	246.633	-1739.63
260	10	0.00751925	246.633	-1739.56
261	10	0.0125328	246.633	-1739.43
262	10	0.0175476	246.633	-1739.26
263	10	0.0225612	246.634	-1739.03
264	10	0.0275759	246.634	-1738.76
265	10	0.0325917	246.635	-1738.43
266	10	0.0376076	246.637	-1738.05
267	10	0.0426257	246.639	-1737.63
268	10	0.0476439	246.641	-1737.15
269	10	0.0526632	246.644	-1736.62
270	10	0.0576847	246.647	-1736.05
271	10	0.0627062	246.651	-1735.42
272	10	0.0677301	246.656	-1734.74
273	10	0.0727562	246.661	-1734.02
274	10	0.0752698	246.667	-1733.26
275	10	0.0802981	246.673	-1732.46

276	10	0.0853288	246.68	-1731.61
277	10	0.0903606	246.688	-1730.7
278	10	0.0953969	246.698	-1729.75
279	10	0.100433	246.708	-1728.74
280	10	0.105474	246.719	-1727.69
281	10	0.110516	246.731	-1726.58
282	10	0.115562	246.744	-1725.43
283	10	0.12061	246.759	-1724.22
284	10	0.125661	246.775	-1722.97
285	10	0.130716	246.792	-1721.66
286	10	0.135774	246.81	-1720.3
287	10	0.140835	246.83	-1718.89
288	10	0.1459	246.851	-1717.43
289	10	0.148434	246.873	-1715.95
290	10	0.153505	246.897	-1714.41
291	10	0.158579	246.922	-1712.83
292	10	0.163659	246.949	-1711.19
293	10	0.168741	246.977	-1709.51
294	10	0.173829	247.008	-1707.77
295	10	0.17892	247.04	-1705.98
296	10	0.184017	247.073	-1704.14
297	10	0.189118	247.109	-1702.25
298	10	0.194225	247.147	-1700.3
299	10	0.199336	247.187	-1698.31
300	10	0.204452	247.228	-1696.27
301	10	0.209575	247.272	-1694.17
302	10	0.214702	247.318	-1692.02
303	10	0.219834	247.367	-1689.83
304	10	0.224974	247.417	-1687.58
305	10	0.227545	247.469	-1685.3
306	10	0.232693	247.523	-1682.97
307	10	0.237847	247.58	-1680.59
308	10	0.243007	247.639	-1678.16
309	10	0.248174	247.701	-1675.68
310	10	0.253347	247.765	-1673.15
311	10	0.258527	247.832	-1670.56
312	10	0.263715	247.901	-1667.93
313	10	0.268908	247.973	-1665.24
314	10	0.27411	248.049	-1662.5
315	10	0.279319	248.127	-1659.7
316	10	0.284535	248.208	-1656.86
317	10	0.28976	248.291	-1653.96
318	10	0.294992	248.379	-1651.01
319	10	0.300232	248.469	-1648.01
320	10	0.302855	248.56	-1644.98
321	10	0.308108	248.655	-1641.9
322	10	0.31337	248.754	-1638.76
323	10	0.318639	248.855	-1635.58
324	10	0.323919	248.96	-1632.34
325	10	0.329206	249.068	-1629.05
326	10	0.334503	249.18	-1625.7
327	10	0.33981	249.296	-1622.3
328	10	0.345126	249.415	-1618.85
329	10	0.350451	249.538	-1615.35
330	10	0.355788	249.664	-1611.79
331	10	0.361133	249.795	-1608.18
332	10	0.36649	249.929	-1604.51

333	10	0.371856	250.067	-1600.8
334	10	0.377233	250.21	-1597.02
335	10	0.379927	250.354	-1593.22
336	10	0.385321	250.502	-1589.37
337	10	0.390726	250.655	-1585.46
338	10	0.396142	250.812	-1581.5
339	10	0.401571	250.973	-1577.49
340	10	0.40701	251.139	-1573.42
341	10	0.412463	251.309	-1569.29
342	10	0.417928	251.484	-1565.11
343	10	0.423405	251.663	-1560.88
344	10	0.428895	251.847	-1556.59
345	10	0.434397	252.036	-1552.25
346	10	0.439913	252.229	-1547.85
347	10	0.445443	252.428	-1543.39
348	10	0.450985	252.631	-1538.88
349	10	0.456542	252.839	-1534.32
350	10	0.459327	253.05	-1529.72
351	10	0.464904	253.266	-1525.07
352	10	0.470498	253.488	-1520.37
353	10	0.476105	253.714	-1515.61
354	10	0.481728	253.947	-1510.79
355	10	0.487364	254.184	-1505.92
356	10	0.493018	254.427	-1500.99
357	10	0.498687	254.676	-1496
358	10	0.504372	254.93	-1490.96
359	10	0.510074	255.19	-1485.86
360	10	0.515791	255.456	-1480.7
361	10	0.521527	255.728	-1475.48
362	10	0.52728	256.006	-1470.21
363	10	0.533048	256.291	-1464.88
364	10	0.538836	256.581	-1459.49
365	10	0.541736	256.874	-1454.07
366	10	0.547551	257.174	-1448.6
367	10	0.553384	257.48	-1443.06
368	10	0.559237	257.793	-1437.47
369	10	0.565108	258.113	-1431.82
370	10	0.570999	258.439	-1426.11
371	10	0.576911	258.771	-1420.34
372	10	0.582841	259.111	-1414.51
373	10	0.588793	259.458	-1408.63
374	10	0.594766	259.812	-1402.68
375	10	0.60076	260.172	-1396.67
376	10	0.606775	260.541	-1390.6
377	10	0.612813	260.916	-1384.47
378	10	0.618872	261.299	-1378.29
379	10	0.624956	261.69	-1372.04
380	10	0.631062	262.088	-1365.73
381	10	0.634124	262.49	-1359.38
382	10	0.640266	262.9	-1352.98
383	10	0.646431	263.318	-1346.52
384	10	0.652622	263.744	-1339.99
385	10	0.658838	264.178	-1333.4
386	10	0.665079	264.62	-1326.75
387	10	0.671346	265.071	-1320.04
388	10	0.677639	265.53	-1313.26
389	10	0.68396	265.998	-1306.42

390	10	0.690309	266.474	-1299.52
391	10	0.696684	266.96	-1292.55
392	10	0.703089	267.454	-1285.52
393	10	0.709522	267.958	-1278.43
394	10	0.715986	268.47	-1271.27
395	10	0.722479	268.992	-1264.04
396	10	0.725736	269.519	-1256.78
397	10	0.732275	270.055	-1249.46
398	10	0.738846	270.601	-1242.07
399	10	0.745449	271.157	-1234.62
400	10	0.752084	271.722	-1227.1
401	10	0.758753	272.298	-1219.51
402	10	0.765456	272.884	-1211.86
403	10	0.772193	273.48	-1204.13
404	10	0.778966	274.087	-1196.34
405	10	0.785774	274.704	-1188.49
406	10	0.792618	275.333	-1180.56
407	10	0.7995	275.972	-1172.57
408	10	0.806422	276.622	-1164.5
409	10	0.813379	277.284	-1156.37
410	10	0.820379	277.957	-1148.16
411	10	0.823893	278.636	-1139.92
412	10	0.830953	279.326	-1131.61
413	10	0.838054	280.028	-1123.23
414	10	0.845198	280.743	-1114.78
415	10	0.852385	281.469	-1106.26
416	10	0.859618	282.208	-1097.66
417	10	0.866894	282.96	-1088.99
418	10	0.874218	283.724	-1080.25
419	10	0.881587	284.501	-1071.44
420	10	0.889006	285.292	-1062.55
421	10	0.896473	286.095	-1053.58
422	10	0.903992	286.912	-1044.54
423	10	0.911562	287.743	-1035.43
424	10	0.919183	288.588	-1026.23
425	10	0.926859	289.447	-1016.96
426	10	0.930718	290.314	-1007.66
427	10	0.938476	291.194	-998.273
428	10	0.946291	292.09	-988.81
429	10	0.954165	293	-979.268
430	10	0.9621	293.926	-969.647
431	10	0.970094	294.867	-959.946
432	10	0.97815	295.824	-950.165
433	10	0.986272	296.796	-940.302
434	10	0.994457	297.785	-930.357
435	10	1.00271	298.791	-920.33
436	10	1.01104	299.813	-910.22
437	10	1.01943	300.852	-900.026
438	10	1.02789	301.909	-889.747
439	10	1.03643	302.983	-879.382
440	10	1.04505	304.075	-868.932
441	10	1.04939	305.176	-858.438
442	10	1.05812	306.296	-847.857
443	10	1.06694	307.434	-837.187
444	10	1.07584	308.592	-826.429
445	10	1.08482	309.769	-815.581
446	10	1.0939	310.965	-804.642

447	10	1.10306	312.182	-793.611
448	10	1.11232	313.419	-782.488
449	10	1.12168	314.677	-771.271
450	10	1.13113	315.957	-759.96
451	10	1.14069	317.258	-748.553
452	10	1.15035	318.581	-737.05
453	10	1.16012	319.927	-725.448
454	10	1.17	321.296	-713.748
455	10	1.18	322.689	-701.948
456	10	1.19012	324.105	-690.047
457	10	1.19522	325.533	-678.095
458	10	1.20553	326.987	-666.04
459	10	1.21596	328.465	-653.88
460	10	1.22653	329.97	-641.615
461	10	1.23724	331.5	-629.242
462	10	1.24809	333.058	-616.762
463	10	1.25908	334.643	-604.171
464	10	1.27024	336.257	-591.468
465	10	1.28155	337.899	-578.653
466	10	1.29303	339.571	-565.723
467	10	1.30469	341.273	-552.676
468	10	1.31652	343.007	-539.511
469	10	1.32854	344.772	-526.225
470	10	1.34075	346.569	-512.818
471	10	1.35317	348.4	-499.286
472	10	1.35946	350.249	-485.691
473	10	1.3722	352.131	-471.969
474	10	1.38517	354.05	-458.117
475	10	1.39838	356.006	-444.134
476	10	1.41183	357.999	-430.015
477	10	1.42554	360.031	-415.76
478	10	1.43953	362.103	-401.365
479	10	1.4538	364.217	-386.827
480	10	1.46838	366.373	-372.143
481	10	1.48328	368.573	-357.31
482	10	1.49852	370.819	-342.325
483	10	1.5141	373.111	-327.184
484	10	1.53007	375.452	-311.883
485	10	1.54643	377.844	-296.419
486	10	1.56322	380.287	-280.787
487	10	1.57179	382.758	-265.069
488	10	1.58927	385.284	-249.176
489	10	1.60725	387.867	-233.103
490	10	1.62576	390.51	-216.846
491	10	1.64485	393.216	-200.397
492	10	1.66456	395.986	-183.752
493	10	1.68494	398.825	-166.902
494	10	1.70604	401.736	-149.842
495	10	1.72793	404.722	-132.563
496	10	1.75069	407.787	-115.056
497	10	1.77438	410.935	-97.3119
498	10	1.79912	414.172	-79.3207
499	10	1.82501	417.503	-61.0707
500	10	1.85218	420.933	-42.5489
501	10	1.88079	424.47	-23.741
502	10	1.8957	428.064	-4.78406
503	10	1.92684	431.777	14.4843

504	10	1.95996	435.618	34.0839
505	10	1.99539	439.6	54.0379
506	10	2.03352	443.735	74.3731
507	10	2.07485	448.04	95.1216
508	10	2.12007	452.535	116.322
509	10	2.17009	457.244	138.023
510	10	2.22621	462.2	160.285
511	10	2.29036	467.446	183.189
512	10	2.36561	473.042	206.845
513	10	2.45727	479.08	231.418
514	10	2.57583	485.715	257.176
515	12	2.74777	493.265	290.149
516	93	0	493.265	290.149

Data Set Standard Deviation = 3.94485
Numerator = 84186.6
Denominator = 3.95321e+006
W Statistic = 0.0212958 = 84186.6 / 3.95321e+006

5% Critical value of 0.976 exceeds 0.0212958
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.0212958
Evidence of non-normality at 99% level of significance

Shapiro-Francia Test of Normality

Parameter: Barium

All Locations

Normality Test of Parameter Concentrations

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 500

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	7.1	0	0	0
2	9.15	-2.74777	7.55021	-25.1421
3	10.2	-2.57583	14.1851	-51.4156
4	10.2	-2.45727	20.2233	-76.4797
5	10.4	-2.36561	25.8195	-101.082
6	10.6	-2.29036	31.0652	-125.36
7	11.1	-2.22621	36.0212	-150.071
8	11.5	-2.17009	40.7305	-175.027
9	12.3	-2.12007	45.2252	-201.104
10	12.5	-2.07485	49.5302	-227.039
11	12.7	-2.03352	53.6654	-252.865
12	13	-1.99539	57.647	-278.805
13	13.1	-1.95996	61.4884	-304.481
14	13.9	-1.92684	65.2012	-331.264
15	14.3	-1.8957	68.7948	-358.372
16	14.4	-1.86629	72.2779	-385.247
17	14.8	-1.83843	75.6577	-412.455
18	15.8	-1.81191	78.9407	-441.084
19	16.5	-1.78661	82.1327	-470.563
20	17.1	-1.76241	85.2388	-500.7
21	17.9	-1.7392	88.2636	-531.832
22	18	-1.71688	91.2113	-562.736
23	19	-1.6954	94.0857	-594.948
24	21.7	-1.67466	96.8901	-631.288
25	25	-1.65463	99.6279	-672.654
26	26.4	-1.63524	102.302	-715.824
27	28	-1.61644	104.915	-761.084
28	35	-1.59819	107.469	-817.021
29	35	-1.58047	109.967	-872.337
30	37.1	-1.56322	112.411	-930.333
31	39	-1.54643	114.802	-990.644
32	40.9	-1.53007	117.143	-1053.22
33	41.2	-1.5141	119.436	-1115.6
34	41.2	-1.49852	121.681	-1177.34
35	46.2	-1.48328	123.881	-1245.87
36	48	-1.46838	126.037	-1316.35
37	50.4	-1.4538	128.151	-1389.63
38	53	-1.43953	130.223	-1465.92
39	53	-1.42554	132.255	-1541.47
40	53.5	-1.41183	134.249	-1617.01
41	55	-1.39838	136.204	-1693.92
42	59	-1.38517	138.123	-1775.64
43	60	-1.3722	140.006	-1857.98
44	60.3	-1.35946	141.854	-1939.95
45	63.1	-1.34694	143.668	-2024.94
46	65	-1.33462	145.449	-2111.69
47	69.8	-1.32251	147.198	-2204

48	70.4	-1.31058	148.916	-2296.27
49	71.6	-1.29884	150.603	-2389.27
50	72	-1.28727	152.26	-2481.95
51	74.3	-1.27588	153.888	-2576.75
52	74.4	-1.26464	155.487	-2670.84
53	74.6	-1.25357	157.059	-2764.35
54	79.2	-1.24264	158.603	-2862.77
55	79.7	-1.23187	160.12	-2960.95
56	80	-1.22123	161.612	-3058.65
57	83	-1.21073	163.078	-3159.14
58	86.8	-1.20036	164.518	-3263.33
59	87.6	-1.19012	165.935	-3367.58
60	87.7	-1.18	167.327	-3471.07
61	87.9	-1.17	168.696	-3573.91
62	88	-1.16012	170.042	-3676
63	89	-1.15035	171.365	-3778.38
64	90.7	-1.14069	172.666	-3881.84
65	91.4	-1.13113	173.946	-3985.23
66	104	-1.12168	175.204	-4101.88
67	105	-1.11232	176.441	-4218.68
68	106	-1.10306	177.658	-4335.6
69	106	-1.0939	178.855	-4451.56
70	107	-1.08482	180.032	-4567.63
71	107	-1.07584	181.189	-4682.75
72	108	-1.06694	182.327	-4797.98
73	109	-1.05812	183.447	-4913.31
74	110	-1.04939	184.548	-5028.74
75	112	-1.04073	185.631	-5145.31
76	114	-1.03215	186.697	-5262.97
77	115	-1.02365	187.744	-5380.69
78	119	-1.01522	188.775	-5501.5
79	120	-1.00687	189.789	-5622.33
80	123	-0.998575	190.786	-5745.15
81	124	-0.990356	191.767	-5867.95
82	125	-0.982202	192.732	-5990.73
83	127	-0.974114	193.681	-6114.44
84	131	-0.966088	194.614	-6241
85	132	-0.958125	195.532	-6367.47
86	160	-0.950222	196.435	-6519.51
87	164	-0.942375	197.323	-6674.06
88	170	-0.93459	198.196	-6832.94
89	183	-0.926859	199.055	-7002.55
90	194	-0.919183	199.9	-7180.87
91	203	-0.911562	200.731	-7365.92
92	207	-0.903992	201.548	-7553.05
93	218	-0.896473	202.352	-7748.48
94	220	-0.889006	203.142	-7944.06
95	225	-0.881587	203.92	-8142.42
96	235	-0.874218	204.684	-8347.86
97	241	-0.866894	205.435	-8556.78
98	244	-0.859618	206.174	-8766.53
99	244	-0.852385	206.901	-8974.51
100	245	-0.845198	207.615	-9181.58
101	251	-0.838054	208.318	-9391.93
102	292	-0.830953	209.008	-9634.57
103	296	-0.823893	209.687	-9878.44
104	309	-0.816874	210.354	-10130.9

105	331	-0.809896	211.01	-10398.9
106	339	-0.802956	211.655	-10671.1
107	356	-0.796056	212.288	-10954.5
108	356	-0.789191	212.911	-11235.5
109	379	-0.782366	213.523	-11532
110	386	-0.775574	214.125	-11831.4
111	389	-0.768821	214.716	-12130.4
112	397	-0.7621	215.297	-12433
113	410	-0.755415	215.867	-12742.7
114	415	-0.748762	216.428	-13053.5
115	431	-0.742143	216.979	-13373.3
116	469	-0.735557	217.52	-13718.3
117	473	-0.729003	218.051	-14063.1
118	485	-0.722479	218.573	-14413.5
119	486	-0.715986	219.086	-14761.5
120	488	-0.709522	219.589	-15107.7
121	500	-0.703089	220.084	-15459.3
122	500	-0.696684	220.569	-15807.6
123	500	-0.690309	221.046	-16152.8
124	500	-0.68396	221.513	-16494.8
125	500	-0.677639	221.973	-16833.6
126	500	-0.671346	222.423	-17169.2
127	500	-0.665079	222.866	-17501.8
128	500	-0.658838	223.3	-17831.2
129	500	-0.652622	223.726	-18157.5
130	500	-0.646431	224.144	-18480.7
131	500	-0.640266	224.553	-18800.9
132	500	-0.634124	224.956	-19117.9
133	500	-0.628006	225.35	-19431.9
134	500	-0.621911	225.737	-19742.9
135	500	-0.615839	226.116	-20050.8
136	500	-0.609791	226.488	-20355.7
137	500	-0.603765	226.852	-20657.6
138	500	-0.597761	227.21	-20956.5
139	500	-0.591776	227.56	-21252.3
140	500	-0.585815	227.903	-21545.3
141	500	-0.579873	228.239	-21835.2
142	500	-0.573953	228.569	-22122.2
143	500	-0.568052	228.891	-22406.2
144	500	-0.56217	229.207	-22687.3
145	500	-0.556308	229.517	-22965.4
146	500	-0.550465	229.82	-23240.7
147	500	-0.544642	230.117	-23513
148	500	-0.538836	230.407	-23782.4
149	500	-0.533048	230.691	-24048.9
150	500	-0.52728	230.969	-24312.6
151	500	-0.521527	231.241	-24573.3
152	500	-0.515791	231.507	-24831.2
153	500	-0.510074	231.767	-25086.3
154	500	-0.504372	232.022	-25338.5
155	500	-0.498687	232.27	-25587.8
156	500	-0.493018	232.513	-25834.3
157	500	-0.487364	232.751	-26078
158	500	-0.481728	232.983	-26318.9
159	500	-0.476105	233.21	-26556.9
160	500	-0.470498	233.431	-26792.2
161	500	-0.464904	233.647	-27024.6

162	500	-0.459327	233.858	-27254.3
163	500	-0.453763	234.064	-27481.1
164	500	-0.448213	234.265	-27705.3
165	500	-0.442676	234.461	-27926.6
166	500	-0.437153	234.652	-28145.2
167	500	-0.431644	234.838	-28361
168	500	-0.426148	235.02	-28574.1
169	500	-0.420664	235.197	-28784.4
170	500	-0.415193	235.369	-28992
171	500	-0.409735	235.537	-29196.9
172	500	-0.40429	235.701	-29399
173	500	-0.398855	235.86	-29598.4
174	500	-0.393433	236.015	-29795.2
175	500	-0.388022	236.165	-29989.2
176	500	-0.382622	236.311	-30180.5
177	500	-0.377233	236.454	-30369.1
178	500	-0.371856	236.592	-30555
179	500	-0.36649	236.726	-30738.3
180	500	-0.361133	236.857	-30918.8
181	500	-0.355788	236.983	-31096.7
182	500	-0.350451	237.106	-31271.9
183	500	-0.345126	237.225	-31444.5
184	500	-0.33981	237.341	-31614.4
185	500	-0.334503	237.453	-31781.7
186	500	-0.329206	237.561	-31946.3
187	500	-0.323919	237.666	-32108.2
188	500	-0.318639	237.768	-32267.6
189	500	-0.31337	237.866	-32424.2
190	500	-0.308108	237.961	-32578.3
191	500	-0.302855	238.052	-32729.7
192	500	-0.297612	238.141	-32878.5
193	500	-0.292375	238.226	-33024.7
194	500	-0.287147	238.309	-33168.3
195	500	-0.281926	238.388	-33309.2
196	500	-0.276714	238.465	-33447.6
197	500	-0.271509	238.539	-33583.4
198	500	-0.266311	238.61	-33716.5
199	500	-0.26112	238.678	-33847.1
200	500	-0.255936	238.743	-33975
201	500	-0.250759	238.806	-34100.4
202	500	-0.24559	238.866	-34223.2
203	500	-0.240426	238.924	-34343.4
204	500	-0.235269	238.98	-34461.1
205	500	-0.230118	239.033	-34576.1
206	500	-0.224974	239.083	-34688.6
207	500	-0.219834	239.132	-34798.5
208	500	-0.214702	239.178	-34905.9
209	500	-0.209575	239.222	-35010.7
210	500	-0.204452	239.263	-35112.9
211	500	-0.199336	239.303	-35212.6
212	500	-0.194225	239.341	-35309.7
213	500	-0.189118	239.377	-35404.2
214	500	-0.184017	239.41	-35496.2
215	500	-0.17892	239.442	-35585.7
216	500	-0.173829	239.473	-35672.6
217	500	-0.168741	239.501	-35757
218	500	-0.163659	239.528	-35838.8

219	500	-0.158579	239.553	-35918.1
220	500	-0.153505	239.577	-35994.9
221	500	-0.148434	239.599	-36069.1
222	500	-0.143367	239.619	-36140.8
223	500	-0.138305	239.638	-36209.9
224	500	-0.133244	239.656	-36276.5
225	500	-0.128189	239.673	-36340.6
226	500	-0.123135	239.688	-36402.2
227	500	-0.118085	239.702	-36461.2
228	500	-0.113039	239.714	-36517.8
229	500	-0.107995	239.726	-36571.8
230	500	-0.102953	239.737	-36623.2
231	500	-0.0979139	239.746	-36672.2
232	500	-0.0928787	239.755	-36718.6
233	500	-0.0878447	239.763	-36762.5
234	500	-0.0828129	239.769	-36804
235	500	-0.0777834	239.775	-36842.8
236	500	-0.0727562	239.781	-36879.2
237	500	-0.0677301	239.785	-36913.1
238	500	-0.0627062	239.789	-36944.4
239	500	-0.0576847	239.793	-36973.3
240	500	-0.0526632	239.795	-36999.6
241	500	-0.0476439	239.798	-37023.4
242	500	-0.0426257	239.799	-37044.8
243	500	-0.0376076	239.801	-37063.6
244	500	-0.0325917	239.802	-37079.9
245	500	-0.0275759	239.803	-37093.6
246	500	-0.0225612	239.803	-37104.9
247	500	-0.0175476	239.804	-37113.7
248	500	-0.0125328	239.804	-37120
249	500	-0.00751925	239.804	-37123.7
250	500	-0.0025068	239.804	-37125
251	500	0.0025068	239.804	-37123.7
252	500	0.00751925	239.804	-37120
253	500	0.0125328	239.804	-37113.7
254	500	0.0175476	239.804	-37104.9
255	500	0.0225612	239.805	-37093.6
256	500	0.0275759	239.806	-37079.9
257	500	0.0325917	239.807	-37063.6
258	500	0.0376076	239.808	-37044.8
259	500	0.0426257	239.81	-37023.4
260	500	0.0476439	239.812	-36999.6
261	500	0.0526632	239.815	-36973.3
262	500	0.0576847	239.818	-36944.4
263	500	0.0627062	239.822	-36913.1
264	500	0.0677301	239.827	-36879.2
265	500	0.0727562	239.832	-36842.8
266	500	0.0777834	239.838	-36804
267	500	0.0828129	239.845	-36762.5
268	500	0.0878447	239.853	-36718.6
269	500	0.0928787	239.861	-36672.2
270	500	0.0979139	239.871	-36623.2
271	500	0.102953	239.881	-36571.8
272	500	0.107995	239.893	-36517.8
273	500	0.113039	239.906	-36461.2
274	500	0.118085	239.92	-36402.2
275	500	0.123135	239.935	-36340.6

276	500	0.128189	239.951	-36276.5
277	500	0.133244	239.969	-36209.9
278	500	0.138305	239.988	-36140.8
279	500	0.143367	240.009	-36069.1
280	500	0.148434	240.031	-35994.9
281	500	0.153505	240.054	-35918.1
282	500	0.158579	240.08	-35838.8
283	500	0.163659	240.106	-35757
284	500	0.168741	240.135	-35672.6
285	500	0.173829	240.165	-35585.7
286	500	0.17892	240.197	-35496.2
287	500	0.184017	240.231	-35404.2
288	500	0.189118	240.267	-35309.7
289	500	0.194225	240.304	-35212.6
290	500	0.199336	240.344	-35112.9
291	500	0.204452	240.386	-35010.7
292	500	0.209575	240.43	-34905.9
293	500	0.214702	240.476	-34798.5
294	500	0.219834	240.524	-34688.6
295	500	0.224974	240.575	-34576.1
296	500	0.230118	240.628	-34461.1
297	500	0.235269	240.683	-34343.4
298	500	0.240426	240.741	-34223.2
299	500	0.24559	240.801	-34100.4
300	500	0.250759	240.864	-33975
301	500	0.255936	240.93	-33847.1
302	500	0.26112	240.998	-33716.5
303	500	0.266311	241.069	-33583.4
304	500	0.271509	241.143	-33447.6
305	500	0.276714	241.219	-33309.2
306	500	0.281926	241.299	-33168.3
307	500	0.287147	241.381	-33024.7
308	500	0.292375	241.467	-32878.5
309	500	0.297612	241.555	-32729.7
310	500	0.302855	241.647	-32578.3
311	500	0.308108	241.742	-32424.2
312	500	0.31337	241.84	-32267.6
313	500	0.318639	241.942	-32108.2
314	500	0.323919	242.046	-31946.3
315	500	0.329206	242.155	-31781.7
316	500	0.334503	242.267	-31614.4
317	500	0.33981	242.382	-31444.5
318	500	0.345126	242.501	-31271.9
319	500	0.350451	242.624	-31096.7
320	500	0.355788	242.751	-30918.8
321	500	0.361133	242.881	-30738.3
322	500	0.36649	243.015	-30555
323	500	0.371856	243.154	-30369.1
324	500	0.377233	243.296	-30180.5
325	500	0.382622	243.442	-29989.2
326	500	0.388022	243.593	-29795.2
327	500	0.393433	243.748	-29598.4
328	500	0.398855	243.907	-29399
329	500	0.40429	244.07	-29196.9
330	500	0.409735	244.238	-28992
331	500	0.415193	244.411	-28784.4
332	500	0.420664	244.588	-28574.1

333	500	0.426148	244.769	-28361
334	500	0.431644	244.955	-28145.2
335	500	0.437153	245.147	-27926.6
336	500	0.442676	245.343	-27705.3
337	500	0.448213	245.543	-27481.1
338	500	0.453763	245.749	-27254.3
339	500	0.459327	245.96	-27024.6
340	500	0.464904	246.176	-26792.2
341	500	0.470498	246.398	-26556.9
342	500	0.476105	246.624	-26318.9
343	500	0.481728	246.857	-26078
344	500	0.487364	247.094	-25834.3
345	500	0.493018	247.337	-25587.8
346	500	0.498687	247.586	-25338.5
347	500	0.504372	247.84	-25086.3
348	500	0.510074	248.1	-24831.2
349	500	0.515791	248.366	-24573.3
350	500	0.521527	248.638	-24312.6
351	500	0.52728	248.916	-24048.9
352	500	0.533048	249.201	-23782.4
353	500	0.538836	249.491	-23513
354	500	0.544642	249.788	-23240.7
355	500	0.550465	250.091	-22965.4
356	500	0.556308	250.4	-22687.3
357	500	0.56217	250.716	-22406.2
358	500	0.568052	251.039	-22122.2
359	500	0.573953	251.368	-21835.2
360	500	0.579873	251.704	-21545.3
361	500	0.585815	252.048	-21252.3
362	500	0.591776	252.398	-20956.5
363	500	0.597761	252.755	-20657.6
364	500	0.603765	253.12	-20355.7
365	500	0.609791	253.492	-20050.8
366	500	0.615839	253.871	-19742.9
367	500	0.621911	254.258	-19431.9
368	500	0.628006	254.652	-19117.9
369	500	0.634124	255.054	-18800.9
370	500	0.640266	255.464	-18480.7
371	500	0.646431	255.882	-18157.5
372	500	0.652622	256.308	-17831.2
373	500	0.658838	256.742	-17501.8
374	500	0.665079	257.184	-17169.2
375	500	0.671346	257.635	-16833.6
376	500	0.677639	258.094	-16494.8
377	500	0.68396	258.562	-16152.8
378	500	0.690309	259.038	-15807.6
379	500	0.696684	259.524	-15459.3
380	500	0.703089	260.018	-15107.7
381	500	0.709522	260.522	-14753
382	500	0.715986	261.034	-14395
383	500	0.722479	261.556	-14033.7
384	500	0.729003	262.088	-13669.2
385	500	0.735557	262.629	-13301.5
386	500	0.742143	263.179	-12930.4
387	500	0.748762	263.74	-12556
388	500	0.755415	264.311	-12178.3
389	500	0.7621	264.892	-11797.2

390	500	0.768821	265.483	-11412.8
391	500	0.775574	266.084	-11025
392	500	0.782366	266.696	-10633.9
393	500	0.789191	267.319	-10239.3
394	500	0.796056	267.953	-9841.24
395	500	0.802956	268.597	-9439.77
396	500	0.809896	269.253	-9034.82
397	500	0.816874	269.921	-8626.38
398	500	0.823893	270.599	-8214.43
399	500	0.830953	271.29	-7798.96
400	500	0.838054	271.992	-7379.93
401	500	0.845198	272.707	-6957.33
402	500	0.852385	273.433	-6531.14
403	500	0.859618	274.172	-6101.33
404	500	0.866894	274.924	-5667.88
405	500	0.874218	275.688	-5230.77
406	500	0.881587	276.465	-4789.98
407	500	0.889006	277.255	-4345.48
408	500	0.896473	278.059	-3897.24
409	500	0.903992	278.876	-3445.24
410	500	0.911562	279.707	-2989.46
411	500	0.919183	280.552	-2529.87
412	500	0.926859	281.411	-2066.44
413	500	0.93459	282.285	-1599.15
414	500	0.942375	283.173	-1127.96
415	500	0.950222	284.076	-652.849
416	500	0.958125	284.994	-173.787
417	500	0.966088	285.927	309.257
418	500	0.974114	286.876	796.315
419	500	0.982202	287.841	1287.42
420	500	0.990356	288.821	1782.59
421	500	0.998575	289.819	2281.88
422	500	1.00687	290.832	2785.31
423	500	1.01522	291.863	3292.92
424	500	1.02365	292.911	3804.75
425	500	1.03215	293.976	4320.83
426	500	1.04073	295.059	4841.19
427	500	1.04939	296.161	5365.89
428	500	1.05812	297.28	5894.95
429	500	1.06694	298.419	6428.42
430	500	1.07584	299.576	6966.33
431	500	1.08482	300.753	7508.75
432	500	1.0939	301.949	8055.69
433	500	1.10306	303.166	8607.23
434	500	1.11232	304.403	9163.39
435	500	1.12168	305.662	9724.22
436	500	1.13113	306.941	10289.8
437	500	1.14069	308.242	10860.1
438	500	1.15035	309.566	11435.3
439	500	1.16012	310.911	12015.4
440	500	1.17	312.28	12600.4
441	500	1.18	313.673	13190.4
442	500	1.19012	315.089	13785.4
443	500	1.20036	316.53	14385.6
444	500	1.21073	317.996	14991
445	500	1.22123	319.487	15601.6
446	500	1.23187	321.005	16217.5

447	500	1.24264	322.549	16838.8
448	500	1.25357	324.12	17465.6
449	500	1.26464	325.72	18097.9
450	500	1.27588	327.347	18735.9
451	500	1.28727	329.005	19379.5
452	500	1.29884	330.692	20028.9
453	500	1.31058	332.409	20684.2
454	500	1.32251	334.158	21345.5
455	500	1.33462	335.939	22012.8
456	500	1.34694	337.754	22686.3
457	500	1.35946	339.602	23366
458	500	1.3722	341.485	24052.1
459	500	1.38517	343.403	24744.7
460	500	1.39838	345.359	25443.9
461	500	1.41183	347.352	26149.8
462	500	1.42554	349.384	26862.6
463	500	1.43953	351.457	27582.3
464	500	1.4538	353.57	28309.2
465	500	1.46838	355.726	29043.4
466	500	1.48328	357.926	29785.1
467	500	1.49852	360.172	30534.3
468	500	1.5141	362.464	31291.4
469	500	1.53007	364.806	32056.4
470	500	1.54643	367.197	32829.6
471	526	1.56322	369.641	33651.9
472	532	1.58047	372.139	34492.7
473	552	1.59819	374.693	35374.9
474	558	1.61644	377.306	36276.8
475	560	1.63524	379.98	37192.6
476	567	1.65463	382.717	38130.8
477	570	1.67466	385.522	39085.3
478	570	1.6954	388.396	40051.7
479	575	1.71688	391.344	41038.9
480	580	1.7392	394.369	42047.6
481	600	1.76241	397.475	43105.1
482	600	1.78661	400.667	44177
483	603	1.81191	403.95	45269.6
484	620	1.83843	407.33	46409.5
485	640	1.86629	410.813	47603.9
486	650	1.8957	414.406	48836.1
487	658	1.92684	418.119	50103.9
488	658	1.95996	421.961	51393.6
489	680	1.99539	425.942	52750.5
490	700	2.03352	430.077	54173.9
491	704	2.07485	434.382	55634.6
492	723	2.12007	438.877	57167.4
493	730	2.17009	443.586	58751.6
494	870	2.22621	448.542	60688.4
495	878	2.29036	453.788	62699.3
496	1000	2.36561	459.384	65064.9
497	1010	2.45727	465.422	67546.8
498	1200	2.57583	472.057	70637.8
499	1300	2.74777	479.608	74209.9
500	2880	0	479.608	74209.9

Data Set Standard Deviation = 217.353

Numerator = 5.50711e+009
Denominator = 1.13062e+010
W Statistic = 0.487086 = 5.50711e+009 / 1.13062e+010

5% Critical value of 0.976 exceeds 0.487086
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.487086
Evidence of non-normality at 99% level of significance

Shapiro-Francia Test of Normality

Parameter: Cobalt

All Locations

Normality Test of Parameter Concentrations

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 500

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	1.1	0	0	0
2	1.2	-2.74777	7.55021	-3.29732
3	1.3	-2.57583	14.1851	-6.6459
4	1.46	-2.45727	20.2233	-10.2335
5	2.1	-2.36561	25.8195	-15.2013
6	2.11	-2.29036	31.0652	-20.034
7	2.3	-2.22621	36.0212	-25.1543
8	3	-2.17009	40.7305	-31.6645
9	3	-2.12007	45.2252	-38.0247
10	3	-2.07485	49.5302	-44.2493
11	3	-2.03352	53.6654	-50.3498
12	4	-1.99539	57.647	-58.3314
13	4.1	-1.95996	61.4884	-66.3673
14	4.3	-1.92684	65.2012	-74.6527
15	4.4	-1.8957	68.7948	-82.9937
16	4.91	-1.86629	72.2779	-92.1572
17	5.3	-1.83843	75.6577	-101.901
18	5.86	-1.81191	78.9407	-112.519
19	6	-1.78661	82.1327	-123.238
20	6.73	-1.76241	85.2388	-135.099
21	7	-1.7392	88.2636	-147.274
22	7	-1.71688	91.2113	-159.292
23	7	-1.6954	94.0857	-171.16
24	8	-1.67466	96.8901	-184.557
25	8.16	-1.65463	99.6279	-198.059
26	8.21	-1.63524	102.302	-211.484
27	9	-1.61644	104.915	-226.032
28	9.26	-1.59819	107.469	-240.831
29	10	-1.58047	109.967	-256.636
30	10	-1.56322	112.411	-272.268
31	10	-1.54643	114.802	-287.732
32	10	-1.53007	117.143	-303.033
33	10	-1.5141	119.436	-318.174
34	10	-1.49852	121.681	-333.159
35	10	-1.48328	123.881	-347.992
36	10	-1.46838	126.037	-362.676
37	10	-1.4538	128.151	-377.214
38	10	-1.43953	130.223	-391.609
39	10	-1.42554	132.255	-405.865
40	10	-1.41183	134.249	-419.983
41	10	-1.39838	136.204	-433.967
42	10	-1.38517	138.123	-447.819
43	10	-1.3722	140.006	-461.541
44	10	-1.35946	141.854	-475.135
45	10	-1.34694	143.668	-488.605
46	10	-1.33462	145.449	-501.951
47	10	-1.32251	147.198	-515.176

48	10	-1.31058	148.916	-528.282
49	10	-1.29884	150.603	-541.27
50	10	-1.28727	152.26	-554.143
51	10	-1.27588	153.888	-566.901
52	10	-1.26464	155.487	-579.548
53	10	-1.25357	157.059	-592.084
54	10	-1.24264	158.603	-604.51
55	10	-1.23187	160.12	-616.829
56	10	-1.22123	161.612	-629.041
57	10	-1.21073	163.078	-641.148
58	10	-1.20036	164.518	-653.152
59	10	-1.19012	165.935	-665.053
60	10	-1.18	167.327	-676.853
61	10	-1.17	168.696	-688.553
62	10	-1.16012	170.042	-700.154
63	10	-1.15035	171.365	-711.658
64	10	-1.14069	172.666	-723.065
65	10	-1.13113	173.946	-734.376
66	10	-1.12168	175.204	-745.593
67	10	-1.11232	176.441	-756.716
68	10	-1.10306	177.658	-767.747
69	10	-1.0939	178.855	-778.685
70	10	-1.08482	180.032	-789.534
71	10	-1.07584	181.189	-800.292
72	10	-1.06694	182.327	-810.961
73	10	-1.05812	183.447	-821.543
74	10	-1.04939	184.548	-832.037
75	10	-1.04073	185.631	-842.444
76	10	-1.03215	186.697	-852.765
77	10	-1.02365	187.744	-863.002
78	10	-1.01522	188.775	-873.154
79	10	-1.00687	189.789	-883.223
80	10	-0.998575	190.786	-893.209
81	10	-0.990356	191.767	-903.112
82	10	-0.982202	192.732	-912.934
83	10	-0.974114	193.681	-922.675
84	10	-0.966088	194.614	-932.336
85	10	-0.958125	195.532	-941.917
86	10	-0.950222	196.435	-951.42
87	10	-0.942375	197.323	-960.843
88	10	-0.93459	198.196	-970.189
89	10	-0.926859	199.055	-979.458
90	10	-0.919183	199.9	-988.65
91	10	-0.911562	200.731	-997.765
92	10	-0.903992	201.548	-1006.81
93	10	-0.896473	202.352	-1015.77
94	10	-0.889006	203.142	-1024.66
95	10	-0.881587	203.92	-1033.48
96	10	-0.874218	204.684	-1042.22
97	10	-0.866894	205.435	-1050.89
98	10	-0.859618	206.174	-1059.48
99	10	-0.852385	206.901	-1068.01
100	10	-0.845198	207.615	-1076.46
101	10	-0.838054	208.318	-1084.84
102	10	-0.830953	209.008	-1093.15
103	10	-0.823893	209.687	-1101.39
104	10	-0.816874	210.354	-1109.56

105	10	-0.809896	211.01	-1117.66
106	10	-0.802956	211.655	-1125.69
107	10	-0.796056	212.288	-1133.65
108	10	-0.789191	212.911	-1141.54
109	10	-0.782366	213.523	-1149.36
110	10	-0.775574	214.125	-1157.12
111	10	-0.768821	214.716	-1164.81
112	10	-0.7621	215.297	-1172.43
113	10	-0.755415	215.867	-1179.98
114	10	-0.748762	216.428	-1187.47
115	10	-0.742143	216.979	-1194.89
116	10	-0.735557	217.52	-1202.25
117	10	-0.729003	218.051	-1209.54
118	10	-0.722479	218.573	-1216.76
119	10	-0.715986	219.086	-1223.92
120	10	-0.709522	219.589	-1231.02
121	10	-0.703089	220.084	-1238.05
122	10	-0.696684	220.569	-1245.01
123	10	-0.690309	221.046	-1251.92
124	10	-0.68396	221.513	-1258.76
125	10	-0.677639	221.973	-1265.53
126	10	-0.671346	222.423	-1272.25
127	10	-0.665079	222.866	-1278.9
128	10	-0.658838	223.3	-1285.48
129	10	-0.652622	223.726	-1292.01
130	10	-0.646431	224.144	-1298.47
131	10	-0.640266	224.553	-1304.88
132	10	-0.634124	224.956	-1311.22
133	10	-0.628006	225.35	-1317.5
134	10	-0.621911	225.737	-1323.72
135	10	-0.615839	226.116	-1329.88
136	10	-0.609791	226.488	-1335.97
137	10	-0.603765	226.852	-1342.01
138	10	-0.597761	227.21	-1347.99
139	10	-0.591776	227.56	-1353.91
140	10	-0.585815	227.903	-1359.77
141	10	-0.579873	228.239	-1365.56
142	10	-0.573953	228.569	-1371.3
143	10	-0.568052	228.891	-1376.98
144	10	-0.56217	229.207	-1382.61
145	10	-0.556308	229.517	-1388.17
146	10	-0.550465	229.82	-1393.67
147	10	-0.544642	230.117	-1399.12
148	10	-0.538836	230.407	-1404.51
149	10	-0.533048	230.691	-1409.84
150	10	-0.52728	230.969	-1415.11
151	10	-0.521527	231.241	-1420.33
152	10	-0.515791	231.507	-1425.48
153	10	-0.510074	231.767	-1430.59
154	10	-0.504372	232.022	-1435.63
155	10	-0.498687	232.27	-1440.62
156	10	-0.493018	232.513	-1445.55
157	10	-0.487364	232.751	-1450.42
158	10	-0.481728	232.983	-1455.24
159	10	-0.476105	233.21	-1460
160	10	-0.470498	233.431	-1464.7
161	10	-0.464904	233.647	-1469.35

162	10	-0.459327	233.858	-1473.95
163	10	-0.453763	234.064	-1478.48
164	10	-0.448213	234.265	-1482.97
165	10	-0.442676	234.461	-1487.39
166	10	-0.437153	234.652	-1491.76
167	10	-0.431644	234.838	-1496.08
168	10	-0.426148	235.02	-1500.34
169	10	-0.420664	235.197	-1504.55
170	10	-0.415193	235.369	-1508.7
171	10	-0.409735	235.537	-1512.8
172	10	-0.40429	235.701	-1516.84
173	10	-0.398855	235.86	-1520.83
174	10	-0.393433	236.015	-1524.76
175	10	-0.388022	236.165	-1528.64
176	10	-0.382622	236.311	-1532.47
177	10	-0.377233	236.454	-1536.24
178	10	-0.371856	236.592	-1539.96
179	10	-0.36649	236.726	-1543.63
180	10	-0.361133	236.857	-1547.24
181	10	-0.355788	236.983	-1550.79
182	10	-0.350451	237.106	-1554.3
183	10	-0.345126	237.225	-1557.75
184	10	-0.33981	237.341	-1561.15
185	10	-0.334503	237.453	-1564.49
186	10	-0.329206	237.561	-1567.79
187	10	-0.323919	237.666	-1571.03
188	10	-0.318639	237.768	-1574.21
189	10	-0.31337	237.866	-1577.35
190	10	-0.308108	237.961	-1580.43
191	10	-0.302855	238.052	-1583.45
192	10	-0.297612	238.141	-1586.43
193	10	-0.292375	238.226	-1589.35
194	10	-0.287147	238.309	-1592.23
195	10	-0.281926	238.388	-1595.05
196	10	-0.276714	238.465	-1597.81
197	10	-0.271509	238.539	-1600.53
198	10	-0.266311	238.61	-1603.19
199	10	-0.26112	238.678	-1605.8
200	10	-0.255936	238.743	-1608.36
201	10	-0.250759	238.806	-1610.87
202	10	-0.24559	238.866	-1613.32
203	10	-0.240426	238.924	-1615.73
204	10	-0.235269	238.98	-1618.08
205	10	-0.230118	239.033	-1620.38
206	10	-0.224974	239.083	-1622.63
207	10	-0.219834	239.132	-1624.83
208	10	-0.214702	239.178	-1626.98
209	10	-0.209575	239.222	-1629.07
210	10	-0.204452	239.263	-1631.12
211	10	-0.199336	239.303	-1633.11
212	10	-0.194225	239.341	-1635.05
213	10	-0.189118	239.377	-1636.95
214	10	-0.184017	239.41	-1638.79
215	10	-0.17892	239.442	-1640.57
216	10	-0.173829	239.473	-1642.31
217	10	-0.168741	239.501	-1644
218	10	-0.163659	239.528	-1645.64

219	10	-0.158579	239.553	-1647.22
220	10	-0.153505	239.577	-1648.76
221	10	-0.148434	239.599	-1650.24
222	10	-0.143367	239.619	-1651.68
223	10	-0.138305	239.638	-1653.06
224	10	-0.133244	239.656	-1654.39
225	10	-0.128189	239.673	-1655.67
226	10	-0.123135	239.688	-1656.9
227	10	-0.118085	239.702	-1658.09
228	10	-0.113039	239.714	-1659.22
229	10	-0.107995	239.726	-1660.3
230	10	-0.102953	239.737	-1661.32
231	10	-0.0979139	239.746	-1662.3
232	10	-0.0928787	239.755	-1663.23
233	10	-0.0878447	239.763	-1664.11
234	10	-0.0828129	239.769	-1664.94
235	10	-0.0777834	239.775	-1665.72
236	10	-0.0727562	239.781	-1666.44
237	10	-0.0677301	239.785	-1667.12
238	10	-0.0627062	239.789	-1667.75
239	10	-0.0576847	239.793	-1668.33
240	10	-0.0526632	239.795	-1668.85
241	10	-0.0476439	239.798	-1669.33
242	10	-0.0426257	239.799	-1669.76
243	10	-0.0376076	239.801	-1670.13
244	10	-0.0325917	239.802	-1670.46
245	10	-0.0275759	239.803	-1670.73
246	10	-0.0225612	239.803	-1670.96
247	10	-0.0175476	239.804	-1671.13
248	10	-0.0125328	239.804	-1671.26
249	10	-0.00751925	239.804	-1671.33
250	10	-0.0025068	239.804	-1671.36
251	10	0.0025068	239.804	-1671.33
252	10	0.00751925	239.804	-1671.26
253	10	0.0125328	239.804	-1671.13
254	10	0.0175476	239.804	-1670.96
255	10	0.0225612	239.805	-1670.73
256	10	0.0275759	239.806	-1670.46
257	10	0.0325917	239.807	-1670.13
258	10	0.0376076	239.808	-1669.76
259	10	0.0426257	239.81	-1669.33
260	10	0.0476439	239.812	-1668.85
261	10	0.0526632	239.815	-1668.33
262	10	0.0576847	239.818	-1667.75
263	10	0.0627062	239.822	-1667.12
264	10	0.0677301	239.827	-1666.44
265	10	0.0727562	239.832	-1665.72
266	10	0.0777834	239.838	-1664.94
267	10	0.0828129	239.845	-1664.11
268	10	0.0878447	239.853	-1663.23
269	10	0.0928787	239.861	-1662.3
270	10	0.0979139	239.871	-1661.32
271	10	0.102953	239.881	-1660.3
272	10	0.107995	239.893	-1659.22
273	10	0.113039	239.906	-1658.09
274	10	0.118085	239.92	-1656.9
275	10	0.123135	239.935	-1655.67

276	10	0.128189	239.951	-1654.39
277	10	0.133244	239.969	-1653.06
278	10	0.138305	239.988	-1651.68
279	10	0.143367	240.009	-1650.24
280	10	0.148434	240.031	-1648.76
281	10	0.153505	240.054	-1647.22
282	10	0.158579	240.08	-1645.64
283	10	0.163659	240.106	-1644
284	10	0.168741	240.135	-1642.31
285	10	0.173829	240.165	-1640.57
286	10	0.17892	240.197	-1638.79
287	10	0.184017	240.231	-1636.95
288	10	0.189118	240.267	-1635.05
289	10	0.194225	240.304	-1633.11
290	10	0.199336	240.344	-1631.12
291	10	0.204452	240.386	-1629.07
292	10	0.209575	240.43	-1626.98
293	10	0.214702	240.476	-1624.83
294	10	0.219834	240.524	-1622.63
295	10	0.224974	240.575	-1620.38
296	10	0.230118	240.628	-1618.08
297	10	0.235269	240.683	-1615.73
298	10	0.240426	240.741	-1613.32
299	10	0.24559	240.801	-1610.87
300	10	0.250759	240.864	-1608.36
301	10	0.255936	240.93	-1605.8
302	10	0.26112	240.998	-1603.19
303	10	0.266311	241.069	-1600.53
304	10	0.271509	241.143	-1597.81
305	10	0.276714	241.219	-1595.05
306	10	0.281926	241.299	-1592.23
307	10	0.287147	241.381	-1589.35
308	10	0.292375	241.467	-1586.43
309	10	0.297612	241.555	-1583.45
310	10	0.302855	241.647	-1580.43
311	10	0.308108	241.742	-1577.35
312	10	0.31337	241.84	-1574.21
313	10	0.318639	241.942	-1571.03
314	10	0.323919	242.046	-1567.79
315	10	0.329206	242.155	-1564.49
316	10	0.334503	242.267	-1561.15
317	10	0.33981	242.382	-1557.75
318	10	0.345126	242.501	-1554.3
319	10	0.350451	242.624	-1550.79
320	10	0.355788	242.751	-1547.24
321	10	0.361133	242.881	-1543.63
322	10	0.36649	243.015	-1539.96
323	10	0.371856	243.154	-1536.24
324	10	0.377233	243.296	-1532.47
325	10	0.382622	243.442	-1528.64
326	10.9	0.388022	243.593	-1524.41
327	11	0.393433	243.748	-1520.09
328	11	0.398855	243.907	-1515.7
329	11	0.40429	244.07	-1511.25
330	11	0.409735	244.238	-1506.74
331	11	0.415193	244.411	-1502.18
332	11	0.420664	244.588	-1497.55

333	11	0.426148	244.769	-1492.86
334	11	0.431644	244.955	-1488.11
335	11	0.437153	245.147	-1483.31
336	11	0.442676	245.343	-1478.44
337	11.2	0.448213	245.543	-1473.42
338	12	0.453763	245.749	-1467.97
339	12	0.459327	245.96	-1462.46
340	12	0.464904	246.176	-1456.88
341	12	0.470498	246.398	-1451.23
342	12.3	0.476105	246.624	-1445.38
343	12.5	0.481728	246.857	-1439.36
344	12.5	0.487364	247.094	-1433.26
345	12.8	0.493018	247.337	-1426.95
346	13	0.498687	247.586	-1420.47
347	13	0.504372	247.84	-1413.91
348	13	0.510074	248.1	-1407.28
349	13	0.515791	248.366	-1400.58
350	13	0.521527	248.638	-1393.8
351	13	0.52728	248.916	-1386.94
352	13	0.533048	249.201	-1380.01
353	13	0.538836	249.491	-1373.01
354	13	0.544642	249.788	-1365.93
355	14	0.550465	250.091	-1358.22
356	14	0.556308	250.4	-1350.43
357	14.7	0.56217	250.716	-1342.17
358	15	0.568052	251.039	-1333.65
359	15	0.573953	251.368	-1325.04
360	15	0.579873	251.704	-1316.34
361	15.1	0.585815	252.048	-1307.5
362	15.2	0.591776	252.398	-1298.5
363	15.8	0.597761	252.755	-1289.06
364	16	0.603765	253.12	-1279.4
365	16.1	0.609791	253.492	-1269.58
366	16.3	0.615839	253.871	-1259.54
367	16.4	0.621911	254.258	-1249.34
368	16.5	0.628006	254.652	-1238.98
369	16.5	0.634124	255.054	-1228.52
370	17	0.640266	255.464	-1217.63
371	17	0.646431	255.882	-1206.64
372	18	0.652622	256.308	-1194.9
373	18	0.658838	256.742	-1183.04
374	18	0.665079	257.184	-1171.06
375	18	0.671346	257.635	-1158.98
376	19	0.677639	258.094	-1146.11
377	19	0.68396	258.562	-1133.11
378	19	0.690309	259.038	-1119.99
379	19	0.696684	259.524	-1106.76
380	20	0.703089	260.018	-1092.7
381	20	0.709522	260.522	-1078.5
382	20	0.715986	261.034	-1064.19
383	20.1	0.722479	261.556	-1049.66
384	21.2	0.729003	262.088	-1034.21
385	21.6	0.735557	262.629	-1018.32
386	22.4	0.742143	263.179	-1001.7
387	22.4	0.748762	263.74	-984.924
388	23	0.755415	264.311	-967.55
389	23	0.7621	264.892	-950.021

390	23	0.768821	265.483	-932.338
391	23	0.775574	266.084	-914.5
392	23.2	0.782366	266.696	-896.349
393	24	0.789191	267.319	-877.409
394	24	0.796056	267.953	-858.303
395	24	0.802956	268.597	-839.032
396	24.5	0.809896	269.253	-819.19
397	25	0.816874	269.921	-798.768
398	25	0.823893	270.599	-778.171
399	25	0.830953	271.29	-757.397
400	25.1	0.838054	271.992	-736.362
401	25.2	0.845198	272.707	-715.063
402	25.8	0.852385	273.433	-693.071
403	26	0.859618	274.172	-670.721
404	26	0.866894	274.924	-648.182
405	26.4	0.874218	275.688	-625.103
406	27	0.881587	276.465	-601.3
407	27.7	0.889006	277.255	-576.674
408	28	0.896473	278.059	-551.573
409	28	0.903992	278.876	-526.261
410	28	0.911562	279.707	-500.738
411	28.1	0.919183	280.552	-474.908
412	28.1	0.926859	281.411	-448.864
413	28.8	0.93459	282.285	-421.948
414	29	0.942375	283.173	-394.619
415	29	0.950222	284.076	-367.062
416	29	0.958125	284.994	-339.277
417	29	0.966088	285.927	-311.26
418	29	0.974114	286.876	-283.011
419	30	0.982202	287.841	-253.545
420	30.1	0.990356	288.821	-223.735
421	31	0.998575	289.819	-192.779
422	31	1.00687	290.832	-161.566
423	31.8	1.01522	291.863	-129.282
424	32	1.02365	292.911	-96.5254
425	32	1.03215	293.976	-63.4965
426	32	1.04073	295.059	-30.193
427	32.3	1.04939	296.161	3.70213
428	33	1.05812	297.28	38.6202
429	33	1.06694	298.419	73.8291
430	33	1.07584	299.576	109.332
431	33	1.08482	300.753	145.131
432	33	1.0939	301.949	181.229
433	34	1.10306	303.166	218.734
434	34	1.11232	304.403	256.552
435	34	1.12168	305.662	294.69
436	34	1.13113	306.941	333.148
437	34.4	1.14069	308.242	372.388
438	34.5	1.15035	309.566	412.075
439	35	1.16012	310.911	452.679
440	35.7	1.17	312.28	494.448
441	35.7	1.18	313.673	536.574
442	35.8	1.19012	315.089	579.18
443	36	1.20036	316.53	622.393
444	36	1.21073	317.996	665.979
445	36	1.22123	319.487	709.944
446	36.5	1.23187	321.005	754.907

447	37	1.24264	322.549	800.885
448	37	1.25357	324.12	847.266
449	38.2	1.26464	325.72	895.576
450	39	1.27588	327.347	945.335
451	39	1.28727	329.005	995.539
452	40	1.29884	330.692	1047.49
453	40	1.31058	332.409	1099.92
454	40.5	1.32251	334.158	1153.48
455	41	1.33462	335.939	1208.2
456	41.8	1.34694	337.754	1264.5
457	41.8	1.35946	339.602	1321.32
458	42.4	1.3722	341.485	1379.51
459	42.7	1.38517	343.403	1438.65
460	45	1.39838	345.359	1501.58
461	46	1.41183	347.352	1566.52
462	46	1.42554	349.384	1632.1
463	46	1.43953	351.457	1698.32
464	47	1.4538	353.57	1766.65
465	47	1.46838	355.726	1835.66
466	48	1.48328	357.926	1906.86
467	48	1.49852	360.172	1978.79
468	49	1.5141	362.464	2052.98
469	49.2	1.53007	364.806	2128.26
470	50	1.54643	367.197	2205.58
471	50	1.56322	369.641	2283.74
472	50.5	1.58047	372.139	2363.55
473	50.5	1.59819	374.693	2444.26
474	51	1.61644	377.306	2526.7
475	51.4	1.63524	379.98	2610.75
476	52	1.65463	382.717	2696.79
477	55	1.67466	385.522	2788.9
478	56	1.6954	388.396	2883.84
479	60	1.71688	391.344	2986.85
480	61	1.7392	394.369	3092.94
481	61	1.76241	397.475	3200.45
482	62	1.78661	400.667	3311.22
483	63	1.81191	403.95	3425.37
484	65	1.83843	407.33	3544.87
485	66	1.86629	410.813	3668.04
486	69	1.8957	414.406	3798.85
487	70	1.92684	418.119	3933.73
488	71	1.95996	421.961	4072.88
489	71	1.99539	425.942	4214.56
490	72	2.03352	430.077	4360.97
491	72.3	2.07485	434.382	4510.98
492	74	2.12007	438.877	4667.87
493	81	2.17009	443.586	4843.64
494	83	2.22621	448.542	5028.42
495	84	2.29036	453.788	5220.81
496	92.5	2.36561	459.384	5439.63
497	93	2.45727	465.422	5668.15
498	97	2.57583	472.057	5918.01
499	129	2.74777	479.608	6272.47
500	160	0	479.608	6272.47

Data Set Standard Deviation = 17.6758

Numerator = 3.93439e+007
Denominator = 7.47734e+007
W Statistic = 0.526175 = 3.93439e+007 / 7.47734e+007

5% Critical value of 0.976 exceeds 0.526175
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.526175
Evidence of non-normality at 99% level of significance

Shapiro-Francia Test of Normality

Parameter: Copper
All Locations
Normality Test of Parameter Concentrations
Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit
Total Number of Measurements = 500

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	0.6	0	0	0
2	0.6	-2.74777	7.55021	-1.64866
3	0.7	-2.57583	14.1851	-3.45174
4	1.2	-2.45727	20.2233	-6.40047
5	1.31	-2.36561	25.8195	-9.49942
6	1.67	-2.29036	31.0652	-13.3243
7	1.7	-2.22621	36.0212	-17.1089
8	1.76	-2.17009	40.7305	-20.9282
9	1.79	-2.12007	45.2252	-24.7232
10	1.8	-2.07485	49.5302	-28.4579
11	1.81	-2.03352	53.6654	-32.1386
12	1.88	-1.99539	57.647	-35.8899
13	1.95	-1.95996	61.4884	-39.7118
14	2	-1.92684	65.2012	-43.5655
15	2	-1.8957	68.7948	-47.3569
16	2.03	-1.86629	72.2779	-51.1455
17	2.17	-1.83843	75.6577	-55.1349
18	2.31	-1.81191	78.9407	-59.3204
19	2.46	-1.78661	82.1327	-63.7154
20	2.5	-1.76241	85.2388	-68.1215
21	2.69	-1.7392	88.2636	-72.7999
22	2.8	-1.71688	91.2113	-77.6072
23	2.89	-1.6954	94.0857	-82.5069
24	2.9	-1.67466	96.8901	-87.3634
25	3.3	-1.65463	99.6279	-92.8237
26	3.4	-1.63524	102.302	-98.3835
27	3.42	-1.61644	104.915	-103.912
28	3.86	-1.59819	107.469	-110.081
29	3.91	-1.58047	109.967	-116.26
30	4	-1.56322	112.411	-122.513
31	4	-1.54643	114.802	-128.699
32	4.05	-1.53007	117.143	-134.896
33	4.1	-1.5141	119.436	-141.104
34	4.4	-1.49852	121.681	-147.697
35	4.76	-1.48328	123.881	-154.757
36	5	-1.46838	126.037	-162.099
37	5	-1.4538	128.151	-169.368
38	5.3	-1.43953	130.223	-176.998
39	6	-1.42554	132.255	-185.551
40	7	-1.41183	134.249	-195.434
41	7	-1.39838	136.204	-205.223
42	7	-1.38517	138.123	-214.919
43	7.7	-1.3722	140.006	-225.485
44	8	-1.35946	141.854	-236.36
45	9	-1.34694	143.668	-248.483
46	9	-1.33462	145.449	-260.495
47	10	-1.32251	147.198	-273.72

48	12	-1.31058	148.916	-289.447
49	13	-1.29884	150.603	-306.331
50	13.9	-1.28727	152.26	-324.224
51	15.4	-1.27588	153.888	-343.873
52	17.3	-1.26464	155.487	-365.751
53	18	-1.25357	157.059	-388.315
54	19	-1.24264	158.603	-411.926
55	20.8	-1.23187	160.12	-437.548
56	21	-1.22123	161.612	-463.194
57	23	-1.21073	163.078	-491.041
58	25.4	-1.20036	164.518	-521.53
59	34	-1.19012	165.935	-561.994
60	34	-1.18	167.327	-602.114
61	36	-1.17	168.696	-644.234
62	43.2	-1.16012	170.042	-694.351
63	44	-1.15035	171.365	-744.967
64	55	-1.14069	172.666	-807.705
65	55	-1.13113	173.946	-869.917
66	56	-1.12168	175.204	-932.731
67	56.3	-1.11232	176.441	-995.355
68	58.5	-1.10306	177.658	-1059.88
69	72	-1.0939	178.855	-1138.64
70	72	-1.08482	180.032	-1216.75
71	114	-1.07584	181.189	-1339.4
72	142	-1.06694	182.327	-1490.9
73	143	-1.05812	183.447	-1642.21
74	200	-1.04939	184.548	-1852.09
75	200	-1.04073	185.631	-2060.24
76	200	-1.03215	186.697	-2266.67
77	200	-1.02365	187.744	-2471.4
78	200	-1.01522	188.775	-2674.44
79	200	-1.00687	189.789	-2875.82
80	200	-0.998575	190.786	-3075.53
81	200	-0.990356	191.767	-3273.6
82	200	-0.982202	192.732	-3470.04
83	200	-0.974114	193.681	-3664.87
84	200	-0.966088	194.614	-3858.08
85	200	-0.958125	195.532	-4049.71
86	200	-0.950222	196.435	-4239.75
87	200	-0.942375	197.323	-4428.23
88	200	-0.93459	198.196	-4615.15
89	200	-0.926859	199.055	-4800.52
90	200	-0.919183	199.9	-4984.35
91	200	-0.911562	200.731	-5166.67
92	200	-0.903992	201.548	-5347.46
93	200	-0.896473	202.352	-5526.76
94	200	-0.889006	203.142	-5704.56
95	200	-0.881587	203.92	-5880.88
96	200	-0.874218	204.684	-6055.72
97	200	-0.866894	205.435	-6229.1
98	200	-0.859618	206.174	-6401.02
99	200	-0.852385	206.901	-6571.5
100	200	-0.845198	207.615	-6740.54
101	200	-0.838054	208.318	-6908.15
102	200	-0.830953	209.008	-7074.34
103	200	-0.823893	209.687	-7239.12
104	200	-0.816874	210.354	-7402.49

105	200	-0.809896	211.01	-7564.47
106	200	-0.802956	211.655	-7725.07
107	200	-0.796056	212.288	-7884.28
108	200	-0.789191	212.911	-8042.11
109	200	-0.782366	213.523	-8198.59
110	200	-0.775574	214.125	-8353.7
111	200	-0.768821	214.716	-8507.47
112	200	-0.7621	215.297	-8659.89
113	200	-0.755415	215.867	-8810.97
114	200	-0.748762	216.428	-8960.72
115	200	-0.742143	216.979	-9109.15
116	200	-0.735557	217.52	-9256.26
117	200	-0.729003	218.051	-9402.06
118	200	-0.722479	218.573	-9546.56
119	200	-0.715986	219.086	-9689.76
120	200	-0.709522	219.589	-9831.66
121	200	-0.703089	220.084	-9972.28
122	200	-0.696684	220.569	-10111.6
123	200	-0.690309	221.046	-10249.7
124	200	-0.68396	221.513	-10386.5
125	200	-0.677639	221.973	-10522
126	200	-0.671346	222.423	-10656.3
127	200	-0.665079	222.866	-10789.3
128	200	-0.658838	223.3	-10921
129	200	-0.652622	223.726	-11051.6
130	200	-0.646431	224.144	-11180.9
131	200	-0.640266	224.553	-11308.9
132	200	-0.634124	224.956	-11435.7
133	200	-0.628006	225.35	-11561.3
134	200	-0.621911	225.737	-11685.7
135	200	-0.615839	226.116	-11808.9
136	200	-0.609791	226.488	-11930.8
137	200	-0.603765	226.852	-12051.6
138	200	-0.597761	227.21	-12171.2
139	200	-0.591776	227.56	-12289.5
140	200	-0.585815	227.903	-12406.7
141	200	-0.579873	228.239	-12522.6
142	200	-0.573953	228.569	-12637.4
143	200	-0.568052	228.891	-12751
144	200	-0.56217	229.207	-12863.5
145	200	-0.556308	229.517	-12974.7
146	200	-0.550465	229.82	-13084.8
147	200	-0.544642	230.117	-13193.8
148	200	-0.538836	230.407	-13301.5
149	200	-0.533048	230.691	-13408.1
150	200	-0.52728	230.969	-13513.6
151	200	-0.521527	231.241	-13617.9
152	200	-0.515791	231.507	-13721.1
153	200	-0.510074	231.767	-13823.1
154	200	-0.504372	232.022	-13923.9
155	200	-0.498687	232.27	-14023.7
156	200	-0.493018	232.513	-14122.3
157	200	-0.487364	232.751	-14219.8
158	200	-0.481728	232.983	-14316.1
159	200	-0.476105	233.21	-14411.3
160	200	-0.470498	233.431	-14505.4
161	200	-0.464904	233.647	-14598.4

162	200	-0.459327	233.858	-14690.3
163	200	-0.453763	234.064	-14781
164	200	-0.448213	234.265	-14870.7
165	200	-0.442676	234.461	-14959.2
166	200	-0.437153	234.652	-15046.6
167	200	-0.431644	234.838	-15133
168	200	-0.426148	235.02	-15218.2
169	200	-0.420664	235.197	-15302.3
170	200	-0.415193	235.369	-15385.4
171	200	-0.409735	235.537	-15467.3
172	200	-0.40429	235.701	-15548.2
173	200	-0.398855	235.86	-15627.9
174	200	-0.393433	236.015	-15706.6
175	200	-0.388022	236.165	-15784.2
176	200	-0.382622	236.311	-15860.8
177	200	-0.377233	236.454	-15936.2
178	200	-0.371856	236.592	-16010.6
179	200	-0.36649	236.726	-16083.9
180	200	-0.361133	236.857	-16156.1
181	200	-0.355788	236.983	-16227.3
182	200	-0.350451	237.106	-16297.3
183	200	-0.345126	237.225	-16366.4
184	200	-0.33981	237.341	-16434.3
185	200	-0.334503	237.453	-16501.2
186	200	-0.329206	237.561	-16567.1
187	200	-0.323919	237.666	-16631.9
188	200	-0.318639	237.768	-16695.6
189	200	-0.31337	237.866	-16758.3
190	200	-0.308108	237.961	-16819.9
191	200	-0.302855	238.052	-16880.5
192	200	-0.297612	238.141	-16940
193	200	-0.292375	238.226	-16998.5
194	200	-0.287147	238.309	-17055.9
195	200	-0.281926	238.388	-17112.3
196	200	-0.276714	238.465	-17167.6
197	200	-0.271509	238.539	-17221.9
198	200	-0.266311	238.61	-17275.2
199	200	-0.26112	238.678	-17327.4
200	200	-0.255936	238.743	-17378.6
201	200	-0.250759	238.806	-17428.7
202	200	-0.24559	238.866	-17477.9
203	200	-0.240426	238.924	-17525.9
204	200	-0.235269	238.98	-17573
205	200	-0.230118	239.033	-17619
206	200	-0.224974	239.083	-17664
207	200	-0.219834	239.132	-17708
208	200	-0.214702	239.178	-17750.9
209	200	-0.209575	239.222	-17792.8
210	200	-0.204452	239.263	-17833.7
211	200	-0.199336	239.303	-17873.6
212	200	-0.194225	239.341	-17912.4
213	200	-0.189118	239.377	-17950.3
214	200	-0.184017	239.41	-17987.1
215	200	-0.17892	239.442	-18022.8
216	200	-0.173829	239.473	-18057.6
217	200	-0.168741	239.501	-18091.4
218	200	-0.163659	239.528	-18124.1

219	200	-0.158579	239.553	-18155.8
220	200	-0.153505	239.577	-18186.5
221	200	-0.148434	239.599	-18216.2
222	200	-0.143367	239.619	-18244.9
223	200	-0.138305	239.638	-18272.5
224	200	-0.133244	239.656	-18299.2
225	200	-0.128189	239.673	-18324.8
226	200	-0.123135	239.688	-18349.4
227	200	-0.118085	239.702	-18373.1
228	200	-0.113039	239.714	-18395.7
229	200	-0.107995	239.726	-18417.3
230	200	-0.102953	239.737	-18437.9
231	200	-0.0979139	239.746	-18457.4
232	200	-0.0928787	239.755	-18476
233	200	-0.0878447	239.763	-18493.6
234	200	-0.0828129	239.769	-18510.1
235	200	-0.0777834	239.775	-18525.7
236	200	-0.0727562	239.781	-18540.3
237	200	-0.0677301	239.785	-18553.8
238	200	-0.0627062	239.789	-18566.3
239	200	-0.0576847	239.793	-18577.9
240	200	-0.0526632	239.795	-18588.4
241	200	-0.0476439	239.798	-18597.9
242	200	-0.0426257	239.799	-18606.5
243	200	-0.0376076	239.801	-18614
244	200	-0.0325917	239.802	-18620.5
245	200	-0.0275759	239.803	-18626
246	200	-0.0225612	239.803	-18630.5
247	200	-0.0175476	239.804	-18634
248	200	-0.0125328	239.804	-18636.6
249	200	-0.00751925	239.804	-18638.1
250	200	-0.0025068	239.804	-18638.6
251	200	0.0025068	239.804	-18638.1
252	200	0.00751925	239.804	-18636.6
253	200	0.0125328	239.804	-18634
254	200	0.0175476	239.804	-18630.5
255	200	0.0225612	239.805	-18626
256	200	0.0275759	239.806	-18620.5
257	200	0.0325917	239.807	-18614
258	200	0.0376076	239.808	-18606.5
259	200	0.0426257	239.81	-18597.9
260	200	0.0476439	239.812	-18588.4
261	200	0.0526632	239.815	-18577.9
262	200	0.0576847	239.818	-18566.3
263	200	0.0627062	239.822	-18553.8
264	200	0.0677301	239.827	-18540.3
265	200	0.0727562	239.832	-18525.7
266	200	0.0777834	239.838	-18510.1
267	200	0.0828129	239.845	-18493.6
268	200	0.0878447	239.853	-18476
269	200	0.0928787	239.861	-18457.4
270	200	0.0979139	239.871	-18437.9
271	200	0.102953	239.881	-18417.3
272	200	0.107995	239.893	-18395.7
273	200	0.113039	239.906	-18373.1
274	200	0.118085	239.92	-18349.4
275	200	0.123135	239.935	-18324.8

276	200	0.128189	239.951	-18299.2
277	200	0.133244	239.969	-18272.5
278	200	0.138305	239.988	-18244.9
279	200	0.143367	240.009	-18216.2
280	200	0.148434	240.031	-18186.5
281	200	0.153505	240.054	-18155.8
282	200	0.158579	240.08	-18124.1
283	200	0.163659	240.106	-18091.4
284	200	0.168741	240.135	-18057.6
285	200	0.173829	240.165	-18022.8
286	200	0.17892	240.197	-17987.1
287	200	0.184017	240.231	-17950.3
288	200	0.189118	240.267	-17912.4
289	200	0.194225	240.304	-17873.6
290	200	0.199336	240.344	-17833.7
291	200	0.204452	240.386	-17792.8
292	200	0.209575	240.43	-17750.9
293	200	0.214702	240.476	-17708
294	200	0.219834	240.524	-17664
295	200	0.224974	240.575	-17619
296	200	0.230118	240.628	-17573
297	200	0.235269	240.683	-17525.9
298	200	0.240426	240.741	-17477.9
299	200	0.24559	240.801	-17428.7
300	200	0.250759	240.864	-17378.6
301	200	0.255936	240.93	-17327.4
302	200	0.26112	240.998	-17275.2
303	200	0.266311	241.069	-17221.9
304	200	0.271509	241.143	-17167.6
305	200	0.276714	241.219	-17112.3
306	200	0.281926	241.299	-17055.9
307	200	0.287147	241.381	-16998.5
308	200	0.292375	241.467	-16940
309	200	0.297612	241.555	-16880.5
310	200	0.302855	241.647	-16819.9
311	200	0.308108	241.742	-16758.3
312	200	0.31337	241.84	-16695.6
313	200	0.318639	241.942	-16631.9
314	200	0.323919	242.046	-16567.1
315	200	0.329206	242.155	-16501.2
316	200	0.334503	242.267	-16434.3
317	200	0.33981	242.382	-16366.4
318	200	0.345126	242.501	-16297.3
319	200	0.350451	242.624	-16227.3
320	200	0.355788	242.751	-16156.1
321	200	0.361133	242.881	-16083.9
322	200	0.36649	243.015	-16010.6
323	200	0.371856	243.154	-15936.2
324	200	0.377233	243.296	-15860.8
325	200	0.382622	243.442	-15784.2
326	200	0.388022	243.593	-15706.6
327	200	0.393433	243.748	-15627.9
328	200	0.398855	243.907	-15548.2
329	200	0.40429	244.07	-15467.3
330	200	0.409735	244.238	-15385.4
331	200	0.415193	244.411	-15302.3
332	200	0.420664	244.588	-15218.2

333	200	0.426148	244.769	-15133
334	200	0.431644	244.955	-15046.6
335	200	0.437153	245.147	-14959.2
336	200	0.442676	245.343	-14870.7
337	200	0.448213	245.543	-14781
338	200	0.453763	245.749	-14690.3
339	200	0.459327	245.96	-14598.4
340	200	0.464904	246.176	-14505.4
341	200	0.470498	246.398	-14411.3
342	200	0.476105	246.624	-14316.1
343	200	0.481728	246.857	-14219.8
344	200	0.487364	247.094	-14122.3
345	200	0.493018	247.337	-14023.7
346	200	0.498687	247.586	-13923.9
347	200	0.504372	247.84	-13823.1
348	200	0.510074	248.1	-13721.1
349	200	0.515791	248.366	-13617.9
350	200	0.521527	248.638	-13513.6
351	200	0.52728	248.916	-13408.1
352	200	0.533048	249.201	-13301.5
353	200	0.538836	249.491	-13193.8
354	200	0.544642	249.788	-13084.8
355	200	0.550465	250.091	-12974.7
356	200	0.556308	250.4	-12863.5
357	200	0.56217	250.716	-12751
358	200	0.568052	251.039	-12637.4
359	200	0.573953	251.368	-12522.6
360	200	0.579873	251.704	-12406.7
361	200	0.585815	252.048	-12289.5
362	200	0.591776	252.398	-12171.2
363	200	0.597761	252.755	-12051.6
364	200	0.603765	253.12	-11930.8
365	200	0.609791	253.492	-11808.9
366	200	0.615839	253.871	-11685.7
367	200	0.621911	254.258	-11561.3
368	200	0.628006	254.652	-11435.7
369	200	0.634124	255.054	-11308.9
370	200	0.640266	255.464	-11180.9
371	200	0.646431	255.882	-11051.6
372	200	0.652622	256.308	-10921
373	200	0.658838	256.742	-10789.3
374	200	0.665079	257.184	-10656.3
375	200	0.671346	257.635	-10522
376	200	0.677639	258.094	-10386.5
377	200	0.68396	258.562	-10249.7
378	200	0.690309	259.038	-10111.6
379	200	0.696684	259.524	-9972.28
380	200	0.703089	260.018	-9831.66
381	200	0.709522	260.522	-9689.76
382	200	0.715986	261.034	-9546.56
383	200	0.722479	261.556	-9402.06
384	200	0.729003	262.088	-9256.26
385	200	0.735557	262.629	-9109.15
386	200	0.742143	263.179	-8960.72
387	200	0.748762	263.74	-8810.97
388	200	0.755415	264.311	-8659.89
389	200	0.7621	264.892	-8507.47

390	200	0.768821	265.483	-8353.7
391	200	0.775574	266.084	-8198.59
392	200	0.782366	266.696	-8042.11
393	200	0.789191	267.319	-7884.28
394	200	0.796056	267.953	-7725.07
395	200	0.802956	268.597	-7564.47
396	200	0.809896	269.253	-7402.49
397	200	0.816874	269.921	-7239.12
398	200	0.823893	270.599	-7074.34
399	200	0.830953	271.29	-6908.15
400	200	0.838054	271.992	-6740.54
401	200	0.845198	272.707	-6571.5
402	200	0.852385	273.433	-6401.02
403	200	0.859618	274.172	-6229.1
404	200	0.866894	274.924	-6055.72
405	200	0.874218	275.688	-5880.88
406	200	0.881587	276.465	-5704.56
407	200	0.889006	277.255	-5526.76
408	200	0.896473	278.059	-5347.46
409	200	0.903992	278.876	-5166.67
410	200	0.911562	279.707	-4984.35
411	200	0.919183	280.552	-4800.52
412	200	0.926859	281.411	-4615.15
413	200	0.93459	282.285	-4428.23
414	200	0.942375	283.173	-4239.75
415	200	0.950222	284.076	-4049.71
416	200	0.958125	284.994	-3858.08
417	200	0.966088	285.927	-3664.87
418	200	0.974114	286.876	-3470.04
419	200	0.982202	287.841	-3273.6
420	200	0.990356	288.821	-3075.53
421	200	0.998575	289.819	-2875.82
422	200	1.00687	290.832	-2674.44
423	200	1.01522	291.863	-2471.4
424	200	1.02365	292.911	-2266.67
425	200	1.03215	293.976	-2060.24
426	200	1.04073	295.059	-1852.09
427	200	1.04939	296.161	-1642.21
428	200	1.05812	297.28	-1430.59
429	200	1.06694	298.419	-1217.2
430	200	1.07584	299.576	-1002.03
431	200	1.08482	300.753	-785.07
432	200	1.0939	301.949	-566.29
433	200	1.10306	303.166	-345.678
434	200	1.11232	304.403	-123.214
435	200	1.12168	305.662	101.122
436	200	1.13113	306.941	327.348
437	200	1.14069	308.242	555.486
438	200	1.15035	309.566	785.556
439	200	1.16012	310.911	1017.58
440	200	1.17	312.28	1251.58
441	200	1.18	313.673	1487.58
442	200	1.19012	315.089	1725.6
443	200	1.20036	316.53	1965.68
444	200	1.21073	317.996	2207.82
445	200	1.22123	319.487	2452.07
446	200	1.23187	321.005	2698.44

447	200	1.24264	322.549	2946.97
448	200	1.25357	324.12	3197.68
449	200	1.26464	325.72	3450.61
450	200	1.27588	327.347	3705.79
451	200	1.28727	329.005	3963.24
452	200	1.29884	330.692	4223.01
453	200	1.31058	332.409	4485.12
454	200	1.32251	334.158	4749.62
455	200	1.33462	335.939	5016.55
456	200	1.34694	337.754	5285.94
457	200	1.35946	339.602	5557.83
458	200	1.3722	341.485	5832.27
459	200	1.38517	343.403	6109.3
460	200	1.39838	345.359	6388.98
461	200	1.41183	347.352	6671.35
462	200	1.42554	349.384	6956.45
463	200	1.43953	351.457	7244.36
464	200	1.4538	353.57	7535.12
465	200	1.46838	355.726	7828.8
466	200	1.48328	357.926	8125.45
467	200	1.49852	360.172	8425.16
468	200	1.5141	362.464	8727.98
469	200	1.53007	364.806	9033.99
470	200	1.54643	367.197	9343.28
471	200	1.56322	369.641	9655.92
472	200	1.58047	372.139	9972.02
473	200	1.59819	374.693	10291.7
474	200	1.61644	377.306	10614.9
475	200	1.63524	379.98	10942
476	200	1.65463	382.717	11272.9
477	200	1.67466	385.522	11607.8
478	200	1.6954	388.396	11946.9
479	200	1.71688	391.344	12290.3
480	200	1.7392	394.369	12638.1
481	200	1.76241	397.475	12990.6
482	200	1.78661	400.667	13347.9
483	200	1.81191	403.95	13710.3
484	200	1.83843	407.33	14078
485	200	1.86629	410.813	14451.3
486	200	1.8957	414.406	14830.4
487	200	1.92684	418.119	15215.8
488	220	1.95996	421.961	15647
489	252	1.99539	425.942	16149.8
490	253	2.03352	430.077	16664.3
491	253	2.07485	434.382	17189.2
492	280	2.12007	438.877	17782.8
493	310	2.17009	443.586	18455.6
494	310	2.22621	448.542	19145.7
495	350	2.29036	453.788	19947.3
496	360	2.36561	459.384	20798.9
497	378	2.45727	465.422	21727.8
498	440	2.57583	472.057	22861.2
499	620	2.74777	479.608	24564.8
500	870	0	479.608	24564.8

Data Set Standard Deviation = 77.7973

Numerator = 6.03428e+008
Denominator = 1.44849e+009
W Statistic = 0.416591 = 6.03428e+008 / 1.44849e+009

5% Critical value of 0.976 exceeds 0.416591
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.416591
Evidence of non-normality at 99% level of significance

Shapiro-Francia Test of Normality

Parameter: Selenium

All Locations

Normality Test of Parameter Concentrations

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 500

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	1.07	0	0	0
2	1.08	-2.74777	7.55021	-2.96759
3	1.1	-2.57583	14.1851	-5.801
4	1.31	-2.45727	20.2233	-9.02003
5	1.91	-2.36561	25.8195	-13.5384
6	2.09	-2.29036	31.0652	-18.3252
7	2.54	-2.22621	36.0212	-23.9798
8	2.57	-2.17009	40.7305	-29.5569
9	2.82	-2.12007	45.2252	-35.5355
10	3.19	-2.07485	49.5302	-42.1543
11	3.38	-2.03352	53.6654	-49.0276
12	3.4	-1.99539	57.647	-55.8119
13	3.63	-1.95996	61.4884	-62.9266
14	3.8	-1.92684	65.2012	-70.2486
15	4	-1.8957	68.7948	-77.8313
16	4.02	-1.86629	72.2779	-85.3338
17	4.18	-1.83843	75.6577	-93.0185
18	4.19	-1.81191	78.9407	-100.61
19	4.27	-1.78661	82.1327	-108.239
20	4.65	-1.76241	85.2388	-116.434
21	4.76	-1.7392	88.2636	-124.713
22	5.04	-1.71688	91.2113	-133.366
23	6	-1.6954	94.0857	-143.538
24	6.46	-1.67466	96.8901	-154.357
25	6.5	-1.65463	99.6279	-165.112
26	9.61	-1.63524	102.302	-180.826
27	10.2	-1.61644	104.915	-197.314
28	11.6	-1.59819	107.469	-215.853
29	16.1	-1.58047	109.967	-241.299
30	17	-1.56322	112.411	-267.873
31	17.3	-1.54643	114.802	-294.627
32	20	-1.53007	117.143	-325.228
33	20	-1.5141	119.436	-355.51
34	20	-1.49852	121.681	-385.48
35	20	-1.48328	123.881	-415.146
36	20	-1.46838	126.037	-444.514
37	20	-1.4538	128.151	-473.59
38	20	-1.43953	130.223	-502.38
39	20	-1.42554	132.255	-530.891
40	20	-1.41183	134.249	-559.128
41	20	-1.39838	136.204	-587.095
42	20	-1.38517	138.123	-614.799
43	20	-1.3722	140.006	-642.243
44	20	-1.35946	141.854	-669.432
45	20	-1.34694	143.668	-696.371
46	20	-1.33462	145.449	-723.063
47	20	-1.32251	147.198	-749.514

48	20	-1.31058	148.916	-775.725
49	20	-1.29884	150.603	-801.702
50	20	-1.28727	152.26	-827.447
51	20	-1.27588	153.888	-852.965
52	20	-1.26464	155.487	-878.258
53	20	-1.25357	157.059	-903.329
54	20	-1.24264	158.603	-928.182
55	20	-1.23187	160.12	-952.819
56	20	-1.22123	161.612	-977.244
57	20	-1.21073	163.078	-1001.46
58	20	-1.20036	164.518	-1025.47
59	20	-1.19012	165.935	-1049.27
60	20	-1.18	167.327	-1072.87
61	20	-1.17	168.696	-1096.27
62	20	-1.16012	170.042	-1119.47
63	20	-1.15035	171.365	-1142.48
64	20	-1.14069	172.666	-1165.29
65	20	-1.13113	173.946	-1187.91
66	20	-1.12168	175.204	-1210.35
67	20	-1.11232	176.441	-1232.59
68	20	-1.10306	177.658	-1254.65
69	20	-1.0939	178.855	-1276.53
70	20	-1.08482	180.032	-1298.23
71	20	-1.07584	181.189	-1319.75
72	20	-1.06694	182.327	-1341.08
73	20	-1.05812	183.447	-1362.25
74	20	-1.04939	184.548	-1383.23
75	20	-1.04073	185.631	-1404.05
76	20	-1.03215	186.697	-1424.69
77	20	-1.02365	187.744	-1445.17
78	20	-1.01522	188.775	-1465.47
79	20	-1.00687	189.789	-1485.61
80	20	-0.998575	190.786	-1505.58
81	20	-0.990356	191.767	-1525.39
82	20	-0.982202	192.732	-1545.03
83	20	-0.974114	193.681	-1564.51
84	20	-0.966088	194.614	-1583.83
85	20	-0.958125	195.532	-1603
86	20	-0.950222	196.435	-1622
87	20	-0.942375	197.323	-1640.85
88	20	-0.93459	198.196	-1659.54
89	20	-0.926859	199.055	-1678.08
90	20	-0.919183	199.9	-1696.46
91	20	-0.911562	200.731	-1714.69
92	20	-0.903992	201.548	-1732.77
93	20	-0.896473	202.352	-1750.7
94	20	-0.889006	203.142	-1768.48
95	20	-0.881587	203.92	-1786.11
96	20	-0.874218	204.684	-1803.6
97	20	-0.866894	205.435	-1820.94
98	20	-0.859618	206.174	-1838.13
99	20	-0.852385	206.901	-1855.18
100	20	-0.845198	207.615	-1872.08
101	20	-0.838054	208.318	-1888.84
102	20	-0.830953	209.008	-1905.46
103	20	-0.823893	209.687	-1921.94
104	20	-0.816874	210.354	-1938.28

105	20	-0.809896	211.01	-1954.47
106	20	-0.802956	211.655	-1970.53
107	20	-0.796056	212.288	-1986.45
108	20	-0.789191	212.911	-2002.24
109	20	-0.782366	213.523	-2017.88
110	20	-0.775574	214.125	-2033.4
111	20	-0.768821	214.716	-2048.77
112	20	-0.7621	215.297	-2064.01
113	20	-0.755415	215.867	-2079.12
114	20	-0.748762	216.428	-2094.1
115	20	-0.742143	216.979	-2108.94
116	20	-0.735557	217.52	-2123.65
117	20	-0.729003	218.051	-2138.23
118	20	-0.722479	218.573	-2152.68
119	20	-0.715986	219.086	-2167
120	20	-0.709522	219.589	-2181.19
121	20	-0.703089	220.084	-2195.25
122	20	-0.696684	220.569	-2209.19
123	20	-0.690309	221.046	-2222.99
124	20	-0.68396	221.513	-2236.67
125	20	-0.677639	221.973	-2250.23
126	20	-0.671346	222.423	-2263.65
127	20	-0.665079	222.866	-2276.95
128	20	-0.658838	223.3	-2290.13
129	20	-0.652622	223.726	-2303.18
130	20	-0.646431	224.144	-2316.11
131	20	-0.640266	224.553	-2328.92
132	20	-0.634124	224.956	-2341.6
133	20	-0.628006	225.35	-2354.16
134	20	-0.621911	225.737	-2366.6
135	20	-0.615839	226.116	-2378.91
136	20	-0.609791	226.488	-2391.11
137	20	-0.603765	226.852	-2403.19
138	20	-0.597761	227.21	-2415.14
139	20	-0.591776	227.56	-2426.98
140	20	-0.585815	227.903	-2438.69
141	20	-0.579873	228.239	-2450.29
142	20	-0.573953	228.569	-2461.77
143	20	-0.568052	228.891	-2473.13
144	20	-0.56217	229.207	-2484.37
145	20	-0.556308	229.517	-2495.5
146	20	-0.550465	229.82	-2506.51
147	20	-0.544642	230.117	-2517.4
148	20	-0.538836	230.407	-2528.18
149	20	-0.533048	230.691	-2538.84
150	20	-0.52728	230.969	-2549.39
151	20	-0.521527	231.241	-2559.82
152	20	-0.515791	231.507	-2570.13
153	20	-0.510074	231.767	-2580.33
154	20	-0.504372	232.022	-2590.42
155	20	-0.498687	232.27	-2600.39
156	20	-0.493018	232.513	-2610.25
157	20	-0.487364	232.751	-2620
158	20	-0.481728	232.983	-2629.64
159	20	-0.476105	233.21	-2639.16
160	20	-0.470498	233.431	-2648.57
161	20	-0.464904	233.647	-2657.87

162	20	-0.459327	233.858	-2667.05
163	20	-0.453763	234.064	-2676.13
164	20	-0.448213	234.265	-2685.09
165	20	-0.442676	234.461	-2693.95
166	20	-0.437153	234.652	-2702.69
167	20	-0.431644	234.838	-2711.32
168	20	-0.426148	235.02	-2719.85
169	20	-0.420664	235.197	-2728.26
170	20	-0.415193	235.369	-2736.56
171	20	-0.409735	235.537	-2744.76
172	20	-0.40429	235.701	-2752.84
173	20	-0.398855	235.86	-2760.82
174	20	-0.393433	236.015	-2768.69
175	20	-0.388022	236.165	-2776.45
176	20	-0.382622	236.311	-2784.1
177	20	-0.377233	236.454	-2791.65
178	20	-0.371856	236.592	-2799.08
179	20	-0.36649	236.726	-2806.41
180	20	-0.361133	236.857	-2813.64
181	20	-0.355788	236.983	-2820.75
182	20	-0.350451	237.106	-2827.76
183	20	-0.345126	237.225	-2834.66
184	20	-0.33981	237.341	-2841.46
185	20	-0.334503	237.453	-2848.15
186	20	-0.329206	237.561	-2854.73
187	20	-0.323919	237.666	-2861.21
188	20	-0.318639	237.768	-2867.58
189	20	-0.31337	237.866	-2873.85
190	20	-0.308108	237.961	-2880.01
191	20	-0.302855	238.052	-2886.07
192	20	-0.297612	238.141	-2892.02
193	20	-0.292375	238.226	-2897.87
194	20	-0.287147	238.309	-2903.61
195	20	-0.281926	238.388	-2909.25
196	20	-0.276714	238.465	-2914.79
197	20	-0.271509	238.539	-2920.22
198	20	-0.266311	238.61	-2925.54
199	20	-0.26112	238.678	-2930.77
200	20	-0.255936	238.743	-2935.88
201	20	-0.250759	238.806	-2940.9
202	20	-0.24559	238.866	-2945.81
203	20	-0.240426	238.924	-2950.62
204	20	-0.235269	238.98	-2955.33
205	20	-0.230118	239.033	-2959.93
206	20	-0.224974	239.083	-2964.43
207	20	-0.219834	239.132	-2968.82
208	20	-0.214702	239.178	-2973.12
209	20	-0.209575	239.222	-2977.31
210	20	-0.204452	239.263	-2981.4
211	20	-0.199336	239.303	-2985.39
212	20	-0.194225	239.341	-2989.27
213	20	-0.189118	239.377	-2993.05
214	20	-0.184017	239.41	-2996.73
215	20	-0.17892	239.442	-3000.31
216	20	-0.173829	239.473	-3003.79
217	20	-0.168741	239.501	-3007.16
218	20	-0.163659	239.528	-3010.44

219	20	-0.158579	239.553	-3013.61
220	20	-0.153505	239.577	-3016.68
221	20	-0.148434	239.599	-3019.65
222	20	-0.143367	239.619	-3022.51
223	20	-0.138305	239.638	-3025.28
224	20	-0.133244	239.656	-3027.94
225	20	-0.128189	239.673	-3030.51
226	20	-0.123135	239.688	-3032.97
227	20	-0.118085	239.702	-3035.33
228	20	-0.113039	239.714	-3037.59
229	20	-0.107995	239.726	-3039.75
230	20	-0.102953	239.737	-3041.81
231	20	-0.0979139	239.746	-3043.77
232	20	-0.0928787	239.755	-3045.63
233	20	-0.0878447	239.763	-3047.38
234	20	-0.0828129	239.769	-3049.04
235	20	-0.0777834	239.775	-3050.6
236	20	-0.0727562	239.781	-3052.05
237	20	-0.0677301	239.785	-3053.41
238	20	-0.0627062	239.789	-3054.66
239	20	-0.0576847	239.793	-3055.81
240	20	-0.0526632	239.795	-3056.87
241	20	-0.0476439	239.798	-3057.82
242	20	-0.0426257	239.799	-3058.67
243	20	-0.0376076	239.801	-3059.42
244	20	-0.0325917	239.802	-3060.08
245	20	-0.0275759	239.803	-3060.63
246	20	-0.0225612	239.803	-3061.08
247	20	-0.0175476	239.804	-3061.43
248	20	-0.0125328	239.804	-3061.68
249	20	-0.00751925	239.804	-3061.83
250	20	-0.0025068	239.804	-3061.88
251	20	0.0025068	239.804	-3061.83
252	20	0.00751925	239.804	-3061.68
253	20	0.0125328	239.804	-3061.43
254	20	0.0175476	239.804	-3061.08
255	20	0.0225612	239.805	-3060.63
256	20	0.0275759	239.806	-3060.08
257	20	0.0325917	239.807	-3059.42
258	20	0.0376076	239.808	-3058.67
259	20	0.0426257	239.81	-3057.82
260	20	0.0476439	239.812	-3056.87
261	20	0.0526632	239.815	-3055.81
262	20	0.0576847	239.818	-3054.66
263	20	0.0627062	239.822	-3053.41
264	20	0.0677301	239.827	-3052.05
265	20	0.0727562	239.832	-3050.6
266	20	0.0777834	239.838	-3049.04
267	20	0.0828129	239.845	-3047.38
268	20	0.0878447	239.853	-3045.63
269	20	0.0928787	239.861	-3043.77
270	20	0.0979139	239.871	-3041.81
271	20	0.102953	239.881	-3039.75
272	20	0.107995	239.893	-3037.59
273	20	0.113039	239.906	-3035.33
274	20	0.118085	239.92	-3032.97
275	20	0.123135	239.935	-3030.51

276	20	0.128189	239.951	-3027.94
277	20	0.133244	239.969	-3025.28
278	20	0.138305	239.988	-3022.51
279	20	0.143367	240.009	-3019.65
280	20	0.148434	240.031	-3016.68
281	20	0.153505	240.054	-3013.61
282	20	0.158579	240.08	-3010.44
283	20	0.163659	240.106	-3007.16
284	20	0.168741	240.135	-3003.79
285	20	0.173829	240.165	-3000.31
286	20	0.17892	240.197	-2996.73
287	20	0.184017	240.231	-2993.05
288	20	0.189118	240.267	-2989.27
289	20	0.194225	240.304	-2985.39
290	20	0.199336	240.344	-2981.4
291	20	0.204452	240.386	-2977.31
292	20	0.209575	240.43	-2973.12
293	20	0.214702	240.476	-2968.82
294	20	0.219834	240.524	-2964.43
295	20	0.224974	240.575	-2959.93
296	20	0.230118	240.628	-2955.33
297	20	0.235269	240.683	-2950.62
298	20	0.240426	240.741	-2945.81
299	20	0.24559	240.801	-2940.9
300	20	0.250759	240.864	-2935.88
301	20	0.255936	240.93	-2930.77
302	20	0.26112	240.998	-2925.54
303	20	0.266311	241.069	-2920.22
304	20	0.271509	241.143	-2914.79
305	20	0.276714	241.219	-2909.25
306	20	0.281926	241.299	-2903.61
307	20	0.287147	241.381	-2897.87
308	20	0.292375	241.467	-2892.02
309	20	0.297612	241.555	-2886.07
310	20	0.302855	241.647	-2880.01
311	20	0.308108	241.742	-2873.85
312	20	0.31337	241.84	-2867.58
313	20	0.318639	241.942	-2861.21
314	20	0.323919	242.046	-2854.73
315	20	0.329206	242.155	-2848.15
316	20	0.334503	242.267	-2841.46
317	20	0.33981	242.382	-2834.66
318	20	0.345126	242.501	-2827.76
319	20	0.350451	242.624	-2820.75
320	20	0.355788	242.751	-2813.64
321	20	0.361133	242.881	-2806.41
322	20	0.36649	243.015	-2799.08
323	20	0.371856	243.154	-2791.65
324	20	0.377233	243.296	-2784.1
325	20	0.382622	243.442	-2776.45
326	20	0.388022	243.593	-2768.69
327	20	0.393433	243.748	-2760.82
328	20	0.398855	243.907	-2752.84
329	20	0.40429	244.07	-2744.76
330	20	0.409735	244.238	-2736.56
331	20	0.415193	244.411	-2728.26
332	20	0.420664	244.588	-2719.85

333	20	0.426148	244.769	-2711.32
334	20	0.431644	244.955	-2702.69
335	20	0.437153	245.147	-2693.95
336	20	0.442676	245.343	-2685.09
337	20	0.448213	245.543	-2676.13
338	20	0.453763	245.749	-2667.05
339	20	0.459327	245.96	-2657.87
340	20	0.464904	246.176	-2648.57
341	20	0.470498	246.398	-2639.16
342	20	0.476105	246.624	-2629.64
343	20	0.481728	246.857	-2620
344	20	0.487364	247.094	-2610.25
345	20	0.493018	247.337	-2600.39
346	20	0.498687	247.586	-2590.42
347	20	0.504372	247.84	-2580.33
348	20	0.510074	248.1	-2570.13
349	20	0.515791	248.366	-2559.82
350	20	0.521527	248.638	-2549.39
351	20	0.52728	248.916	-2538.84
352	20	0.533048	249.201	-2528.18
353	20	0.538836	249.491	-2517.4
354	20	0.544642	249.788	-2506.51
355	20	0.550465	250.091	-2495.5
356	20	0.556308	250.4	-2484.37
357	20	0.56217	250.716	-2473.13
358	20	0.568052	251.039	-2461.77
359	20	0.573953	251.368	-2450.29
360	20	0.579873	251.704	-2438.69
361	20	0.585815	252.048	-2426.98
362	20	0.591776	252.398	-2415.14
363	20	0.597761	252.755	-2403.19
364	20	0.603765	253.12	-2391.11
365	20	0.609791	253.492	-2378.91
366	20	0.615839	253.871	-2366.6
367	20	0.621911	254.258	-2354.16
368	20	0.628006	254.652	-2341.6
369	20	0.634124	255.054	-2328.92
370	20	0.640266	255.464	-2316.11
371	20	0.646431	255.882	-2303.18
372	20	0.652622	256.308	-2290.13
373	20	0.658838	256.742	-2276.95
374	20	0.665079	257.184	-2263.65
375	20	0.671346	257.635	-2250.23
376	20	0.677639	258.094	-2236.67
377	20	0.68396	258.562	-2222.99
378	20	0.690309	259.038	-2209.19
379	20	0.696684	259.524	-2195.25
380	20	0.703089	260.018	-2181.19
381	20	0.709522	260.522	-2167
382	20	0.715986	261.034	-2152.68
383	20	0.722479	261.556	-2138.23
384	20	0.729003	262.088	-2123.65
385	20	0.735557	262.629	-2108.94
386	20	0.742143	263.179	-2094.1
387	20	0.748762	263.74	-2079.12
388	20	0.755415	264.311	-2064.01
389	20	0.7621	264.892	-2048.77

390	20	0.768821	265.483	-2033.4
391	20	0.775574	266.084	-2017.88
392	20	0.782366	266.696	-2002.24
393	20	0.789191	267.319	-1986.45
394	20	0.796056	267.953	-1970.53
395	20	0.802956	268.597	-1954.47
396	20	0.809896	269.253	-1938.28
397	20	0.816874	269.921	-1921.94
398	20	0.823893	270.599	-1905.46
399	20	0.830953	271.29	-1888.84
400	20	0.838054	271.992	-1872.08
401	20	0.845198	272.707	-1855.18
402	20	0.852385	273.433	-1838.13
403	20	0.859618	274.172	-1820.94
404	20	0.866894	274.924	-1803.6
405	20	0.874218	275.688	-1786.11
406	20	0.881587	276.465	-1768.48
407	20	0.889006	277.255	-1750.7
408	20	0.896473	278.059	-1732.77
409	20	0.903992	278.876	-1714.69
410	20	0.911562	279.707	-1696.46
411	20	0.919183	280.552	-1678.08
412	20	0.926859	281.411	-1659.54
413	20	0.93459	282.285	-1640.85
414	20	0.942375	283.173	-1622
415	20	0.950222	284.076	-1603
416	20	0.958125	284.994	-1583.83
417	20	0.966088	285.927	-1564.51
418	20	0.974114	286.876	-1545.03
419	20	0.982202	287.841	-1525.39
420	20	0.990356	288.821	-1505.58
421	20	0.998575	289.819	-1485.61
422	20	1.00687	290.832	-1465.47
423	20	1.01522	291.863	-1445.17
424	20	1.02365	292.911	-1424.69
425	20	1.03215	293.976	-1404.05
426	20	1.04073	295.059	-1383.23
427	20	1.04939	296.161	-1362.25
428	20	1.05812	297.28	-1341.08
429	20	1.06694	298.419	-1319.75
430	20	1.07584	299.576	-1298.23
431	20	1.08482	300.753	-1276.53
432	20	1.0939	301.949	-1254.65
433	20	1.10306	303.166	-1232.59
434	20	1.11232	304.403	-1210.35
435	20	1.12168	305.662	-1187.91
436	20	1.13113	306.941	-1165.29
437	20	1.14069	308.242	-1142.48
438	20	1.15035	309.566	-1119.47
439	20	1.16012	310.911	-1096.27
440	20	1.17	312.28	-1072.87
441	20	1.18	313.673	-1049.27
442	20	1.19012	315.089	-1025.47
443	20	1.20036	316.53	-1001.46
444	20	1.21073	317.996	-977.244
445	20	1.22123	319.487	-952.819
446	20	1.23187	321.005	-928.182

447	20	1.24264	322.549	-903.329
448	20	1.25357	324.12	-878.258
449	20	1.26464	325.72	-852.965
450	20	1.27588	327.347	-827.447
451	20	1.28727	329.005	-801.702
452	20	1.29884	330.692	-775.725
453	20	1.31058	332.409	-749.514
454	20	1.32251	334.158	-723.063
455	20	1.33462	335.939	-696.371
456	20	1.34694	337.754	-669.432
457	20	1.35946	339.602	-642.243
458	20	1.3722	341.485	-614.799
459	20	1.38517	343.403	-587.095
460	20	1.39838	345.359	-559.128
461	20	1.41183	347.352	-530.891
462	20	1.42554	349.384	-502.38
463	20	1.43953	351.457	-473.59
464	20	1.4538	353.57	-444.514
465	20	1.46838	355.726	-415.146
466	20	1.48328	357.926	-385.48
467	20	1.49852	360.172	-355.51
468	20	1.5141	362.464	-325.228
469	20	1.53007	364.806	-294.627
470	20	1.54643	367.197	-263.698
471	20	1.56322	369.641	-232.434
472	20	1.58047	372.139	-200.824
473	20	1.59819	374.693	-168.86
474	20	1.61644	377.306	-136.532
475	20	1.63524	379.98	-103.827
476	20	1.65463	382.717	-70.7345
477	20	1.67466	385.522	-37.2413
478	20	1.6954	388.396	-3.33334
479	20	1.71688	391.344	31.0044
480	20	1.7392	394.369	65.7883
481	20	1.76241	397.475	101.037
482	20	1.78661	400.667	136.769
483	20	1.81191	403.95	173.007
484	20	1.83843	407.33	209.776
485	20	1.86629	410.813	247.101
486	20	1.8957	414.406	285.015
487	20	1.92684	418.119	323.552
488	20	1.95996	421.961	362.751
489	20	1.99539	425.942	402.659
490	22	2.03352	430.077	447.397
491	23	2.07485	434.382	495.118
492	24	2.12007	438.877	546
493	24.7	2.17009	443.586	599.601
494	29	2.22621	448.542	664.161
495	29.9	2.29036	453.788	732.643
496	30	2.36561	459.384	803.611
497	34	2.45727	465.422	887.159
498	38	2.57583	472.057	985.04
499	48	2.74777	479.608	1116.93
500	69	0	479.608	1116.93

Data Set Standard Deviation = 4.69821

Numerator = 1.24754e+006
Denominator = 5.28265e+006
W Statistic = 0.236158 = 1.24754e+006 / 5.28265e+006

5% Critical value of 0.976 exceeds 0.236158
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.236158
Evidence of non-normality at 99% level of significance

Shapiro-Francia Test of Normality

Parameter: Vanadium

All Locations

Normality Test of Parameter Concentrations

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 500

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	0.7	0	0	0
2	0.7	-2.74777	7.55021	-1.92344
3	1.6	-2.57583	14.1851	-6.04477
4	1.65	-2.45727	20.2233	-10.0993
5	1.65	-2.36561	25.8195	-14.0025
6	1.8	-2.29036	31.0652	-18.1252
7	1.8	-2.22621	36.0212	-22.1324
8	2.02	-2.17009	40.7305	-26.5159
9	2.02	-2.12007	45.2252	-30.7985
10	2.1	-2.07485	49.5302	-35.1557
11	2.11	-2.03352	53.6654	-39.4464
12	2.2	-1.99539	57.647	-43.8363
13	2.29	-1.95996	61.4884	-48.3246
14	2.3	-1.92684	65.2012	-52.7563
15	2.42	-1.8957	68.7948	-57.3439
16	3.11	-1.86629	72.2779	-63.1481
17	3.27	-1.83843	75.6577	-69.1597
18	3.3	-1.81191	78.9407	-75.139
19	3.4	-1.78661	82.1327	-81.2135
20	3.65	-1.76241	85.2388	-87.6463
21	3.66	-1.7392	88.2636	-94.0118
22	3.81	-1.71688	91.2113	-100.553
23	3.84	-1.6954	94.0857	-107.063
24	3.92	-1.67466	96.8901	-113.628
25	4	-1.65463	99.6279	-120.247
26	4.06	-1.63524	102.302	-126.886
27	4.1	-1.61644	104.915	-133.513
28	4.29	-1.59819	107.469	-140.369
29	4.32	-1.58047	109.967	-147.197
30	4.6	-1.56322	112.411	-154.388
31	5	-1.54643	114.802	-162.12
32	5	-1.53007	117.143	-169.77
33	5.76	-1.5141	119.436	-178.491
34	6	-1.49852	121.681	-187.483
35	6	-1.48328	123.881	-196.382
36	6.2	-1.46838	126.037	-205.486
37	6.24	-1.4538	128.151	-214.558
38	6.4	-1.43953	130.223	-223.771
39	6.65	-1.42554	132.255	-233.251
40	6.8	-1.41183	134.249	-242.851
41	7	-1.39838	136.204	-252.64
42	7	-1.38517	138.123	-262.336
43	7.99	-1.3722	140.006	-273.3
44	8.15	-1.35946	141.854	-284.38
45	8.5	-1.34694	143.668	-295.829
46	9	-1.33462	145.449	-307.84
47	9.1	-1.32251	147.198	-319.875

48	9.44	-1.31058	148.916	-332.247
49	9.54	-1.29884	150.603	-344.638
50	10	-1.28727	152.26	-357.51
51	11	-1.27588	153.888	-371.545
52	11	-1.26464	155.487	-385.456
53	14.4	-1.25357	157.059	-403.508
54	14.5	-1.24264	158.603	-421.526
55	15	-1.23187	160.12	-440.004
56	15	-1.22123	161.612	-458.322
57	15	-1.21073	163.078	-476.483
58	15.4	-1.20036	164.518	-494.969
59	25	-1.19012	165.935	-524.722
60	25	-1.18	167.327	-554.222
61	33.7	-1.17	168.696	-593.651
62	40	-1.16012	170.042	-640.056
63	40	-1.15035	171.365	-686.07
64	40	-1.14069	172.666	-731.697
65	40	-1.13113	173.946	-776.942
66	40	-1.12168	175.204	-821.809
67	40	-1.11232	176.441	-866.302
68	40	-1.10306	177.658	-910.425
69	40	-1.0939	178.855	-954.181
70	40	-1.08482	180.032	-997.574
71	40	-1.07584	181.189	-1040.61
72	40	-1.06694	182.327	-1083.28
73	40	-1.05812	183.447	-1125.61
74	40	-1.04939	184.548	-1167.58
75	40	-1.04073	185.631	-1209.21
76	40	-1.03215	186.697	-1250.5
77	40	-1.02365	187.744	-1291.45
78	40	-1.01522	188.775	-1332.06
79	40	-1.00687	189.789	-1372.33
80	40	-0.998575	190.786	-1412.27
81	40	-0.990356	191.767	-1451.89
82	40	-0.982202	192.732	-1491.18
83	40	-0.974114	193.681	-1530.14
84	40	-0.966088	194.614	-1568.78
85	40	-0.958125	195.532	-1607.11
86	40	-0.950222	196.435	-1645.12
87	40	-0.942375	197.323	-1682.81
88	40	-0.93459	198.196	-1720.2
89	40	-0.926859	199.055	-1757.27
90	40	-0.919183	199.9	-1794.04
91	40	-0.911562	200.731	-1830.5
92	40	-0.903992	201.548	-1866.66
93	40	-0.896473	202.352	-1902.52
94	40	-0.889006	203.142	-1938.08
95	40	-0.881587	203.92	-1973.34
96	40	-0.874218	204.684	-2008.31
97	40	-0.866894	205.435	-2042.99
98	40	-0.859618	206.174	-2077.37
99	40	-0.852385	206.901	-2111.47
100	40	-0.845198	207.615	-2145.27
101	40	-0.838054	208.318	-2178.8
102	40	-0.830953	209.008	-2212.04
103	40	-0.823893	209.687	-2244.99
104	40	-0.816874	210.354	-2277.67

105	40	-0.809896	211.01	-2310.06
106	40	-0.802956	211.655	-2342.18
107	40	-0.796056	212.288	-2374.02
108	40	-0.789191	212.911	-2405.59
109	40	-0.782366	213.523	-2436.88
110	40	-0.775574	214.125	-2467.91
111	40	-0.768821	214.716	-2498.66
112	40	-0.7621	215.297	-2529.14
113	40	-0.755415	215.867	-2559.36
114	40	-0.748762	216.428	-2589.31
115	40	-0.742143	216.979	-2619
116	40	-0.735557	217.52	-2648.42
117	40	-0.729003	218.051	-2677.58
118	40	-0.722479	218.573	-2706.48
119	40	-0.715986	219.086	-2735.12
120	40	-0.709522	219.589	-2763.5
121	40	-0.703089	220.084	-2791.62
122	40	-0.696684	220.569	-2819.49
123	40	-0.690309	221.046	-2847.1
124	40	-0.68396	221.513	-2874.46
125	40	-0.677639	221.973	-2901.57
126	40	-0.671346	222.423	-2928.42
127	40	-0.665079	222.866	-2955.02
128	40	-0.658838	223.3	-2981.38
129	40	-0.652622	223.726	-3007.48
130	40	-0.646431	224.144	-3033.34
131	40	-0.640266	224.553	-3058.95
132	40	-0.634124	224.956	-3084.31
133	40	-0.628006	225.35	-3109.43
134	40	-0.621911	225.737	-3134.31
135	40	-0.615839	226.116	-3158.94
136	40	-0.609791	226.488	-3183.34
137	40	-0.603765	226.852	-3207.49
138	40	-0.597761	227.21	-3231.4
139	40	-0.591776	227.56	-3255.07
140	40	-0.585815	227.903	-3278.5
141	40	-0.579873	228.239	-3301.7
142	40	-0.573953	228.569	-3324.65
143	40	-0.568052	228.891	-3347.38
144	40	-0.56217	229.207	-3369.86
145	40	-0.556308	229.517	-3392.12
146	40	-0.550465	229.82	-3414.13
147	40	-0.544642	230.117	-3435.92
148	40	-0.538836	230.407	-3457.47
149	40	-0.533048	230.691	-3478.79
150	40	-0.52728	230.969	-3499.89
151	40	-0.521527	231.241	-3520.75
152	40	-0.515791	231.507	-3541.38
153	40	-0.510074	231.767	-3561.78
154	40	-0.504372	232.022	-3581.96
155	40	-0.498687	232.27	-3601.9
156	40	-0.493018	232.513	-3621.62
157	40	-0.487364	232.751	-3641.12
158	40	-0.481728	232.983	-3660.39
159	40	-0.476105	233.21	-3679.43
160	40	-0.470498	233.431	-3698.25
161	40	-0.464904	233.647	-3716.85

162	40	-0.459327	233.858	-3735.22
163	40	-0.453763	234.064	-3753.37
164	40	-0.448213	234.265	-3771.3
165	40	-0.442676	234.461	-3789.01
166	40	-0.437153	234.652	-3806.49
167	40	-0.431644	234.838	-3823.76
168	40	-0.426148	235.02	-3840.81
169	40	-0.420664	235.197	-3857.63
170	40	-0.415193	235.369	-3874.24
171	40	-0.409735	235.537	-3890.63
172	40	-0.40429	235.701	-3906.8
173	40	-0.398855	235.86	-3922.76
174	40	-0.393433	236.015	-3938.49
175	40	-0.388022	236.165	-3954.01
176	40	-0.382622	236.311	-3969.32
177	40	-0.377233	236.454	-3984.41
178	40	-0.371856	236.592	-3999.28
179	40	-0.36649	236.726	-4013.94
180	40	-0.361133	236.857	-4028.39
181	40	-0.355788	236.983	-4042.62
182	40	-0.350451	237.106	-4056.64
183	40	-0.345126	237.225	-4070.44
184	40	-0.33981	237.341	-4084.03
185	40	-0.334503	237.453	-4097.41
186	40	-0.329206	237.561	-4110.58
187	40	-0.323919	237.666	-4123.54
188	40	-0.318639	237.768	-4136.28
189	40	-0.31337	237.866	-4148.82
190	40	-0.308108	237.961	-4161.14
191	40	-0.302855	238.052	-4173.26
192	40	-0.297612	238.141	-4185.16
193	40	-0.292375	238.226	-4196.86
194	40	-0.287147	238.309	-4208.34
195	40	-0.281926	238.388	-4219.62
196	40	-0.276714	238.465	-4230.69
197	40	-0.271509	238.539	-4241.55
198	40	-0.266311	238.61	-4252.2
199	40	-0.26112	238.678	-4262.65
200	40	-0.255936	238.743	-4272.88
201	40	-0.250759	238.806	-4282.91
202	40	-0.24559	238.866	-4292.74
203	40	-0.240426	238.924	-4302.35
204	40	-0.235269	238.98	-4311.77
205	40	-0.230118	239.033	-4320.97
206	40	-0.224974	239.083	-4329.97
207	40	-0.219834	239.132	-4338.76
208	40	-0.214702	239.178	-4347.35
209	40	-0.209575	239.222	-4355.73
210	40	-0.204452	239.263	-4363.91
211	40	-0.199336	239.303	-4371.89
212	40	-0.194225	239.341	-4379.65
213	40	-0.189118	239.377	-4387.22
214	40	-0.184017	239.41	-4394.58
215	40	-0.17892	239.442	-4401.74
216	40	-0.173829	239.473	-4408.69
217	40	-0.168741	239.501	-4415.44
218	40	-0.163659	239.528	-4421.99

219	40	-0.158579	239.553	-4428.33
220	40	-0.153505	239.577	-4434.47
221	40	-0.148434	239.599	-4440.41
222	40	-0.143367	239.619	-4446.14
223	40	-0.138305	239.638	-4451.67
224	40	-0.133244	239.656	-4457
225	40	-0.128189	239.673	-4462.13
226	40	-0.123135	239.688	-4467.06
227	40	-0.118085	239.702	-4471.78
228	40	-0.113039	239.714	-4476.3
229	40	-0.107995	239.726	-4480.62
230	40	-0.102953	239.737	-4484.74
231	40	-0.0979139	239.746	-4488.66
232	40	-0.0928787	239.755	-4492.37
233	40	-0.0878447	239.763	-4495.88
234	40	-0.0828129	239.769	-4499.2
235	40	-0.0777834	239.775	-4502.31
236	40	-0.0727562	239.781	-4505.22
237	40	-0.0677301	239.785	-4507.93
238	40	-0.0627062	239.789	-4510.44
239	40	-0.0576847	239.793	-4512.74
240	40	-0.0526632	239.795	-4514.85
241	40	-0.0476439	239.798	-4516.76
242	40	-0.0426257	239.799	-4518.46
243	40	-0.0376076	239.801	-4519.96
244	40	-0.0325917	239.802	-4521.27
245	40	-0.0275759	239.803	-4522.37
246	40	-0.0225612	239.803	-4523.27
247	40	-0.0175476	239.804	-4523.98
248	40	-0.0125328	239.804	-4524.48
249	40	-0.00751925	239.804	-4524.78
250	40	-0.0025068	239.804	-4524.88
251	40	0.0025068	239.804	-4524.78
252	40	0.00751925	239.804	-4524.48
253	40	0.0125328	239.804	-4523.98
254	40	0.0175476	239.804	-4523.27
255	40	0.0225612	239.805	-4522.37
256	40	0.0275759	239.806	-4521.27
257	40	0.0325917	239.807	-4519.96
258	40	0.0376076	239.808	-4518.46
259	40	0.0426257	239.81	-4516.76
260	40	0.0476439	239.812	-4514.85
261	40	0.0526632	239.815	-4512.74
262	40	0.0576847	239.818	-4510.44
263	40	0.0627062	239.822	-4507.93
264	40	0.0677301	239.827	-4505.22
265	40	0.0727562	239.832	-4502.31
266	40	0.0777834	239.838	-4499.2
267	40	0.0828129	239.845	-4495.88
268	40	0.0878447	239.853	-4492.37
269	40	0.0928787	239.861	-4488.66
270	40	0.0979139	239.871	-4484.74
271	40	0.102953	239.881	-4480.62
272	40	0.107995	239.893	-4476.3
273	40	0.113039	239.906	-4471.78
274	40	0.118085	239.92	-4467.06
275	40	0.123135	239.935	-4462.13

276	40	0.128189	239.951	-4457
277	40	0.133244	239.969	-4451.67
278	40	0.138305	239.988	-4446.14
279	40	0.143367	240.009	-4440.41
280	40	0.148434	240.031	-4434.47
281	40	0.153505	240.054	-4428.33
282	40	0.158579	240.08	-4421.99
283	40	0.163659	240.106	-4415.44
284	40	0.168741	240.135	-4408.69
285	40	0.173829	240.165	-4401.74
286	40	0.17892	240.197	-4394.58
287	40	0.184017	240.231	-4387.22
288	40	0.189118	240.267	-4379.65
289	40	0.194225	240.304	-4371.89
290	40	0.199336	240.344	-4363.91
291	40	0.204452	240.386	-4355.73
292	40	0.209575	240.43	-4347.35
293	40	0.214702	240.476	-4338.76
294	40	0.219834	240.524	-4329.97
295	40	0.224974	240.575	-4320.97
296	40	0.230118	240.628	-4311.77
297	40	0.235269	240.683	-4302.35
298	40	0.240426	240.741	-4292.74
299	40	0.24559	240.801	-4282.91
300	40	0.250759	240.864	-4272.88
301	40	0.255936	240.93	-4262.65
302	40	0.26112	240.998	-4252.2
303	40	0.266311	241.069	-4241.55
304	40	0.271509	241.143	-4230.69
305	40	0.276714	241.219	-4219.62
306	40	0.281926	241.299	-4208.34
307	40	0.287147	241.381	-4196.86
308	40	0.292375	241.467	-4185.16
309	40	0.297612	241.555	-4173.26
310	40	0.302855	241.647	-4161.14
311	40	0.308108	241.742	-4148.82
312	40	0.31337	241.84	-4136.28
313	40	0.318639	241.942	-4123.54
314	40	0.323919	242.046	-4110.58
315	40	0.329206	242.155	-4097.41
316	40	0.334503	242.267	-4084.03
317	40	0.33981	242.382	-4070.44
318	40	0.345126	242.501	-4056.64
319	40	0.350451	242.624	-4042.62
320	40	0.355788	242.751	-4028.39
321	40	0.361133	242.881	-4013.94
322	40	0.36649	243.015	-3999.28
323	40	0.371856	243.154	-3984.41
324	40	0.377233	243.296	-3969.32
325	40	0.382622	243.442	-3954.01
326	40	0.388022	243.593	-3938.49
327	40	0.393433	243.748	-3922.76
328	40	0.398855	243.907	-3906.8
329	40	0.40429	244.07	-3890.63
330	40	0.409735	244.238	-3874.24
331	40	0.415193	244.411	-3857.63
332	40	0.420664	244.588	-3840.81

333	40	0.426148	244.769	-3823.76
334	40	0.431644	244.955	-3806.49
335	40	0.437153	245.147	-3789.01
336	40	0.442676	245.343	-3771.3
337	40	0.448213	245.543	-3753.37
338	40	0.453763	245.749	-3735.22
339	40	0.459327	245.96	-3716.85
340	40	0.464904	246.176	-3698.25
341	40	0.470498	246.398	-3679.43
342	40	0.476105	246.624	-3660.39
343	40	0.481728	246.857	-3641.12
344	40	0.487364	247.094	-3621.62
345	40	0.493018	247.337	-3601.9
346	40	0.498687	247.586	-3581.96
347	40	0.504372	247.84	-3561.78
348	40	0.510074	248.1	-3541.38
349	40	0.515791	248.366	-3520.75
350	40	0.521527	248.638	-3499.89
351	40	0.52728	248.916	-3478.79
352	40	0.533048	249.201	-3457.47
353	40	0.538836	249.491	-3435.92
354	40	0.544642	249.788	-3414.13
355	40	0.550465	250.091	-3392.12
356	40	0.556308	250.4	-3369.86
357	40	0.56217	250.716	-3347.38
358	40	0.568052	251.039	-3324.65
359	40	0.573953	251.368	-3301.7
360	40	0.579873	251.704	-3278.5
361	40	0.585815	252.048	-3255.07
362	40	0.591776	252.398	-3231.4
363	40	0.597761	252.755	-3207.49
364	40	0.603765	253.12	-3183.34
365	40	0.609791	253.492	-3158.94
366	40	0.615839	253.871	-3134.31
367	40	0.621911	254.258	-3109.43
368	40	0.628006	254.652	-3084.31
369	40	0.634124	255.054	-3058.95
370	40	0.640266	255.464	-3033.34
371	40	0.646431	255.882	-3007.48
372	40	0.652622	256.308	-2981.38
373	40	0.658838	256.742	-2955.02
374	40	0.665079	257.184	-2928.42
375	40	0.671346	257.635	-2901.57
376	40	0.677639	258.094	-2874.46
377	40	0.68396	258.562	-2847.1
378	40	0.690309	259.038	-2819.49
379	40	0.696684	259.524	-2791.62
380	40	0.703089	260.018	-2763.5
381	40	0.709522	260.522	-2735.12
382	40	0.715986	261.034	-2706.48
383	40	0.722479	261.556	-2677.58
384	40	0.729003	262.088	-2648.42
385	40	0.735557	262.629	-2619
386	40	0.742143	263.179	-2589.31
387	40	0.748762	263.74	-2559.36
388	40	0.755415	264.311	-2529.14
389	40	0.7621	264.892	-2498.66

390	40	0.768821	265.483	-2467.91
391	40	0.775574	266.084	-2436.88
392	40	0.782366	266.696	-2405.59
393	40	0.789191	267.319	-2374.02
394	40	0.796056	267.953	-2342.18
395	40	0.802956	268.597	-2310.06
396	40	0.809896	269.253	-2277.67
397	40	0.816874	269.921	-2244.99
398	40	0.823893	270.599	-2212.04
399	40	0.830953	271.29	-2178.8
400	40	0.838054	271.992	-2145.27
401	40	0.845198	272.707	-2111.47
402	40	0.852385	273.433	-2077.37
403	40	0.859618	274.172	-2042.99
404	40	0.866894	274.924	-2008.31
405	40	0.874218	275.688	-1973.34
406	40	0.881587	276.465	-1938.08
407	40	0.889006	277.255	-1902.52
408	40	0.896473	278.059	-1866.66
409	40	0.903992	278.876	-1830.5
410	40	0.911562	279.707	-1794.04
411	40	0.919183	280.552	-1757.27
412	40	0.926859	281.411	-1720.2
413	40	0.93459	282.285	-1682.81
414	40	0.942375	283.173	-1645.12
415	40	0.950222	284.076	-1607.11
416	40	0.958125	284.994	-1568.78
417	40	0.966088	285.927	-1530.14
418	40	0.974114	286.876	-1491.18
419	40	0.982202	287.841	-1451.89
420	40	0.990356	288.821	-1412.27
421	40	0.998575	289.819	-1372.33
422	40	1.00687	290.832	-1332.06
423	40	1.01522	291.863	-1291.45
424	40	1.02365	292.911	-1250.5
425	40	1.03215	293.976	-1209.21
426	40	1.04073	295.059	-1167.58
427	40	1.04939	296.161	-1125.61
428	41	1.05812	297.28	-1082.23
429	42	1.06694	298.419	-1037.42
430	42	1.07584	299.576	-992.23
431	43	1.08482	300.753	-945.583
432	44	1.0939	301.949	-897.451
433	44	1.10306	303.166	-848.916
434	44	1.11232	304.403	-799.974
435	45	1.12168	305.662	-749.499
436	45	1.13113	306.941	-698.598
437	46	1.14069	308.242	-646.126
438	47	1.15035	309.566	-592.06
439	48	1.16012	310.911	-536.374
440	48	1.17	312.28	-480.214
441	48	1.18	313.673	-423.574
442	50	1.19012	315.089	-364.068
443	50.1	1.20036	316.53	-303.93
444	51	1.21073	317.996	-242.183
445	51	1.22123	319.487	-179.9
446	52	1.23187	321.005	-115.843

447	53	1.24264	322.549	-49.983
448	55.8	1.25357	324.12	19.966
449	59	1.26464	325.72	94.5798
450	59	1.27588	327.347	169.856
451	62	1.28727	329.005	249.667
452	63.2	1.29884	330.692	331.754
453	63.2	1.31058	332.409	414.582
454	66	1.32251	334.158	501.868
455	67	1.33462	335.939	591.288
456	67	1.34694	337.754	681.532
457	68	1.35946	339.602	773.976
458	69	1.3722	341.485	868.658
459	72	1.38517	343.403	968.39
460	74.9	1.39838	345.359	1073.13
461	75	1.41183	347.352	1179.02
462	75	1.42554	349.384	1285.93
463	75	1.43953	351.457	1393.9
464	76	1.4538	353.57	1504.39
465	77	1.46838	355.726	1617.45
466	78	1.48328	357.926	1733.15
467	78	1.49852	360.172	1850.03
468	79.1	1.5141	362.464	1969.8
469	83	1.53007	364.806	2096.79
470	84	1.54643	367.197	2226.69
471	86	1.56322	369.641	2361.13
472	86	1.58047	372.139	2497.05
473	98	1.59819	374.693	2653.67
474	98.6	1.61644	377.306	2813.05
475	100	1.63524	379.98	2976.58
476	101	1.65463	382.717	3143.69
477	104	1.67466	385.522	3317.86
478	110	1.6954	388.396	3504.35
479	110	1.71688	391.344	3693.21
480	113	1.7392	394.369	3889.74
481	124	1.76241	397.475	4108.28
482	130	1.78661	400.667	4340.54
483	130	1.81191	403.95	4576.09
484	138	1.83843	407.33	4829.79
485	140	1.86629	410.813	5091.07
486	160	1.8957	414.406	5394.38
487	170	1.92684	418.119	5721.94
488	180	1.95996	421.961	6074.74
489	195	1.99539	425.942	6463.84
490	199	2.03352	430.077	6868.51
491	208	2.07485	434.382	7300.08
492	220	2.12007	438.877	7766.49
493	220	2.17009	443.586	8243.91
494	230	2.22621	448.542	8755.94
495	250	2.29036	453.788	9328.53
496	280	2.36561	459.384	9990.9
497	340	2.45727	465.422	10826.4
498	410	2.57583	472.057	11882.5
499	410	2.74777	479.608	13009.1
500	524	0	479.608	13009.1

Data Set Standard Deviation = 46.5438

Numerator = 1.69235e+008
Denominator = 5.18455e+008
W Statistic = 0.326423 = 1.69235e+008 / 5.18455e+008

5% Critical value of 0.976 exceeds 0.326423
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.326423
Evidence of non-normality at 99% level of significance

Shapiro-Francia Test of Normality

Parameter: Zinc

All Locations

Normality Test of Parameter Concentrations

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 500

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	1.3	0	0	0
2	2.2	-2.74777	7.55021	-6.04508
3	2.5	-2.57583	14.1851	-12.4847
4	2.5	-2.45727	20.2233	-18.6279
5	3	-2.36561	25.8195	-25.7247
6	3.5	-2.29036	31.0652	-33.741
7	3.7	-2.22621	36.0212	-41.9779
8	4.03	-2.17009	40.7305	-50.7234
9	4.08	-2.12007	45.2252	-59.3733
10	4.2	-2.07485	49.5302	-68.0876
11	4.7	-2.03352	53.6654	-77.6452
12	4.87	-1.99539	57.647	-87.3628
13	4.92	-1.95996	61.4884	-97.0058
14	5	-1.92684	65.2012	-106.64
15	5.1	-1.8957	68.7948	-116.308
16	5.52	-1.86629	72.2779	-126.61
17	5.7	-1.83843	75.6577	-137.089
18	5.77	-1.81191	78.9407	-147.544
19	6	-1.78661	82.1327	-158.263
20	6	-1.76241	85.2388	-168.838
21	6.28	-1.7392	88.2636	-179.76
22	6.49	-1.71688	91.2113	-190.903
23	7.1	-1.6954	94.0857	-202.94
24	7.2	-1.67466	96.8901	-214.997
25	7.31	-1.65463	99.6279	-227.093
26	7.58	-1.63524	102.302	-239.488
27	7.66	-1.61644	104.915	-251.87
28	7.8	-1.59819	107.469	-264.336
29	8.16	-1.58047	109.967	-277.232
30	8.7	-1.56322	112.411	-290.832
31	8.88	-1.54643	114.802	-304.565
32	9.4	-1.53007	117.143	-318.947
33	10	-1.5141	119.436	-334.088
34	11	-1.49852	121.681	-350.572
35	12	-1.48328	123.881	-368.371
36	14	-1.46838	126.037	-388.929
37	15	-1.4538	128.151	-410.736
38	18	-1.43953	130.223	-436.647
39	20	-1.42554	132.255	-465.158
40	20	-1.41183	134.249	-493.395
41	20.5	-1.39838	136.204	-522.061
42	21	-1.38517	138.123	-551.15
43	21.6	-1.3722	140.006	-580.79
44	22	-1.35946	141.854	-610.698
45	25	-1.34694	143.668	-644.371
46	25	-1.33462	145.449	-677.737
47	30	-1.32251	147.198	-717.412

48	30	-1.31058	148.916	-756.73
49	30	-1.29884	150.603	-795.695
50	30	-1.28727	152.26	-834.313
51	36	-1.27588	153.888	-880.244
52	36	-1.26464	155.487	-925.771
53	37.5	-1.25357	157.059	-972.78
54	38	-1.24264	158.603	-1020
55	39.9	-1.23187	160.12	-1069.15
56	48	-1.22123	161.612	-1127.77
57	48.5	-1.21073	163.078	-1186.49
58	50	-1.20036	164.518	-1246.51
59	50	-1.19012	165.935	-1306.02
60	50	-1.18	167.327	-1365.02
61	50	-1.17	168.696	-1423.52
62	50	-1.16012	170.042	-1481.52
63	50	-1.15035	171.365	-1539.04
64	50	-1.14069	172.666	-1596.07
65	50	-1.13113	173.946	-1652.63
66	50	-1.12168	175.204	-1708.71
67	50	-1.11232	176.441	-1764.33
68	50	-1.10306	177.658	-1819.48
69	50	-1.0939	178.855	-1874.18
70	50	-1.08482	180.032	-1928.42
71	50	-1.07584	181.189	-1982.21
72	50	-1.06694	182.327	-2035.56
73	50	-1.05812	183.447	-2088.46
74	50	-1.04939	184.548	-2140.93
75	50	-1.04073	185.631	-2192.97
76	50	-1.03215	186.697	-2244.58
77	50	-1.02365	187.744	-2295.76
78	50	-1.01522	188.775	-2346.52
79	50	-1.00687	189.789	-2396.86
80	50	-0.998575	190.786	-2446.79
81	50	-0.990356	191.767	-2496.31
82	50	-0.982202	192.732	-2545.42
83	50	-0.974114	193.681	-2594.13
84	50	-0.966088	194.614	-2642.43
85	50	-0.958125	195.532	-2690.34
86	50	-0.950222	196.435	-2737.85
87	50	-0.942375	197.323	-2784.97
88	50	-0.93459	198.196	-2831.7
89	50	-0.926859	199.055	-2878.04
90	50	-0.919183	199.9	-2924
91	50	-0.911562	200.731	-2969.58
92	50	-0.903992	201.548	-3014.78
93	50	-0.896473	202.352	-3059.6
94	50	-0.889006	203.142	-3104.05
95	50	-0.881587	203.92	-3148.13
96	50	-0.874218	204.684	-3191.84
97	50	-0.866894	205.435	-3235.19
98	50	-0.859618	206.174	-3278.17
99	50	-0.852385	206.901	-3320.79
100	50	-0.845198	207.615	-3363.05
101	50	-0.838054	208.318	-3404.95
102	50	-0.830953	209.008	-3446.5
103	50	-0.823893	209.687	-3487.69
104	50	-0.816874	210.354	-3528.53

105	50	-0.809896	211.01	-3569.03
106	50	-0.802956	211.655	-3609.18
107	50	-0.796056	212.288	-3648.98
108	50	-0.789191	212.911	-3688.44
109	50	-0.782366	213.523	-3727.56
110	50	-0.775574	214.125	-3766.34
111	50	-0.768821	214.716	-3804.78
112	50	-0.7621	215.297	-3842.88
113	50	-0.755415	215.867	-3880.65
114	50	-0.748762	216.428	-3918.09
115	50	-0.742143	216.979	-3955.2
116	50	-0.735557	217.52	-3991.98
117	50	-0.729003	218.051	-4028.43
118	50	-0.722479	218.573	-4064.55
119	50	-0.715986	219.086	-4100.35
120	50	-0.709522	219.589	-4135.83
121	50	-0.703089	220.084	-4170.98
122	50	-0.696684	220.569	-4205.81
123	50	-0.690309	221.046	-4240.33
124	50	-0.68396	221.513	-4274.53
125	50	-0.677639	221.973	-4308.41
126	50	-0.671346	222.423	-4341.98
127	50	-0.665079	222.866	-4375.23
128	50	-0.658838	223.3	-4408.17
129	50	-0.652622	223.726	-4440.8
130	50	-0.646431	224.144	-4473.13
131	50	-0.640266	224.553	-4505.14
132	50	-0.634124	224.956	-4536.84
133	50	-0.628006	225.35	-4568.24
134	50	-0.621911	225.737	-4599.34
135	50	-0.615839	226.116	-4630.13
136	50	-0.609791	226.488	-4660.62
137	50	-0.603765	226.852	-4690.81
138	50	-0.597761	227.21	-4720.7
139	50	-0.591776	227.56	-4750.29
140	50	-0.585815	227.903	-4779.58
141	50	-0.579873	228.239	-4808.57
142	50	-0.573953	228.569	-4837.27
143	50	-0.568052	228.891	-4865.67
144	50	-0.56217	229.207	-4893.78
145	50	-0.556308	229.517	-4921.6
146	50	-0.550465	229.82	-4949.12
147	50	-0.544642	230.117	-4976.35
148	50	-0.538836	230.407	-5003.29
149	50	-0.533048	230.691	-5029.95
150	50	-0.52728	230.969	-5056.31
151	50	-0.521527	231.241	-5082.39
152	50	-0.515791	231.507	-5108.18
153	50	-0.510074	231.767	-5133.68
154	50	-0.504372	232.022	-5158.9
155	50	-0.498687	232.27	-5183.83
156	50	-0.493018	232.513	-5208.48
157	50	-0.487364	232.751	-5232.85
158	50	-0.481728	232.983	-5256.94
159	50	-0.476105	233.21	-5280.74
160	50	-0.470498	233.431	-5304.27
161	50	-0.464904	233.647	-5327.51

162	50	-0.459327	233.858	-5350.48
163	50	-0.453763	234.064	-5373.17
164	50	-0.448213	234.265	-5395.58
165	50	-0.442676	234.461	-5417.71
166	50	-0.437153	234.652	-5439.57
167	50	-0.431644	234.838	-5461.15
168	50	-0.426148	235.02	-5482.46
169	50	-0.420664	235.197	-5503.49
170	50	-0.415193	235.369	-5524.25
171	50	-0.409735	235.537	-5544.74
172	50	-0.40429	235.701	-5564.95
173	50	-0.398855	235.86	-5584.9
174	50	-0.393433	236.015	-5604.57
175	50	-0.388022	236.165	-5623.97
176	50	-0.382622	236.311	-5643.1
177	50	-0.377233	236.454	-5661.96
178	50	-0.371856	236.592	-5680.55
179	50	-0.36649	236.726	-5698.88
180	50	-0.361133	236.857	-5716.94
181	50	-0.355788	236.983	-5734.72
182	50	-0.350451	237.106	-5752.25
183	50	-0.345126	237.225	-5769.5
184	50	-0.33981	237.341	-5786.49
185	50	-0.334503	237.453	-5803.22
186	50	-0.329206	237.561	-5819.68
187	50	-0.323919	237.666	-5835.88
188	50	-0.318639	237.768	-5851.81
189	50	-0.31337	237.866	-5867.48
190	50	-0.308108	237.961	-5882.88
191	50	-0.302855	238.052	-5898.02
192	50	-0.297612	238.141	-5912.9
193	50	-0.292375	238.226	-5927.52
194	50	-0.287147	238.309	-5941.88
195	50	-0.281926	238.388	-5955.98
196	50	-0.276714	238.465	-5969.81
197	50	-0.271509	238.539	-5983.39
198	50	-0.266311	238.61	-5996.7
199	50	-0.26112	238.678	-6009.76
200	50	-0.255936	238.743	-6022.56
201	50	-0.250759	238.806	-6035.09
202	50	-0.24559	238.866	-6047.37
203	50	-0.240426	238.924	-6059.4
204	50	-0.235269	238.98	-6071.16
205	50	-0.230118	239.033	-6082.66
206	50	-0.224974	239.083	-6093.91
207	50	-0.219834	239.132	-6104.9
208	50	-0.214702	239.178	-6115.64
209	50	-0.209575	239.222	-6126.12
210	50	-0.204452	239.263	-6136.34
211	50	-0.199336	239.303	-6146.31
212	50	-0.194225	239.341	-6156.02
213	50	-0.189118	239.377	-6165.48
214	50	-0.184017	239.41	-6174.68
215	50	-0.17892	239.442	-6183.62
216	50	-0.173829	239.473	-6192.31
217	50	-0.168741	239.501	-6200.75
218	50	-0.163659	239.528	-6208.93

219	50	-0.158579	239.553	-6216.86
220	50	-0.153505	239.577	-6224.54
221	50	-0.148434	239.599	-6231.96
222	50	-0.143367	239.619	-6239.13
223	50	-0.138305	239.638	-6246.04
224	50	-0.133244	239.656	-6252.71
225	50	-0.128189	239.673	-6259.11
226	50	-0.123135	239.688	-6265.27
227	50	-0.118085	239.702	-6271.18
228	50	-0.113039	239.714	-6276.83
229	50	-0.107995	239.726	-6282.23
230	50	-0.102953	239.737	-6287.38
231	50	-0.0979139	239.746	-6292.27
232	50	-0.0928787	239.755	-6296.91
233	50	-0.0878447	239.763	-6301.31
234	50	-0.0828129	239.769	-6305.45
235	50	-0.0777834	239.775	-6309.34
236	50	-0.0727562	239.781	-6312.97
237	50	-0.0677301	239.785	-6316.36
238	50	-0.0627062	239.789	-6319.5
239	50	-0.0576847	239.793	-6322.38
240	50	-0.0526632	239.795	-6325.01
241	50	-0.0476439	239.798	-6327.4
242	50	-0.0426257	239.799	-6329.53
243	50	-0.0376076	239.801	-6331.41
244	50	-0.0325917	239.802	-6333.04
245	50	-0.0275759	239.803	-6334.42
246	50	-0.0225612	239.803	-6335.54
247	50	-0.0175476	239.804	-6336.42
248	50	-0.0125328	239.804	-6337.05
249	50	-0.00751925	239.804	-6337.42
250	50	-0.0025068	239.804	-6337.55
251	50	0.0025068	239.804	-6337.42
252	50	0.00751925	239.804	-6337.05
253	50	0.0125328	239.804	-6336.42
254	50	0.0175476	239.804	-6335.54
255	50	0.0225612	239.805	-6334.42
256	50	0.0275759	239.806	-6333.04
257	50	0.0325917	239.807	-6331.41
258	50	0.0376076	239.808	-6329.53
259	50	0.0426257	239.81	-6327.4
260	50	0.0476439	239.812	-6325.01
261	50	0.0526632	239.815	-6322.38
262	50	0.0576847	239.818	-6319.5
263	50	0.0627062	239.822	-6316.36
264	50	0.0677301	239.827	-6312.97
265	50	0.0727562	239.832	-6309.34
266	50	0.0777834	239.838	-6305.45
267	50	0.0828129	239.845	-6301.31
268	50	0.0878447	239.853	-6296.91
269	50	0.0928787	239.861	-6292.27
270	50	0.0979139	239.871	-6287.38
271	50	0.102953	239.881	-6282.23
272	50	0.107995	239.893	-6276.83
273	50	0.113039	239.906	-6271.18
274	50	0.118085	239.92	-6265.27
275	50	0.123135	239.935	-6259.11

276	50	0.128189	239.951	-6252.71
277	50	0.133244	239.969	-6246.04
278	50	0.138305	239.988	-6239.13
279	50	0.143367	240.009	-6231.96
280	50	0.148434	240.031	-6224.54
281	50	0.153505	240.054	-6216.86
282	50	0.158579	240.08	-6208.93
283	50	0.163659	240.106	-6200.75
284	50	0.168741	240.135	-6192.31
285	50	0.173829	240.165	-6183.62
286	50	0.17892	240.197	-6174.68
287	50	0.184017	240.231	-6165.48
288	50	0.189118	240.267	-6156.02
289	50	0.194225	240.304	-6146.31
290	50	0.199336	240.344	-6136.34
291	50	0.204452	240.386	-6126.12
292	50	0.209575	240.43	-6115.64
293	50	0.214702	240.476	-6104.9
294	50	0.219834	240.524	-6093.91
295	50	0.224974	240.575	-6082.66
296	50	0.230118	240.628	-6071.16
297	50	0.235269	240.683	-6059.4
298	50	0.240426	240.741	-6047.37
299	50	0.24559	240.801	-6035.09
300	50	0.250759	240.864	-6022.56
301	50	0.255936	240.93	-6009.76
302	50	0.26112	240.998	-5996.7
303	50	0.266311	241.069	-5983.39
304	50	0.271509	241.143	-5969.81
305	50	0.276714	241.219	-5955.98
306	50	0.281926	241.299	-5941.88
307	50	0.287147	241.381	-5927.52
308	50	0.292375	241.467	-5912.9
309	50	0.297612	241.555	-5898.02
310	50	0.302855	241.647	-5882.88
311	50	0.308108	241.742	-5867.48
312	50	0.31337	241.84	-5851.81
313	50	0.318639	241.942	-5835.88
314	50	0.323919	242.046	-5819.68
315	50	0.329206	242.155	-5803.22
316	50	0.334503	242.267	-5786.49
317	50	0.33981	242.382	-5769.5
318	50	0.345126	242.501	-5752.25
319	50	0.350451	242.624	-5734.72
320	50	0.355788	242.751	-5716.94
321	50	0.361133	242.881	-5698.88
322	50	0.36649	243.015	-5680.55
323	50	0.371856	243.154	-5661.96
324	50	0.377233	243.296	-5643.1
325	50	0.382622	243.442	-5623.97
326	50	0.388022	243.593	-5604.57
327	50	0.393433	243.748	-5584.9
328	50	0.398855	243.907	-5564.95
329	50	0.40429	244.07	-5544.74
330	50	0.409735	244.238	-5524.25
331	50	0.415193	244.411	-5503.49
332	50	0.420664	244.588	-5482.46

333	50	0.426148	244.769	-5461.15
334	50	0.431644	244.955	-5439.57
335	50	0.437153	245.147	-5417.71
336	50	0.442676	245.343	-5395.58
337	50	0.448213	245.543	-5373.17
338	50	0.453763	245.749	-5350.48
339	50	0.459327	245.96	-5327.51
340	50	0.464904	246.176	-5304.27
341	50	0.470498	246.398	-5280.74
342	50	0.476105	246.624	-5256.94
343	50	0.481728	246.857	-5232.85
344	50	0.487364	247.094	-5208.48
345	50	0.493018	247.337	-5183.83
346	50	0.498687	247.586	-5158.9
347	50	0.504372	247.84	-5133.68
348	50	0.510074	248.1	-5108.18
349	50	0.515791	248.366	-5082.39
350	50	0.521527	248.638	-5056.31
351	50	0.52728	248.916	-5029.95
352	50	0.533048	249.201	-5003.29
353	50	0.538836	249.491	-4976.35
354	50	0.544642	249.788	-4949.12
355	50	0.550465	250.091	-4921.6
356	50	0.556308	250.4	-4893.78
357	50	0.56217	250.716	-4865.67
358	50	0.568052	251.039	-4837.27
359	50	0.573953	251.368	-4808.57
360	50	0.579873	251.704	-4779.58
361	50	0.585815	252.048	-4750.29
362	50	0.591776	252.398	-4720.7
363	50	0.597761	252.755	-4690.81
364	50	0.603765	253.12	-4660.62
365	50	0.609791	253.492	-4630.13
366	50	0.615839	253.871	-4599.34
367	50	0.621911	254.258	-4568.24
368	50	0.628006	254.652	-4536.84
369	50	0.634124	255.054	-4505.14
370	50	0.640266	255.464	-4473.13
371	50	0.646431	255.882	-4440.8
372	50	0.652622	256.308	-4408.17
373	50	0.658838	256.742	-4375.23
374	50	0.665079	257.184	-4341.98
375	50	0.671346	257.635	-4308.41
376	50	0.677639	258.094	-4274.53
377	50	0.68396	258.562	-4240.33
378	50	0.690309	259.038	-4205.81
379	50	0.696684	259.524	-4170.98
380	50	0.703089	260.018	-4135.83
381	50	0.709522	260.522	-4100.35
382	50	0.715986	261.034	-4064.55
383	50	0.722479	261.556	-4028.43
384	50	0.729003	262.088	-3991.98
385	50	0.735557	262.629	-3955.2
386	50	0.742143	263.179	-3918.09
387	50	0.748762	263.74	-3880.65
388	50	0.755415	264.311	-3842.88
389	50	0.7621	264.892	-3804.78

390	50	0.768821	265.483	-3766.34
391	50	0.775574	266.084	-3727.56
392	50	0.782366	266.696	-3688.44
393	50	0.789191	267.319	-3648.98
394	50	0.796056	267.953	-3609.18
395	50	0.802956	268.597	-3569.03
396	50	0.809896	269.253	-3528.53
397	50	0.816874	269.921	-3487.69
398	50	0.823893	270.599	-3446.5
399	50	0.830953	271.29	-3404.95
400	50	0.838054	271.992	-3363.05
401	50	0.845198	272.707	-3320.79
402	50	0.852385	273.433	-3278.17
403	50	0.859618	274.172	-3235.19
404	50	0.866894	274.924	-3191.84
405	50	0.874218	275.688	-3148.13
406	50	0.881587	276.465	-3104.05
407	50	0.889006	277.255	-3059.6
408	50	0.896473	278.059	-3014.78
409	50	0.903992	278.876	-2969.58
410	50	0.911562	279.707	-2924
411	50	0.919183	280.552	-2878.04
412	50	0.926859	281.411	-2831.7
413	50	0.93459	282.285	-2784.97
414	50	0.942375	283.173	-2737.85
415	50	0.950222	284.076	-2690.34
416	50	0.958125	284.994	-2642.43
417	50	0.966088	285.927	-2594.13
418	50	0.974114	286.876	-2545.42
419	50	0.982202	287.841	-2496.31
420	50	0.990356	288.821	-2446.79
421	50	0.998575	289.819	-2396.86
422	50	1.00687	290.832	-2346.52
423	50	1.01522	291.863	-2295.76
424	50	1.02365	292.911	-2244.58
425	50	1.03215	293.976	-2192.97
426	50	1.04073	295.059	-2140.93
427	50	1.04939	296.161	-2088.46
428	50	1.05812	297.28	-2035.56
429	52	1.06694	298.419	-1980.08
430	54	1.07584	299.576	-1921.98
431	54	1.08482	300.753	-1863.4
432	54	1.0939	301.949	-1804.33
433	55	1.10306	303.166	-1743.66
434	55	1.11232	304.403	-1682.48
435	56	1.12168	305.662	-1619.67
436	58	1.13113	306.941	-1554.07
437	60	1.14069	308.242	-1485.62
438	60.4	1.15035	309.566	-1416.14
439	61	1.16012	310.911	-1345.38
440	62	1.17	312.28	-1272.84
441	62	1.18	313.673	-1199.68
442	63	1.19012	315.089	-1124.7
443	64	1.20036	316.53	-1047.87
444	66	1.21073	317.996	-967.967
445	68	1.22123	319.487	-884.923
446	70	1.23187	321.005	-798.692

447	71	1.24264	322.549	-710.465
448	71	1.25357	324.12	-621.462
449	72	1.26464	325.72	-530.407
450	72	1.27588	327.347	-438.544
451	72	1.28727	329.005	-345.861
452	72.8	1.29884	330.692	-251.306
453	72.8	1.31058	332.409	-155.895
454	74.8	1.32251	334.158	-56.9721
455	75	1.33462	335.939	43.1248
456	76	1.34694	337.754	145.492
457	76.3	1.35946	339.602	249.219
458	82	1.3722	341.485	361.74
459	82	1.38517	343.403	475.324
460	85	1.39838	345.359	594.186
461	89	1.41183	347.352	719.839
462	91	1.42554	349.384	849.563
463	91.1	1.43953	351.457	980.705
464	92	1.4538	353.57	1114.45
465	92	1.46838	355.726	1249.55
466	92	1.48328	357.926	1386.01
467	95	1.49852	360.172	1528.37
468	98	1.5141	362.464	1676.75
469	113	1.53007	364.806	1849.65
470	119	1.54643	367.197	2033.67
471	120	1.56322	369.641	2221.26
472	120	1.58047	372.139	2410.91
473	121	1.59819	374.693	2604.3
474	130	1.61644	377.306	2814.43
475	130	1.63524	379.98	3027.01
476	130	1.65463	382.717	3242.11
477	134	1.67466	385.522	3466.52
478	140	1.6954	388.396	3703.87
479	140	1.71688	391.344	3944.24
480	140	1.7392	394.369	4187.73
481	150	1.76241	397.475	4452.09
482	152	1.78661	400.667	4723.65
483	160	1.81191	403.95	5013.56
484	170	1.83843	407.33	5326.09
485	190	1.86629	410.813	5680.69
486	190	1.8957	414.406	6040.87
487	200	1.92684	418.119	6426.24
488	210	1.95996	421.961	6837.83
489	230	1.99539	425.942	7296.77
490	230	2.03352	430.077	7764.48
491	240	2.07485	434.382	8262.44
492	250	2.12007	438.877	8792.46
493	250	2.17009	443.586	9334.98
494	310	2.22621	448.542	10025.1
495	330	2.29036	453.788	10780.9
496	390	2.36561	459.384	11703.5
497	400	2.45727	465.422	12686.4
498	424	2.57583	472.057	13778.6
499	560	2.74777	479.608	15317.3
500	579	0	479.608	15317.3

Data Set Standard Deviation = 55.2004

Numerator = 2.3462e+008
Denominator = 7.2924e+008
W Statistic = 0.321733 = 2.3462e+008 / 7.2924e+008

5% Critical value of 0.976 exceeds 0.321733
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.321733
Evidence of non-normality at 99% level of significance

APPENDIX VI

Non-Parametric Tolerance Limit Test Results

Non-Parametric Tolerance Interval

Parameter: 1,1-Dichloroethane

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 72.8682%
Background measurements (n) = 76
Maximum Background Concentration = 5
Minimum Coverage = 96.3%
Average Coverage = 98.7013%

Location	Date	Value	Significant
II-1	**3/25/1994**	**78.7**	**TRUE**
II-1	**7/6/1994**	**67.6**	**TRUE**
II-1	9/9/1994	ND<5	FALSE
II-1	**3/17/1995**	**6.3**	**TRUE**
II-1	**7/11/1995**	**11**	**TRUE**
II-1	11/17/1995	ND<5	FALSE
II-1	**1/5/1996**	**6.9**	**TRUE**
II-1	**9/25/1996**	**25**	**TRUE**
II-1	**3/26/1997**	**7**	**TRUE**
II-1	9/17/1997	ND<5	FALSE
II-1	5/5/1998	ND<5	FALSE
II-1	10/16/1998	ND<5	FALSE
II-1	3/26/1999	ND<5	FALSE
II-1	9/22/1999	ND<5	FALSE
II-1	3/27/2000	ND<5	FALSE
II-1	9/13/2000	ND<5	FALSE
II-1	3/12/2001	ND<5	FALSE
II-1	9/13/2001	ND<5	FALSE
II-1	3/7/2002	ND<5	FALSE
II-1	9/18/2002	ND<5	FALSE
II-1	4/15/2003	ND<5	FALSE
II-1	10/16/2003	ND<5	FALSE
II-1	3/24/2004	ND<5	FALSE
II-1	9/22/2004	ND<5	FALSE
II-1	2/17/2005	ND<5	FALSE
II-1	5/11/2005	ND<5	FALSE
II-1	10/11/2005	ND<5	FALSE
II-1	4/24/2006	ND<5	FALSE
II-1	4/24/2006	ND<5	FALSE
II-1	10/19/2006	ND<5	FALSE
II-1	10/19/2006	ND<5	FALSE
II-1	4/12/2007	1.7	FALSE
II-1	9/28/2007	ND<5	FALSE
II-1	4/30/2008	1.1	FALSE
II-1	12/2/2008	2.5	FALSE
II-1	2/13/2009	ND<5	FALSE
II-1	4/17/2009	1.5	FALSE
II-1	10/16/2009	ND<5	FALSE
II-1	4/30/2010	2.3	FALSE
II-1	10/8/2010	3	FALSE
II-1	5/11/2011	1.1	FALSE
II-2	3/25/1994	ND<5	FALSE

II-2	7/6/1994	ND<5	FALSE
II-2	9/9/1994	ND<5	FALSE
II-2	3/17/1995	ND<5	FALSE
II-2	7/11/1995	ND<5	FALSE
II-2	11/17/1995	ND<5	FALSE
II-2	1/5/1996	ND<5	FALSE
II-2	9/25/1996	ND<5	FALSE
II-2	3/26/1997	ND<5	FALSE
II-2	9/17/1997	ND<5	FALSE
II-2	5/5/1998	ND<5	FALSE
II-2	**10/16/1998**	**6.8**	**TRUE**
II-2	**3/26/1999**	**13**	**TRUE**
II-2	**9/22/1999**	**9.2**	**TRUE**
II-2	3/27/2000	ND<5	FALSE
II-2	**9/13/2000**	**6.3**	**TRUE**
II-2	3/12/2001	ND<5	FALSE
II-2	**9/13/2001**	**9.5**	**TRUE**
II-2	**3/7/2002**	**9.1**	**TRUE**
II-2	**9/18/2002**	**7.1**	**TRUE**
II-2	4/15/2003	ND<5	FALSE
II-2	**10/16/2003**	**7.8**	**TRUE**
II-2	3/24/2004	ND<5	FALSE
II-2	**9/22/2004**	**20**	**TRUE**
II-2	**2/17/2005**	**16**	**TRUE**
II-2	**5/11/2005**	**12**	**TRUE**
II-2	**10/11/2005**	**17**	**TRUE**
II-2	4/24/2006	ND<5	FALSE
II-2	4/24/2006	ND<5	FALSE
II-2	**10/19/2006**	**16**	**TRUE**
II-2	**10/19/2006**	**16**	**TRUE**
II-2	**4/12/2007**	**11**	**TRUE**
II-2	**9/28/2007**	**14**	**TRUE**
II-2	**4/30/2008**	**15**	**TRUE**
II-2	**12/2/2008**	**15**	**TRUE**
II-2	2/13/2009	ND<5	FALSE
II-2	**4/17/2009**	**11**	**TRUE**
II-2	**10/16/2009**	**17**	**TRUE**
II-2	**4/30/2010**	**16**	**TRUE**
II-2	**10/8/2010**	**17**	**TRUE**
II-2	**5/11/2011**	**16**	**TRUE**

II-3	3/25/1994	ND<5	FALSE
II-3	7/6/1994	ND<5	FALSE
II-3	9/9/1994	ND<5	FALSE
II-3	3/17/1995	ND<5	FALSE
II-3	7/11/1995	ND<5	FALSE
II-3	11/17/1995	ND<5	FALSE
II-3	1/5/1996	ND<5	FALSE
II-3	9/25/1996	ND<5	FALSE
II-3	3/26/1997	ND<5	FALSE
II-3	9/17/1997	ND<5	FALSE
II-3	5/5/1998	ND<5	FALSE
II-3	10/16/1998	ND<5	FALSE
II-3	3/26/1999	ND<5	FALSE
II-3	9/22/1999	ND<5	FALSE
II-3	3/27/2000	ND<5	FALSE

II-3	9/13/2000	ND<5	FALSE
II-3	3/12/2001	ND<5	FALSE
II-3	**9/13/2001**	**7**	**TRUE**
II-3	3/7/2002	ND<5	FALSE
II-3	9/18/2002	ND<5	FALSE
II-3	4/15/2003	ND<5	FALSE
II-3	10/16/2003	ND<5	FALSE
II-3	3/24/2004	ND<5	FALSE
II-3	**9/22/2004**	**5.4**	**TRUE**
II-3	2/17/2005	ND<5	FALSE
II-3	**5/11/2005**	**6**	**TRUE**
II-3	**10/11/2005**	**6**	**TRUE**
II-3	4/24/2006	ND<5	FALSE
II-3	4/24/2006	ND<5	FALSE
II-3	**10/19/2006**	**7.3**	**TRUE**
II-3	**10/19/2006**	**7.3**	**TRUE**
II-3	**4/12/2007**	**6.9**	**TRUE**
II-3	9/28/2007	ND<5	FALSE
II-3	**4/30/2008**	**12**	**TRUE**
II-3	**12/2/2008**	**14**	**TRUE**
II-3	2/13/2009	ND<5	FALSE
II-3	**4/17/2009**	**12**	**TRUE**
II-3	**10/16/2009**	**12**	**TRUE**
II-3	**4/30/2010**	**15**	**TRUE**
II-3	**10/8/2010**	**15**	**TRUE**
II-3	**5/11/2011**	**14**	**TRUE**

II-4	3/25/1994	ND<5	FALSE
II-4	7/6/1994	ND<5	FALSE
II-4	9/9/1994	ND<5	FALSE
II-4	3/17/1995	ND<5	FALSE
II-4	7/11/1995	ND<5	FALSE
II-4	11/17/1995	ND<5	FALSE
II-4	1/5/1996	ND<5	FALSE
II-4	9/25/1996	ND<5	FALSE
II-4	3/26/1997	ND<5	FALSE
II-4	9/17/1997	ND<5	FALSE
II-4	5/5/1998	ND<5	FALSE
II-4	10/16/1998	ND<5	FALSE
II-4	3/26/1999	ND<5	FALSE
II-4	9/22/1999	ND<5	FALSE
II-4	3/27/2000	ND<5	FALSE
II-4	9/13/2000	ND<5	FALSE
II-4	3/12/2001	ND<5	FALSE
II-4	9/13/2001	ND<5	FALSE
II-4	3/7/2002	ND<5	FALSE
II-4	9/18/2002	ND<5	FALSE
II-4	4/15/2003	ND<5	FALSE
II-4	10/16/2003	ND<5	FALSE
II-4	3/24/2004	ND<5	FALSE
II-4	9/22/2004	ND<5	FALSE
II-4	5/11/2005	ND<5	FALSE
II-4	10/11/2005	ND<5	FALSE
II-4	4/24/2006	ND<5	FALSE
II-4	4/24/2006	ND<5	FALSE
II-4	10/19/2006	ND<5	FALSE

II-4	10/19/2006	ND<5	FALSE
II-4	4/12/2007	1.4	FALSE
II-4	9/28/2007	ND<5	FALSE
II-4	4/30/2008	1.4	FALSE
II-4	12/2/2008	2.3	FALSE
II-4	2/13/2009	ND<5	FALSE
II-4	4/17/2009	2.6	FALSE
II-4	10/16/2009	2.2	FALSE
II-4	4/30/2010	2.2	FALSE
II-4	10/8/2010	2.1	FALSE
II-4	5/11/2011	2.1	FALSE
II-5	**3/25/1994**	**6.5**	**TRUE**
II-5	**7/6/1994**	**7.7**	**TRUE**
II-5	9/9/1994	ND<5	FALSE
II-5	**3/17/1995**	**13.3**	**TRUE**
II-5	**7/11/1995**	**12**	**TRUE**
II-5	**11/17/1995**	**9.8**	**TRUE**
II-5	**1/5/1996**	**11**	**TRUE**
II-5	**9/25/1996**	**18**	**TRUE**
II-5	**3/26/1997**	**12**	**TRUE**
II-5	**9/17/1997**	**7.9**	**TRUE**
II-5	**5/5/1998**	**13**	**TRUE**
II-5	**10/16/1998**	**19**	**TRUE**
II-5	**3/26/1999**	**26**	**TRUE**
II-5	**9/22/1999**	**13**	**TRUE**
II-5	3/27/2000	ND<5	FALSE
II-5	**9/13/2000**	**11**	**TRUE**
II-5	**3/12/2001**	**10**	**TRUE**
II-5	**9/13/2001**	**11**	**TRUE**
II-5	**3/7/2002**	**8.7**	**TRUE**
II-5	**9/18/2002**	**7.7**	**TRUE**
II-5	**4/15/2003**	**6.3**	**TRUE**
II-5	**10/16/2003**	**5.8**	**TRUE**
II-5	**3/24/2004**	**5.5**	**TRUE**
II-5	**9/22/2004**	**7.7**	**TRUE**
II-5	5/11/2005	5	FALSE
II-5	10/11/2005	5	FALSE
II-5	4/24/2006	ND<5	FALSE
II-5	4/24/2006	ND<5	FALSE
II-5	10/19/2006	ND<5	FALSE
II-5	10/19/2006	ND<5	FALSE
II-5	4/12/2007	2	FALSE
II-5	9/28/2007	ND<5	FALSE
II-5	4/30/2008	ND<5	FALSE
II-5	12/2/2008	ND<5	FALSE
II-5	2/13/2009	ND<5	FALSE
II-5	4/17/2009	ND<5	FALSE
II-5	10/16/2009	0.62	FALSE
II-5	4/30/2010	0.91	FALSE
II-5	10/8/2010	0.74	FALSE
II-5	5/11/2011	ND<5	FALSE
II-8	7/6/1994	ND<5	FALSE
II-8	9/9/1994	ND<5	FALSE

II-8	3/17/1995	ND<5	FALSE
II-8	7/11/1995	ND<5	FALSE
II-8	11/17/1995	ND<5	FALSE
II-8	1/5/1996	ND<5	FALSE
II-8	9/25/1996	ND<5	FALSE
II-8	3/26/1997	ND<5	FALSE
II-8	9/17/1997	ND<5	FALSE
II-8	5/5/1998	ND<5	FALSE
II-8	10/16/1998	ND<5	FALSE
II-8	**3/26/1999**	**7.9**	**TRUE**
II-8	**9/22/1999**	**7.4**	**TRUE**
II-8	**3/27/2000**	**5.1**	**TRUE**
II-8	**9/13/2000**	**5.3**	**TRUE**
II-8	3/12/2001	5	FALSE
II-8	9/13/2001	ND<5	FALSE
II-8	3/7/2002	ND<5	FALSE
II-8	9/18/2002	ND<5	FALSE
II-8	4/15/2003	ND<5	FALSE
II-8	10/16/2003	ND<5	FALSE
II-8	3/24/2004	ND<5	FALSE
II-8	9/22/2004	ND<5	FALSE
II-8	5/11/2005	ND<5	FALSE
II-8	10/11/2005	ND<5	FALSE
II-8	4/24/2006	ND<5	FALSE
II-8	4/24/2006	ND<5	FALSE
II-8	10/19/2006	ND<5	FALSE
II-8	10/19/2006	ND<5	FALSE
II-8	4/12/2007	1.2	FALSE
II-8	9/28/2007	ND<5	FALSE
II-8	4/30/2008	1.2	FALSE
II-8	12/2/2008	1.2	FALSE
II-8	2/13/2009	ND<5	FALSE
II-8	4/17/2009	0.87	FALSE
II-8	10/16/2009	0.73	FALSE
II-8	4/30/2010	0.79	FALSE
II-8	10/8/2010	0.83	FALSE
II-8	5/11/2011	0.79	FALSE

I-5	9/9/1994	ND<5	FALSE
I-5	**3/17/1995**	**7.2**	**TRUE**
I-5	**7/11/1995**	**18**	**TRUE**
I-5	**11/17/1995**	**16**	**TRUE**
I-5	**1/5/1996**	**13**	**TRUE**
I-5	**9/25/1996**	**6.9**	**TRUE**
I-5	3/26/1997	ND<5	FALSE
I-5	9/17/1997	ND<5	FALSE
I-5	5/5/1998	ND<5	FALSE
I-5	10/16/1998	ND<5	FALSE
I-5	3/26/1999	ND<5	FALSE
I-5	9/22/1999	ND<5	FALSE
I-5	**3/27/2000**	**12**	**TRUE**
I-5	9/13/2000	ND<5	FALSE
I-5	3/12/2001	ND<5	FALSE
I-5	9/13/2001	ND<5	FALSE
I-5	3/7/2002	ND<5	FALSE
I-5	9/18/2002	ND<5	FALSE

I-5	4/15/2003	ND<5	FALSE
I-5	10/16/2003	ND<5	FALSE
I-5	3/24/2004	ND<5	FALSE
I-5	9/22/2004	ND<5	FALSE
I-5	5/11/2005	ND<5	FALSE
I-5	10/11/2005	ND<5	FALSE
I-5	4/24/2006	ND<5	FALSE
I-5	4/24/2006	ND<5	FALSE
I-5	10/19/2006	ND<5	FALSE
I-5	10/19/2006	ND<5	FALSE
I-5	4/12/2007	ND<5	FALSE
I-5	9/28/2007	ND<5	FALSE
I-5	4/30/2008	ND<5	FALSE
I-5	12/2/2008	ND<5	FALSE
I-5	2/13/2009	ND<5	FALSE
I-5	4/17/2009	ND<5	FALSE
I-5	10/16/2009	ND<5	FALSE
I-5	4/30/2010	ND<5	FALSE
I-5	10/8/2010	ND<5	FALSE
I-5	5/11/2011	ND<5	FALSE
II-6	3/17/1995	ND<5	FALSE
II-6	7/11/1995	ND<5	FALSE
II-6	11/17/1995	ND<5	FALSE
II-6	1/5/1996	ND<5	FALSE
II-6	9/25/1996	ND<5	FALSE
II-6	3/26/1997	ND<5	FALSE
II-6	9/17/1997	ND<5	FALSE
II-6	5/5/1998	ND<5	FALSE
II-6	10/16/1998	ND<5	FALSE
II-6	3/26/1999	ND<5	FALSE
II-6	9/22/1999	ND<5	FALSE
II-6	3/27/2000	ND<5	FALSE
II-6	9/13/2000	ND<5	FALSE
II-6	3/12/2001	ND<5	FALSE
II-6	9/13/2001	ND<5	FALSE
II-6	3/7/2002	ND<5	FALSE
II-6	9/18/2002	ND<5	FALSE
II-6	4/15/2003	ND<5	FALSE
II-6	10/16/2003	ND<5	FALSE
II-6	3/24/2004	ND<5	FALSE
II-6	9/22/2004	ND<5	FALSE
II-6	5/11/2005	ND<5	FALSE
II-6	10/11/2005	ND<5	FALSE
II-6	4/24/2006	ND<5	FALSE
II-6	4/24/2006	ND<5	FALSE
II-6	10/19/2006	ND<5	FALSE
II-6	10/19/2006	ND<5	FALSE
II-6	4/12/2007	ND<5	FALSE
II-6	9/28/2007	ND<5	FALSE
II-6	4/30/2008	ND<5	FALSE
II-6	12/2/2008	ND<5	FALSE
II-6	2/13/2009	ND<5	FALSE
II-6	4/17/2009	ND<5	FALSE
II-6	10/16/2009	ND<5	FALSE
II-6	4/30/2010	ND<5	FALSE

II-6	10/8/2010	ND<5	FALSE
II-6	5/11/2011	ND<5	FALSE
II-7	**3/17/1995**	**94**	**TRUE**
II-7	**7/11/1995**	**160**	**TRUE**
II-7	**11/17/1995**	**170**	**TRUE**
II-7	**1/5/1996**	**180**	**TRUE**
II-7	**9/25/1996**	**290**	**TRUE**
II-7	**3/26/1997**	**110**	**TRUE**
II-7	**9/17/1997**	**110**	**TRUE**
II-7	**5/5/1998**	**35**	**TRUE**
II-7	**10/16/1998**	**330**	**TRUE**
II-7	**3/26/1999**	**33**	**TRUE**
II-7	**9/22/1999**	**12**	**TRUE**
II-7	**3/27/2000**	**7.5**	**TRUE**
II-7	**9/13/2000**	**5.9**	**TRUE**
II-7	**3/12/2001**	**9.7**	**TRUE**
II-7	**9/13/2001**	**69**	**TRUE**
II-7	3/7/2002	ND<5	FALSE
II-7	**9/18/2002**	**12**	**TRUE**
II-7	4/15/2003	ND<5	FALSE
II-7	**10/16/2003**	**5.6**	**TRUE**
II-7	**3/24/2004**	**6.9**	**TRUE**
II-7	9/22/2004	ND<5	FALSE
II-7	**2/17/2005**	**7**	**TRUE**
II-7	**5/11/2005**	**9**	**TRUE**
II-7	**10/11/2005**	**9**	**TRUE**
II-7	4/24/2006	ND<5	FALSE
II-7	4/24/2006	ND<5	FALSE
II-7	10/19/2006	ND<5	FALSE
II-7	10/19/2006	ND<5	FALSE
II-7	4/12/2007	2.6	FALSE
II-7	9/28/2007	ND<5	FALSE
II-7	4/30/2008	ND<5	FALSE
II-7	12/2/2008	ND<5	FALSE
II-7	2/13/2009	ND<5	FALSE
II-7	4/17/2009	0.72	FALSE
II-7	10/16/2009	1.7	FALSE
II-7	4/30/2010	1.1	FALSE
II-7	10/8/2010	0.42	FALSE
II-7	5/11/2011	ND<5	FALSE
II-7B	3/12/2001	ND<5	FALSE
II-7B	9/13/2001	ND<5	FALSE
II-7B	3/7/2002	ND<5	FALSE
II-7B	9/18/2002	ND<5	FALSE
II-7B	4/15/2003	ND<5	FALSE
II-7B	10/16/2003	ND<5	FALSE
II-7B	3/24/2004	ND<5	FALSE
II-7B	**9/22/2004**	**5.7**	**TRUE**
II-7B	2/17/2005	ND<5	FALSE
II-7B	5/11/2005	5	FALSE
II-7B	10/11/2005	ND<5	FALSE
II-7B	4/24/2006	ND<5	FALSE
II-7B	4/24/2006	ND<5	FALSE

II-7B	10/19/2006	ND<5	FALSE
II-7B	10/19/2006	ND<5	FALSE
II-7B	4/12/2007	2.7	FALSE
II-7B	9/28/2007	ND<5	FALSE
II-7B	4/30/2008	2	FALSE
II-7B	12/2/2008	1.2	FALSE
II-7B	2/13/2009	ND<5	FALSE
II-7B	4/17/2009	0.89	FALSE
II-7B	10/16/2009	0.49	FALSE
II-7B	4/30/2010	ND<5	FALSE
II-7B	10/8/2010	ND<5	FALSE
II-7B	5/11/2011	ND<5	FALSE
II-10	5/11/2005	ND<5	FALSE
II-10	4/24/2006	ND<5	FALSE
II-10	4/24/2006	ND<5	FALSE
II-10	10/19/2006	ND<5	FALSE
II-10	10/19/2006	ND<5	FALSE
II-10	4/12/2007	ND<5	FALSE
II-10	9/28/2007	ND<5	FALSE
II-10	4/30/2008	ND<5	FALSE
II-10	12/2/2008	ND<5	FALSE
II-10	2/13/2009	ND<5	FALSE
II-10	4/17/2009	ND<5	FALSE
II-10	10/16/2009	ND<5	FALSE
II-10	4/30/2010	ND<5	FALSE
II-10	10/8/2010	ND<5	FALSE
II-10	5/11/2011	ND<5	FALSE
II-11	5/11/2005	ND<5	FALSE
II-11	4/24/2006	ND<5	FALSE
II-11	4/24/2006	ND<5	FALSE
II-11	10/19/2006	ND<5	FALSE
II-11	10/19/2006	ND<5	FALSE
II-11	4/12/2007	ND<5	FALSE
II-11	9/28/2007	ND<5	FALSE
II-11	4/30/2008	ND<5	FALSE
II-11	12/2/2008	ND<5	FALSE
II-11	2/13/2009	ND<5	FALSE
II-11	4/17/2009	ND<5	FALSE
II-11	10/16/2009	ND<5	FALSE
II-11	4/30/2010	ND<5	FALSE
II-11	10/8/2010	ND<5	FALSE
II-11	5/11/2011	ND<5	FALSE
II-12	5/11/2005	ND<5	FALSE
II-12	4/24/2006	ND<5	FALSE
II-12	4/24/2006	ND<5	FALSE
II-12	10/19/2006	ND<5	FALSE
II-12	10/19/2006	ND<5	FALSE
II-12	4/12/2007	ND<5	FALSE
II-12	9/28/2007	ND<5	FALSE
II-12	4/30/2008	ND<5	FALSE
II-12	12/2/2008	ND<5	FALSE

II-12	2/13/2009	ND<5	FALSE
II-12	4/17/2009	ND<5	FALSE
II-12	10/16/2009	ND<5	FALSE
II-12	4/30/2010	ND<5	FALSE
II-12	10/8/2010	ND<5	FALSE
II-12	5/11/2011	ND<5	FALSE
II-9	**5/11/2005**	**25**	**TRUE**
II-9	4/24/2006	ND<5	FALSE
II-9	4/24/2006	ND<5	FALSE
II-9	10/19/2006	ND<5	FALSE
II-9	10/19/2006	ND<5	FALSE
II-9	4/12/2007	ND<5	FALSE
II-9	9/28/2007	ND<5	FALSE
II-9	4/30/2008	ND<5	FALSE
II-9	12/2/2008	ND<5	FALSE
II-9	2/13/2009	ND<5	FALSE
II-9	4/17/2009	ND<5	FALSE
II-9	10/16/2009	ND<5	FALSE
II-9	4/30/2010	ND<5	FALSE
II-9	10/8/2010	ND<5	FALSE
II-9	5/11/2011	ND<5	FALSE

Non-Parametric Tolerance Interval

Parameter: cis-1,2-Dichloroethene (-ethylene)

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 90.5039%
Background measurements (n) = 76
Maximum Background Concentration = 5
Minimum Coverage = 96.3%
Average Coverage = 98.7013%

Location	Date	Value	Significant
II-1	**3/25/1994**	**7.3**	**TRUE**
II-1	**7/6/1994**	**11.5**	**TRUE**
II-1	9/9/1994	ND<5	FALSE
II-1	3/17/1995	ND<5	FALSE
II-1	7/11/1995	ND<5	FALSE
II-1	11/17/1995	ND<5	FALSE
II-1	1/5/1996	ND<5	FALSE
II-1	9/25/1996	ND<5	FALSE
II-1	3/26/1997	ND<5	FALSE
II-1	9/17/1997	ND<5	FALSE
II-1	5/5/1998	ND<5	FALSE
II-1	10/16/1998	ND<5	FALSE
II-1	3/26/1999	ND<5	FALSE
II-1	9/22/1999	ND<5	FALSE
II-1	3/27/2000	ND<5	FALSE
II-1	9/13/2000	ND<5	FALSE
II-1	3/12/2001	ND<5	FALSE
II-1	9/13/2001	ND<5	FALSE
II-1	3/7/2002	ND<5	FALSE
II-1	9/18/2002	ND<5	FALSE
II-1	4/15/2003	ND<5	FALSE
II-1	10/16/2003	ND<5	FALSE
II-1	3/24/2004	ND<5	FALSE
II-1	9/22/2004	ND<5	FALSE
II-1	2/17/2005	ND<5	FALSE
II-1	5/11/2005	ND<5	FALSE
II-1	10/11/2005	ND<5	FALSE
II-1	4/24/2006	ND<5	FALSE
II-1	4/24/2006	ND<5	FALSE
II-1	10/19/2006	ND<5	FALSE
II-1	10/19/2006	ND<5	FALSE
II-1	4/12/2007	ND<5	FALSE
II-1	9/28/2007	ND<5	FALSE
II-1	4/30/2008	ND<5	FALSE
II-1	12/2/2008	0.71	FALSE
II-1	2/13/2009	ND<5	FALSE
II-1	4/17/2009	1	FALSE
II-1	10/16/2009	3	FALSE
II-1	4/30/2010	3.3	FALSE
II-1	10/8/2010	4.2	FALSE
II-1	5/11/2011	0.88	FALSE
II-2	3/25/1994	ND<5	FALSE

II-2	7/6/1994	ND<5	FALSE
II-2	9/9/1994	ND<5	FALSE
II-2	3/17/1995	ND<5	FALSE
II-2	7/11/1995	ND<5	FALSE
II-2	11/17/1995	ND<5	FALSE
II-2	1/5/1996	ND<5	FALSE
II-2	9/25/1996	ND<5	FALSE
II-2	3/26/1997	ND<5	FALSE
II-2	9/17/1997	ND<5	FALSE
II-2	5/5/1998	ND<5	FALSE
II-2	10/16/1998	ND<5	FALSE
II-2	3/26/1999	ND<5	FALSE
II-2	9/22/1999	ND<5	FALSE
II-2	3/27/2000	ND<5	FALSE
II-2	9/13/2000	ND<5	FALSE
II-2	3/12/2001	ND<5	FALSE
II-2	9/13/2001	ND<5	FALSE
II-2	3/7/2002	ND<5	FALSE
II-2	9/18/2002	ND<5	FALSE
II-2	4/15/2003	ND<5	FALSE
II-2	10/16/2003	ND<5	FALSE
II-2	3/24/2004	ND<5	FALSE
II-2	**9/22/2004**	**5.2**	**TRUE**
II-2	**2/17/2005**	**7**	**TRUE**
II-2	5/11/2005	ND<5	FALSE
II-2	10/11/2005	5	FALSE
II-2	4/24/2006	ND<5	FALSE
II-2	4/24/2006	ND<5	FALSE
II-2	**10/19/2006**	**7.9**	**TRUE**
II-2	**10/19/2006**	**7.9**	**TRUE**
II-2	**4/12/2007**	**6.8**	**TRUE**
II-2	9/28/2007	ND<5	FALSE
II-2	**4/30/2008**	**12**	**TRUE**
II-2	**12/2/2008**	**11**	**TRUE**
II-2	2/13/2009	ND<5	FALSE
II-2	**4/17/2009**	**11**	**TRUE**
II-2	**10/16/2009**	**20**	**TRUE**
II-2	**4/30/2010**	**20**	**TRUE**
II-2	**10/8/2010**	**23**	**TRUE**
II-2	**5/11/2011**	**21**	**TRUE**

II-3	3/25/1994	ND<5	FALSE
II-3	7/6/1994	ND<5	FALSE
II-3	9/9/1994	ND<5	FALSE
II-3	3/17/1995	ND<5	FALSE
II-3	7/11/1995	ND<5	FALSE
II-3	11/17/1995	ND<5	FALSE
II-3	1/5/1996	ND<5	FALSE
II-3	9/25/1996	ND<5	FALSE
II-3	3/26/1997	ND<5	FALSE
II-3	9/17/1997	ND<5	FALSE
II-3	5/5/1998	ND<5	FALSE
II-3	10/16/1998	ND<5	FALSE
II-3	3/26/1999	ND<5	FALSE
II-3	9/22/1999	ND<5	FALSE
II-3	3/27/2000	ND<5	FALSE

II-3	9/13/2000	ND<5	FALSE
II-3	3/12/2001	ND<5	FALSE
II-3	9/13/2001	ND<5	FALSE
II-3	3/7/2002	ND<5	FALSE
II-3	9/18/2002	ND<5	FALSE
II-3	4/15/2003	ND<5	FALSE
II-3	10/16/2003	ND<5	FALSE
II-3	3/24/2004	ND<5	FALSE
II-3	9/22/2004	ND<5	FALSE
II-3	2/17/2005	ND<5	FALSE
II-3	5/11/2005	ND<5	FALSE
II-3	10/11/2005	ND<5	FALSE
II-3	4/24/2006	ND<5	FALSE
II-3	4/24/2006	ND<5	FALSE
II-3	10/19/2006	ND<5	FALSE
II-3	10/19/2006	ND<5	FALSE
II-3	4/12/2007	ND<5	FALSE
II-3	9/28/2007	ND<5	FALSE
II-3	4/30/2008	ND<5	FALSE
II-3	12/2/2008	0.52	FALSE
II-3	2/13/2009	ND<5	FALSE
II-3	4/17/2009	0.52	FALSE
II-3	10/16/2009	0.46	FALSE
II-3	4/30/2010	0.66	FALSE
II-3	10/8/2010	0.88	FALSE
II-3	5/11/2011	1.7	FALSE

II-4	3/25/1994	ND<5	FALSE
II-4	7/6/1994	ND<5	FALSE
II-4	9/9/1994	ND<5	FALSE
II-4	3/17/1995	ND<5	FALSE
II-4	7/11/1995	ND<5	FALSE
II-4	11/17/1995	ND<5	FALSE
II-4	1/5/1996	ND<5	FALSE
II-4	9/25/1996	ND<5	FALSE
II-4	3/26/1997	ND<5	FALSE
II-4	9/17/1997	ND<5	FALSE
II-4	5/5/1998	ND<5	FALSE
II-4	10/16/1998	ND<5	FALSE
II-4	3/26/1999	ND<5	FALSE
II-4	9/22/1999	ND<5	FALSE
II-4	3/27/2000	ND<5	FALSE
II-4	9/13/2000	ND<5	FALSE
II-4	3/12/2001	ND<5	FALSE
II-4	9/13/2001	ND<5	FALSE
II-4	3/7/2002	ND<5	FALSE
II-4	9/18/2002	ND<5	FALSE
II-4	4/15/2003	ND<5	FALSE
II-4	10/16/2003	ND<5	FALSE
II-4	3/24/2004	ND<5	FALSE
II-4	9/22/2004	ND<5	FALSE
II-4	5/11/2005	ND<5	FALSE
II-4	10/11/2005	ND<5	FALSE
II-4	4/24/2006	ND<5	FALSE
II-4	4/24/2006	ND<5	FALSE
II-4	10/19/2006	ND<5	FALSE

II-4	10/19/2006	ND<5	FALSE
II-4	4/12/2007	ND<5	FALSE
II-4	9/28/2007	ND<5	FALSE
II-4	4/30/2008	ND<5	FALSE
II-4	12/2/2008	ND<5	FALSE
II-4	2/13/2009	ND<5	FALSE
II-4	4/17/2009	0.49	FALSE
II-4	10/16/2009	0.47	FALSE
II-4	4/30/2010	ND<5	FALSE
II-4	10/8/2010	ND<5	FALSE
II-4	5/11/2011	ND<5	FALSE
II-5	3/25/1994	ND<5	FALSE
II-5	7/6/1994	ND<5	FALSE
II-5	9/9/1994	ND<5	FALSE
II-5	3/17/1995	ND<5	FALSE
II-5	7/11/1995	ND<5	FALSE
II-5	11/17/1995	ND<5	FALSE
II-5	1/5/1996	ND<5	FALSE
II-5	9/25/1996	ND<5	FALSE
II-5	3/26/1997	ND<5	FALSE
II-5	9/17/1997	ND<5	FALSE
II-5	5/5/1998	ND<5	FALSE
II-5	10/16/1998	ND<5	FALSE
II-5	3/26/1999	ND<5	FALSE
II-5	9/22/1999	ND<5	FALSE
II-5	3/27/2000	ND<5	FALSE
II-5	9/13/2000	ND<5	FALSE
II-5	3/12/2001	ND<5	FALSE
II-5	9/13/2001	ND<5	FALSE
II-5	3/7/2002	ND<5	FALSE
II-5	9/18/2002	ND<5	FALSE
II-5	4/15/2003	ND<5	FALSE
II-5	10/16/2003	ND<5	FALSE
II-5	3/24/2004	ND<5	FALSE
II-5	9/22/2004	ND<5	FALSE
II-5	5/11/2005	ND<5	FALSE
II-5	10/11/2005	ND<5	FALSE
II-5	4/24/2006	ND<5	FALSE
II-5	4/24/2006	ND<5	FALSE
II-5	10/19/2006	ND<5	FALSE
II-5	10/19/2006	ND<5	FALSE
II-5	4/12/2007	ND<5	FALSE
II-5	9/28/2007	ND<5	FALSE
II-5	4/30/2008	ND<5	FALSE
II-5	12/2/2008	ND<5	FALSE
II-5	2/13/2009	ND<5	FALSE
II-5	4/17/2009	ND<5	FALSE
II-5	10/16/2009	ND<5	FALSE
II-5	4/30/2010	ND<5	FALSE
II-5	10/8/2010	ND<5	FALSE
II-5	5/11/2011	ND<5	FALSE
II-8	7/6/1994	ND<5	FALSE
II-8	9/9/1994	ND<5	FALSE

II-8	3/17/1995	ND<5	FALSE
II-8	7/11/1995	ND<5	FALSE
II-8	11/17/1995	ND<5	FALSE
II-8	1/5/1996	ND<5	FALSE
II-8	9/25/1996	ND<5	FALSE
II-8	3/26/1997	ND<5	FALSE
II-8	9/17/1997	ND<5	FALSE
II-8	5/5/1998	ND<5	FALSE
II-8	10/16/1998	ND<5	FALSE
II-8	3/26/1999	ND<5	FALSE
II-8	9/22/1999	ND<5	FALSE
II-8	3/27/2000	ND<5	FALSE
II-8	9/13/2000	ND<5	FALSE
II-8	3/12/2001	ND<5	FALSE
II-8	9/13/2001	ND<5	FALSE
II-8	3/7/2002	ND<5	FALSE
II-8	9/18/2002	ND<5	FALSE
II-8	4/15/2003	ND<5	FALSE
II-8	10/16/2003	ND<5	FALSE
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II-8	4/24/2006	ND<5	FALSE
II-8	10/19/2006	ND<5	FALSE
II-8	10/19/2006	ND<5	FALSE
II-8	4/12/2007	ND<5	FALSE
II-8	9/28/2007	ND<5	FALSE
II-8	4/30/2008	ND<5	FALSE
II-8	12/2/2008	ND<5	FALSE
II-8	2/13/2009	ND<5	FALSE
II-8	4/17/2009	ND<5	FALSE
II-8	10/16/2009	ND<5	FALSE
II-8	4/30/2010	ND<5	FALSE
II-8	10/8/2010	ND<5	FALSE
II-8	5/11/2011	ND<5	FALSE

I-5	9/9/1994	ND<5	FALSE
I-5	3/17/1995	ND<5	FALSE
I-5	7/11/1995	ND<5	FALSE
I-5	11/17/1995	ND<5	FALSE
I-5	1/5/1996	ND<5	FALSE
I-5	9/25/1996	ND<5	FALSE
I-5	3/26/1997	ND<5	FALSE
I-5	9/17/1997	ND<5	FALSE
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I-5	3/26/1999	ND<5	FALSE
I-5	9/22/1999	ND<5	FALSE
I-5	3/27/2000	ND<5	FALSE
I-5	9/13/2000	ND<5	FALSE
I-5	3/12/2001	ND<5	FALSE
I-5	9/13/2001	ND<5	FALSE
I-5	3/7/2002	ND<5	FALSE
I-5	9/18/2002	ND<5	FALSE

I-5	4/15/2003	ND<5	FALSE
I-5	10/16/2003	ND<5	FALSE
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I-5	9/22/2004	ND<5	FALSE
I-5	5/11/2005	ND<5	FALSE
I-5	10/11/2005	ND<5	FALSE
I-5	4/24/2006	ND<5	FALSE
I-5	4/24/2006	ND<5	FALSE
I-5	10/19/2006	ND<5	FALSE
I-5	10/19/2006	ND<5	FALSE
I-5	4/12/2007	ND<5	FALSE
I-5	9/28/2007	ND<5	FALSE
I-5	4/30/2008	ND<5	FALSE
I-5	12/2/2008	ND<5	FALSE
I-5	2/13/2009	ND<5	FALSE
I-5	4/17/2009	ND<5	FALSE
I-5	10/16/2009	ND<5	FALSE
I-5	4/30/2010	ND<5	FALSE
I-5	10/8/2010	ND<5	FALSE
I-5	5/11/2011	ND<5	FALSE
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II-6	9/25/1996	ND<5	FALSE
II-6	3/26/1997	ND<5	FALSE
II-6	9/17/1997	ND<5	FALSE
II-6	5/5/1998	ND<5	FALSE
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II-6	9/18/2002	ND<5	FALSE
II-6	4/15/2003	ND<5	FALSE
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II-6	10/11/2005	ND<5	FALSE
II-6	4/24/2006	ND<5	FALSE
II-6	4/24/2006	ND<5	FALSE
II-6	10/19/2006	ND<5	FALSE
II-6	10/19/2006	ND<5	FALSE
II-6	4/12/2007	ND<5	FALSE
II-6	9/28/2007	ND<5	FALSE
II-6	4/30/2008	ND<5	FALSE
II-6	12/2/2008	ND<5	FALSE
II-6	2/13/2009	ND<5	FALSE
II-6	4/17/2009	ND<5	FALSE
II-6	10/16/2009	ND<5	FALSE
II-6	4/30/2010	ND<5	FALSE

II-6	10/8/2010	ND<5	FALSE
II-6	5/11/2011	ND<5	FALSE

II-7	**3/17/1995**	**34.4**	**TRUE**
II-7	**7/11/1995**	**48**	**TRUE**
II-7	**11/17/1995**	**78**	**TRUE**
II-7	**1/5/1996**	**110**	**TRUE**
II-7	**9/25/1996**	**160**	**TRUE**
II-7	**3/26/1997**	**63**	**TRUE**
II-7	**9/17/1997**	**79**	**TRUE**
II-7	**5/5/1998**	**9.7**	**TRUE**
II-7	**10/16/1998**	**200**	**TRUE**
II-7	**3/26/1999**	**6.1**	**TRUE**
II-7	9/22/1999	ND<5	FALSE
II-7	3/27/2000	ND<5	FALSE
II-7	9/13/2000	ND<5	FALSE
II-7	3/12/2001	ND<5	FALSE
II-7	**9/13/2001**	**44**	**TRUE**
II-7	3/7/2002	ND<5	FALSE
II-7	**9/18/2002**	**8**	**TRUE**
II-7	4/15/2003	ND<5	FALSE
II-7	**10/16/2003**	**6**	**TRUE**
II-7	3/24/2004	ND<5	FALSE
II-7	9/22/2004	ND<5	FALSE
II-7	2/17/2005	ND<5	FALSE
II-7	5/11/2005	ND<5	FALSE
II-7	10/11/2005	ND<5	FALSE
II-7	4/24/2006	ND<5	FALSE
II-7	4/24/2006	ND<5	FALSE
II-7	10/19/2006	ND<5	FALSE
II-7	10/19/2006	ND<5	FALSE
II-7	4/12/2007	1.1	FALSE
II-7	9/28/2007	ND<5	FALSE
II-7	4/30/2008	ND<5	FALSE
II-7	12/2/2008	ND<5	FALSE
II-7	2/13/2009	ND<5	FALSE
II-7	4/17/2009	2.3	FALSE
II-7	10/16/2009	0.94	FALSE
II-7	4/30/2010	3.6	FALSE
II-7	10/8/2010	ND<5	FALSE
II-7	5/11/2011	ND<5	FALSE

II-7B	3/12/2001	ND<5	FALSE
II-7B	9/13/2001	ND<5	FALSE
II-7B	3/7/2002	ND<5	FALSE
II-7B	9/18/2002	ND<5	FALSE
II-7B	4/15/2003	ND<5	FALSE
II-7B	10/16/2003	ND<5	FALSE
II-7B	3/24/2004	ND<5	FALSE
II-7B	9/22/2004	ND<5	FALSE
II-7B	2/17/2005	ND<5	FALSE
II-7B	5/11/2005	ND<5	FALSE
II-7B	10/11/2005	ND<5	FALSE
II-7B	4/24/2006	ND<5	FALSE
II-7B	4/24/2006	ND<5	FALSE

II-7B	10/19/2006	ND<5	FALSE
II-7B	10/19/2006	ND<5	FALSE
II-7B	4/12/2007	ND<5	FALSE
II-7B	9/28/2007	ND<5	FALSE
II-7B	4/30/2008	ND<5	FALSE
II-7B	12/2/2008	ND<5	FALSE
II-7B	2/13/2009	ND<5	FALSE
II-7B	4/17/2009	ND<5	FALSE
II-7B	10/16/2009	ND<5	FALSE
II-7B	4/30/2010	ND<5	FALSE
II-7B	10/8/2010	ND<5	FALSE
II-7B	5/11/2011	ND<5	FALSE
II-10	5/11/2005	ND<5	FALSE
II-10	4/24/2006	ND<5	FALSE
II-10	4/24/2006	ND<5	FALSE
II-10	10/19/2006	ND<5	FALSE
II-10	10/19/2006	ND<5	FALSE
II-10	4/12/2007	ND<5	FALSE
II-10	9/28/2007	ND<5	FALSE
II-10	4/30/2008	ND<5	FALSE
II-10	12/2/2008	ND<5	FALSE
II-10	2/13/2009	ND<5	FALSE
II-10	4/17/2009	ND<5	FALSE
II-10	10/16/2009	ND<5	FALSE
II-10	4/30/2010	ND<5	FALSE
II-10	10/8/2010	ND<5	FALSE
II-10	5/11/2011	ND<5	FALSE
II-11	5/11/2005	ND<5	FALSE
II-11	4/24/2006	ND<5	FALSE
II-11	4/24/2006	ND<5	FALSE
II-11	10/19/2006	ND<5	FALSE
II-11	10/19/2006	ND<5	FALSE
II-11	4/12/2007	ND<5	FALSE
II-11	9/28/2007	ND<5	FALSE
II-11	4/30/2008	ND<5	FALSE
II-11	12/2/2008	ND<5	FALSE
II-11	2/13/2009	ND<5	FALSE
II-11	4/17/2009	ND<5	FALSE
II-11	10/16/2009	ND<5	FALSE
II-11	4/30/2010	ND<5	FALSE
II-11	10/8/2010	ND<5	FALSE
II-11	5/11/2011	ND<5	FALSE
II-12	5/11/2005	ND<5	FALSE
II-12	4/24/2006	ND<5	FALSE
II-12	4/24/2006	ND<5	FALSE
II-12	10/19/2006	ND<5	FALSE
II-12	10/19/2006	ND<5	FALSE
II-12	4/12/2007	ND<5	FALSE
II-12	9/28/2007	ND<5	FALSE
II-12	4/30/2008	ND<5	FALSE
II-12	12/2/2008	ND<5	FALSE

II-12	2/13/2009	ND<5	FALSE
II-12	4/17/2009	ND<5	FALSE
II-12	10/16/2009	ND<5	FALSE
II-12	4/30/2010	ND<5	FALSE
II-12	10/8/2010	ND<5	FALSE
II-12	5/11/2011	ND<5	FALSE
II-9	**5/11/2005**	**42**	**TRUE**
II-9	**4/24/2006**	**28.7**	**TRUE**
II-9	**4/24/2006**	**28.7**	**TRUE**
II-9	10/19/2006	ND<5	FALSE
II-9	10/19/2006	ND<5	FALSE
II-9	4/12/2007	ND<5	FALSE
II-9	9/28/2007	ND<5	FALSE
II-9	4/30/2008	ND<5	FALSE
II-9	12/2/2008	ND<5	FALSE
II-9	2/13/2009	ND<5	FALSE
II-9	4/17/2009	ND<5	FALSE
II-9	10/16/2009	ND<5	FALSE
II-9	4/30/2010	ND<5	FALSE
II-9	10/8/2010	ND<5	FALSE
II-9	5/11/2011	ND<5	FALSE

Non-Parametric Tolerance Interval

Parameter: Tetrachloroethene (-ethylene)

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 92.0543%
Background measurements (n) = 76
Maximum Background Concentration = 5
Minimum Coverage = 96.3%
Average Coverage = 98.7013%

Location	Date	Value	Significant
II-1	3/25/1994	ND<5	FALSE
II-1	7/6/1994	ND<5	FALSE
II-1	9/9/1994	ND<5	FALSE
II-1	3/17/1995	ND<5	FALSE
II-1	7/11/1995	ND<5	FALSE
II-1	11/17/1995	ND<5	FALSE
II-1	1/5/1996	ND<5	FALSE
II-1	9/25/1996	ND<5	FALSE
II-1	3/26/1997	ND<5	FALSE
II-1	9/17/1997	ND<5	FALSE
II-1	5/5/1998	ND<5	FALSE
II-1	10/16/1998	ND<5	FALSE
II-1	3/26/1999	ND<5	FALSE
II-1	9/22/1999	ND<5	FALSE
II-1	3/27/2000	ND<5	FALSE
II-1	9/13/2000	ND<5	FALSE
II-1	3/12/2001	ND<5	FALSE
II-1	9/13/2001	ND<5	FALSE
II-1	3/7/2002	ND<5	FALSE
II-1	9/18/2002	ND<5	FALSE
II-1	4/15/2003	ND<5	FALSE
II-1	10/16/2003	ND<5	FALSE
II-1	3/24/2004	ND<5	FALSE
II-1	9/22/2004	ND<5	FALSE
II-1	2/17/2005	ND<5	FALSE
II-1	5/11/2005	ND<5	FALSE
II-1	10/11/2005	ND<5	FALSE
II-1	4/24/2006	ND<5	FALSE
II-1	4/24/2006	ND<5	FALSE
II-1	10/19/2006	ND<5	FALSE
II-1	10/19/2006	ND<5	FALSE
II-1	4/12/2007	ND<5	FALSE
II-1	9/28/2007	ND<5	FALSE
II-1	4/30/2008	ND<5	FALSE
II-1	12/2/2008	ND<5	FALSE
II-1	2/13/2009	ND<5	FALSE
II-1	4/17/2009	ND<5	FALSE
II-1	10/16/2009	ND<5	FALSE
II-1	4/30/2010	ND<5	FALSE
II-1	10/8/2010	ND<5	FALSE
II-1	5/11/2011	ND<5	FALSE
II-2	3/25/1994	ND<5	FALSE

II-2	7/6/1994	ND<5	FALSE
II-2	9/9/1994	ND<5	FALSE
II-2	3/17/1995	ND<5	FALSE
II-2	7/11/1995	ND<5	FALSE
II-2	11/17/1995	ND<5	FALSE
II-2	1/5/1996	ND<5	FALSE
II-2	9/25/1996	ND<5	FALSE
II-2	3/26/1997	ND<5	FALSE
II-2	9/17/1997	ND<5	FALSE
II-2	5/5/1998	ND<5	FALSE
II-2	10/16/1998	ND<5	FALSE
II-2	3/26/1999	ND<5	FALSE
II-2	9/22/1999	ND<5	FALSE
II-2	3/27/2000	ND<5	FALSE
II-2	9/13/2000	ND<5	FALSE
II-2	3/12/2001	ND<5	FALSE
II-2	9/13/2001	ND<5	FALSE
II-2	3/7/2002	ND<5	FALSE
II-2	9/18/2002	ND<5	FALSE
II-2	4/15/2003	ND<5	FALSE
II-2	10/16/2003	ND<5	FALSE
II-2	3/24/2004	ND<5	FALSE
II-2	9/22/2004	ND<5	FALSE
II-2	2/17/2005	ND<5	FALSE
II-2	5/11/2005	ND<5	FALSE
II-2	10/11/2005	ND<5	FALSE
II-2	4/24/2006	ND<5	FALSE
II-2	4/24/2006	ND<5	FALSE
II-2	**10/19/2006**	**5.2**	**TRUE**
II-2	**10/19/2006**	**5.2**	**TRUE**
II-2	**4/12/2007**	**5.1**	**TRUE**
II-2	9/28/2007	ND<5	FALSE
II-2	4/30/2008	3.5	FALSE
II-2	12/2/2008	2.8	FALSE
II-2	2/13/2009	ND<5	FALSE
II-2	4/17/2009	3.2	FALSE
II-2	**10/16/2009**	**5.2**	**TRUE**
II-2	4/30/2010	4.2	FALSE
II-2	10/8/2010	3.6	FALSE
II-2	5/11/2011	2.9	FALSE

II-3	3/25/1994	ND<5	FALSE
II-3	7/6/1994	ND<5	FALSE
II-3	9/9/1994	ND<5	FALSE
II-3	3/17/1995	ND<5	FALSE
II-3	7/11/1995	ND<5	FALSE
II-3	11/17/1995	ND<5	FALSE
II-3	1/5/1996	ND<5	FALSE
II-3	9/25/1996	ND<5	FALSE
II-3	3/26/1997	ND<5	FALSE
II-3	9/17/1997	ND<5	FALSE
II-3	5/5/1998	ND<5	FALSE
II-3	10/16/1998	ND<5	FALSE
II-3	3/26/1999	ND<5	FALSE
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II-3	3/27/2000	ND<5	FALSE

II-3	9/13/2000	ND<5	FALSE
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II-3	3/7/2002	ND<5	FALSE
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II-3	4/24/2006	ND<5	FALSE
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II-3	10/19/2006	ND<5	FALSE
II-3	4/12/2007	ND<5	FALSE
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II-3	4/30/2008	ND<5	FALSE
II-3	12/2/2008	ND<5	FALSE
II-3	2/13/2009	ND<5	FALSE
II-3	4/17/2009	ND<5	FALSE
II-3	10/16/2009	ND<5	FALSE
II-3	4/30/2010	ND<5	FALSE
II-3	10/8/2010	ND<5	FALSE
II-3	5/11/2011	ND<5	FALSE

II-4	3/25/1994	ND<5	FALSE
II-4	7/6/1994	ND<5	FALSE
II-4	9/9/1994	ND<5	FALSE
II-4	3/17/1995	ND<5	FALSE
II-4	7/11/1995	ND<5	FALSE
II-4	11/17/1995	ND<5	FALSE
II-4	1/5/1996	ND<5	FALSE
II-4	9/25/1996	ND<5	FALSE
II-4	3/26/1997	ND<5	FALSE
II-4	9/17/1997	ND<5	FALSE
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II-4	10/16/1998	ND<5	FALSE
II-4	3/26/1999	ND<5	FALSE
II-4	9/22/1999	ND<5	FALSE
II-4	3/27/2000	ND<5	FALSE
II-4	9/13/2000	ND<5	FALSE
II-4	3/12/2001	ND<5	FALSE
II-4	9/13/2001	ND<5	FALSE
II-4	3/7/2002	ND<5	FALSE
II-4	9/18/2002	ND<5	FALSE
II-4	4/15/2003	ND<5	FALSE
II-4	10/16/2003	ND<5	FALSE
II-4	3/24/2004	ND<5	FALSE
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II-4	5/11/2005	ND<5	FALSE
II-4	10/11/2005	ND<5	FALSE
II-4	4/24/2006	ND<5	FALSE
II-4	4/24/2006	ND<5	FALSE
II-4	10/19/2006	ND<5	FALSE

II-4	10/19/2006	ND<5	FALSE
II-4	4/12/2007	ND<5	FALSE
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II-4	4/30/2008	ND<5	FALSE
II-4	12/2/2008	ND<5	FALSE
II-4	2/13/2009	ND<5	FALSE
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II-5	3/25/1994	ND<5	FALSE
II-5	7/6/1994	ND<5	FALSE
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II-5	3/26/1999	ND<5	FALSE
II-5	9/22/1999	ND<5	FALSE
II-5	3/27/2000	ND<5	FALSE
II-5	9/13/2000	ND<5	FALSE
II-5	3/12/2001	ND<5	FALSE
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II-5	3/7/2002	ND<5	FALSE
II-5	9/18/2002	ND<5	FALSE
II-5	4/15/2003	ND<5	FALSE
II-5	10/16/2003	ND<5	FALSE
II-5	3/24/2004	ND<5	FALSE
II-5	9/22/2004	ND<5	FALSE
II-5	5/11/2005	ND<5	FALSE
II-5	10/11/2005	ND<5	FALSE
II-5	4/24/2006	ND<5	FALSE
II-5	4/24/2006	ND<5	FALSE
II-5	10/19/2006	ND<5	FALSE
II-5	10/19/2006	ND<5	FALSE
II-5	4/12/2007	ND<5	FALSE
II-5	9/28/2007	ND<5	FALSE
II-5	4/30/2008	ND<5	FALSE
II-5	12/2/2008	ND<5	FALSE
II-5	2/13/2009	ND<5	FALSE
II-5	4/17/2009	ND<5	FALSE
II-5	10/16/2009	ND<5	FALSE
II-5	4/30/2010	ND<5	FALSE
II-5	10/8/2010	ND<5	FALSE
II-5	5/11/2011	ND<5	FALSE
II-8	7/6/1994	ND<5	FALSE
II-8	9/9/1994	ND<5	FALSE

II-8	3/17/1995	ND<5	FALSE
II-8	7/11/1995	ND<5	FALSE
II-8	11/17/1995	ND<5	FALSE
II-8	1/5/1996	ND<5	FALSE
II-8	9/25/1996	ND<5	FALSE
II-8	3/26/1997	ND<5	FALSE
II-8	9/17/1997	ND<5	FALSE
II-8	5/5/1998	ND<5	FALSE
II-8	10/16/1998	ND<5	FALSE
II-8	3/26/1999	ND<5	FALSE
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II-8	3/27/2000	ND<5	FALSE
II-8	9/13/2000	ND<5	FALSE
II-8	3/12/2001	ND<5	FALSE
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II-8	3/7/2002	ND<5	FALSE
II-8	9/18/2002	ND<5	FALSE
II-8	4/15/2003	ND<5	FALSE
II-8	10/16/2003	ND<5	FALSE
II-8	3/24/2004	ND<5	FALSE
II-8	9/22/2004	ND<5	FALSE
II-8	5/11/2005	ND<5	FALSE
II-8	10/11/2005	ND<5	FALSE
II-8	4/24/2006	ND<5	FALSE
II-8	4/24/2006	ND<5	FALSE
II-8	10/19/2006	ND<5	FALSE
II-8	10/19/2006	ND<5	FALSE
II-8	4/12/2007	ND<5	FALSE
II-8	9/28/2007	ND<5	FALSE
II-8	4/30/2008	ND<5	FALSE
II-8	12/2/2008	ND<5	FALSE
II-8	2/13/2009	ND<5	FALSE
II-8	4/17/2009	ND<5	FALSE
II-8	10/16/2009	ND<5	FALSE
II-8	4/30/2010	ND<5	FALSE
II-8	10/8/2010	ND<5	FALSE
II-8	5/11/2011	ND<5	FALSE

I-5	9/9/1994	ND<5	FALSE
I-5	3/17/1995	ND<5	FALSE
I-5	7/11/1995	ND<5	FALSE
I-5	11/17/1995	ND<5	FALSE
I-5	1/5/1996	ND<5	FALSE
I-5	9/25/1996	ND<5	FALSE
I-5	3/26/1997	ND<5	FALSE
I-5	9/17/1997	ND<5	FALSE
I-5	5/5/1998	ND<5	FALSE
I-5	10/16/1998	ND<5	FALSE
I-5	3/26/1999	ND<5	FALSE
I-5	9/22/1999	ND<5	FALSE
I-5	3/27/2000	ND<5	FALSE
I-5	9/13/2000	ND<5	FALSE
I-5	3/12/2001	ND<5	FALSE
I-5	9/13/2001	ND<5	FALSE
I-5	3/7/2002	ND<5	FALSE
I-5	9/18/2002	ND<5	FALSE

I-5	4/15/2003	ND<5	FALSE
I-5	10/16/2003	ND<5	FALSE
I-5	3/24/2004	ND<5	FALSE
I-5	9/22/2004	ND<5	FALSE
I-5	5/11/2005	ND<5	FALSE
I-5	10/11/2005	ND<5	FALSE
I-5	4/24/2006	ND<5	FALSE
I-5	4/24/2006	ND<5	FALSE
I-5	10/19/2006	ND<5	FALSE
I-5	10/19/2006	ND<5	FALSE
I-5	4/12/2007	ND<5	FALSE
I-5	9/28/2007	ND<5	FALSE
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I-5	12/2/2008	ND<5	FALSE
I-5	2/13/2009	ND<5	FALSE
I-5	4/17/2009	ND<5	FALSE
I-5	10/16/2009	ND<5	FALSE
I-5	4/30/2010	ND<5	FALSE
I-5	10/8/2010	ND<5	FALSE
I-5	5/11/2011	ND<5	FALSE

II-6	3/17/1995	ND<5	FALSE
II-6	7/11/1995	ND<5	FALSE
II-6	11/17/1995	ND<5	FALSE
II-6	1/5/1996	ND<5	FALSE
II-6	9/25/1996	ND<5	FALSE
II-6	3/26/1997	ND<5	FALSE
II-6	9/17/1997	ND<5	FALSE
II-6	5/5/1998	ND<5	FALSE
II-6	10/16/1998	ND<5	FALSE
II-6	3/26/1999	ND<5	FALSE
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II-6	3/27/2000	ND<5	FALSE
II-6	9/13/2000	ND<5	FALSE
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II-6	3/7/2002	ND<5	FALSE
II-6	9/18/2002	ND<5	FALSE
II-6	4/15/2003	ND<5	FALSE
II-6	10/16/2003	ND<5	FALSE
II-6	3/24/2004	ND<5	FALSE
II-6	9/22/2004	ND<5	FALSE
II-6	5/11/2005	ND<5	FALSE
II-6	10/11/2005	ND<5	FALSE
II-6	4/24/2006	ND<5	FALSE
II-6	4/24/2006	ND<5	FALSE
II-6	10/19/2006	ND<5	FALSE
II-6	10/19/2006	ND<5	FALSE
II-6	4/12/2007	ND<5	FALSE
II-6	9/28/2007	ND<5	FALSE
II-6	4/30/2008	ND<5	FALSE
II-6	12/2/2008	ND<5	FALSE
II-6	2/13/2009	ND<5	FALSE
II-6	4/17/2009	ND<5	FALSE
II-6	10/16/2009	ND<5	FALSE
II-6	4/30/2010	ND<5	FALSE

II-6	10/8/2010	ND<5	FALSE
II-6	5/11/2011	ND<5	FALSE
II-7	**3/17/1995**	**95.4**	**TRUE**
II-7	**7/11/1995**	**160**	**TRUE**
II-7	**11/17/1995**	**66**	**TRUE**
II-7	**1/5/1996**	**77**	**TRUE**
II-7	**9/25/1996**	**52**	**TRUE**
II-7	**3/26/1997**	**87**	**TRUE**
II-7	**9/17/1997**	**150**	**TRUE**
II-7	**5/5/1998**	**15**	**TRUE**
II-7	**10/16/1998**	**190**	**TRUE**
II-7	**3/26/1999**	**12**	**TRUE**
II-7	**9/22/1999**	**12**	**TRUE**
II-7	**3/27/2000**	**9**	**TRUE**
II-7	**9/13/2000**	**12**	**TRUE**
II-7	**3/12/2001**	**9.6**	**TRUE**
II-7	**9/13/2001**	**20**	**TRUE**
II-7	**3/7/2002**	**7**	**TRUE**
II-7	**9/18/2002**	**8.7**	**TRUE**
II-7	4/15/2003	ND<5	FALSE
II-7	10/16/2003	ND<5	FALSE
II-7	**3/24/2004**	**6.7**	**TRUE**
II-7	9/22/2004	ND<5	FALSE
II-7	2/17/2005	5	FALSE
II-7	5/11/2005	ND<5	FALSE
II-7	10/11/2005	ND<5	FALSE
II-7	4/24/2006	ND<5	FALSE
II-7	4/24/2006	ND<5	FALSE
II-7	10/19/2006	ND<5	FALSE
II-7	10/19/2006	ND<5	FALSE
II-7	4/12/2007	3.6	FALSE
II-7	9/28/2007	ND<5	FALSE
II-7	4/30/2008	0.69	FALSE
II-7	12/2/2008	1	FALSE
II-7	2/13/2009	ND<5	FALSE
II-7	4/17/2009	0.99	FALSE
II-7	10/16/2009	0.83	FALSE
II-7	4/30/2010	0.56	FALSE
II-7	10/8/2010	ND<5	FALSE
II-7	5/11/2011	ND<5	FALSE
II-7B	3/12/2001	ND<5	FALSE
II-7B	9/13/2001	ND<5	FALSE
II-7B	3/7/2002	ND<5	FALSE
II-7B	9/18/2002	ND<5	FALSE
II-7B	4/15/2003	ND<5	FALSE
II-7B	10/16/2003	ND<5	FALSE
II-7B	3/24/2004	ND<5	FALSE
II-7B	9/22/2004	ND<5	FALSE
II-7B	2/17/2005	ND<5	FALSE
II-7B	5/11/2005	ND<5	FALSE
II-7B	10/11/2005	ND<5	FALSE
II-7B	4/24/2006	ND<5	FALSE
II-7B	4/24/2006	ND<5	FALSE

II-7B	10/19/2006	ND<5	FALSE
II-7B	10/19/2006	ND<5	FALSE
II-7B	4/12/2007	1.8	FALSE
II-7B	9/28/2007	ND<5	FALSE
II-7B	4/30/2008	0.4	FALSE
II-7B	12/2/2008	ND<5	FALSE
II-7B	2/13/2009	ND<5	FALSE
II-7B	4/17/2009	0.63	FALSE
II-7B	10/16/2009	0.51	FALSE
II-7B	4/30/2010	0.57	FALSE
II-7B	10/8/2010	0.57	FALSE
II-7B	5/11/2011	ND<5	FALSE
II-10	5/11/2005	ND<5	FALSE
II-10	4/24/2006	ND<5	FALSE
II-10	4/24/2006	ND<5	FALSE
II-10	10/19/2006	ND<5	FALSE
II-10	10/19/2006	ND<5	FALSE
II-10	4/12/2007	ND<5	FALSE
II-10	9/28/2007	ND<5	FALSE
II-10	4/30/2008	ND<5	FALSE
II-10	12/2/2008	ND<5	FALSE
II-10	2/13/2009	ND<5	FALSE
II-10	4/17/2009	ND<5	FALSE
II-10	10/16/2009	ND<5	FALSE
II-10	4/30/2010	ND<5	FALSE
II-10	10/8/2010	ND<5	FALSE
II-10	5/11/2011	ND<5	FALSE
II-11	5/11/2005	ND<5	FALSE
II-11	4/24/2006	ND<5	FALSE
II-11	4/24/2006	ND<5	FALSE
II-11	10/19/2006	ND<5	FALSE
II-11	10/19/2006	ND<5	FALSE
II-11	4/12/2007	ND<5	FALSE
II-11	9/28/2007	ND<5	FALSE
II-11	4/30/2008	ND<5	FALSE
II-11	12/2/2008	ND<5	FALSE
II-11	2/13/2009	ND<5	FALSE
II-11	4/17/2009	ND<5	FALSE
II-11	10/16/2009	ND<5	FALSE
II-11	4/30/2010	ND<5	FALSE
II-11	10/8/2010	ND<5	FALSE
II-11	5/11/2011	ND<5	FALSE
II-12	5/11/2005	ND<5	FALSE
II-12	4/24/2006	ND<5	FALSE
II-12	4/24/2006	ND<5	FALSE
II-12	10/19/2006	ND<5	FALSE
II-12	10/19/2006	ND<5	FALSE
II-12	4/12/2007	ND<5	FALSE
II-12	9/28/2007	ND<5	FALSE
II-12	4/30/2008	ND<5	FALSE
II-12	12/2/2008	ND<5	FALSE

II-12	2/13/2009	ND<5	FALSE
II-12	4/17/2009	ND<5	FALSE
II-12	10/16/2009	ND<5	FALSE
II-12	4/30/2010	ND<5	FALSE
II-12	10/8/2010	ND<5	FALSE
II-12	5/11/2011	ND<5	FALSE

II-9	5/11/2005	ND<5	FALSE
II-9	4/24/2006	ND<5	FALSE
II-9	4/24/2006	ND<5	FALSE
II-9	10/19/2006	ND<5	FALSE
II-9	10/19/2006	ND<5	FALSE
II-9	4/12/2007	ND<5	FALSE
II-9	9/28/2007	ND<5	FALSE
II-9	4/30/2008	ND<5	FALSE
II-9	12/2/2008	ND<5	FALSE
II-9	2/13/2009	ND<5	FALSE
II-9	4/17/2009	ND<5	FALSE
II-9	10/16/2009	ND<5	FALSE
II-9	4/30/2010	ND<5	FALSE
II-9	10/8/2010	ND<5	FALSE
II-9	5/11/2011	ND<5	FALSE

Non-Parametric Tolerance Interval

Parameter: Trichloroethene (-ethylene)

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 95.155%
Background measurements (n) = 76
Maximum Background Concentration = 5
Minimum Coverage = 96.3%
Average Coverage = 98.7013%

Location	Date	Value	Significant
II-1	3/25/1994	1.9	FALSE
II-1	7/6/1994	ND<5	FALSE
II-1	9/9/1994	ND<5	FALSE
II-1	3/17/1995	ND<5	FALSE
II-1	7/11/1995	ND<5	FALSE
II-1	11/17/1995	ND<5	FALSE
II-1	1/5/1996	ND<5	FALSE
II-1	9/25/1996	ND<5	FALSE
II-1	3/26/1997	ND<5	FALSE
II-1	9/17/1997	ND<5	FALSE
II-1	5/5/1998	ND<5	FALSE
II-1	10/16/1998	ND<5	FALSE
II-1	3/26/1999	ND<5	FALSE
II-1	9/22/1999	ND<5	FALSE
II-1	3/27/2000	ND<5	FALSE
II-1	9/13/2000	ND<5	FALSE
II-1	3/12/2001	ND<5	FALSE
II-1	9/13/2001	ND<5	FALSE
II-1	3/7/2002	ND<5	FALSE
II-1	9/18/2002	ND<5	FALSE
II-1	4/15/2003	ND<5	FALSE
II-1	10/16/2003	ND<5	FALSE
II-1	3/24/2004	ND<5	FALSE
II-1	9/22/2004	ND<5	FALSE
II-1	2/17/2005	ND<5	FALSE
II-1	5/11/2005	ND<5	FALSE
II-1	10/11/2005	ND<5	FALSE
II-1	4/24/2006	ND<5	FALSE
II-1	4/24/2006	ND<5	FALSE
II-1	10/19/2006	ND<5	FALSE
II-1	10/19/2006	ND<5	FALSE
II-1	4/12/2007	ND<5	FALSE
II-1	9/28/2007	ND<5	FALSE
II-1	4/30/2008	ND<5	FALSE
II-1	12/2/2008	ND<5	FALSE
II-1	2/13/2009	ND<5	FALSE
II-1	4/17/2009	ND<5	FALSE
II-1	10/16/2009	0.91	FALSE
II-1	4/30/2010	0.53	FALSE
II-1	10/8/2010	0.48	FALSE
II-1	5/11/2011	ND<5	FALSE
II-2	3/25/1994	ND<5	FALSE

II-2	7/6/1994	ND<5	FALSE
II-2	9/9/1994	ND<5	FALSE
II-2	3/17/1995	ND<5	FALSE
II-2	7/11/1995	ND<5	FALSE
II-2	11/17/1995	ND<5	FALSE
II-2	1/5/1996	ND<5	FALSE
II-2	9/25/1996	ND<5	FALSE
II-2	3/26/1997	ND<5	FALSE
II-2	9/17/1997	ND<5	FALSE
II-2	5/5/1998	ND<5	FALSE
II-2	10/16/1998	ND<5	FALSE
II-2	3/26/1999	ND<5	FALSE
II-2	9/22/1999	ND<5	FALSE
II-2	3/27/2000	ND<5	FALSE
II-2	9/13/2000	ND<5	FALSE
II-2	3/12/2001	ND<5	FALSE
II-2	9/13/2001	ND<5	FALSE
II-2	3/7/2002	ND<5	FALSE
II-2	9/18/2002	ND<5	FALSE
II-2	4/15/2003	ND<5	FALSE
II-2	10/16/2003	ND<5	FALSE
II-2	3/24/2004	ND<5	FALSE
II-2	9/22/2004	ND<5	FALSE
II-2	2/17/2005	ND<5	FALSE
II-2	5/11/2005	ND<5	FALSE
II-2	10/11/2005	ND<5	FALSE
II-2	**4/24/2006**	**5.5**	**TRUE**
II-2	**4/24/2006**	**5.5**	**TRUE**
II-2	10/19/2006	ND<5	FALSE
II-2	10/19/2006	ND<5	FALSE
II-2	4/12/2007	ND<5	FALSE
II-2	9/28/2007	ND<5	FALSE
II-2	4/30/2008	3.6	FALSE
II-2	12/2/2008	3.1	FALSE
II-2	2/13/2009	ND<5	FALSE
II-2	4/17/2009	3	FALSE
II-2	10/16/2009	4.7	FALSE
II-2	4/30/2010	4.1	FALSE
II-2	10/8/2010	3.6	FALSE
II-2	5/11/2011	3.3	FALSE

II-3	3/25/1994	ND<5	FALSE
II-3	7/6/1994	ND<5	FALSE
II-3	9/9/1994	ND<5	FALSE
II-3	3/17/1995	ND<5	FALSE
II-3	7/11/1995	ND<5	FALSE
II-3	11/17/1995	ND<5	FALSE
II-3	1/5/1996	ND<5	FALSE
II-3	9/25/1996	ND<5	FALSE
II-3	3/26/1997	ND<5	FALSE
II-3	9/17/1997	ND<5	FALSE
II-3	5/5/1998	ND<5	FALSE
II-3	10/16/1998	ND<5	FALSE
II-3	3/26/1999	ND<5	FALSE
II-3	9/22/1999	ND<5	FALSE
II-3	3/27/2000	ND<5	FALSE

II-3	9/13/2000	ND<5	FALSE
II-3	3/12/2001	ND<5	FALSE
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II-3	3/7/2002	ND<5	FALSE
II-3	9/18/2002	ND<5	FALSE
II-3	4/15/2003	ND<5	FALSE
II-3	10/16/2003	ND<5	FALSE
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II-3	5/11/2005	ND<5	FALSE
II-3	10/11/2005	ND<5	FALSE
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II-3	4/24/2006	ND<5	FALSE
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II-3	12/2/2008	ND<5	FALSE
II-3	2/13/2009	ND<5	FALSE
II-3	4/17/2009	ND<5	FALSE
II-3	10/16/2009	ND<5	FALSE
II-3	4/30/2010	ND<5	FALSE
II-3	10/8/2010	ND<5	FALSE
II-3	5/11/2011	ND<5	FALSE
II-4	3/25/1994	ND<5	FALSE
II-4	7/6/1994	ND<5	FALSE
II-4	9/9/1994	ND<5	FALSE
II-4	3/17/1995	ND<5	FALSE
II-4	7/11/1995	ND<5	FALSE
II-4	11/17/1995	ND<5	FALSE
II-4	1/5/1996	ND<5	FALSE
II-4	9/25/1996	ND<5	FALSE
II-4	3/26/1997	ND<5	FALSE
II-4	9/17/1997	ND<5	FALSE
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II-4	10/16/1998	ND<5	FALSE
II-4	3/26/1999	ND<5	FALSE
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II-4	3/27/2000	ND<5	FALSE
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II-4	3/7/2002	ND<5	FALSE
II-4	9/18/2002	ND<5	FALSE
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II-4	5/11/2005	ND<5	FALSE
II-4	10/11/2005	ND<5	FALSE
II-4	4/24/2006	ND<5	FALSE
II-4	4/24/2006	ND<5	FALSE
II-4	10/19/2006	ND<5	FALSE

II-4	10/19/2006	ND<5	FALSE
II-4	4/12/2007	ND<5	FALSE
II-4	9/28/2007	ND<5	FALSE
II-4	4/30/2008	ND<5	FALSE
II-4	12/2/2008	ND<5	FALSE
II-4	2/13/2009	ND<5	FALSE
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II-4	10/16/2009	ND<5	FALSE
II-4	4/30/2010	ND<5	FALSE
II-4	10/8/2010	ND<5	FALSE
II-4	5/11/2011	ND<5	FALSE
II-5	3/25/1994	ND<5	FALSE
II-5	7/6/1994	0.9	FALSE
II-5	9/9/1994	ND<5	FALSE
II-5	3/17/1995	ND<5	FALSE
II-5	7/11/1995	ND<5	FALSE
II-5	11/17/1995	ND<5	FALSE
II-5	1/5/1996	ND<5	FALSE
II-5	9/25/1996	ND<5	FALSE
II-5	3/26/1997	ND<5	FALSE
II-5	9/17/1997	ND<5	FALSE
II-5	5/5/1998	ND<5	FALSE
II-5	10/16/1998	ND<5	FALSE
II-5	3/26/1999	ND<5	FALSE
II-5	9/22/1999	ND<5	FALSE
II-5	3/27/2000	ND<5	FALSE
II-5	9/13/2000	ND<5	FALSE
II-5	3/12/2001	ND<5	FALSE
II-5	9/13/2001	ND<5	FALSE
II-5	3/7/2002	ND<5	FALSE
II-5	9/18/2002	ND<5	FALSE
II-5	4/15/2003	ND<5	FALSE
II-5	10/16/2003	ND<5	FALSE
II-5	3/24/2004	ND<5	FALSE
II-5	9/22/2004	ND<5	FALSE
II-5	5/11/2005	ND<5	FALSE
II-5	10/11/2005	ND<5	FALSE
II-5	4/24/2006	ND<5	FALSE
II-5	4/24/2006	ND<5	FALSE
II-5	10/19/2006	ND<5	FALSE
II-5	10/19/2006	ND<5	FALSE
II-5	4/12/2007	ND<5	FALSE
II-5	9/28/2007	ND<5	FALSE
II-5	4/30/2008	ND<5	FALSE
II-5	12/2/2008	ND<5	FALSE
II-5	2/13/2009	ND<5	FALSE
II-5	4/17/2009	ND<5	FALSE
II-5	10/16/2009	ND<5	FALSE
II-5	4/30/2010	ND<5	FALSE
II-5	10/8/2010	ND<5	FALSE
II-5	5/11/2011	ND<5	FALSE
II-8	7/6/1994	ND<5	FALSE
II-8	9/9/1994	ND<5	FALSE

II-8	3/17/1995	ND<5	FALSE
II-8	7/11/1995	ND<5	FALSE
II-8	11/17/1995	ND<5	FALSE
II-8	1/5/1996	ND<5	FALSE
II-8	9/25/1996	ND<5	FALSE
II-8	3/26/1997	ND<5	FALSE
II-8	9/17/1997	ND<5	FALSE
II-8	5/5/1998	ND<5	FALSE
II-8	10/16/1998	ND<5	FALSE
II-8	3/26/1999	ND<5	FALSE
II-8	9/22/1999	ND<5	FALSE
II-8	3/27/2000	ND<5	FALSE
II-8	9/13/2000	ND<5	FALSE
II-8	3/12/2001	ND<5	FALSE
II-8	9/13/2001	ND<5	FALSE
II-8	3/7/2002	ND<5	FALSE
II-8	9/18/2002	ND<5	FALSE
II-8	4/15/2003	ND<5	FALSE
II-8	10/16/2003	ND<5	FALSE
II-8	3/24/2004	ND<5	FALSE
II-8	9/22/2004	ND<5	FALSE
II-8	5/11/2005	ND<5	FALSE
II-8	10/11/2005	ND<5	FALSE
II-8	4/24/2006	ND<5	FALSE
II-8	4/24/2006	ND<5	FALSE
II-8	10/19/2006	ND<5	FALSE
II-8	10/19/2006	ND<5	FALSE
II-8	4/12/2007	ND<5	FALSE
II-8	9/28/2007	ND<5	FALSE
II-8	4/30/2008	ND<5	FALSE
II-8	12/2/2008	ND<5	FALSE
II-8	2/13/2009	ND<5	FALSE
II-8	4/17/2009	ND<5	FALSE
II-8	10/16/2009	ND<5	FALSE
II-8	4/30/2010	ND<5	FALSE
II-8	10/8/2010	ND<5	FALSE
II-8	5/11/2011	ND<5	FALSE

I-5	9/9/1994	ND<5	FALSE
I-5	3/17/1995	ND<5	FALSE
I-5	7/11/1995	ND<5	FALSE
I-5	11/17/1995	ND<5	FALSE
I-5	1/5/1996	ND<5	FALSE
I-5	9/25/1996	ND<5	FALSE
I-5	3/26/1997	ND<5	FALSE
I-5	9/17/1997	ND<5	FALSE
I-5	5/5/1998	ND<5	FALSE
I-5	10/16/1998	ND<5	FALSE
I-5	3/26/1999	ND<5	FALSE
I-5	9/22/1999	ND<5	FALSE
I-5	3/27/2000	ND<5	FALSE
I-5	9/13/2000	ND<5	FALSE
I-5	3/12/2001	ND<5	FALSE
I-5	9/13/2001	ND<5	FALSE
I-5	3/7/2002	ND<5	FALSE
I-5	9/18/2002	ND<5	FALSE

I-5	4/15/2003	ND<5	FALSE
I-5	10/16/2003	ND<5	FALSE
I-5	3/24/2004	ND<5	FALSE
I-5	9/22/2004	ND<5	FALSE
I-5	5/11/2005	ND<5	FALSE
I-5	10/11/2005	ND<5	FALSE
I-5	4/24/2006	ND<5	FALSE
I-5	4/24/2006	ND<5	FALSE
I-5	10/19/2006	ND<5	FALSE
I-5	10/19/2006	ND<5	FALSE
I-5	4/12/2007	ND<5	FALSE
I-5	9/28/2007	ND<5	FALSE
I-5	4/30/2008	ND<5	FALSE
I-5	12/2/2008	ND<5	FALSE
I-5	2/13/2009	ND<5	FALSE
I-5	4/17/2009	ND<5	FALSE
I-5	10/16/2009	ND<5	FALSE
I-5	4/30/2010	ND<5	FALSE
I-5	10/8/2010	ND<5	FALSE
I-5	5/11/2011	ND<5	FALSE

II-6	3/17/1995	ND<5	FALSE
II-6	7/11/1995	ND<5	FALSE
II-6	11/17/1995	ND<5	FALSE
II-6	1/5/1996	ND<5	FALSE
II-6	9/25/1996	ND<5	FALSE
II-6	3/26/1997	ND<5	FALSE
II-6	9/17/1997	ND<5	FALSE
II-6	5/5/1998	ND<5	FALSE
II-6	10/16/1998	ND<5	FALSE
II-6	3/26/1999	ND<5	FALSE
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II-6	3/27/2000	ND<5	FALSE
II-6	9/13/2000	ND<5	FALSE
II-6	3/12/2001	ND<5	FALSE
II-6	9/13/2001	ND<5	FALSE
II-6	3/7/2002	ND<5	FALSE
II-6	9/18/2002	ND<5	FALSE
II-6	4/15/2003	ND<5	FALSE
II-6	10/16/2003	ND<5	FALSE
II-6	3/24/2004	ND<5	FALSE
II-6	9/22/2004	ND<5	FALSE
II-6	5/11/2005	ND<5	FALSE
II-6	10/11/2005	ND<5	FALSE
II-6	4/24/2006	ND<5	FALSE
II-6	4/24/2006	ND<5	FALSE
II-6	10/19/2006	ND<5	FALSE
II-6	10/19/2006	ND<5	FALSE
II-6	4/12/2007	ND<5	FALSE
II-6	9/28/2007	ND<5	FALSE
II-6	4/30/2008	ND<5	FALSE
II-6	12/2/2008	ND<5	FALSE
II-6	2/13/2009	ND<5	FALSE
II-6	4/17/2009	ND<5	FALSE
II-6	10/16/2009	ND<5	FALSE
II-6	4/30/2010	ND<5	FALSE

II-6	10/8/2010	ND<5	FALSE
II-6	5/11/2011	ND<5	FALSE
II-7	**3/17/1995**	**56.2**	**TRUE**
II-7	**7/11/1995**	**93**	**TRUE**
II-7	**11/17/1995**	**73**	**TRUE**
II-7	**1/5/1996**	**82**	**TRUE**
II-7	**9/25/1996**	**100**	**TRUE**
II-7	**3/26/1997**	**63**	**TRUE**
II-7	**9/17/1997**	**90**	**TRUE**
II-7	**5/5/1998**	**10**	**TRUE**
II-7	**10/16/1998**	**180**	**TRUE**
II-7	3/26/1999	ND<5	FALSE
II-7	9/22/1999	ND<5	FALSE
II-7	3/27/2000	ND<5	FALSE
II-7	9/13/2000	ND<5	FALSE
II-7	3/12/2001	ND<5	FALSE
II-7	**9/13/2001**	**20**	**TRUE**
II-7	3/7/2002	ND<5	FALSE
II-7	9/18/2002	ND<5	FALSE
II-7	4/15/2003	ND<5	FALSE
II-7	10/16/2003	ND<5	FALSE
II-7	3/24/2004	ND<5	FALSE
II-7	9/22/2004	ND<5	FALSE
II-7	2/17/2005	ND<5	FALSE
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II-7	10/11/2005	ND<5	FALSE
II-7	4/24/2006	ND<5	FALSE
II-7	4/24/2006	ND<5	FALSE
II-7	10/19/2006	ND<5	FALSE
II-7	10/19/2006	ND<5	FALSE
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II-7	4/30/2008	ND<5	FALSE
II-7	12/2/2008	ND<5	FALSE
II-7	2/13/2009	ND<5	FALSE
II-7	4/17/2009	ND<5	FALSE
II-7	10/16/2009	0.48	FALSE
II-7	4/30/2010	ND<5	FALSE
II-7	10/8/2010	ND<5	FALSE
II-7	5/11/2011	ND<5	FALSE
II-7B	3/12/2001	ND<5	FALSE
II-7B	9/13/2001	ND<5	FALSE
II-7B	3/7/2002	ND<5	FALSE
II-7B	9/18/2002	ND<5	FALSE
II-7B	4/15/2003	ND<5	FALSE
II-7B	10/16/2003	ND<5	FALSE
II-7B	3/24/2004	ND<5	FALSE
II-7B	9/22/2004	ND<5	FALSE
II-7B	2/17/2005	ND<5	FALSE
II-7B	5/11/2005	ND<5	FALSE
II-7B	10/11/2005	ND<5	FALSE
II-7B	4/24/2006	ND<5	FALSE
II-7B	4/24/2006	ND<5	FALSE

II-7B	10/19/2006	ND<5	FALSE
II-7B	10/19/2006	ND<5	FALSE
II-7B	4/12/2007	ND<5	FALSE
II-7B	9/28/2007	ND<5	FALSE
II-7B	4/30/2008	ND<5	FALSE
II-7B	12/2/2008	ND<5	FALSE
II-7B	2/13/2009	ND<5	FALSE
II-7B	4/17/2009	ND<5	FALSE
II-7B	10/16/2009	ND<5	FALSE
II-7B	4/30/2010	ND<5	FALSE
II-7B	10/8/2010	ND<5	FALSE
II-7B	5/11/2011	ND<5	FALSE
II-10	5/11/2005	ND<5	FALSE
II-10	4/24/2006	ND<5	FALSE
II-10	4/24/2006	ND<5	FALSE
II-10	10/19/2006	ND<5	FALSE
II-10	10/19/2006	ND<5	FALSE
II-10	4/12/2007	ND<5	FALSE
II-10	9/28/2007	ND<5	FALSE
II-10	4/30/2008	ND<5	FALSE
II-10	12/2/2008	ND<5	FALSE
II-10	2/13/2009	ND<5	FALSE
II-10	4/17/2009	ND<5	FALSE
II-10	10/16/2009	ND<5	FALSE
II-10	4/30/2010	ND<5	FALSE
II-10	10/8/2010	ND<5	FALSE
II-10	5/11/2011	ND<5	FALSE
II-11	5/11/2005	ND<5	FALSE
II-11	4/24/2006	ND<5	FALSE
II-11	4/24/2006	ND<5	FALSE
II-11	10/19/2006	ND<5	FALSE
II-11	10/19/2006	ND<5	FALSE
II-11	4/12/2007	ND<5	FALSE
II-11	9/28/2007	ND<5	FALSE
II-11	4/30/2008	ND<5	FALSE
II-11	12/2/2008	ND<5	FALSE
II-11	2/13/2009	ND<5	FALSE
II-11	4/17/2009	ND<5	FALSE
II-11	10/16/2009	ND<5	FALSE
II-11	4/30/2010	ND<5	FALSE
II-11	10/8/2010	ND<5	FALSE
II-11	5/11/2011	ND<5	FALSE
II-12	5/11/2005	ND<5	FALSE
II-12	4/24/2006	ND<5	FALSE
II-12	4/24/2006	ND<5	FALSE
II-12	10/19/2006	ND<5	FALSE
II-12	10/19/2006	ND<5	FALSE
II-12	4/12/2007	ND<5	FALSE
II-12	9/28/2007	ND<5	FALSE
II-12	4/30/2008	ND<5	FALSE
II-12	12/2/2008	ND<5	FALSE

II-12	2/13/2009	ND<5	FALSE
II-12	4/17/2009	ND<5	FALSE
II-12	10/16/2009	ND<5	FALSE
II-12	4/30/2010	ND<5	FALSE
II-12	10/8/2010	ND<5	FALSE
II-12	5/11/2011	ND<5	FALSE

II-9	5/11/2005	ND<5	FALSE
II-9	4/24/2006	ND<5	FALSE
II-9	4/24/2006	ND<5	FALSE
II-9	10/19/2006	ND<5	FALSE
II-9	10/19/2006	ND<5	FALSE
II-9	4/12/2007	ND<5	FALSE
II-9	9/28/2007	ND<5	FALSE
II-9	4/30/2008	ND<5	FALSE
II-9	12/2/2008	ND<5	FALSE
II-9	2/13/2009	ND<5	FALSE
II-9	4/17/2009	ND<5	FALSE
II-9	10/16/2009	ND<5	FALSE
II-9	4/30/2010	ND<5	FALSE
II-9	10/8/2010	ND<5	FALSE
II-9	5/11/2011	ND<5	FALSE

Non-Parametric Tolerance Interval

Parameter: Trichlorofluoromethane

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 93.6047%
Background measurements (n) = 76
Maximum Background Concentration = 5
Minimum Coverage = 96.3%
Average Coverage = 98.7013%

Location	Date	Value	Significant
II-1	3/25/1994	ND<5	FALSE
II-1	7/6/1994	ND<5	FALSE
II-1	9/9/1994	ND<5	FALSE
II-1	3/17/1995	ND<5	FALSE
II-1	7/11/1995	ND<5	FALSE
II-1	11/17/1995	ND<5	FALSE
II-1	1/5/1996	ND<5	FALSE
II-1	9/25/1996	ND<5	FALSE
II-1	3/26/1997	ND<5	FALSE
II-1	9/17/1997	ND<5	FALSE
II-1	5/5/1998	ND<5	FALSE
II-1	10/16/1998	ND<5	FALSE
II-1	**3/26/1999**	**38**	**TRUE**
II-1	9/22/1999	ND<5	FALSE
II-1	3/27/2000	ND<5	FALSE
II-1	9/13/2000	ND<5	FALSE
II-1	3/12/2001	ND<5	FALSE
II-1	9/13/2001	ND<5	FALSE
II-1	3/7/2002	ND<5	FALSE
II-1	9/18/2002	ND<5	FALSE
II-1	4/15/2003	ND<5	FALSE
II-1	10/16/2003	ND<5	FALSE
II-1	3/24/2004	ND<5	FALSE
II-1	9/22/2004	ND<5	FALSE
II-1	2/17/2005	ND<5	FALSE
II-1	5/11/2005	ND<5	FALSE
II-1	10/11/2005	ND<5	FALSE
II-1	4/24/2006	ND<5	FALSE
II-1	4/24/2006	ND<5	FALSE
II-1	10/19/2006	ND<5	FALSE
II-1	10/19/2006	ND<5	FALSE
II-1	4/12/2007	ND<5	FALSE
II-1	9/28/2007	ND<5	FALSE
II-1	4/30/2008	ND<5	FALSE
II-1	12/2/2008	ND<5	FALSE
II-1	2/13/2009	ND<5	FALSE
II-1	4/17/2009	ND<5	FALSE
II-1	10/16/2009	ND<5	FALSE
II-1	4/30/2010	ND<5	FALSE
II-1	10/8/2010	ND<5	FALSE
II-1	5/11/2011	ND<5	FALSE
II-2	3/25/1994	ND<5	FALSE

II-2	7/6/1994	ND<5	FALSE
II-2	9/9/1994	ND<5	FALSE
II-2	3/17/1995	ND<5	FALSE
II-2	7/11/1995	ND<5	FALSE
II-2	11/17/1995	ND<5	FALSE
II-2	1/5/1996	ND<5	FALSE
II-2	**9/25/1996**	**16**	**TRUE**
II-2	3/26/1997	ND<5	FALSE
II-2	**9/17/1997**	**26**	**TRUE**
II-2	**5/5/1998**	**11**	**TRUE**
II-2	**10/16/1998**	**27**	**TRUE**
II-2	**3/26/1999**	**34**	**TRUE**
II-2	**9/22/1999**	**30**	**TRUE**
II-2	**3/27/2000**	**14**	**TRUE**
II-2	**9/13/2000**	**20**	**TRUE**
II-2	**3/12/2001**	**14**	**TRUE**
II-2	**9/13/2001**	**23**	**TRUE**
II-2	**3/7/2002**	**17**	**TRUE**
II-2	**9/18/2002**	**16**	**TRUE**
II-2	**4/15/2003**	**5.2**	**TRUE**
II-2	**10/16/2003**	**14**	**TRUE**
II-2	**3/24/2004**	**5.6**	**TRUE**
II-2	**9/22/2004**	**21**	**TRUE**
II-2	**2/17/2005**	**14**	**TRUE**
II-2	**5/11/2005**	**7**	**TRUE**
II-2	**10/11/2005**	**10**	**TRUE**
II-2	**4/24/2006**	**12.3**	**TRUE**
II-2	**4/24/2006**	**12.3**	**TRUE**
II-2	**10/19/2006**	**13**	**TRUE**
II-2	**10/19/2006**	**13**	**TRUE**
II-2	**4/12/2007**	**6.5**	**TRUE**
II-2	9/28/2007	ND<5	FALSE
II-2	4/30/2008	4.2	FALSE
II-2	12/2/2008	3.9	FALSE
II-2	2/13/2009	ND<5	FALSE
II-2	4/17/2009	2.5	FALSE
II-2	10/16/2009	4.1	FALSE
II-2	4/30/2010	2.7	FALSE
II-2	10/8/2010	2.3	FALSE
II-2	5/11/2011	1.2	FALSE

II-3	3/25/1994	ND<5	FALSE
II-3	7/6/1994	ND<5	FALSE
II-3	9/9/1994	ND<5	FALSE
II-3	3/17/1995	ND<5	FALSE
II-3	7/11/1995	ND<5	FALSE
II-3	11/17/1995	ND<5	FALSE
II-3	1/5/1996	ND<5	FALSE
II-3	9/25/1996	ND<5	FALSE
II-3	3/26/1997	ND<5	FALSE
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II-3	9/13/2000	ND<5	FALSE
II-3	3/12/2001	ND<5	FALSE
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II-3	3/7/2002	ND<5	FALSE
II-3	9/18/2002	ND<5	FALSE
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II-3	4/24/2006	ND<5	FALSE
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II-3	10/19/2006	ND<5	FALSE
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II-3	4/30/2008	ND<5	FALSE
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II-3	2/13/2009	ND<5	FALSE
II-3	4/17/2009	ND<5	FALSE
II-3	10/16/2009	ND<5	FALSE
II-3	4/30/2010	ND<5	FALSE
II-3	10/8/2010	ND<5	FALSE
II-3	5/11/2011	ND<5	FALSE

II-4	3/25/1994	ND<5	FALSE
II-4	7/6/1994	ND<5	FALSE
II-4	9/9/1994	ND<5	FALSE
II-4	3/17/1995	ND<5	FALSE
II-4	7/11/1995	ND<5	FALSE
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II-4	3/7/2002	ND<5	FALSE
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II-4	5/11/2005	ND<5	FALSE
II-4	10/11/2005	ND<5	FALSE
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II-4	4/24/2006	ND<5	FALSE
II-4	10/19/2006	ND<5	FALSE

II-4	10/19/2006	ND<5	FALSE
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II-4	10/8/2010	ND<5	FALSE
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II-5	11/17/1995	ND<5	FALSE
II-5	1/5/1996	ND<5	FALSE
II-5	9/25/1996	ND<5	FALSE
II-5	3/26/1997	ND<5	FALSE
II-5	9/17/1997	ND<5	FALSE
II-5	5/5/1998	ND<5	FALSE
II-5	10/16/1998	ND<5	FALSE
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II-5	3/27/2000	ND<5	FALSE
II-5	9/13/2000	ND<5	FALSE
II-5	3/12/2001	ND<5	FALSE
II-5	9/13/2001	ND<5	FALSE
II-5	3/7/2002	ND<5	FALSE
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II-5	3/24/2004	ND<5	FALSE
II-5	9/22/2004	ND<5	FALSE
II-5	5/11/2005	ND<5	FALSE
II-5	10/11/2005	ND<5	FALSE
II-5	4/24/2006	ND<5	FALSE
II-5	4/24/2006	ND<5	FALSE
II-5	10/19/2006	ND<5	FALSE
II-5	10/19/2006	ND<5	FALSE
II-5	4/12/2007	ND<5	FALSE
II-5	9/28/2007	ND<5	FALSE
II-5	4/30/2008	ND<5	FALSE
II-5	12/2/2008	ND<5	FALSE
II-5	2/13/2009	ND<5	FALSE
II-5	4/17/2009	ND<5	FALSE
II-5	10/16/2009	ND<5	FALSE
II-5	4/30/2010	ND<5	FALSE
II-5	10/8/2010	ND<5	FALSE
II-5	5/11/2011	ND<5	FALSE
II-8	7/6/1994	ND<5	FALSE
II-8	9/9/1994	ND<5	FALSE

II-8	3/17/1995	ND<5	FALSE
II-8	7/11/1995	ND<5	FALSE
II-8	11/17/1995	ND<5	FALSE
II-8	1/5/1996	ND<5	FALSE
II-8	9/25/1996	ND<5	FALSE
II-8	3/26/1997	ND<5	FALSE
II-8	9/17/1997	ND<5	FALSE
II-8	5/5/1998	ND<5	FALSE
II-8	10/16/1998	ND<5	FALSE
II-8	3/26/1999	ND<5	FALSE
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II-8	3/27/2000	ND<5	FALSE
II-8	9/13/2000	ND<5	FALSE
II-8	3/12/2001	ND<5	FALSE
II-8	9/13/2001	ND<5	FALSE
II-8	3/7/2002	ND<5	FALSE
II-8	9/18/2002	ND<5	FALSE
II-8	4/15/2003	ND<5	FALSE
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II-8	3/24/2004	ND<5	FALSE
II-8	9/22/2004	ND<5	FALSE
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II-8	4/30/2008	ND<5	FALSE
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II-8	2/13/2009	ND<5	FALSE
II-8	4/17/2009	ND<5	FALSE
II-8	10/16/2009	ND<5	FALSE
II-8	4/30/2010	ND<5	FALSE
II-8	10/8/2010	ND<5	FALSE
II-8	5/11/2011	ND<5	FALSE

I-5	9/9/1994	ND<5	FALSE
I-5	3/17/1995	ND<5	FALSE
I-5	7/11/1995	ND<5	FALSE
I-5	11/17/1995	ND<5	FALSE
I-5	1/5/1996	ND<5	FALSE
I-5	9/25/1996	ND<5	FALSE
I-5	3/26/1997	ND<5	FALSE
I-5	9/17/1997	ND<5	FALSE
I-5	5/5/1998	ND<5	FALSE
I-5	10/16/1998	ND<5	FALSE
I-5	3/26/1999	ND<5	FALSE
I-5	9/22/1999	ND<5	FALSE
I-5	3/27/2000	ND<5	FALSE
I-5	9/13/2000	ND<5	FALSE
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I-5	9/18/2002	ND<5	FALSE

I-5	4/15/2003	ND<5	FALSE
I-5	10/16/2003	ND<5	FALSE
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I-5	4/24/2006	ND<5	FALSE
I-5	4/24/2006	ND<5	FALSE
I-5	10/19/2006	ND<5	FALSE
I-5	10/19/2006	ND<5	FALSE
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I-5	2/13/2009	ND<5	FALSE
I-5	4/17/2009	ND<5	FALSE
I-5	10/16/2009	ND<5	FALSE
I-5	4/30/2010	ND<5	FALSE
I-5	10/8/2010	ND<5	FALSE
I-5	5/11/2011	ND<5	FALSE

II-6	3/17/1995	ND<5	FALSE
II-6	7/11/1995	ND<5	FALSE
II-6	11/17/1995	ND<5	FALSE
II-6	1/5/1996	ND<5	FALSE
II-6	9/25/1996	ND<5	FALSE
II-6	3/26/1997	ND<5	FALSE
II-6	9/17/1997	ND<5	FALSE
II-6	5/5/1998	ND<5	FALSE
II-6	10/16/1998	ND<5	FALSE
II-6	**3/26/1999**	**28**	**TRUE**
II-6	9/22/1999	ND<5	FALSE
II-6	3/27/2000	ND<5	FALSE
II-6	9/13/2000	ND<5	FALSE
II-6	3/12/2001	ND<5	FALSE
II-6	9/13/2001	ND<5	FALSE
II-6	3/7/2002	ND<5	FALSE
II-6	9/18/2002	ND<5	FALSE
II-6	4/15/2003	ND<5	FALSE
II-6	10/16/2003	ND<5	FALSE
II-6	3/24/2004	ND<5	FALSE
II-6	9/22/2004	ND<5	FALSE
II-6	5/11/2005	ND<5	FALSE
II-6	10/11/2005	ND<5	FALSE
II-6	4/24/2006	ND<5	FALSE
II-6	4/24/2006	ND<5	FALSE
II-6	10/19/2006	ND<5	FALSE
II-6	10/19/2006	ND<5	FALSE
II-6	4/12/2007	ND<5	FALSE
II-6	9/28/2007	ND<5	FALSE
II-6	4/30/2008	ND<5	FALSE
II-6	12/2/2008	ND<5	FALSE
II-6	2/13/2009	ND<5	FALSE
II-6	4/17/2009	ND<5	FALSE
II-6	10/16/2009	ND<5	FALSE
II-6	4/30/2010	ND<5	FALSE

II-6	10/8/2010	ND<5	FALSE
II-6	5/11/2011	ND<5	FALSE
II-7	3/17/1995	ND<5	FALSE
II-7	7/11/1995	ND<5	FALSE
II-7	11/17/1995	ND<5	FALSE
II-7	1/5/1996	ND<5	FALSE
II-7	9/25/1996	ND<5	FALSE
II-7	3/26/1997	ND<5	FALSE
II-7	9/17/1997	ND<5	FALSE
II-7	5/5/1998	ND<5	FALSE
II-7	10/16/1998	ND<5	FALSE
II-7	3/26/1999	ND<5	FALSE
II-7	9/22/1999	ND<5	FALSE
II-7	3/27/2000	ND<5	FALSE
II-7	9/13/2000	ND<5	FALSE
II-7	3/12/2001	ND<5	FALSE
II-7	9/13/2001	ND<5	FALSE
II-7	3/7/2002	ND<5	FALSE
II-7	9/18/2002	ND<5	FALSE
II-7	4/15/2003	ND<5	FALSE
II-7	10/16/2003	ND<5	FALSE
II-7	3/24/2004	ND<5	FALSE
II-7	9/22/2004	ND<5	FALSE
II-7	2/17/2005	ND<5	FALSE
II-7	5/11/2005	ND<5	FALSE
II-7	10/11/2005	ND<5	FALSE
II-7	4/24/2006	ND<5	FALSE
II-7	4/24/2006	ND<5	FALSE
II-7	10/19/2006	ND<5	FALSE
II-7	10/19/2006	ND<5	FALSE
II-7	4/12/2007	ND<5	FALSE
II-7	9/28/2007	ND<5	FALSE
II-7	4/30/2008	ND<5	FALSE
II-7	12/2/2008	ND<5	FALSE
II-7	2/13/2009	ND<5	FALSE
II-7	4/17/2009	ND<5	FALSE
II-7	10/16/2009	ND<5	FALSE
II-7	4/30/2010	ND<5	FALSE
II-7	10/8/2010	ND<5	FALSE
II-7	5/11/2011	ND<5	FALSE
II-7B	3/12/2001	ND<5	FALSE
II-7B	9/13/2001	ND<5	FALSE
II-7B	3/7/2002	ND<5	FALSE
II-7B	9/18/2002	ND<5	FALSE
II-7B	4/15/2003	ND<5	FALSE
II-7B	10/16/2003	ND<5	FALSE
II-7B	3/24/2004	ND<5	FALSE
II-7B	9/22/2004	ND<5	FALSE
II-7B	2/17/2005	ND<5	FALSE
II-7B	5/11/2005	ND<5	FALSE
II-7B	10/11/2005	ND<5	FALSE
II-7B	4/24/2006	ND<5	FALSE
II-7B	4/24/2006	ND<5	FALSE

II-7B	10/19/2006	ND<5	FALSE
II-7B	10/19/2006	ND<5	FALSE
II-7B	4/12/2007	ND<5	FALSE
II-7B	9/28/2007	ND<5	FALSE
II-7B	4/30/2008	ND<5	FALSE
II-7B	12/2/2008	ND<5	FALSE
II-7B	2/13/2009	ND<5	FALSE
II-7B	4/17/2009	ND<5	FALSE
II-7B	10/16/2009	ND<5	FALSE
II-7B	4/30/2010	ND<5	FALSE
II-7B	10/8/2010	ND<5	FALSE
II-7B	5/11/2011	ND<5	FALSE
II-10	5/11/2005	ND<5	FALSE
II-10	4/24/2006	ND<5	FALSE
II-10	4/24/2006	ND<5	FALSE
II-10	10/19/2006	ND<5	FALSE
II-10	10/19/2006	ND<5	FALSE
II-10	4/12/2007	ND<5	FALSE
II-10	9/28/2007	ND<5	FALSE
II-10	4/30/2008	ND<5	FALSE
II-10	12/2/2008	ND<5	FALSE
II-10	2/13/2009	ND<5	FALSE
II-10	4/17/2009	ND<5	FALSE
II-10	10/16/2009	ND<5	FALSE
II-10	4/30/2010	ND<5	FALSE
II-10	10/8/2010	ND<5	FALSE
II-10	5/11/2011	ND<5	FALSE
II-11	5/11/2005	ND<5	FALSE
II-11	4/24/2006	ND<5	FALSE
II-11	4/24/2006	ND<5	FALSE
II-11	10/19/2006	ND<5	FALSE
II-11	10/19/2006	ND<5	FALSE
II-11	4/12/2007	ND<5	FALSE
II-11	9/28/2007	ND<5	FALSE
II-11	4/30/2008	ND<5	FALSE
II-11	12/2/2008	ND<5	FALSE
II-11	2/13/2009	ND<5	FALSE
II-11	4/17/2009	ND<5	FALSE
II-11	10/16/2009	ND<5	FALSE
II-11	4/30/2010	ND<5	FALSE
II-11	10/8/2010	ND<5	FALSE
II-11	5/11/2011	ND<5	FALSE
II-12	5/11/2005	ND<5	FALSE
II-12	4/24/2006	ND<5	FALSE
II-12	4/24/2006	ND<5	FALSE
II-12	10/19/2006	ND<5	FALSE
II-12	10/19/2006	ND<5	FALSE
II-12	4/12/2007	ND<5	FALSE
II-12	9/28/2007	ND<5	FALSE
II-12	4/30/2008	ND<5	FALSE
II-12	12/2/2008	ND<5	FALSE

II-12	2/13/2009	ND<5	FALSE
II-12	4/17/2009	ND<5	FALSE
II-12	10/16/2009	ND<5	FALSE
II-12	4/30/2010	ND<5	FALSE
II-12	10/8/2010	ND<5	FALSE
II-12	5/11/2011	ND<5	FALSE

II-9	5/11/2005	ND<5	FALSE
II-9	4/24/2006	ND<5	FALSE
II-9	4/24/2006	ND<5	FALSE
II-9	10/19/2006	ND<5	FALSE
II-9	10/19/2006	ND<5	FALSE
II-9	4/12/2007	ND<5	FALSE
II-9	9/28/2007	ND<5	FALSE
II-9	4/30/2008	ND<5	FALSE
II-9	12/2/2008	ND<5	FALSE
II-9	2/13/2009	ND<5	FALSE
II-9	4/17/2009	ND<5	FALSE
II-9	10/16/2009	ND<5	FALSE
II-9	4/30/2010	ND<5	FALSE
II-9	10/8/2010	ND<5	FALSE
II-9	5/11/2011	ND<5	FALSE

Non-Parametric Tolerance Interval

Parameter: Vinyl chloride

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 95.9302%
Background measurements (n) = 76
Maximum Background Concentration = 10
Minimum Coverage = 96.3%
Average Coverage = 98.7013%

Location	Date	Value	Significant
II-1	**3/25/1994**	**93**	**TRUE**
II-1	7/6/1994	9	FALSE
II-1	9/9/1994	ND<10	FALSE
II-1	3/17/1995	ND<10	FALSE
II-1	7/11/1995	ND<10	FALSE
II-1	11/17/1995	ND<10	FALSE
II-1	1/5/1996	ND<10	FALSE
II-1	9/25/1996	ND<10	FALSE
II-1	3/26/1997	ND<10	FALSE
II-1	9/17/1997	ND<10	FALSE
II-1	5/5/1998	ND<10	FALSE
II-1	10/16/1998	ND<10	FALSE
II-1	3/26/1999	ND<10	FALSE
II-1	9/22/1999	ND<10	FALSE
II-1	3/27/2000	ND<10	FALSE
II-1	9/13/2000	ND<10	FALSE
II-1	3/12/2001	ND<10	FALSE
II-1	9/13/2001	ND<10	FALSE
II-1	3/7/2002	ND<10	FALSE
II-1	9/18/2002	ND<10	FALSE
II-1	4/15/2003	ND<10	FALSE
II-1	10/16/2003	ND<10	FALSE
II-1	3/24/2004	ND<10	FALSE
II-1	9/22/2004	ND<10	FALSE
II-1	2/17/2005	ND<10	FALSE
II-1	5/11/2005	ND<10	FALSE
II-1	10/11/2005	ND<10	FALSE
II-1	4/24/2006	ND<10	FALSE
II-1	4/24/2006	ND<10	FALSE
II-1	10/19/2006	ND<10	FALSE
II-1	10/19/2006	ND<10	FALSE
II-1	4/12/2007	ND<10	FALSE
II-1	9/28/2007	ND<10	FALSE
II-1	4/30/2008	ND<10	FALSE
II-1	12/2/2008	0.73	FALSE
II-1	2/13/2009	ND<10	FALSE
II-1	4/17/2009	ND<10	FALSE
II-1	10/16/2009	1.6	FALSE
II-1	4/30/2010	0.9	FALSE
II-1	10/8/2010	1.4	FALSE
II-1	5/11/2011	ND<10	FALSE
II-2	3/25/1994	ND<10	FALSE

II-2	7/6/1994	ND<10	FALSE
II-2	9/9/1994	ND<10	FALSE
II-2	3/17/1995	ND<10	FALSE
II-2	7/11/1995	ND<10	FALSE
II-2	11/17/1995	ND<10	FALSE
II-2	1/5/1996	ND<10	FALSE
II-2	9/25/1996	ND<10	FALSE
II-2	3/26/1997	ND<10	FALSE
II-2	9/17/1997	ND<10	FALSE
II-2	5/5/1998	ND<10	FALSE
II-2	10/16/1998	ND<10	FALSE
II-2	3/26/1999	ND<10	FALSE
II-2	9/22/1999	ND<10	FALSE
II-2	3/27/2000	ND<10	FALSE
II-2	9/13/2000	ND<10	FALSE
II-2	3/12/2001	ND<10	FALSE
II-2	9/13/2001	ND<10	FALSE
II-2	3/7/2002	ND<10	FALSE
II-2	9/18/2002	ND<10	FALSE
II-2	4/15/2003	ND<10	FALSE
II-2	10/16/2003	ND<10	FALSE
II-2	3/24/2004	ND<10	FALSE
II-2	9/22/2004	ND<10	FALSE
II-2	2/17/2005	ND<10	FALSE
II-2	5/11/2005	ND<10	FALSE
II-2	10/11/2005	ND<10	FALSE
II-2	4/24/2006	ND<10	FALSE
II-2	4/24/2006	ND<10	FALSE
II-2	10/19/2006	ND<10	FALSE
II-2	10/19/2006	ND<10	FALSE
II-2	4/12/2007	3.2	FALSE
II-2	9/28/2007	ND<10	FALSE
II-2	4/30/2008	3.6	FALSE
II-2	12/2/2008	3.9	FALSE
II-2	2/13/2009	ND<10	FALSE
II-2	4/17/2009	2.6	FALSE
II-2	10/16/2009	5.4	FALSE
II-2	4/30/2010	4.8	FALSE
II-2	10/8/2010	5.4	FALSE
II-2	5/11/2011	5.1	FALSE

II-3	3/25/1994	ND<10	FALSE
II-3	7/6/1994	ND<10	FALSE
II-3	9/9/1994	ND<10	FALSE
II-3	3/17/1995	ND<10	FALSE
II-3	7/11/1995	ND<10	FALSE
II-3	11/17/1995	ND<10	FALSE
II-3	1/5/1996	ND<10	FALSE
II-3	9/25/1996	ND<10	FALSE
II-3	3/26/1997	ND<10	FALSE
II-3	9/17/1997	ND<10	FALSE
II-3	5/5/1998	ND<10	FALSE
II-3	10/16/1998	ND<10	FALSE
II-3	3/26/1999	ND<10	FALSE
II-3	9/22/1999	ND<10	FALSE
II-3	3/27/2000	ND<10	FALSE

II-3	9/13/2000	ND<10	FALSE
II-3	3/12/2001	ND<10	FALSE
II-3	9/13/2001	ND<10	FALSE
II-3	3/7/2002	ND<10	FALSE
II-3	9/18/2002	ND<10	FALSE
II-3	4/15/2003	ND<10	FALSE
II-3	10/16/2003	ND<10	FALSE
II-3	3/24/2004	ND<10	FALSE
II-3	9/22/2004	ND<10	FALSE
II-3	2/17/2005	ND<10	FALSE
II-3	5/11/2005	ND<10	FALSE
II-3	10/11/2005	ND<10	FALSE
II-3	4/24/2006	ND<10	FALSE
II-3	4/24/2006	ND<10	FALSE
II-3	10/19/2006	ND<10	FALSE
II-3	10/19/2006	ND<10	FALSE
II-3	4/12/2007	ND<10	FALSE
II-3	9/28/2007	ND<10	FALSE
II-3	4/30/2008	ND<10	FALSE
II-3	12/2/2008	0.44	FALSE
II-3	2/13/2009	0.47	FALSE
II-3	4/17/2009	ND<10	FALSE
II-3	10/16/2009	ND<10	FALSE
II-3	4/30/2010	ND<10	FALSE
II-3	10/8/2010	0.44	FALSE
II-3	5/11/2011	ND<10	FALSE

II-4	3/25/1994	ND<10	FALSE
II-4	7/6/1994	ND<10	FALSE
II-4	9/9/1994	ND<10	FALSE
II-4	3/17/1995	ND<10	FALSE
II-4	7/11/1995	ND<10	FALSE
II-4	11/17/1995	ND<10	FALSE
II-4	1/5/1996	ND<10	FALSE
II-4	9/25/1996	ND<10	FALSE
II-4	3/26/1997	ND<10	FALSE
II-4	9/17/1997	ND<10	FALSE
II-4	5/5/1998	ND<10	FALSE
II-4	10/16/1998	ND<10	FALSE
II-4	3/26/1999	ND<10	FALSE
II-4	9/22/1999	ND<10	FALSE
II-4	3/27/2000	ND<10	FALSE
II-4	9/13/2000	ND<10	FALSE
II-4	3/12/2001	ND<10	FALSE
II-4	9/13/2001	ND<10	FALSE
II-4	3/7/2002	ND<10	FALSE
II-4	9/18/2002	ND<10	FALSE
II-4	4/15/2003	ND<10	FALSE
II-4	10/16/2003	ND<10	FALSE
II-4	3/24/2004	ND<10	FALSE
II-4	9/22/2004	ND<10	FALSE
II-4	5/11/2005	ND<10	FALSE
II-4	10/11/2005	ND<10	FALSE
II-4	4/24/2006	ND<10	FALSE
II-4	4/24/2006	ND<10	FALSE
II-4	10/19/2006	ND<10	FALSE

II-4	10/19/2006	ND<10	FALSE
II-4	4/12/2007	ND<10	FALSE
II-4	9/28/2007	ND<10	FALSE
II-4	4/30/2008	ND<10	FALSE
II-4	12/2/2008	ND<10	FALSE
II-4	2/13/2009	ND<10	FALSE
II-4	4/17/2009	ND<10	FALSE
II-4	10/16/2009	ND<10	FALSE
II-4	4/30/2010	ND<10	FALSE
II-4	10/8/2010	ND<10	FALSE
II-4	5/11/2011	ND<10	FALSE
II-5	3/25/1994	ND<10	FALSE
II-5	7/6/1994	ND<10	FALSE
II-5	9/9/1994	ND<10	FALSE
II-5	3/17/1995	ND<10	FALSE
II-5	7/11/1995	ND<10	FALSE
II-5	11/17/1995	ND<10	FALSE
II-5	1/5/1996	ND<10	FALSE
II-5	9/25/1996	ND<10	FALSE
II-5	3/26/1997	ND<10	FALSE
II-5	9/17/1997	ND<10	FALSE
II-5	5/5/1998	ND<10	FALSE
II-5	10/16/1998	ND<10	FALSE
II-5	3/26/1999	ND<10	FALSE
II-5	9/22/1999	ND<10	FALSE
II-5	3/27/2000	ND<10	FALSE
II-5	9/13/2000	ND<10	FALSE
II-5	3/12/2001	ND<10	FALSE
II-5	9/13/2001	ND<10	FALSE
II-5	3/7/2002	ND<10	FALSE
II-5	9/18/2002	ND<10	FALSE
II-5	4/15/2003	ND<10	FALSE
II-5	10/16/2003	ND<10	FALSE
II-5	3/24/2004	ND<10	FALSE
II-5	9/22/2004	ND<10	FALSE
II-5	5/11/2005	ND<10	FALSE
II-5	10/11/2005	ND<10	FALSE
II-5	4/24/2006	ND<10	FALSE
II-5	4/24/2006	ND<10	FALSE
II-5	10/19/2006	ND<10	FALSE
II-5	10/19/2006	ND<10	FALSE
II-5	4/12/2007	ND<10	FALSE
II-5	9/28/2007	ND<10	FALSE
II-5	4/30/2008	ND<10	FALSE
II-5	12/2/2008	ND<10	FALSE
II-5	2/13/2009	ND<10	FALSE
II-5	4/17/2009	ND<10	FALSE
II-5	10/16/2009	ND<10	FALSE
II-5	4/30/2010	ND<10	FALSE
II-5	10/8/2010	ND<10	FALSE
II-5	5/11/2011	ND<10	FALSE
II-8	7/6/1994	ND<10	FALSE
II-8	9/9/1994	ND<10	FALSE

II-8	3/17/1995	ND<10	FALSE
II-8	7/11/1995	ND<10	FALSE
II-8	11/17/1995	ND<10	FALSE
II-8	1/5/1996	ND<10	FALSE
II-8	9/25/1996	ND<10	FALSE
II-8	3/26/1997	ND<10	FALSE
II-8	9/17/1997	ND<10	FALSE
II-8	5/5/1998	ND<10	FALSE
II-8	10/16/1998	ND<10	FALSE
II-8	3/26/1999	ND<10	FALSE
II-8	9/22/1999	ND<10	FALSE
II-8	3/27/2000	ND<10	FALSE
II-8	9/13/2000	ND<10	FALSE
II-8	3/12/2001	ND<10	FALSE
II-8	9/13/2001	ND<10	FALSE
II-8	3/7/2002	ND<10	FALSE
II-8	9/18/2002	ND<10	FALSE
II-8	4/15/2003	ND<10	FALSE
II-8	10/16/2003	ND<10	FALSE
II-8	3/24/2004	ND<10	FALSE
II-8	9/22/2004	ND<10	FALSE
II-8	5/11/2005	ND<10	FALSE
II-8	10/11/2005	ND<10	FALSE
II-8	4/24/2006	ND<10	FALSE
II-8	4/24/2006	ND<10	FALSE
II-8	10/19/2006	ND<10	FALSE
II-8	10/19/2006	ND<10	FALSE
II-8	4/12/2007	ND<10	FALSE
II-8	9/28/2007	ND<10	FALSE
II-8	4/30/2008	ND<10	FALSE
II-8	12/2/2008	ND<10	FALSE
II-8	2/13/2009	ND<10	FALSE
II-8	4/17/2009	ND<10	FALSE
II-8	10/16/2009	ND<10	FALSE
II-8	4/30/2010	ND<10	FALSE
II-8	10/8/2010	ND<10	FALSE
II-8	5/11/2011	ND<10	FALSE

I-5	9/9/1994	ND<10	FALSE
I-5	3/17/1995	ND<10	FALSE
I-5	7/11/1995	ND<10	FALSE
I-5	11/17/1995	ND<10	FALSE
I-5	1/5/1996	ND<10	FALSE
I-5	9/25/1996	ND<10	FALSE
I-5	3/26/1997	ND<10	FALSE
I-5	9/17/1997	ND<10	FALSE
I-5	5/5/1998	ND<10	FALSE
I-5	10/16/1998	ND<10	FALSE
I-5	3/26/1999	ND<10	FALSE
I-5	9/22/1999	ND<10	FALSE
I-5	3/27/2000	ND<10	FALSE
I-5	9/13/2000	ND<10	FALSE
I-5	3/12/2001	ND<10	FALSE
I-5	9/13/2001	ND<10	FALSE
I-5	3/7/2002	ND<10	FALSE
I-5	9/18/2002	ND<10	FALSE

I-5	4/15/2003	ND<10	FALSE
I-5	10/16/2003	ND<10	FALSE
I-5	3/24/2004	ND<10	FALSE
I-5	9/22/2004	ND<10	FALSE
I-5	5/11/2005	ND<10	FALSE
I-5	10/11/2005	ND<10	FALSE
I-5	4/24/2006	ND<10	FALSE
I-5	4/24/2006	ND<10	FALSE
I-5	10/19/2006	ND<10	FALSE
I-5	10/19/2006	ND<10	FALSE
I-5	4/12/2007	ND<10	FALSE
I-5	9/28/2007	ND<10	FALSE
I-5	4/30/2008	ND<10	FALSE
I-5	12/2/2008	ND<10	FALSE
I-5	2/13/2009	ND<10	FALSE
I-5	4/17/2009	ND<10	FALSE
I-5	10/16/2009	ND<10	FALSE
I-5	4/30/2010	ND<10	FALSE
I-5	10/8/2010	ND<10	FALSE
I-5	5/11/2011	ND<10	FALSE

II-6	3/17/1995	ND<10	FALSE
II-6	7/11/1995	ND<10	FALSE
II-6	11/17/1995	ND<10	FALSE
II-6	1/5/1996	ND<10	FALSE
II-6	9/25/1996	ND<10	FALSE
II-6	3/26/1997	ND<10	FALSE
II-6	9/17/1997	ND<10	FALSE
II-6	5/5/1998	ND<10	FALSE
II-6	10/16/1998	ND<10	FALSE
II-6	3/26/1999	ND<10	FALSE
II-6	9/22/1999	ND<10	FALSE
II-6	3/27/2000	ND<10	FALSE
II-6	9/13/2000	ND<10	FALSE
II-6	3/12/2001	ND<10	FALSE
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II-6	9/18/2002	ND<10	FALSE
II-6	4/15/2003	ND<10	FALSE
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II-6	4/24/2006	ND<10	FALSE
II-6	10/19/2006	ND<10	FALSE
II-6	10/19/2006	ND<10	FALSE
II-6	4/12/2007	ND<10	FALSE
II-6	9/28/2007	ND<10	FALSE
II-6	4/30/2008	ND<10	FALSE
II-6	12/2/2008	ND<10	FALSE
II-6	2/13/2009	ND<10	FALSE
II-6	4/17/2009	ND<10	FALSE
II-6	10/16/2009	ND<10	FALSE
II-6	4/30/2010	ND<10	FALSE

II-6	10/8/2010	ND<10	FALSE
II-6	5/11/2011	ND<10	FALSE
II-7	3/17/1995	ND<10	FALSE
II-7	7/11/1995	ND<10	FALSE
II-7	11/17/1995	ND<10	FALSE
II-7	1/5/1996	ND<10	FALSE
II-7	9/25/1996	ND<10	FALSE
II-7	3/26/1997	ND<10	FALSE
II-7	9/17/1997	ND<10	FALSE
II-7	5/5/1998	ND<10	FALSE
II-7	10/16/1998	ND<10	FALSE
II-7	3/26/1999	ND<10	FALSE
II-7	9/22/1999	ND<10	FALSE
II-7	3/27/2000	ND<10	FALSE
II-7	9/13/2000	ND<10	FALSE
II-7	3/12/2001	ND<10	FALSE
II-7	9/13/2001	ND<10	FALSE
II-7	3/7/2002	ND<10	FALSE
II-7	9/18/2002	ND<10	FALSE
II-7	4/15/2003	ND<10	FALSE
II-7	10/16/2003	ND<10	FALSE
II-7	3/24/2004	ND<10	FALSE
II-7	9/22/2004	ND<10	FALSE
II-7	2/17/2005	ND<10	FALSE
II-7	5/11/2005	ND<10	FALSE
II-7	10/11/2005	ND<10	FALSE
II-7	4/24/2006	ND<10	FALSE
II-7	4/24/2006	ND<10	FALSE
II-7	10/19/2006	ND<10	FALSE
II-7	10/19/2006	ND<10	FALSE
II-7	4/12/2007	ND<10	FALSE
II-7	9/28/2007	ND<10	FALSE
II-7	4/30/2008	ND<10	FALSE
II-7	12/2/2008	ND<10	FALSE
II-7	2/13/2009	ND<10	FALSE
II-7	4/17/2009	0.45	FALSE
II-7	10/16/2009	0.47	FALSE
II-7	4/30/2010	0.8	FALSE
II-7	10/8/2010	ND<10	FALSE
II-7	5/11/2011	ND<10	FALSE
II-7B	3/12/2001	ND<10	FALSE
II-7B	9/13/2001	ND<10	FALSE
II-7B	3/7/2002	ND<10	FALSE
II-7B	9/18/2002	ND<10	FALSE
II-7B	4/15/2003	ND<10	FALSE
II-7B	10/16/2003	ND<10	FALSE
II-7B	3/24/2004	ND<10	FALSE
II-7B	9/22/2004	ND<10	FALSE
II-7B	2/17/2005	ND<10	FALSE
II-7B	5/11/2005	ND<10	FALSE
II-7B	10/11/2005	ND<10	FALSE
II-7B	4/24/2006	ND<10	FALSE
II-7B	4/24/2006	ND<10	FALSE

II-7B	10/19/2006	ND<10	FALSE
II-7B	10/19/2006	ND<10	FALSE
II-7B	4/12/2007	ND<10	FALSE
II-7B	9/28/2007	ND<10	FALSE
II-7B	4/30/2008	ND<10	FALSE
II-7B	12/2/2008	ND<10	FALSE
II-7B	2/13/2009	ND<10	FALSE
II-7B	4/17/2009	ND<10	FALSE
II-7B	10/16/2009	ND<10	FALSE
II-7B	4/30/2010	ND<10	FALSE
II-7B	10/8/2010	ND<10	FALSE
II-7B	5/11/2011	ND<10	FALSE
II-10	5/11/2005	ND<10	FALSE
II-10	4/24/2006	ND<10	FALSE
II-10	4/24/2006	ND<10	FALSE
II-10	10/19/2006	ND<10	FALSE
II-10	10/19/2006	ND<10	FALSE
II-10	4/12/2007	ND<10	FALSE
II-10	9/28/2007	ND<10	FALSE
II-10	4/30/2008	ND<10	FALSE
II-10	12/2/2008	ND<10	FALSE
II-10	2/13/2009	ND<10	FALSE
II-10	4/17/2009	ND<10	FALSE
II-10	10/16/2009	ND<10	FALSE
II-10	4/30/2010	ND<10	FALSE
II-10	10/8/2010	ND<10	FALSE
II-10	5/11/2011	ND<10	FALSE
II-11	5/11/2005	ND<10	FALSE
II-11	4/24/2006	ND<10	FALSE
II-11	4/24/2006	ND<10	FALSE
II-11	10/19/2006	ND<10	FALSE
II-11	10/19/2006	ND<10	FALSE
II-11	4/12/2007	ND<10	FALSE
II-11	9/28/2007	ND<10	FALSE
II-11	4/30/2008	ND<10	FALSE
II-11	12/2/2008	ND<10	FALSE
II-11	2/13/2009	ND<10	FALSE
II-11	4/17/2009	ND<10	FALSE
II-11	10/16/2009	ND<10	FALSE
II-11	4/30/2010	ND<10	FALSE
II-11	10/8/2010	ND<10	FALSE
II-11	5/11/2011	ND<10	FALSE
II-12	5/11/2005	ND<10	FALSE
II-12	4/24/2006	ND<10	FALSE
II-12	4/24/2006	ND<10	FALSE
II-12	10/19/2006	ND<10	FALSE
II-12	10/19/2006	ND<10	FALSE
II-12	4/12/2007	ND<10	FALSE
II-12	9/28/2007	ND<10	FALSE
II-12	4/30/2008	ND<10	FALSE
II-12	12/2/2008	ND<10	FALSE

II-12	2/13/2009	ND<10	FALSE
II-12	4/17/2009	ND<10	FALSE
II-12	10/16/2009	ND<10	FALSE
II-12	4/30/2010	ND<10	FALSE
II-12	10/8/2010	ND<10	FALSE
II-12	5/11/2011	ND<10	FALSE
II-9	**5/11/2005**	**12**	**TRUE**
II-9	4/24/2006	ND<10	FALSE
II-9	4/24/2006	ND<10	FALSE
II-9	10/19/2006	ND<10	FALSE
II-9	10/19/2006	ND<10	FALSE
II-9	4/12/2007	ND<10	FALSE
II-9	9/28/2007	ND<10	FALSE
II-9	4/30/2008	ND<10	FALSE
II-9	12/2/2008	ND<10	FALSE
II-9	2/13/2009	ND<10	FALSE
II-9	4/17/2009	ND<10	FALSE
II-9	10/16/2009	ND<10	FALSE
II-9	4/30/2010	ND<10	FALSE
II-9	10/8/2010	ND<10	FALSE
II-9	5/11/2011	ND<10	FALSE

Non-Parametric Tolerance Interval

Parameter: Barium

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 69.8%
Background measurements (n) = 74
Maximum Background Concentration = 1200
Minimum Coverage = 96.1%
Average Coverage = 98.6667%

Location	Date	Value	Significant
II-1	3/25/1994	379	FALSE
II-1	7/6/1994	331	FALSE
II-1	9/9/1994	356	FALSE
II-1	3/17/1995	160	FALSE
II-1	7/11/1995	ND<500	FALSE
II-1	11/17/1995	558	FALSE
II-1	1/5/1996	ND<500	FALSE
II-1	9/25/1996	603	FALSE
II-1	3/26/1997	ND<500	FALSE
II-1	9/17/1997	ND<500	FALSE
II-1	5/5/1998	ND<500	FALSE
II-1	**10/16/1998**	**1300**	**TRUE**
II-1	3/26/1999	ND<500	FALSE
II-1	9/22/1999	ND<500	FALSE
II-1	3/27/2000	ND<500	FALSE
II-1	9/13/2000	ND<500	FALSE
II-1	3/12/2001	ND<500	FALSE
II-1	9/13/2001	ND<500	FALSE
II-1	3/7/2002	ND<500	FALSE
II-1	9/18/2002	ND<500	FALSE
II-1	4/15/2003	ND<500	FALSE
II-1	10/16/2003	ND<500	FALSE
II-1	3/24/2004	ND<500	FALSE
II-1	9/22/2004	ND<500	FALSE
II-1	2/17/2005	ND<500	FALSE
II-1	5/11/2005	ND<500	FALSE
II-1	10/11/2005	ND<500	FALSE
II-1	4/24/2006	ND<500	FALSE
II-1	4/24/2006	ND<500	FALSE
II-1	10/19/2006	ND<500	FALSE
II-1	4/12/2007	244	FALSE
II-1	9/28/2007	235	FALSE
II-1	4/30/2008	241	FALSE
II-1	12/2/2008	296	FALSE
II-1	2/13/2009	ND<500	FALSE
II-1	4/17/2009	245	FALSE
II-1	10/16/2009	41.2	FALSE
II-1	4/30/2010	309	FALSE
II-1	10/8/2010	225	FALSE
II-1	5/11/2011	415	FALSE
II-2	3/25/1994	28	FALSE
II-2	7/6/1994	72	FALSE

II-2	9/9/1994	107	FALSE
II-2	3/17/1995	ND<500	FALSE
II-2	7/11/1995	1000	FALSE
II-2	11/17/1995	ND<500	FALSE
II-2	1/5/1996	ND<500	FALSE
II-2	9/25/1996	ND<500	FALSE
II-2	3/26/1997	ND<500	FALSE
II-2	9/17/1997	ND<500	FALSE
II-2	5/5/1998	ND<500	FALSE
II-2	10/16/1998	ND<500	FALSE
II-2	3/26/1999	ND<500	FALSE
II-2	9/22/1999	ND<500	FALSE
II-2	3/27/2000	ND<500	FALSE
II-2	9/13/2000	ND<500	FALSE
II-2	3/12/2001	ND<500	FALSE
II-2	9/13/2001	ND<500	FALSE
II-2	3/7/2002	ND<500	FALSE
II-2	9/18/2002	ND<500	FALSE
II-2	4/15/2003	ND<500	FALSE
II-2	10/16/2003	ND<500	FALSE
II-2	3/24/2004	ND<500	FALSE
II-2	9/22/2004	ND<500	FALSE
II-2	2/17/2005	ND<500	FALSE
II-2	5/11/2005	ND<500	FALSE
II-2	10/11/2005	ND<500	FALSE
II-2	4/24/2006	ND<500	FALSE
II-2	4/24/2006	ND<500	FALSE
II-2	10/19/2006	ND<500	FALSE
II-2	4/12/2007	60.3	FALSE
II-2	9/28/2007	ND<500	FALSE
II-2	4/30/2008	50.4	FALSE
II-2	12/2/2008	46.2	FALSE
II-2	2/13/2009	ND<500	FALSE
II-2	4/17/2009	74.4	FALSE
II-2	10/16/2009	41.2	FALSE
II-2	4/30/2010	63.1	FALSE
II-2	10/8/2010	40.9	FALSE
II-2	5/11/2011	53.5	FALSE

II-3	3/25/1994	53	FALSE
II-3	7/6/1994	106	FALSE
II-3	9/9/1994	123	FALSE
II-3	3/17/1995	35	FALSE
II-3	7/11/1995	ND<500	FALSE
II-3	11/17/1995	ND<500	FALSE
II-3	1/5/1996	ND<500	FALSE
II-3	9/25/1996	ND<500	FALSE
II-3	3/26/1997	640	FALSE
II-3	9/17/1997	650	FALSE
II-3	5/5/1998	ND<500	FALSE
II-3	10/16/1998	ND<500	FALSE
II-3	3/26/1999	ND<500	FALSE
II-3	9/22/1999	ND<500	FALSE
II-3	3/27/2000	ND<500	FALSE
II-3	9/13/2000	ND<500	FALSE
II-3	3/12/2001	ND<500	FALSE

II-3	9/13/2001	ND<500	FALSE
II-3	3/7/2002	ND<500	FALSE
II-3	9/18/2002	ND<500	FALSE
II-3	4/15/2003	870	FALSE
II-3	10/16/2003	ND<500	FALSE
II-3	3/24/2004	ND<500	FALSE
II-3	9/22/2004	ND<500	FALSE
II-3	2/17/2005	600	FALSE
II-3	5/11/2005	ND<500	FALSE
II-3	10/11/2005	ND<500	FALSE
II-3	4/24/2006	ND<500	FALSE
II-3	4/24/2006	ND<500	FALSE
II-3	10/19/2006	ND<500	FALSE
II-3	4/12/2007	218	FALSE
II-3	9/28/2007	ND<500	FALSE
II-3	4/30/2008	244	FALSE
II-3	12/2/2008	194	FALSE
II-3	2/13/2009	ND<500	FALSE
II-3	4/17/2009	251	FALSE
II-3	10/16/2009	203	FALSE
II-3	4/30/2010	183	FALSE
II-3	10/8/2010	164	FALSE
II-3	5/11/2011	207	FALSE
II-4	3/25/1994	39	FALSE
II-4	7/6/1994	35	FALSE
II-4	9/9/1994	526	FALSE
II-4	3/17/1995	25	FALSE
II-4	7/11/1995	ND<500	FALSE
II-4	11/17/1995	ND<500	FALSE
II-4	1/5/1996	ND<500	FALSE
II-4	9/25/1996	ND<500	FALSE
II-4	3/26/1997	580	FALSE
II-4	9/17/1997	ND<500	FALSE
II-4	5/5/1998	620	FALSE
II-4	10/16/1998	ND<500	FALSE
II-4	3/26/1999	ND<500	FALSE
II-4	9/22/1999	ND<500	FALSE
II-4	3/27/2000	ND<500	FALSE
II-4	9/13/2000	ND<500	FALSE
II-4	3/12/2001	ND<500	FALSE
II-4	9/13/2001	ND<500	FALSE
II-4	3/7/2002	ND<500	FALSE
II-4	9/18/2002	ND<500	FALSE
II-4	4/15/2003	ND<500	FALSE
II-4	10/16/2003	ND<500	FALSE
II-4	3/24/2004	ND<500	FALSE
II-4	9/22/2004	ND<500	FALSE
II-4	5/11/2005	700	FALSE
II-4	10/11/2005	680	FALSE
II-4	4/24/2006	570	FALSE
II-4	4/24/2006	570	FALSE
II-4	10/19/2006	552	FALSE
II-4	4/12/2007	567	FALSE
II-4	9/28/2007	ND<500	FALSE
II-4	**4/30/2008**	**2880**	**TRUE**

II-4	12/2/2008	575	FALSE
II-4	2/13/2009	ND<500	FALSE
II-4	4/17/2009	170	FALSE
II-4	10/16/2009	485	FALSE
II-4	4/30/2010	469	FALSE
II-4	10/8/2010	431	FALSE
II-4	5/11/2011	389	FALSE
II-5	3/25/1994	48	FALSE
II-5	7/6/1994	88	FALSE
II-5	9/9/1994	59	FALSE
II-5	3/17/1995	80	FALSE
II-5	7/11/1995	ND<500	FALSE
II-5	11/17/1995	ND<500	FALSE
II-5	1/5/1996	ND<500	FALSE
II-5	9/25/1996	ND<500	FALSE
II-5	3/26/1997	ND<500	FALSE
II-5	9/17/1997	ND<500	FALSE
II-5	5/5/1998	ND<500	FALSE
II-5	10/16/1998	ND<500	FALSE
II-5	3/26/1999	ND<500	FALSE
II-5	9/22/1999	ND<500	FALSE
II-5	3/27/2000	ND<500	FALSE
II-5	9/13/2000	ND<500	FALSE
II-5	3/12/2001	ND<500	FALSE
II-5	9/13/2001	ND<500	FALSE
II-5	3/7/2002	ND<500	FALSE
II-5	9/18/2002	ND<500	FALSE
II-5	4/15/2003	ND<500	FALSE
II-5	10/16/2003	ND<500	FALSE
II-5	3/24/2004	ND<500	FALSE
II-5	9/22/2004	ND<500	FALSE
II-5	5/11/2005	ND<500	FALSE
II-5	10/11/2005	ND<500	FALSE
II-5	4/24/2006	ND<500	FALSE
II-5	4/24/2006	ND<500	FALSE
II-5	10/19/2006	ND<500	FALSE
II-5	4/12/2007	131	FALSE
II-5	9/28/2007	ND<500	FALSE
II-5	4/30/2008	70.4	FALSE
II-5	12/2/2008	110	FALSE
II-5	2/13/2009	ND<500	FALSE
II-5	4/17/2009	71.6	FALSE
II-5	10/16/2009	124	FALSE
II-5	4/30/2010	89	FALSE
II-5	10/8/2010	114	FALSE
II-5	5/11/2011	91.4	FALSE
II-8	7/6/1994	18	FALSE
II-8	9/9/1994	60	FALSE
II-8	3/17/1995	19	FALSE
II-8	7/11/1995	ND<500	FALSE
II-8	11/17/1995	ND<500	FALSE
II-8	1/5/1996	ND<500	FALSE
II-8	9/25/1996	ND<500	FALSE

II-8	3/26/1997	ND<500	FALSE
II-8	9/17/1997	ND<500	FALSE
II-8	5/5/1998	ND<500	FALSE
II-8	10/16/1998	ND<500	FALSE
II-8	3/26/1999	ND<500	FALSE
II-8	9/22/1999	ND<500	FALSE
II-8	3/27/2000	ND<500	FALSE
II-8	9/13/2000	ND<500	FALSE
II-8	3/12/2001	ND<500	FALSE
II-8	9/13/2001	ND<500	FALSE
II-8	3/7/2002	ND<500	FALSE
II-8	9/18/2002	ND<500	FALSE
II-8	4/15/2003	ND<500	FALSE
II-8	10/16/2003	ND<500	FALSE
II-8	3/24/2004	ND<500	FALSE
II-8	9/22/2004	ND<500	FALSE
II-8	5/11/2005	ND<500	FALSE
II-8	10/11/2005	ND<500	FALSE
II-8	4/24/2006	ND<500	FALSE
II-8	4/24/2006	ND<500	FALSE
II-8	10/19/2006	ND<500	FALSE
II-8	4/12/2007	74.6	FALSE
II-8	9/28/2007	ND<500	FALSE
II-8	4/30/2008	79.7	FALSE
II-8	12/2/2008	86.8	FALSE
II-8	2/13/2009	ND<500	FALSE
II-8	4/17/2009	87.6	FALSE
II-8	10/16/2009	79.2	FALSE
II-8	4/30/2010	87.7	FALSE
II-8	10/8/2010	74.3	FALSE
II-8	5/11/2011	105	FALSE

I-5	9/9/1994	106	FALSE
I-5	3/17/1995	55	FALSE
I-5	7/11/1995	ND<500	FALSE
I-5	11/17/1995	ND<500	FALSE
I-5	1/5/1996	ND<500	FALSE
I-5	9/25/1996	ND<500	FALSE
I-5	3/26/1997	ND<500	FALSE
I-5	9/17/1997	ND<500	FALSE
I-5	5/5/1998	ND<500	FALSE
I-5	10/16/1998	ND<500	FALSE
I-5	3/26/1999	ND<500	FALSE
I-5	9/22/1999	ND<500	FALSE
I-5	3/27/2000	ND<500	FALSE
I-5	9/13/2000	ND<500	FALSE
I-5	3/12/2001	ND<500	FALSE
I-5	9/13/2001	ND<500	FALSE
I-5	3/7/2002	ND<500	FALSE
I-5	9/18/2002	ND<500	FALSE
I-5	4/15/2003	ND<500	FALSE
I-5	10/16/2003	ND<500	FALSE
I-5	3/24/2004	ND<500	FALSE
I-5	9/22/2004	ND<500	FALSE
I-5	5/11/2005	ND<500	FALSE
I-5	10/11/2005	ND<500	FALSE

I-5	4/24/2006	ND<500	FALSE
I-5	4/24/2006	ND<500	FALSE
I-5	10/19/2006	ND<500	FALSE
I-5	4/12/2007	83	FALSE
I-5	9/28/2007	ND<500	FALSE
I-5	4/30/2008	ND<500	FALSE
I-5	12/2/2008	ND<500	FALSE
I-5	2/13/2009	ND<500	FALSE
I-5	4/17/2009	ND<500	FALSE
I-5	10/16/2009	ND<500	FALSE
I-5	4/30/2010	ND<500	FALSE
I-5	10/8/2010	ND<500	FALSE
I-5	5/11/2011	ND<500	FALSE
II-6	3/17/1995	53	FALSE
II-6	7/11/1995	ND<500	FALSE
II-6	11/17/1995	ND<500	FALSE
II-6	1/5/1996	ND<500	FALSE
II-6	9/25/1996	ND<500	FALSE
II-6	3/26/1997	ND<500	FALSE
II-6	9/17/1997	500	FALSE
II-6	5/5/1998	ND<500	FALSE
II-6	10/16/1998	ND<500	FALSE
II-6	3/26/1999	ND<500	FALSE
II-6	9/22/1999	ND<500	FALSE
II-6	3/27/2000	ND<500	FALSE
II-6	9/13/2000	ND<500	FALSE
II-6	3/12/2001	ND<500	FALSE
II-6	9/13/2001	ND<500	FALSE
II-6	3/7/2002	ND<500	FALSE
II-6	9/18/2002	ND<500	FALSE
II-6	4/15/2003	ND<500	FALSE
II-6	10/16/2003	ND<500	FALSE
II-6	3/24/2004	ND<500	FALSE
II-6	9/22/2004	ND<500	FALSE
II-6	5/11/2005	ND<500	FALSE
II-6	10/11/2005	560	FALSE
II-6	4/24/2006	ND<500	FALSE
II-6	4/24/2006	ND<500	FALSE
II-6	10/19/2006	ND<500	FALSE
II-6	4/12/2007	292	FALSE
II-6	9/28/2007	ND<500	FALSE
II-6	4/30/2008	69.8	FALSE
II-6	12/2/2008	486	FALSE
II-6	2/13/2009	ND<500	FALSE
II-6	4/17/2009	37.1	FALSE
II-6	10/16/2009	410	FALSE
II-6	4/30/2010	339	FALSE
II-6	10/8/2010	356	FALSE
II-6	5/11/2011	104	FALSE
II-7	3/17/1995	65	FALSE
II-7	7/11/1995	ND<500	FALSE
II-7	11/17/1995	ND<500	FALSE
II-7	1/5/1996	ND<500	FALSE

II-7	9/25/1996	ND<500	FALSE
II-7	3/26/1997	ND<500	FALSE
II-7	9/17/1997	ND<500	FALSE
II-7	5/5/1998	ND<500	FALSE
II-7	10/16/1998	ND<500	FALSE
II-7	3/26/1999	ND<500	FALSE
II-7	9/22/1999	ND<500	FALSE
II-7	3/27/2000	ND<500	FALSE
II-7	9/13/2000	ND<500	FALSE
II-7	3/12/2001	ND<500	FALSE
II-7	9/13/2001	ND<500	FALSE
II-7	3/7/2002	ND<500	FALSE
II-7	9/18/2002	ND<500	FALSE
II-7	4/15/2003	ND<500	FALSE
II-7	10/16/2003	ND<500	FALSE
II-7	3/24/2004	ND<500	FALSE
II-7	9/22/2004	ND<500	FALSE
II-7	2/17/2005	ND<500	FALSE
II-7	5/11/2005	ND<500	FALSE
II-7	10/11/2005	ND<500	FALSE
II-7	4/24/2006	ND<500	FALSE
II-7	4/24/2006	ND<500	FALSE
II-7	10/19/2006	ND<500	FALSE
II-7	4/12/2007	26.4	FALSE
II-7	9/28/2007	ND<500	FALSE
II-7	4/30/2008	7.1	FALSE
II-7	12/2/2008	17.9	FALSE
II-7	2/13/2009	ND<500	FALSE
II-7	4/17/2009	13.9	FALSE
II-7	10/16/2009	90.7	FALSE
II-7	4/30/2010	21.7	FALSE
II-7	10/8/2010	14.8	FALSE
II-7	5/11/2011	13.1	FALSE

II-7B	3/12/2001	ND<500	FALSE
II-7B	9/13/2001	ND<500	FALSE
II-7B	3/7/2002	ND<500	FALSE
II-7B	9/18/2002	ND<500	FALSE
II-7B	4/15/2003	ND<500	FALSE
II-7B	10/16/2003	ND<500	FALSE
II-7B	3/24/2004	ND<500	FALSE
II-7B	9/22/2004	ND<500	FALSE
II-7B	2/17/2005	ND<500	FALSE
II-7B	5/11/2005	ND<500	FALSE
II-7B	10/11/2005	ND<500	FALSE
II-7B	4/24/2006	ND<500	FALSE
II-7B	4/24/2006	ND<500	FALSE
II-7B	10/19/2006	ND<500	FALSE
II-7B	4/12/2007	16.5	FALSE
II-7B	9/28/2007	ND<500	FALSE
II-7B	4/30/2008	10.4	FALSE
II-7B	12/2/2008	11.1	FALSE
II-7B	2/13/2009	ND<500	FALSE
II-7B	4/17/2009	10.2	FALSE
II-7B	10/16/2009	10.2	FALSE
II-7B	4/30/2010	11.5	FALSE

II-7B	10/8/2010	9.15	FALSE
II-7B	5/11/2011	10.6	FALSE
II-10	5/11/2005	ND<500	FALSE
II-10	4/24/2006	ND<500	FALSE
II-10	4/24/2006	ND<500	FALSE
II-10	10/19/2006	ND<500	FALSE
II-10	4/12/2007	ND<500	FALSE
II-10	9/28/2007	ND<500	FALSE
II-10	4/30/2008	ND<500	FALSE
II-10	12/2/2008	ND<500	FALSE
II-10	2/13/2009	ND<500	FALSE
II-10	4/17/2009	ND<500	FALSE
II-10	10/16/2009	ND<500	FALSE
II-10	4/30/2010	ND<500	FALSE
II-10	10/8/2010	ND<500	FALSE
II-10	5/11/2011	ND<500	FALSE
II-11	5/11/2005	ND<500	FALSE
II-11	4/24/2006	ND<500	FALSE
II-11	4/24/2006	ND<500	FALSE
II-11	10/19/2006	ND<500	FALSE
II-11	4/12/2007	ND<500	FALSE
II-11	9/28/2007	ND<500	FALSE
II-11	4/30/2008	ND<500	FALSE
II-11	12/2/2008	ND<500	FALSE
II-11	2/13/2009	ND<500	FALSE
II-11	4/17/2009	ND<500	FALSE
II-11	10/16/2009	ND<500	FALSE
II-11	4/30/2010	ND<500	FALSE
II-11	10/8/2010	ND<500	FALSE
II-11	5/11/2011	ND<500	FALSE
II-12	5/11/2005	600	FALSE
II-12	4/24/2006	658	FALSE
II-12	4/24/2006	658	FALSE
II-12	10/19/2006	ND<500	FALSE
II-12	4/12/2007	ND<500	FALSE
II-12	9/28/2007	ND<500	FALSE
II-12	4/30/2008	532	FALSE
II-12	12/2/2008	878	FALSE
II-12	2/13/2009	ND<500	FALSE
II-12	4/17/2009	488	FALSE
II-12	10/16/2009	704	FALSE
II-12	4/30/2010	386	FALSE
II-12	10/8/2010	473	FALSE
II-12	5/11/2011	397	FALSE
II-9	5/11/2005	ND<500	FALSE
II-9	4/24/2006	ND<500	FALSE
II-9	4/24/2006	ND<500	FALSE
II-9	10/19/2006	ND<500	FALSE
II-9	4/12/2007	ND<500	FALSE

II-9	9/28/2007	ND<500	FALSE
II-9	4/30/2008	ND<500	FALSE
II-9	12/2/2008	ND<500	FALSE
II-9	2/13/2009	ND<500	FALSE
II-9	4/17/2009	ND<500	FALSE
II-9	10/16/2009	ND<500	FALSE
II-9	4/30/2010	ND<500	FALSE
II-9	10/8/2010	ND<500	FALSE
II-9	5/11/2011	ND<500	FALSE

Non-Parametric Tolerance Interval

Parameter: Cobalt

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 58%
Background measurements (n) = 74
Maximum Background Concentration = 16
Minimum Coverage = 96.1%
Average Coverage = 98.6667%

Location	Date	Value	Significant
II-1	**3/25/1994**	**129**	**TRUE**
II-1	**7/6/1994**	**49**	**TRUE**
II-1	**9/9/1994**	**65**	**TRUE**
II-1	**3/17/1995**	**40**	**TRUE**
II-1	**7/11/1995**	**74**	**TRUE**
II-1	**11/17/1995**	**61**	**TRUE**
II-1	**1/5/1996**	**55**	**TRUE**
II-1	**9/25/1996**	**63**	**TRUE**
II-1	**3/26/1997**	**52**	**TRUE**
II-1	**9/17/1997**	**71**	**TRUE**
II-1	**5/5/1998**	**37**	**TRUE**
II-1	**10/16/1998**	**160**	**TRUE**
II-1	**3/26/1999**	**36**	**TRUE**
II-1	**9/22/1999**	**18**	**TRUE**
II-1	**3/27/2000**	**29**	**TRUE**
II-1	**9/13/2000**	**41**	**TRUE**
II-1	**3/12/2001**	**19**	**TRUE**
II-1	**9/13/2001**	**46**	**TRUE**
II-1	3/7/2002	10	FALSE
II-1	**9/18/2002**	**29**	**TRUE**
II-1	4/15/2003	ND<10	FALSE
II-1	10/16/2003	13	FALSE
II-1	**3/24/2004**	**28**	**TRUE**
II-1	**9/22/2004**	**17**	**TRUE**
II-1	2/17/2005	ND<10	FALSE
II-1	**5/11/2005**	**24**	**TRUE**
II-1	**10/11/2005**	**60**	**TRUE**
II-1	**4/24/2006**	**50.5**	**TRUE**
II-1	**4/24/2006**	**50.5**	**TRUE**
II-1	**10/19/2006**	**72.3**	**TRUE**
II-1	4/12/2007	10.9	FALSE
II-1	**9/28/2007**	**62**	**TRUE**
II-1	4/30/2008	4.3	FALSE
II-1	**12/2/2008**	**51.4**	**TRUE**
II-1	2/13/2009	ND<10	FALSE
II-1	4/17/2009	11.2	FALSE
II-1	**10/16/2009**	**36.5**	**TRUE**
II-1	**4/30/2010**	**26.4**	**TRUE**
II-1	**10/8/2010**	**35.8**	**TRUE**
II-1	**5/11/2011**	**22.4**	**TRUE**
II-2	3/25/1994	3	FALSE
II-2	7/6/1994	7	FALSE

II-2	9/9/1994	11	FALSE
II-2	3/17/1995	ND<10	FALSE
II-2	**7/11/1995**	**33**	**TRUE**
II-2	11/17/1995	ND<10	FALSE
II-2	1/5/1996	ND<10	FALSE
II-2	9/25/1996	11	FALSE
II-2	3/26/1997	ND<10	FALSE
II-2	**9/17/1997**	**34**	**TRUE**
II-2	5/5/1998	ND<10	FALSE
II-2	10/16/1998	ND<10	FALSE
II-2	3/26/1999	ND<10	FALSE
II-2	9/22/1999	ND<10	FALSE
II-2	3/27/2000	ND<10	FALSE
II-2	9/13/2000	ND<10	FALSE
II-2	3/12/2001	ND<10	FALSE
II-2	9/13/2001	ND<10	FALSE
II-2	3/7/2002	ND<10	FALSE
II-2	9/18/2002	ND<10	FALSE
II-2	4/15/2003	14	FALSE
II-2	10/16/2003	ND<10	FALSE
II-2	3/24/2004	ND<10	FALSE
II-2	9/22/2004	ND<10	FALSE
II-2	2/17/2005	ND<10	FALSE
II-2	5/11/2005	ND<10	FALSE
II-2	10/11/2005	ND<10	FALSE
II-2	4/24/2006	ND<10	FALSE
II-2	4/24/2006	ND<10	FALSE
II-2	10/19/2006	ND<10	FALSE
II-2	4/12/2007	ND<10	FALSE
II-2	9/28/2007	ND<10	FALSE
II-2	4/30/2008	ND<10	FALSE
II-2	12/2/2008	ND<10	FALSE
II-2	2/13/2009	ND<10	FALSE
II-2	4/17/2009	ND<10	FALSE
II-2	10/16/2009	ND<10	FALSE
II-2	4/30/2010	ND<10	FALSE
II-2	10/8/2010	ND<10	FALSE
II-2	5/11/2011	ND<10	FALSE

II-3	**3/25/1994**	**20**	**TRUE**
II-3	7/6/1994	13	FALSE
II-3	9/9/1994	11	FALSE
II-3	3/17/1995	ND<10	FALSE
II-3	**7/11/1995**	**31**	**TRUE**
II-3	11/17/1995	ND<10	FALSE
II-3	1/5/1996	13	FALSE
II-3	**9/25/1996**	**34**	**TRUE**
II-3	**3/26/1997**	**71**	**TRUE**
II-3	**9/17/1997**	**97**	**TRUE**
II-3	5/5/1998	ND<10	FALSE
II-3	10/16/1998	11	FALSE
II-3	3/26/1999	13	FALSE
II-3	9/22/1999	10	FALSE
II-3	**3/27/2000**	**45**	**TRUE**
II-3	9/13/2000	14	FALSE
II-3	**3/12/2001**	**34**	**TRUE**

II-3	**9/13/2001**	**28**	**TRUE**
II-3	**3/7/2002**	**18**	**TRUE**
II-3	9/18/2002	10	FALSE
II-3	**4/15/2003**	**61**	**TRUE**
II-3	**10/16/2003**	**39**	**TRUE**
II-3	**3/24/2004**	**72**	**TRUE**
II-3	**9/22/2004**	**25**	**TRUE**
II-3	**2/17/2005**	**48**	**TRUE**
II-3	**5/11/2005**	**40**	**TRUE**
II-3	**10/11/2005**	**23**	**TRUE**
II-3	**4/24/2006**	**29**	**TRUE**
II-3	**4/24/2006**	**29**	**TRUE**
II-3	**10/19/2006**	**31.8**	**TRUE**
II-3	**4/12/2007**	**28.8**	**TRUE**
II-3	9/28/2007	ND<10	FALSE
II-3	**4/30/2008**	**26**	**TRUE**
II-3	**12/2/2008**	**25.1**	**TRUE**
II-3	2/13/2009	ND<10	FALSE
II-3	**4/17/2009**	**21.6**	**TRUE**
II-3	**10/16/2009**	**25.2**	**TRUE**
II-3	**4/30/2010**	**23**	**TRUE**
II-3	**10/8/2010**	**16.1**	**TRUE**
II-3	**5/11/2011**	**21.2**	**TRUE**

II-4	3/25/1994	4	FALSE
II-4	7/6/1994	ND<10	FALSE
II-4	**9/9/1994**	**19**	**TRUE**
II-4	3/17/1995	ND<10	FALSE
II-4	**7/11/1995**	**23**	**TRUE**
II-4	11/17/1995	ND<10	FALSE
II-4	1/5/1996	ND<10	FALSE
II-4	9/25/1996	ND<10	FALSE
II-4	**3/26/1997**	**33**	**TRUE**
II-4	**9/17/1997**	**32**	**TRUE**
II-4	**5/5/1998**	**24**	**TRUE**
II-4	10/16/1998	ND<10	FALSE
II-4	3/26/1999	13	FALSE
II-4	9/22/1999	10	FALSE
II-4	**3/27/2000**	**18**	**TRUE**
II-4	9/13/2000	ND<10	FALSE
II-4	3/12/2001	ND<10	FALSE
II-4	9/13/2001	ND<10	FALSE
II-4	3/7/2002	ND<10	FALSE
II-4	9/18/2002	ND<10	FALSE
II-4	4/15/2003	ND<10	FALSE
II-4	10/16/2003	ND<10	FALSE
II-4	3/24/2004	12	FALSE
II-4	9/22/2004	ND<10	FALSE
II-4	**5/11/2005**	**17**	**TRUE**
II-4	**10/11/2005**	**20**	**TRUE**
II-4	**4/24/2006**	**16.5**	**TRUE**
II-4	**4/24/2006**	**16.5**	**TRUE**
II-4	**10/19/2006**	**16.4**	**TRUE**
II-4	4/12/2007	15.2	FALSE
II-4	9/28/2007	ND<10	FALSE
II-4	**4/30/2008**	**92.5**	**TRUE**

II-4	**12/2/2008**	**16.3**	**TRUE**
II-4	2/13/2009	ND<10	FALSE
II-4	4/17/2009	3	FALSE
II-4	10/16/2009	14.7	FALSE
II-4	4/30/2010	15.8	FALSE
II-4	**10/8/2010**	**19**	**TRUE**
II-4	5/11/2011	9.26	FALSE
II-5	**3/25/1994**	**19**	**TRUE**
II-5	7/6/1994	10	FALSE
II-5	9/9/1994	9	FALSE
II-5	3/17/1995	8	FALSE
II-5	7/11/1995	11	FALSE
II-5	11/17/1995	ND<10	FALSE
II-5	1/5/1996	11	FALSE
II-5	9/25/1996	13	FALSE
II-5	3/26/1997	ND<10	FALSE
II-5	**9/17/1997**	**35**	**TRUE**
II-5	5/5/1998	ND<10	FALSE
II-5	10/16/1998	ND<10	FALSE
II-5	**3/26/1999**	**18**	**TRUE**
II-5	9/22/1999	ND<10	FALSE
II-5	**3/27/2000**	**46**	**TRUE**
II-5	9/13/2000	ND<10	FALSE
II-5	3/12/2001	ND<10	FALSE
II-5	9/13/2001	11	FALSE
II-5	3/7/2002	1.2	FALSE
II-5	9/18/2002	ND<10	FALSE
II-5	4/15/2003	ND<10	FALSE
II-5	10/16/2003	13	FALSE
II-5	3/24/2004	15	FALSE
II-5	9/22/2004	11	FALSE
II-5	5/11/2005	ND<10	FALSE
II-5	10/11/2005	13	FALSE
II-5	4/24/2006	12.5	FALSE
II-5	4/24/2006	12.5	FALSE
II-5	10/19/2006	12.8	FALSE
II-5	4/12/2007	12.3	FALSE
II-5	9/28/2007	ND<10	FALSE
II-5	4/30/2008	2.1	FALSE
II-5	12/2/2008	4.4	FALSE
II-5	2/13/2009	ND<10	FALSE
II-5	4/17/2009	4.1	FALSE
II-5	**10/16/2009**	**20.1**	**TRUE**
II-5	**4/30/2010**	**32.3**	**TRUE**
II-5	**10/8/2010**	**23.2**	**TRUE**
II-5	5/11/2011	5.86	FALSE
II-8	7/6/1994	ND<10	FALSE
II-8	9/9/1994	6	FALSE
II-8	3/17/1995	ND<10	FALSE
II-8	7/11/1995	ND<10	FALSE
II-8	11/17/1995	ND<10	FALSE
II-8	1/5/1996	11	FALSE
II-8	9/25/1996	ND<10	FALSE

II-8	**3/26/1997**	**93**	**TRUE**
II-8	**9/17/1997**	**69**	**TRUE**
II-8	5/5/1998	ND<10	FALSE
II-8	10/16/1998	10	FALSE
II-8	3/26/1999	ND<10	FALSE
II-8	9/22/1999	ND<10	FALSE
II-8	3/27/2000	ND<10	FALSE
II-8	9/13/2000	ND<10	FALSE
II-8	3/12/2001	ND<10	FALSE
II-8	9/13/2001	ND<10	FALSE
II-8	3/7/2002	ND<10	FALSE
II-8	9/18/2002	ND<10	FALSE
II-8	4/15/2003	ND<10	FALSE
II-8	10/16/2003	ND<10	FALSE
II-8	3/24/2004	ND<10	FALSE
II-8	9/22/2004	ND<10	FALSE
II-8	5/11/2005	ND<10	FALSE
II-8	10/11/2005	ND<10	FALSE
II-8	4/24/2006	ND<10	FALSE
II-8	4/24/2006	ND<10	FALSE
II-8	10/19/2006	ND<10	FALSE
II-8	4/12/2007	ND<10	FALSE
II-8	9/28/2007	ND<10	FALSE
II-8	4/30/2008	ND<10	FALSE
II-8	12/2/2008	ND<10	FALSE
II-8	2/13/2009	ND<10	FALSE
II-8	4/17/2009	ND<10	FALSE
II-8	10/16/2009	ND<10	FALSE
II-8	4/30/2010	1.46	FALSE
II-8	10/8/2010	ND<10	FALSE
II-8	5/11/2011	ND<10	FALSE

I-5	**9/9/1994**	**31**	**TRUE**
I-5	3/17/1995	7	FALSE
I-5	**7/11/1995**	**83**	**TRUE**
I-5	11/17/1995	ND<10	FALSE
I-5	**1/5/1996**	**24**	**TRUE**
I-5	**9/25/1996**	**30**	**TRUE**
I-5	3/26/1997	ND<10	FALSE
I-5	**9/17/1997**	**81**	**TRUE**
I-5	**5/5/1998**	**23**	**TRUE**
I-5	10/16/1998	ND<10	FALSE
I-5	**3/26/1999**	**32**	**TRUE**
I-5	**9/22/1999**	**47**	**TRUE**
I-5	3/27/2000	ND<10	FALSE
I-5	**9/13/2000**	**47**	**TRUE**
I-5	**3/12/2001**	**70**	**TRUE**
I-5	**9/13/2001**	**32**	**TRUE**
I-5	**3/7/2002**	**50**	**TRUE**
I-5	**9/18/2002**	**26**	**TRUE**
I-5	**4/15/2003**	**33**	**TRUE**
I-5	**10/16/2003**	**50**	**TRUE**
I-5	**3/24/2004**	**66**	**TRUE**
I-5	**9/22/2004**	**36**	**TRUE**
I-5	**5/11/2005**	**46**	**TRUE**
I-5	**10/11/2005**	**28**	**TRUE**

I-5	**4/24/2006**	**35.7**	**TRUE**
I-5	**4/24/2006**	**35.7**	**TRUE**
I-5	**10/19/2006**	**40.5**	**TRUE**
I-5	**4/12/2007**	**38.2**	**TRUE**
I-5	**9/28/2007**	**30.1**	**TRUE**
I-5	4/30/2008	ND<10	FALSE
I-5	12/2/2008	ND<10	FALSE
I-5	2/13/2009	ND<10	FALSE
I-5	4/17/2009	ND<10	FALSE
I-5	10/16/2009	ND<10	FALSE
I-5	4/30/2010	ND<10	FALSE
I-5	10/8/2010	ND<10	FALSE
I-5	5/11/2011	ND<10	FALSE
II-6	3/17/1995	7	FALSE
II-6	**7/11/1995**	**51**	**TRUE**
II-6	11/17/1995	ND<10	FALSE
II-6	**1/5/1996**	**34**	**TRUE**
II-6	**9/25/1996**	**37**	**TRUE**
II-6	**3/26/1997**	**56**	**TRUE**
II-6	**9/17/1997**	**84**	**TRUE**
II-6	**5/5/1998**	**25**	**TRUE**
II-6	**10/16/1998**	**33**	**TRUE**
II-6	**3/26/1999**	**27**	**TRUE**
II-6	9/22/1999	13	FALSE
II-6	3/27/2000	ND<10	FALSE
II-6	9/13/2000	12	FALSE
II-6	3/12/2001	ND<10	FALSE
II-6	**9/13/2001**	**39**	**TRUE**
II-6	3/7/2002	15	FALSE
II-6	**9/18/2002**	**36**	**TRUE**
II-6	4/15/2003	ND<10	FALSE
II-6	**10/16/2003**	**29**	**TRUE**
II-6	**3/24/2004**	**20**	**TRUE**
II-6	9/22/2004	15	FALSE
II-6	**5/11/2005**	**25**	**TRUE**
II-6	**10/11/2005**	**48**	**TRUE**
II-6	**4/24/2006**	**28.1**	**TRUE**
II-6	**4/24/2006**	**28.1**	**TRUE**
II-6	**10/19/2006**	**42.7**	**TRUE**
II-6	**4/12/2007**	**24.5**	**TRUE**
II-6	9/28/2007	ND<10	FALSE
II-6	4/30/2008	5.3	FALSE
II-6	**12/2/2008**	**42.4**	**TRUE**
II-6	2/13/2009	ND<10	FALSE
II-6	4/17/2009	1.1	FALSE
II-6	**10/16/2009**	**34.5**	**TRUE**
II-6	**4/30/2010**	**25.8**	**TRUE**
II-6	**10/8/2010**	**27.7**	**TRUE**
II-6	5/11/2011	4.91	FALSE
II-7	3/17/1995	ND<10	FALSE
II-7	7/11/1995	12	FALSE
II-7	11/17/1995	ND<10	FALSE
II-7	1/5/1996	ND<10	FALSE

II-7	9/25/1996	ND<10	FALSE
II-7	3/26/1997	ND<10	FALSE
II-7	9/17/1997	ND<10	FALSE
II-7	5/5/1998	ND<10	FALSE
II-7	10/16/1998	ND<10	FALSE
II-7	3/26/1999	ND<10	FALSE
II-7	9/22/1999	ND<10	FALSE
II-7	3/27/2000	ND<10	FALSE
II-7	9/13/2000	ND<10	FALSE
II-7	3/12/2001	ND<10	FALSE
II-7	9/13/2001	ND<10	FALSE
II-7	3/7/2002	ND<10	FALSE
II-7	9/18/2002	ND<10	FALSE
II-7	4/15/2003	ND<10	FALSE
II-7	10/16/2003	ND<10	FALSE
II-7	3/24/2004	ND<10	FALSE
II-7	9/22/2004	ND<10	FALSE
II-7	2/17/2005	ND<10	FALSE
II-7	5/11/2005	ND<10	FALSE
II-7	10/11/2005	ND<10	FALSE
II-7	4/24/2006	ND<10	FALSE
II-7	4/24/2006	ND<10	FALSE
II-7	10/19/2006	ND<10	FALSE
II-7	4/12/2007	ND<10	FALSE
II-7	9/28/2007	ND<10	FALSE
II-7	4/30/2008	ND<10	FALSE
II-7	12/2/2008	1.3	FALSE
II-7	2/13/2009	ND<10	FALSE
II-7	4/17/2009	ND<10	FALSE
II-7	10/16/2009	2.3	FALSE
II-7	4/30/2010	2.11	FALSE
II-7	10/8/2010	ND<10	FALSE
II-7	5/11/2011	ND<10	FALSE

II-7B	3/12/2001	ND<10	FALSE
II-7B	9/13/2001	ND<10	FALSE
II-7B	3/7/2002	ND<10	FALSE
II-7B	9/18/2002	ND<10	FALSE
II-7B	4/15/2003	ND<10	FALSE
II-7B	10/16/2003	ND<10	FALSE
II-7B	3/24/2004	ND<10	FALSE
II-7B	9/22/2004	ND<10	FALSE
II-7B	2/17/2005	ND<10	FALSE
II-7B	5/11/2005	ND<10	FALSE
II-7B	10/11/2005	ND<10	FALSE
II-7B	4/24/2006	ND<10	FALSE
II-7B	4/24/2006	ND<10	FALSE
II-7B	10/19/2006	ND<10	FALSE
II-7B	4/12/2007	ND<10	FALSE
II-7B	9/28/2007	ND<10	FALSE
II-7B	4/30/2008	ND<10	FALSE
II-7B	12/2/2008	ND<10	FALSE
II-7B	2/13/2009	ND<10	FALSE
II-7B	4/17/2009	ND<10	FALSE
II-7B	10/16/2009	ND<10	FALSE
II-7B	4/30/2010	ND<10	FALSE

II-7B	10/8/2010	ND<10	FALSE
II-7B	5/11/2011	ND<10	FALSE
II-10	5/11/2005	ND<10	FALSE
II-10	4/24/2006	ND<10	FALSE
II-10	4/24/2006	ND<10	FALSE
II-10	10/19/2006	ND<10	FALSE
II-10	4/12/2007	ND<10	FALSE
II-10	9/28/2007	ND<10	FALSE
II-10	4/30/2008	ND<10	FALSE
II-10	12/2/2008	ND<10	FALSE
II-10	2/13/2009	ND<10	FALSE
II-10	4/17/2009	ND<10	FALSE
II-10	10/16/2009	ND<10	FALSE
II-10	4/30/2010	ND<10	FALSE
II-10	10/8/2010	ND<10	FALSE
II-10	5/11/2011	ND<10	FALSE
II-11	5/11/2005	12	FALSE
II-11	4/24/2006	ND<10	FALSE
II-11	4/24/2006	ND<10	FALSE
II-11	10/19/2006	ND<10	FALSE
II-11	4/12/2007	ND<10	FALSE
II-11	9/28/2007	ND<10	FALSE
II-11	4/30/2008	ND<10	FALSE
II-11	12/2/2008	ND<10	FALSE
II-11	2/13/2009	ND<10	FALSE
II-11	4/17/2009	ND<10	FALSE
II-11	10/16/2009	ND<10	FALSE
II-11	4/30/2010	ND<10	FALSE
II-11	10/8/2010	ND<10	FALSE
II-11	5/11/2011	ND<10	FALSE
II-12	**5/11/2005**	**33**	**TRUE**
II-12	**4/24/2006**	**41.8**	**TRUE**
II-12	**4/24/2006**	**41.8**	**TRUE**
II-12	10/19/2006	ND<10	FALSE
II-12	4/12/2007	ND<10	FALSE
II-12	9/28/2007	ND<10	FALSE
II-12	**4/30/2008**	**49.2**	**TRUE**
II-12	**12/2/2008**	**22.4**	**TRUE**
II-12	2/13/2009	ND<10	FALSE
II-12	**4/17/2009**	**34.4**	**TRUE**
II-12	10/16/2009	15.1	FALSE
II-12	4/30/2010	8.21	FALSE
II-12	10/8/2010	6.73	FALSE
II-12	5/11/2011	8.16	FALSE
II-9	5/11/2005	ND<10	FALSE
II-9	4/24/2006	ND<10	FALSE
II-9	4/24/2006	ND<10	FALSE
II-9	10/19/2006	ND<10	FALSE
II-9	4/12/2007	ND<10	FALSE

II-9	9/28/2007	ND<10	FALSE
II-9	4/30/2008	ND<10	FALSE
II-9	12/2/2008	ND<10	FALSE
II-9	2/13/2009	ND<10	FALSE
II-9	4/17/2009	ND<10	FALSE
II-9	10/16/2009	ND<10	FALSE
II-9	4/30/2010	ND<10	FALSE
II-9	10/8/2010	ND<10	FALSE
II-9	5/11/2011	ND<10	FALSE

Non-Parametric Tolerance Interval

Parameter: Copper

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 82.4%
Background measurements (n) = 74
Maximum Background Concentration = 200
Minimum Coverage = 96.1%
Average Coverage = 98.6667%

Location	Date	Value	Significant
II-1	3/25/1994	143	FALSE
II-1	7/6/1994	114	FALSE
II-1	9/9/1994	142	FALSE
II-1	3/17/1995	5	FALSE
II-1	7/11/1995	200	FALSE
II-1	**11/17/1995**	**253**	**TRUE**
II-1	1/5/1996	ND<200	FALSE
II-1	**9/25/1996**	**252**	**TRUE**
II-1	3/26/1997	ND<200	FALSE
II-1	9/17/1997	ND<200	FALSE
II-1	5/5/1998	200	FALSE
II-1	**10/16/1998**	**870**	**TRUE**
II-1	3/26/1999	ND<200	FALSE
II-1	9/22/1999	ND<200	FALSE
II-1	**3/27/2000**	**220**	**TRUE**
II-1	9/13/2000	ND<200	FALSE
II-1	3/12/2001	ND<200	FALSE
II-1	9/13/2001	ND<200	FALSE
II-1	3/7/2002	ND<200	FALSE
II-1	9/18/2002	ND<200	FALSE
II-1	4/15/2003	ND<200	FALSE
II-1	10/16/2003	ND<200	FALSE
II-1	3/24/2004	ND<200	FALSE
II-1	9/22/2004	ND<200	FALSE
II-1	2/17/2005	ND<200	FALSE
II-1	5/11/2005	ND<200	FALSE
II-1	10/11/2005	ND<200	FALSE
II-1	4/24/2006	ND<200	FALSE
II-1	4/24/2006	ND<200	FALSE
II-1	10/19/2006	ND<200	FALSE
II-1	4/12/2007	5.3	FALSE
II-1	9/28/2007	ND<200	FALSE
II-1	4/30/2008	8	FALSE
II-1	12/2/2008	3.3	FALSE
II-1	2/13/2009	ND<200	FALSE
II-1	4/17/2009	ND<200	FALSE
II-1	10/16/2009	4.76	FALSE
II-1	4/30/2010	4.05	FALSE
II-1	10/8/2010	15.4	FALSE
II-1	5/11/2011	17.3	FALSE
II-2	3/25/1994	7	FALSE
II-2	7/6/1994	21	FALSE

II-2	9/9/1994	36	FALSE
II-2	3/17/1995	ND<200	FALSE
II-2	7/11/1995	ND<200	FALSE
II-2	11/17/1995	ND<200	FALSE
II-2	1/5/1996	ND<200	FALSE
II-2	9/25/1996	ND<200	FALSE
II-2	3/26/1997	ND<200	FALSE
II-2	9/17/1997	ND<200	FALSE
II-2	5/5/1998	ND<200	FALSE
II-2	10/16/1998	ND<200	FALSE
II-2	3/26/1999	ND<200	FALSE
II-2	9/22/1999	ND<200	FALSE
II-2	3/27/2000	ND<200	FALSE
II-2	9/13/2000	ND<200	FALSE
II-2	3/12/2001	ND<200	FALSE
II-2	9/13/2001	ND<200	FALSE
II-2	3/7/2002	ND<200	FALSE
II-2	9/18/2002	ND<200	FALSE
II-2	4/15/2003	ND<200	FALSE
II-2	10/16/2003	ND<200	FALSE
II-2	3/24/2004	ND<200	FALSE
II-2	9/22/2004	ND<200	FALSE
II-2	2/17/2005	ND<200	FALSE
II-2	5/11/2005	ND<200	FALSE
II-2	10/11/2005	ND<200	FALSE
II-2	4/24/2006	ND<200	FALSE
II-2	4/24/2006	ND<200	FALSE
II-2	10/19/2006	ND<200	FALSE
II-2	4/12/2007	2	FALSE
II-2	9/28/2007	ND<200	FALSE
II-2	4/30/2008	ND<200	FALSE
II-2	12/2/2008	ND<200	FALSE
II-2	2/13/2009	ND<200	FALSE
II-2	4/17/2009	ND<200	FALSE
II-2	10/16/2009	ND<200	FALSE
II-2	4/30/2010	ND<200	FALSE
II-2	10/8/2010	ND<200	FALSE
II-2	5/11/2011	ND<200	FALSE
II-3	3/25/1994	6	FALSE
II-3	7/6/1994	34	FALSE
II-3	9/9/1994	34	FALSE
II-3	3/17/1995	ND<200	FALSE
II-3	7/11/1995	ND<200	FALSE
II-3	11/17/1995	ND<200	FALSE
II-3	1/5/1996	ND<200	FALSE
II-3	9/25/1996	ND<200	FALSE
II-3	**3/26/1997**	**350**	**TRUE**
II-3	**9/17/1997**	**280**	**TRUE**
II-3	5/5/1998	ND<200	FALSE
II-3	10/16/1998	ND<200	FALSE
II-3	3/26/1999	ND<200	FALSE
II-3	9/22/1999	ND<200	FALSE
II-3	3/27/2000	ND<200	FALSE
II-3	9/13/2000	ND<200	FALSE
II-3	3/12/2001	ND<200	FALSE

II-3	9/13/2001	ND<200	FALSE
II-3	3/7/2002	ND<200	FALSE
II-3	9/18/2002	ND<200	FALSE
II-3	4/15/2003	ND<200	FALSE
II-3	10/16/2003	ND<200	FALSE
II-3	3/24/2004	ND<200	FALSE
II-3	9/22/2004	ND<200	FALSE
II-3	2/17/2005	ND<200	FALSE
II-3	5/11/2005	ND<200	FALSE
II-3	10/11/2005	ND<200	FALSE
II-3	4/24/2006	ND<200	FALSE
II-3	4/24/2006	ND<200	FALSE
II-3	10/19/2006	ND<200	FALSE
II-3	4/12/2007	0.6	FALSE
II-3	9/28/2007	ND<200	FALSE
II-3	4/30/2008	ND<200	FALSE
II-3	12/2/2008	ND<200	FALSE
II-3	2/13/2009	ND<200	FALSE
II-3	4/17/2009	3.4	FALSE
II-3	10/16/2009	2.31	FALSE
II-3	4/30/2010	3.42	FALSE
II-3	10/8/2010	2.03	FALSE
II-3	5/11/2011	1.79	FALSE

II-4	3/25/1994	2	FALSE
II-4	7/6/1994	5	FALSE
II-4	9/9/1994	56	FALSE
II-4	3/17/1995	ND<200	FALSE
II-4	7/11/1995	ND<200	FALSE
II-4	11/17/1995	ND<200	FALSE
II-4	1/5/1996	ND<200	FALSE
II-4	9/25/1996	ND<200	FALSE
II-4	3/26/1997	ND<200	FALSE
II-4	9/17/1997	ND<200	FALSE
II-4	5/5/1998	ND<200	FALSE
II-4	10/16/1998	ND<200	FALSE
II-4	3/26/1999	ND<200	FALSE
II-4	9/22/1999	ND<200	FALSE
II-4	3/27/2000	ND<200	FALSE
II-4	9/13/2000	ND<200	FALSE
II-4	3/12/2001	ND<200	FALSE
II-4	9/13/2001	ND<200	FALSE
II-4	3/7/2002	ND<200	FALSE
II-4	9/18/2002	ND<200	FALSE
II-4	4/15/2003	ND<200	FALSE
II-4	10/16/2003	ND<200	FALSE
II-4	3/24/2004	ND<200	FALSE
II-4	9/22/2004	ND<200	FALSE
II-4	5/11/2005	ND<200	FALSE
II-4	10/11/2005	ND<200	FALSE
II-4	4/24/2006	ND<200	FALSE
II-4	4/24/2006	ND<200	FALSE
II-4	10/19/2006	ND<200	FALSE
II-4	4/12/2007	43.2	FALSE
II-4	9/28/2007	ND<200	FALSE
II-4	**4/30/2008**	**378**	**TRUE**

II-4	12/2/2008	72	FALSE
II-4	2/13/2009	ND<200	FALSE
II-4	4/17/2009	2.69	FALSE
II-4	10/16/2009	58.5	FALSE
II-4	4/30/2010	56.3	FALSE
II-4	10/8/2010	72	FALSE
II-4	5/11/2011	20.8	FALSE
II-5	3/25/1994	4	FALSE
II-5	7/6/1994	12	FALSE
II-5	9/9/1994	7	FALSE
II-5	3/17/1995	13	FALSE
II-5	7/11/1995	ND<200	FALSE
II-5	11/17/1995	ND<200	FALSE
II-5	1/5/1996	ND<200	FALSE
II-5	9/25/1996	ND<200	FALSE
II-5	3/26/1997	ND<200	FALSE
II-5	9/17/1997	ND<200	FALSE
II-5	5/5/1998	ND<200	FALSE
II-5	10/16/1998	ND<200	FALSE
II-5	3/26/1999	ND<200	FALSE
II-5	9/22/1999	ND<200	FALSE
II-5	**3/27/2000**	**360**	**TRUE**
II-5	9/13/2000	ND<200	FALSE
II-5	3/12/2001	ND<200	FALSE
II-5	9/13/2001	ND<200	FALSE
II-5	3/7/2002	ND<200	FALSE
II-5	9/18/2002	ND<200	FALSE
II-5	4/15/2003	ND<200	FALSE
II-5	10/16/2003	ND<200	FALSE
II-5	3/24/2004	ND<200	FALSE
II-5	9/22/2004	ND<200	FALSE
II-5	5/11/2005	ND<200	FALSE
II-5	10/11/2005	ND<200	FALSE
II-5	4/24/2006	ND<200	FALSE
II-5	4/24/2006	ND<200	FALSE
II-5	10/19/2006	ND<200	FALSE
II-5	4/12/2007	ND<200	FALSE
II-5	9/28/2007	ND<200	FALSE
II-5	4/30/2008	4.4	FALSE
II-5	12/2/2008	ND<200	FALSE
II-5	2/13/2009	ND<200	FALSE
II-5	4/17/2009	1.31	FALSE
II-5	10/16/2009	ND<200	FALSE
II-5	4/30/2010	ND<200	FALSE
II-5	10/8/2010	ND<200	FALSE
II-5	5/11/2011	2.89	FALSE
II-8	7/6/1994	ND<200	FALSE
II-8	9/9/1994	9	FALSE
II-8	3/17/1995	55	FALSE
II-8	7/11/1995	ND<200	FALSE
II-8	11/17/1995	ND<200	FALSE
II-8	1/5/1996	ND<200	FALSE
II-8	9/25/1996	ND<200	FALSE

II-8	**3/26/1997**	**440**	**TRUE**
II-8	9/17/1997	ND<200	FALSE
II-8	5/5/1998	ND<200	FALSE
II-8	10/16/1998	ND<200	FALSE
II-8	3/26/1999	ND<200	FALSE
II-8	9/22/1999	ND<200	FALSE
II-8	3/27/2000	ND<200	FALSE
II-8	9/13/2000	ND<200	FALSE
II-8	3/12/2001	ND<200	FALSE
II-8	9/13/2001	ND<200	FALSE
II-8	3/7/2002	ND<200	FALSE
II-8	9/18/2002	ND<200	FALSE
II-8	4/15/2003	ND<200	FALSE
II-8	10/16/2003	ND<200	FALSE
II-8	3/24/2004	ND<200	FALSE
II-8	9/22/2004	ND<200	FALSE
II-8	5/11/2005	ND<200	FALSE
II-8	10/11/2005	ND<200	FALSE
II-8	4/24/2006	ND<200	FALSE
II-8	4/24/2006	ND<200	FALSE
II-8	10/19/2006	ND<200	FALSE
II-8	4/12/2007	0.7	FALSE
II-8	9/28/2007	ND<200	FALSE
II-8	4/30/2008	2.5	FALSE
II-8	12/2/2008	ND<200	FALSE
II-8	2/13/2009	ND<200	FALSE
II-8	4/17/2009	ND<200	FALSE
II-8	10/16/2009	ND<200	FALSE
II-8	4/30/2010	ND<200	FALSE
II-8	10/8/2010	ND<200	FALSE
II-8	5/11/2011	ND<200	FALSE

I-5	9/9/1994	55	FALSE
I-5	3/17/1995	9	FALSE
I-5	**7/11/1995**	**620**	**TRUE**
I-5	**11/17/1995**	**253**	**TRUE**
I-5	1/5/1996	ND<200	FALSE
I-5	9/25/1996	ND<200	FALSE
I-5	**3/26/1997**	**310**	**TRUE**
I-5	**9/17/1997**	**310**	**TRUE**
I-5	5/5/1998	ND<200	FALSE
I-5	10/16/1998	ND<200	FALSE
I-5	3/26/1999	23	FALSE
I-5	9/22/1999	ND<200	FALSE
I-5	3/27/2000	ND<200	FALSE
I-5	9/13/2000	ND<200	FALSE
I-5	3/12/2001	ND<200	FALSE
I-5	9/13/2001	ND<200	FALSE
I-5	3/7/2002	ND<200	FALSE
I-5	9/18/2002	ND<200	FALSE
I-5	4/15/2003	ND<200	FALSE
I-5	10/16/2003	ND<200	FALSE
I-5	3/24/2004	ND<200	FALSE
I-5	9/22/2004	ND<200	FALSE
I-5	5/11/2005	ND<200	FALSE
I-5	10/11/2005	ND<200	FALSE

I-5	4/24/2006	ND<200	FALSE
I-5	4/24/2006	ND<200	FALSE
I-5	10/19/2006	ND<200	FALSE
I-5	4/12/2007	44	FALSE
I-5	9/28/2007	25.4	FALSE
I-5	4/30/2008	ND<200	FALSE
I-5	12/2/2008	ND<200	FALSE
I-5	2/13/2009	ND<200	FALSE
I-5	4/17/2009	ND<200	FALSE
I-5	10/16/2009	ND<200	FALSE
I-5	4/30/2010	ND<200	FALSE
I-5	10/8/2010	ND<200	FALSE
I-5	5/11/2011	ND<200	FALSE
II-6	3/17/1995	ND<200	FALSE
II-6	7/11/1995	ND<200	FALSE
II-6	11/17/1995	ND<200	FALSE
II-6	1/5/1996	ND<200	FALSE
II-6	9/25/1996	ND<200	FALSE
II-6	3/26/1997	ND<200	FALSE
II-6	9/17/1997	ND<200	FALSE
II-6	5/5/1998	ND<200	FALSE
II-6	10/16/1998	ND<200	FALSE
II-6	3/26/1999	ND<200	FALSE
II-6	9/22/1999	ND<200	FALSE
II-6	3/27/2000	ND<200	FALSE
II-6	9/13/2000	ND<200	FALSE
II-6	3/12/2001	ND<200	FALSE
II-6	9/13/2001	ND<200	FALSE
II-6	3/7/2002	ND<200	FALSE
II-6	9/18/2002	ND<200	FALSE
II-6	4/15/2003	ND<200	FALSE
II-6	10/16/2003	ND<200	FALSE
II-6	3/24/2004	ND<200	FALSE
II-6	9/22/2004	ND<200	FALSE
II-6	5/11/2005	ND<200	FALSE
II-6	10/11/2005	ND<200	FALSE
II-6	4/24/2006	ND<200	FALSE
II-6	4/24/2006	ND<200	FALSE
II-6	10/19/2006	ND<200	FALSE
II-6	4/12/2007	ND<200	FALSE
II-6	9/28/2007	ND<200	FALSE
II-6	4/30/2008	7.7	FALSE
II-6	12/2/2008	ND<200	FALSE
II-6	2/13/2009	ND<200	FALSE
II-6	4/17/2009	1.7	FALSE
II-6	10/16/2009	ND<200	FALSE
II-6	4/30/2010	3.86	FALSE
II-6	10/8/2010	ND<200	FALSE
II-6	5/11/2011	2.46	FALSE
II-7	3/17/1995	19	FALSE
II-7	7/11/1995	ND<200	FALSE
II-7	11/17/1995	ND<200	FALSE
II-7	1/5/1996	ND<200	FALSE

II-7	9/25/1996	ND<200	FALSE
II-7	3/26/1997	ND<200	FALSE
II-7	9/17/1997	ND<200	FALSE
II-7	5/5/1998	ND<200	FALSE
II-7	10/16/1998	ND<200	FALSE
II-7	3/26/1999	ND<200	FALSE
II-7	9/22/1999	ND<200	FALSE
II-7	3/27/2000	ND<200	FALSE
II-7	9/13/2000	ND<200	FALSE
II-7	3/12/2001	ND<200	FALSE
II-7	9/13/2001	ND<200	FALSE
II-7	3/7/2002	ND<200	FALSE
II-7	9/18/2002	ND<200	FALSE
II-7	4/15/2003	ND<200	FALSE
II-7	10/16/2003	ND<200	FALSE
II-7	3/24/2004	ND<200	FALSE
II-7	9/22/2004	ND<200	FALSE
II-7	2/17/2005	ND<200	FALSE
II-7	5/11/2005	ND<200	FALSE
II-7	10/11/2005	ND<200	FALSE
II-7	4/24/2006	ND<200	FALSE
II-7	4/24/2006	ND<200	FALSE
II-7	10/19/2006	ND<200	FALSE
II-7	4/12/2007	0.6	FALSE
II-7	9/28/2007	ND<200	FALSE
II-7	4/30/2008	4.1	FALSE
II-7	12/2/2008	1.8	FALSE
II-7	2/13/2009	ND<200	FALSE
II-7	4/17/2009	ND<200	FALSE
II-7	10/16/2009	3.91	FALSE
II-7	4/30/2010	1.88	FALSE
II-7	10/8/2010	1.76	FALSE
II-7	5/11/2011	ND<200	FALSE

II-7B	3/12/2001	ND<200	FALSE
II-7B	9/13/2001	ND<200	FALSE
II-7B	3/7/2002	ND<200	FALSE
II-7B	9/18/2002	ND<200	FALSE
II-7B	4/15/2003	ND<200	FALSE
II-7B	10/16/2003	ND<200	FALSE
II-7B	3/24/2004	ND<200	FALSE
II-7B	9/22/2004	ND<200	FALSE
II-7B	2/17/2005	ND<200	FALSE
II-7B	5/11/2005	ND<200	FALSE
II-7B	10/11/2005	ND<200	FALSE
II-7B	4/24/2006	ND<200	FALSE
II-7B	4/24/2006	ND<200	FALSE
II-7B	10/19/2006	ND<200	FALSE
II-7B	4/12/2007	ND<200	FALSE
II-7B	9/28/2007	ND<200	FALSE
II-7B	4/30/2008	2.9	FALSE
II-7B	12/2/2008	ND<200	FALSE
II-7B	2/13/2009	ND<200	FALSE
II-7B	4/17/2009	2.17	FALSE
II-7B	10/16/2009	1.95	FALSE
II-7B	4/30/2010	ND<200	FALSE

II-7B	10/8/2010	1.67	FALSE
II-7B	5/11/2011	1.81	FALSE
II-10	5/11/2005	ND<200	FALSE
II-10	4/24/2006	ND<200	FALSE
II-10	4/24/2006	ND<200	FALSE
II-10	10/19/2006	ND<200	FALSE
II-10	4/12/2007	ND<200	FALSE
II-10	9/28/2007	ND<200	FALSE
II-10	4/30/2008	ND<200	FALSE
II-10	12/2/2008	ND<200	FALSE
II-10	2/13/2009	ND<200	FALSE
II-10	4/17/2009	ND<200	FALSE
II-10	10/16/2009	ND<200	FALSE
II-10	4/30/2010	ND<200	FALSE
II-10	10/8/2010	ND<200	FALSE
II-10	5/11/2011	ND<200	FALSE
II-11	5/11/2005	ND<200	FALSE
II-11	4/24/2006	ND<200	FALSE
II-11	4/24/2006	ND<200	FALSE
II-11	10/19/2006	ND<200	FALSE
II-11	4/12/2007	ND<200	FALSE
II-11	9/28/2007	ND<200	FALSE
II-11	4/30/2008	ND<200	FALSE
II-11	12/2/2008	ND<200	FALSE
II-11	2/13/2009	ND<200	FALSE
II-11	4/17/2009	ND<200	FALSE
II-11	10/16/2009	ND<200	FALSE
II-11	4/30/2010	ND<200	FALSE
II-11	10/8/2010	ND<200	FALSE
II-11	5/11/2011	ND<200	FALSE
II-12	5/11/2005	ND<200	FALSE
II-12	4/24/2006	ND<200	FALSE
II-12	4/24/2006	ND<200	FALSE
II-12	10/19/2006	ND<200	FALSE
II-12	4/12/2007	ND<200	FALSE
II-12	9/28/2007	ND<200	FALSE
II-12	4/30/2008	ND<200	FALSE
II-12	12/2/2008	ND<200	FALSE
II-12	2/13/2009	ND<200	FALSE
II-12	4/17/2009	13.9	FALSE
II-12	10/16/2009	ND<200	FALSE
II-12	4/30/2010	ND<200	FALSE
II-12	10/8/2010	ND<200	FALSE
II-12	5/11/2011	ND<200	FALSE
II-9	5/11/2005	ND<200	FALSE
II-9	4/24/2006	ND<200	FALSE
II-9	4/24/2006	ND<200	FALSE
II-9	10/19/2006	ND<200	FALSE
II-9	4/12/2007	ND<200	FALSE

II-9	9/28/2007	ND<200	FALSE
II-9	4/30/2008	ND<200	FALSE
II-9	12/2/2008	ND<200	FALSE
II-9	2/13/2009	ND<200	FALSE
II-9	4/17/2009	ND<200	FALSE
II-9	10/16/2009	ND<200	FALSE
II-9	4/30/2010	ND<200	FALSE
II-9	10/8/2010	ND<200	FALSE
II-9	5/11/2011	ND<200	FALSE

Non-Parametric Tolerance Interval

Parameter: Selenium

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 91.4%
Background measurements (n) = 74
Maximum Background Concentration = 30
Minimum Coverage = 96.1%
Average Coverage = 98.6667%

Location	Date	Value	Significant
II-1	3/25/1994	ND<20	FALSE
II-1	7/6/1994	ND<20	FALSE
II-1	9/9/1994	ND<20	FALSE
II-1	3/17/1995	ND<20	FALSE
II-1	7/11/1995	ND<20	FALSE
II-1	11/17/1995	ND<20	FALSE
II-1	1/5/1996	ND<20	FALSE
II-1	9/25/1996	ND<20	FALSE
II-1	3/26/1997	20	FALSE
II-1	9/17/1997	ND<20	FALSE
II-1	5/5/1998	ND<20	FALSE
II-1	10/16/1998	22	FALSE
II-1	3/26/1999	ND<20	FALSE
II-1	9/22/1999	ND<20	FALSE
II-1	3/27/2000	ND<20	FALSE
II-1	9/13/2000	ND<20	FALSE
II-1	3/12/2001	ND<20	FALSE
II-1	9/13/2001	ND<20	FALSE
II-1	3/7/2002	ND<20	FALSE
II-1	9/18/2002	ND<20	FALSE
II-1	4/15/2003	ND<20	FALSE
II-1	10/16/2003	ND<20	FALSE
II-1	3/24/2004	ND<20	FALSE
II-1	9/22/2004	ND<20	FALSE
II-1	2/17/2005	ND<20	FALSE
II-1	5/11/2005	ND<20	FALSE
II-1	10/11/2005	ND<20	FALSE
II-1	4/24/2006	ND<20	FALSE
II-1	4/24/2006	ND<20	FALSE
II-1	10/19/2006	ND<20	FALSE
II-1	4/12/2007	ND<20	FALSE
II-1	9/28/2007	ND<20	FALSE
II-1	4/30/2008	ND<20	FALSE
II-1	12/2/2008	ND<20	FALSE
II-1	2/13/2009	ND<20	FALSE
II-1	4/17/2009	ND<20	FALSE
II-1	10/16/2009	ND<20	FALSE
II-1	4/30/2010	16.1	FALSE
II-1	10/8/2010	9.61	FALSE
II-1	5/11/2011	29.9	FALSE
II-2	3/25/1994	ND<20	FALSE
II-2	7/6/1994	ND<20	FALSE

II-2	9/9/1994	ND<20	FALSE
II-2	3/17/1995	ND<20	FALSE
II-2	7/11/1995	ND<20	FALSE
II-2	11/17/1995	ND<20	FALSE
II-2	1/5/1996	ND<20	FALSE
II-2	9/25/1996	ND<20	FALSE
II-2	3/26/1997	24	FALSE
II-2	9/17/1997	ND<20	FALSE
II-2	5/5/1998	ND<20	FALSE
II-2	10/16/1998	ND<20	FALSE
II-2	3/26/1999	ND<20	FALSE
II-2	9/22/1999	ND<20	FALSE
II-2	3/27/2000	ND<20	FALSE
II-2	9/13/2000	ND<20	FALSE
II-2	3/12/2001	ND<20	FALSE
II-2	9/13/2001	ND<20	FALSE
II-2	3/7/2002	ND<20	FALSE
II-2	9/18/2002	ND<20	FALSE
II-2	4/15/2003	ND<20	FALSE
II-2	10/16/2003	ND<20	FALSE
II-2	3/24/2004	ND<20	FALSE
II-2	9/22/2004	ND<20	FALSE
II-2	2/17/2005	ND<20	FALSE
II-2	5/11/2005	ND<20	FALSE
II-2	10/11/2005	ND<20	FALSE
II-2	4/24/2006	ND<20	FALSE
II-2	4/24/2006	ND<20	FALSE
II-2	10/19/2006	ND<20	FALSE
II-2	4/12/2007	ND<20	FALSE
II-2	9/28/2007	ND<20	FALSE
II-2	4/30/2008	ND<20	FALSE
II-2	12/2/2008	ND<20	FALSE
II-2	2/13/2009	ND<20	FALSE
II-2	4/17/2009	ND<20	FALSE
II-2	10/16/2009	ND<20	FALSE
II-2	4/30/2010	5.04	FALSE
II-2	10/8/2010	4.27	FALSE
II-2	5/11/2011	6.46	FALSE
II-3	3/25/1994	ND<20	FALSE
II-3	7/6/1994	ND<20	FALSE
II-3	9/9/1994	ND<20	FALSE
II-3	3/17/1995	ND<20	FALSE
II-3	7/11/1995	ND<20	FALSE
II-3	11/17/1995	ND<20	FALSE
II-3	1/5/1996	ND<20	FALSE
II-3	9/25/1996	ND<20	FALSE
II-3	**3/26/1997**	**48**	**TRUE**
II-3	9/17/1997	ND<20	FALSE
II-3	5/5/1998	ND<20	FALSE
II-3	10/16/1998	ND<20	FALSE
II-3	3/26/1999	ND<20	FALSE
II-3	9/22/1999	ND<20	FALSE
II-3	3/27/2000	ND<20	FALSE
II-3	9/13/2000	ND<20	FALSE
II-3	3/12/2001	ND<20	FALSE

II-3	9/13/2001	ND<20	FALSE
II-3	3/7/2002	ND<20	FALSE
II-3	9/18/2002	ND<20	FALSE
II-3	4/15/2003	ND<20	FALSE
II-3	10/16/2003	ND<20	FALSE
II-3	3/24/2004	ND<20	FALSE
II-3	9/22/2004	ND<20	FALSE
II-3	2/17/2005	ND<20	FALSE
II-3	5/11/2005	ND<20	FALSE
II-3	10/11/2005	ND<20	FALSE
II-3	4/24/2006	ND<20	FALSE
II-3	4/24/2006	ND<20	FALSE
II-3	10/19/2006	ND<20	FALSE
II-3	4/12/2007	ND<20	FALSE
II-3	9/28/2007	ND<20	FALSE
II-3	4/30/2008	ND<20	FALSE
II-3	12/2/2008	ND<20	FALSE
II-3	2/13/2009	ND<20	FALSE
II-3	4/17/2009	ND<20	FALSE
II-3	10/16/2009	ND<20	FALSE
II-3	4/30/2010	4.18	FALSE
II-3	10/8/2010	4.02	FALSE
II-3	5/11/2011	6	FALSE

II-4	3/25/1994	ND<20	FALSE
II-4	7/6/1994	ND<20	FALSE
II-4	9/9/1994	ND<20	FALSE
II-4	3/17/1995	ND<20	FALSE
II-4	7/11/1995	ND<20	FALSE
II-4	11/17/1995	ND<20	FALSE
II-4	1/5/1996	ND<20	FALSE
II-4	9/25/1996	ND<20	FALSE
II-4	**3/26/1997**	**34**	**TRUE**
II-4	9/17/1997	ND<20	FALSE
II-4	5/5/1998	ND<20	FALSE
II-4	10/16/1998	ND<20	FALSE
II-4	3/26/1999	ND<20	FALSE
II-4	9/22/1999	ND<20	FALSE
II-4	3/27/2000	ND<20	FALSE
II-4	9/13/2000	ND<20	FALSE
II-4	3/12/2001	ND<20	FALSE
II-4	9/13/2001	ND<20	FALSE
II-4	3/7/2002	ND<20	FALSE
II-4	9/18/2002	ND<20	FALSE
II-4	4/15/2003	ND<20	FALSE
II-4	10/16/2003	ND<20	FALSE
II-4	3/24/2004	ND<20	FALSE
II-4	9/22/2004	ND<20	FALSE
II-4	5/11/2005	ND<20	FALSE
II-4	10/11/2005	ND<20	FALSE
II-4	4/24/2006	ND<20	FALSE
II-4	4/24/2006	ND<20	FALSE
II-4	10/19/2006	ND<20	FALSE
II-4	4/12/2007	ND<20	FALSE
II-4	9/28/2007	ND<20	FALSE
II-4	4/30/2008	ND<20	FALSE

II-4	12/2/2008	ND<20	FALSE
II-4	2/13/2009	ND<20	FALSE
II-4	4/17/2009	ND<20	FALSE
II-4	10/16/2009	ND<20	FALSE
II-4	4/30/2010	4.19	FALSE
II-4	10/8/2010	2.82	FALSE
II-4	5/11/2011	4.65	FALSE
II-5	3/25/1994	ND<20	FALSE
II-5	7/6/1994	ND<20	FALSE
II-5	9/9/1994	ND<20	FALSE
II-5	3/17/1995	ND<20	FALSE
II-5	7/11/1995	ND<20	FALSE
II-5	11/17/1995	ND<20	FALSE
II-5	1/5/1996	ND<20	FALSE
II-5	9/25/1996	ND<20	FALSE
II-5	3/26/1997	23	FALSE
II-5	9/17/1997	ND<20	FALSE
II-5	5/5/1998	ND<20	FALSE
II-5	10/16/1998	ND<20	FALSE
II-5	3/26/1999	ND<20	FALSE
II-5	9/22/1999	ND<20	FALSE
II-5	3/27/2000	ND<20	FALSE
II-5	9/13/2000	ND<20	FALSE
II-5	3/12/2001	ND<20	FALSE
II-5	9/13/2001	ND<20	FALSE
II-5	3/7/2002	ND<20	FALSE
II-5	9/18/2002	ND<20	FALSE
II-5	4/15/2003	ND<20	FALSE
II-5	10/16/2003	ND<20	FALSE
II-5	3/24/2004	ND<20	FALSE
II-5	9/22/2004	ND<20	FALSE
II-5	5/11/2005	ND<20	FALSE
II-5	10/11/2005	ND<20	FALSE
II-5	4/24/2006	ND<20	FALSE
II-5	4/24/2006	ND<20	FALSE
II-5	10/19/2006	ND<20	FALSE
II-5	4/12/2007	ND<20	FALSE
II-5	9/28/2007	ND<20	FALSE
II-5	4/30/2008	ND<20	FALSE
II-5	12/2/2008	ND<20	FALSE
II-5	2/13/2009	ND<20	FALSE
II-5	4/17/2009	ND<20	FALSE
II-5	10/16/2009	ND<20	FALSE
II-5	4/30/2010	2.57	FALSE
II-5	10/8/2010	2.54	FALSE
II-5	5/11/2011	1.91	FALSE
II-8	7/6/1994	ND<20	FALSE
II-8	9/9/1994	ND<20	FALSE
II-8	3/17/1995	ND<20	FALSE
II-8	7/11/1995	ND<20	FALSE
II-8	11/17/1995	ND<20	FALSE
II-8	1/5/1996	ND<20	FALSE
II-8	9/25/1996	ND<20	FALSE

II-8	**3/26/1997**	**69**	**TRUE**
II-8	9/17/1997	ND<20	FALSE
II-8	5/5/1998	ND<20	FALSE
II-8	10/16/1998	ND<20	FALSE
II-8	3/26/1999	ND<20	FALSE
II-8	9/22/1999	ND<20	FALSE
II-8	3/27/2000	ND<20	FALSE
II-8	9/13/2000	ND<20	FALSE
II-8	3/12/2001	ND<20	FALSE
II-8	9/13/2001	ND<20	FALSE
II-8	3/7/2002	ND<20	FALSE
II-8	9/18/2002	ND<20	FALSE
II-8	4/15/2003	ND<20	FALSE
II-8	10/16/2003	ND<20	FALSE
II-8	3/24/2004	ND<20	FALSE
II-8	9/22/2004	ND<20	FALSE
II-8	5/11/2005	ND<20	FALSE
II-8	10/11/2005	ND<20	FALSE
II-8	4/24/2006	ND<20	FALSE
II-8	4/24/2006	ND<20	FALSE
II-8	10/19/2006	ND<20	FALSE
II-8	4/12/2007	ND<20	FALSE
II-8	9/28/2007	ND<20	FALSE
II-8	4/30/2008	ND<20	FALSE
II-8	12/2/2008	ND<20	FALSE
II-8	2/13/2009	ND<20	FALSE
II-8	4/17/2009	ND<20	FALSE
II-8	10/16/2009	ND<20	FALSE
II-8	4/30/2010	17	FALSE
II-8	10/8/2010	10.2	FALSE
II-8	5/11/2011	24.7	FALSE

I-5	9/9/1994	ND<20	FALSE
I-5	3/17/1995	ND<20	FALSE
I-5	7/11/1995	ND<20	FALSE
I-5	11/17/1995	ND<20	FALSE
I-5	1/5/1996	ND<20	FALSE
I-5	9/25/1996	ND<20	FALSE
I-5	3/26/1997	29	FALSE
I-5	9/17/1997	ND<20	FALSE
I-5	5/5/1998	ND<20	FALSE
I-5	10/16/1998	ND<20	FALSE
I-5	3/26/1999	ND<20	FALSE
I-5	9/22/1999	ND<20	FALSE
I-5	3/27/2000	ND<20	FALSE
I-5	9/13/2000	ND<20	FALSE
I-5	3/12/2001	ND<20	FALSE
I-5	9/13/2001	ND<20	FALSE
I-5	3/7/2002	ND<20	FALSE
I-5	9/18/2002	ND<20	FALSE
I-5	4/15/2003	ND<20	FALSE
I-5	10/16/2003	ND<20	FALSE
I-5	3/24/2004	ND<20	FALSE
I-5	9/22/2004	ND<20	FALSE
I-5	5/11/2005	ND<20	FALSE
I-5	10/11/2005	ND<20	FALSE

I-5	4/24/2006	ND<20	FALSE
I-5	4/24/2006	ND<20	FALSE
I-5	10/19/2006	ND<20	FALSE
I-5	4/12/2007	ND<20	FALSE
I-5	9/28/2007	ND<20	FALSE
I-5	4/30/2008	ND<20	FALSE
I-5	12/2/2008	ND<20	FALSE
I-5	2/13/2009	ND<20	FALSE
I-5	4/17/2009	ND<20	FALSE
I-5	10/16/2009	ND<20	FALSE
I-5	4/30/2010	ND<20	FALSE
I-5	10/8/2010	ND<20	FALSE
I-5	5/11/2011	ND<20	FALSE
II-6	3/17/1995	ND<20	FALSE
II-6	7/11/1995	ND<20	FALSE
II-6	11/17/1995	ND<20	FALSE
II-6	1/5/1996	ND<20	FALSE
II-6	9/25/1996	ND<20	FALSE
II-6	**3/26/1997**	**38**	**TRUE**
II-6	9/17/1997	ND<20	FALSE
II-6	5/5/1998	ND<20	FALSE
II-6	10/16/1998	ND<20	FALSE
II-6	3/26/1999	ND<20	FALSE
II-6	9/22/1999	ND<20	FALSE
II-6	3/27/2000	ND<20	FALSE
II-6	9/13/2000	ND<20	FALSE
II-6	3/12/2001	ND<20	FALSE
II-6	9/13/2001	ND<20	FALSE
II-6	3/7/2002	ND<20	FALSE
II-6	9/18/2002	ND<20	FALSE
II-6	4/15/2003	ND<20	FALSE
II-6	10/16/2003	ND<20	FALSE
II-6	3/24/2004	ND<20	FALSE
II-6	9/22/2004	ND<20	FALSE
II-6	5/11/2005	ND<20	FALSE
II-6	10/11/2005	ND<20	FALSE
II-6	4/24/2006	ND<20	FALSE
II-6	4/24/2006	ND<20	FALSE
II-6	10/19/2006	ND<20	FALSE
II-6	4/12/2007	ND<20	FALSE
II-6	9/28/2007	ND<20	FALSE
II-6	4/30/2008	ND<20	FALSE
II-6	12/2/2008	ND<20	FALSE
II-6	2/13/2009	ND<20	FALSE
II-6	4/17/2009	ND<20	FALSE
II-6	10/16/2009	6.5	FALSE
II-6	4/30/2010	17.3	FALSE
II-6	10/8/2010	11.6	FALSE
II-6	5/11/2011	4.76	FALSE
II-7	3/17/1995	ND<20	FALSE
II-7	7/11/1995	ND<20	FALSE
II-7	11/17/1995	ND<20	FALSE
II-7	1/5/1996	ND<20	FALSE

II-7	9/25/1996	ND<20	FALSE
II-7	3/26/1997	ND<20	FALSE
II-7	9/17/1997	ND<20	FALSE
II-7	5/5/1998	ND<20	FALSE
II-7	10/16/1998	ND<20	FALSE
II-7	3/26/1999	ND<20	FALSE
II-7	9/22/1999	ND<20	FALSE
II-7	3/27/2000	ND<20	FALSE
II-7	9/13/2000	ND<20	FALSE
II-7	3/12/2001	ND<20	FALSE
II-7	9/13/2001	ND<20	FALSE
II-7	3/7/2002	ND<20	FALSE
II-7	9/18/2002	ND<20	FALSE
II-7	4/15/2003	ND<20	FALSE
II-7	10/16/2003	ND<20	FALSE
II-7	3/24/2004	ND<20	FALSE
II-7	9/22/2004	ND<20	FALSE
II-7	2/17/2005	ND<20	FALSE
II-7	5/11/2005	ND<20	FALSE
II-7	10/11/2005	ND<20	FALSE
II-7	4/24/2006	ND<20	FALSE
II-7	4/24/2006	ND<20	FALSE
II-7	10/19/2006	ND<20	FALSE
II-7	4/12/2007	4	FALSE
II-7	9/28/2007	ND<20	FALSE
II-7	4/30/2008	ND<20	FALSE
II-7	12/2/2008	ND<20	FALSE
II-7	2/13/2009	ND<20	FALSE
II-7	4/17/2009	ND<20	FALSE
II-7	10/16/2009	ND<20	FALSE
II-7	4/30/2010	2.09	FALSE
II-7	10/8/2010	ND<20	FALSE
II-7	5/11/2011	1.08	FALSE

II-7B	3/12/2001	ND<20	FALSE
II-7B	9/13/2001	ND<20	FALSE
II-7B	3/7/2002	ND<20	FALSE
II-7B	9/18/2002	ND<20	FALSE
II-7B	4/15/2003	ND<20	FALSE
II-7B	10/16/2003	ND<20	FALSE
II-7B	3/24/2004	ND<20	FALSE
II-7B	9/22/2004	ND<20	FALSE
II-7B	2/17/2005	ND<20	FALSE
II-7B	5/11/2005	ND<20	FALSE
II-7B	10/11/2005	ND<20	FALSE
II-7B	4/24/2006	ND<20	FALSE
II-7B	4/24/2006	ND<20	FALSE
II-7B	10/19/2006	ND<20	FALSE
II-7B	4/12/2007	3.4	FALSE
II-7B	9/28/2007	ND<20	FALSE
II-7B	4/30/2008	ND<20	FALSE
II-7B	12/2/2008	ND<20	FALSE
II-7B	2/13/2009	ND<20	FALSE
II-7B	4/17/2009	ND<20	FALSE
II-7B	10/16/2009	ND<20	FALSE
II-7B	4/30/2010	ND<20	FALSE

II-7B	10/8/2010	ND<20	FALSE
II-7B	5/11/2011	1.1	FALSE
II-10	5/11/2005	ND<20	FALSE
II-10	4/24/2006	ND<20	FALSE
II-10	4/24/2006	ND<20	FALSE
II-10	10/19/2006	ND<20	FALSE
II-10	4/12/2007	ND<20	FALSE
II-10	9/28/2007	ND<20	FALSE
II-10	4/30/2008	ND<20	FALSE
II-10	12/2/2008	ND<20	FALSE
II-10	2/13/2009	ND<20	FALSE
II-10	4/17/2009	ND<20	FALSE
II-10	10/16/2009	ND<20	FALSE
II-10	4/30/2010	ND<20	FALSE
II-10	10/8/2010	ND<20	FALSE
II-10	5/11/2011	ND<20	FALSE
II-11	5/11/2005	ND<20	FALSE
II-11	4/24/2006	ND<20	FALSE
II-11	4/24/2006	ND<20	FALSE
II-11	10/19/2006	ND<20	FALSE
II-11	4/12/2007	ND<20	FALSE
II-11	9/28/2007	ND<20	FALSE
II-11	4/30/2008	ND<20	FALSE
II-11	12/2/2008	ND<20	FALSE
II-11	2/13/2009	ND<20	FALSE
II-11	4/17/2009	ND<20	FALSE
II-11	10/16/2009	ND<20	FALSE
II-11	4/30/2010	ND<20	FALSE
II-11	10/8/2010	ND<20	FALSE
II-11	5/11/2011	ND<20	FALSE
II-12	5/11/2005	ND<20	FALSE
II-12	4/24/2006	ND<20	FALSE
II-12	4/24/2006	ND<20	FALSE
II-12	10/19/2006	ND<20	FALSE
II-12	4/12/2007	ND<20	FALSE
II-12	9/28/2007	ND<20	FALSE
II-12	4/30/2008	ND<20	FALSE
II-12	12/2/2008	ND<20	FALSE
II-12	2/13/2009	ND<20	FALSE
II-12	4/17/2009	3.8	FALSE
II-12	10/16/2009	ND<20	FALSE
II-12	4/30/2010	3.19	FALSE
II-12	10/8/2010	3.63	FALSE
II-12	5/11/2011	3.38	FALSE
II-9	5/11/2005	ND<20	FALSE
II-9	4/24/2006	ND<20	FALSE
II-9	4/24/2006	ND<20	FALSE
II-9	10/19/2006	ND<20	FALSE
II-9	4/12/2007	ND<20	FALSE

II-9	9/28/2007	ND<20	FALSE
II-9	4/30/2008	ND<20	FALSE
II-9	12/2/2008	ND<20	FALSE
II-9	2/13/2009	ND<20	FALSE
II-9	4/17/2009	ND<20	FALSE
II-9	10/16/2009	ND<20	FALSE
II-9	4/30/2010	ND<20	FALSE
II-9	10/8/2010	ND<20	FALSE
II-9	5/11/2011	ND<20	FALSE

Non-Parametric Tolerance Interval

Parameter: Vanadium

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 73%
Background measurements (n) = 74
Maximum Background Concentration = 160
Minimum Coverage = 96.1%
Average Coverage = 98.6667%

Location	Date	Value	Significant
II-1	3/25/1994	68	FALSE
II-1	7/6/1994	69	FALSE
II-1	9/9/1994	51	FALSE
II-1	3/17/1995	11	FALSE
II-1	7/11/1995	78	FALSE
II-1	11/17/1995	98	FALSE
II-1	1/5/1996	53	FALSE
II-1	9/25/1996	77	FALSE
II-1	3/26/1997	43	FALSE
II-1	9/17/1997	44	FALSE
II-1	5/5/1998	48	FALSE
II-1	**10/16/1998**	**340**	**TRUE**
II-1	3/26/1999	62	FALSE
II-1	9/22/1999	ND<40	FALSE
II-1	3/27/2000	76	FALSE
II-1	9/13/2000	ND<40	FALSE
II-1	3/12/2001	44	FALSE
II-1	9/13/2001	ND<40	FALSE
II-1	3/7/2002	ND<44	FALSE
II-1	9/18/2002	ND<40	FALSE
II-1	4/15/2003	ND<40	FALSE
II-1	10/16/2003	ND<40	FALSE
II-1	3/24/2004	ND<40	FALSE
II-1	9/22/2004	ND<40	FALSE
II-1	2/17/2005	ND<40	FALSE
II-1	5/11/2005	ND<40	FALSE
II-1	10/11/2005	ND<40	FALSE
II-1	4/24/2006	ND<40	FALSE
II-1	4/24/2006	ND<40	FALSE
II-1	10/19/2006	ND<40	FALSE
II-1	4/12/2007	ND<40	FALSE
II-1	9/28/2007	ND<40	FALSE
II-1	4/30/2008	ND<40	FALSE
II-1	12/2/2008	ND<40	FALSE
II-1	2/13/2009	ND<40	FALSE
II-1	4/17/2009	ND<40	FALSE
II-1	10/16/2009	ND<40	FALSE
II-1	4/30/2010	ND<40	FALSE
II-1	10/8/2010	ND<40	FALSE
II-1	5/11/2011	ND<40	FALSE
II-2	3/25/1994	25	FALSE
II-2	7/6/1994	86	FALSE

II-2	9/9/1994	75	FALSE
II-2	3/17/1995	25	FALSE
II-2	**7/11/1995**	**180**	**TRUE**
II-2	11/17/1995	75	FALSE
II-2	1/5/1996	101	FALSE
II-2	**9/25/1996**	**195**	**TRUE**
II-2	3/26/1997	84	FALSE
II-2	**9/17/1997**	**170**	**TRUE**
II-2	5/5/1998	ND<40	FALSE
II-2	10/16/1998	ND<40	FALSE
II-2	3/26/1999	ND<40	FALSE
II-2	9/22/1999	ND<40	FALSE
II-2	3/27/2000	ND<40	FALSE
II-2	9/13/2000	ND<40	FALSE
II-2	3/12/2001	ND<40	FALSE
II-2	9/13/2001	ND<40	FALSE
II-2	3/7/2002	ND<40	FALSE
II-2	9/18/2002	ND<40	FALSE
II-2	4/15/2003	ND<40	FALSE
II-2	10/16/2003	ND<40	FALSE
II-2	3/24/2004	ND<40	FALSE
II-2	9/22/2004	ND<40	FALSE
II-2	2/17/2005	ND<40	FALSE
II-2	5/11/2005	ND<40	FALSE
II-2	10/11/2005	ND<40	FALSE
II-2	4/24/2006	ND<40	FALSE
II-2	4/24/2006	ND<40	FALSE
II-2	10/19/2006	ND<40	FALSE
II-2	4/12/2007	ND<40	FALSE
II-2	9/28/2007	ND<40	FALSE
II-2	4/30/2008	ND<40	FALSE
II-2	12/2/2008	ND<40	FALSE
II-2	2/13/2009	ND<40	FALSE
II-2	4/17/2009	2.2	FALSE
II-2	10/16/2009	4.06	FALSE
II-2	4/30/2010	3.66	FALSE
II-2	10/8/2010	2.11	FALSE
II-2	5/11/2011	3.11	FALSE

II-3	3/25/1994	9	FALSE
II-3	7/6/1994	67	FALSE
II-3	9/9/1994	ND<40	FALSE
II-3	3/17/1995	ND<40	FALSE
II-3	7/11/1995	130	FALSE
II-3	11/17/1995	48	FALSE
II-3	1/5/1996	47	FALSE
II-3	9/25/1996	124	FALSE
II-3	**3/26/1997**	**230**	**TRUE**
II-3	**9/17/1997**	**280**	**TRUE**
II-3	5/5/1998	ND<40	FALSE
II-3	10/16/1998	ND<40	FALSE
II-3	3/26/1999	ND<40	FALSE
II-3	9/22/1999	ND<40	FALSE
II-3	3/27/2000	46	FALSE
II-3	9/13/2000	ND<40	FALSE
II-3	3/12/2001	ND<40	FALSE

II-3	9/13/2001	ND<40	FALSE
II-3	3/7/2002	ND<40	FALSE
II-3	9/18/2002	ND<40	FALSE
II-3	4/15/2003	ND<40	FALSE
II-3	10/16/2003	ND<40	FALSE
II-3	3/24/2004	ND<40	FALSE
II-3	9/22/2004	ND<40	FALSE
II-3	2/17/2005	ND<40	FALSE
II-3	5/11/2005	ND<40	FALSE
II-3	10/11/2005	ND<40	FALSE
II-3	4/24/2006	ND<40	FALSE
II-3	4/24/2006	ND<40	FALSE
II-3	10/19/2006	ND<40	FALSE
II-3	4/12/2007	ND<40	FALSE
II-3	9/28/2007	ND<40	FALSE
II-3	4/30/2008	ND<40	FALSE
II-3	12/2/2008	ND<40	FALSE
II-3	2/13/2009	ND<40	FALSE
II-3	4/17/2009	6.4	FALSE
II-3	10/16/2009	3.27	FALSE
II-3	4/30/2010	4.29	FALSE
II-3	10/8/2010	2.29	FALSE
II-3	5/11/2011	ND<40	FALSE

II-4	3/25/1994	ND<40	FALSE
II-4	7/6/1994	ND<40	FALSE
II-4	**9/9/1994**	**208**	**TRUE**
II-4	3/17/1995	ND<40	FALSE
II-4	**7/11/1995**	**250**	**TRUE**
II-4	11/17/1995	ND<40	FALSE
II-4	1/5/1996	ND<40	FALSE
II-4	9/25/1996	ND<40	FALSE
II-4	3/26/1997	130	FALSE
II-4	9/17/1997	110	FALSE
II-4	5/5/1998	110	FALSE
II-4	10/16/1998	ND<40	FALSE
II-4	3/26/1999	50	FALSE
II-4	9/22/1999	40	FALSE
II-4	3/27/2000	86	FALSE
II-4	9/13/2000	ND<40	FALSE
II-4	3/12/2001	ND<40	FALSE
II-4	9/13/2001	ND<40	FALSE
II-4	3/7/2002	ND<40	FALSE
II-4	9/18/2002	ND<40	FALSE
II-4	4/15/2003	ND<40	FALSE
II-4	10/16/2003	ND<40	FALSE
II-4	3/24/2004	ND<40	FALSE
II-4	9/22/2004	ND<40	FALSE
II-4	5/11/2005	40	FALSE
II-4	10/11/2005	42	FALSE
II-4	4/24/2006	63.2	FALSE
II-4	4/24/2006	63.2	FALSE
II-4	10/19/2006	113	FALSE
II-4	4/12/2007	55.8	FALSE
II-4	9/28/2007	ND<40	FALSE
II-4	**4/30/2008**	**524**	**TRUE**

II-4	12/2/2008	104	FALSE
II-4	2/13/2009	ND<40	FALSE
II-4	4/17/2009	14.4	FALSE
II-4	10/16/2009	79.1	FALSE
II-4	4/30/2010	74.9	FALSE
II-4	10/8/2010	98.6	FALSE
II-4	5/11/2011	33.7	FALSE
II-5	3/25/1994	7	FALSE
II-5	7/6/1994	7	FALSE
II-5	9/9/1994	6	FALSE
II-5	3/17/1995	6	FALSE
II-5	7/11/1995	ND<40	FALSE
II-5	11/17/1995	ND<40	FALSE
II-5	1/5/1996	41	FALSE
II-5	9/25/1996	52	FALSE
II-5	3/26/1997	51	FALSE
II-5	9/17/1997	67	FALSE
II-5	5/5/1998	ND<40	FALSE
II-5	10/16/1998	ND<40	FALSE
II-5	3/26/1999	ND<40	FALSE
II-5	9/22/1999	ND<40	FALSE
II-5	3/27/2000	ND<40	FALSE
II-5	9/13/2000	ND<40	FALSE
II-5	3/12/2001	ND<40	FALSE
II-5	9/13/2001	ND<40	FALSE
II-5	3/7/2002	ND<40	FALSE
II-5	9/18/2002	ND<40	FALSE
II-5	4/15/2003	ND<40	FALSE
II-5	10/16/2003	ND<40	FALSE
II-5	3/24/2004	ND<40	FALSE
II-5	9/22/2004	ND<40	FALSE
II-5	5/11/2005	ND<40	FALSE
II-5	10/11/2005	ND<40	FALSE
II-5	4/24/2006	ND<40	FALSE
II-5	4/24/2006	ND<40	FALSE
II-5	10/19/2006	ND<40	FALSE
II-5	4/12/2007	ND<40	FALSE
II-5	9/28/2007	ND<40	FALSE
II-5	4/30/2008	9.1	FALSE
II-5	12/2/2008	ND<40	FALSE
II-5	2/13/2009	ND<40	FALSE
II-5	4/17/2009	6.8	FALSE
II-5	10/16/2009	1.65	FALSE
II-5	4/30/2010	5.76	FALSE
II-5	10/8/2010	3.3	FALSE
II-5	5/11/2011	6.65	FALSE
II-8	7/6/1994	5	FALSE
II-8	9/9/1994	15	FALSE
II-8	3/17/1995	ND<40	FALSE
II-8	7/11/1995	ND<40	FALSE
II-8	11/17/1995	138	FALSE
II-8	1/5/1996	59	FALSE
II-8	9/25/1996	ND<40	FALSE

II-8	**3/26/1997**	**410**	**TRUE**
II-8	**9/17/1997**	**220**	**TRUE**
II-8	5/5/1998	ND<40	FALSE
II-8	10/16/1998	ND<40	FALSE
II-8	3/26/1999	ND<40	FALSE
II-8	9/22/1999	ND<40	FALSE
II-8	3/27/2000	ND<40	FALSE
II-8	9/13/2000	ND<40	FALSE
II-8	3/12/2001	ND<40	FALSE
II-8	9/13/2001	ND<40	FALSE
II-8	3/7/2002	ND<40	FALSE
II-8	9/18/2002	ND<40	FALSE
II-8	4/15/2003	ND<40	FALSE
II-8	10/16/2003	ND<40	FALSE
II-8	3/24/2004	ND<40	FALSE
II-8	9/22/2004	ND<40	FALSE
II-8	5/11/2005	ND<40	FALSE
II-8	10/11/2005	ND<40	FALSE
II-8	4/24/2006	ND<40	FALSE
II-8	4/24/2006	ND<40	FALSE
II-8	10/19/2006	ND<40	FALSE
II-8	4/12/2007	ND<40	FALSE
II-8	9/28/2007	ND<40	FALSE
II-8	4/30/2008	ND<40	FALSE
II-8	12/2/2008	ND<40	FALSE
II-8	2/13/2009	ND<40	FALSE
II-8	4/17/2009	2.1	FALSE
II-8	10/16/2009	6.24	FALSE
II-8	4/30/2010	2.02	FALSE
II-8	10/8/2010	1.65	FALSE
II-8	5/11/2011	1.8	FALSE

I-5	9/9/1994	45	FALSE
I-5	3/17/1995	5	FALSE
I-5	**7/11/1995**	**410**	**TRUE**
I-5	**11/17/1995**	**199**	**TRUE**
I-5	1/5/1996	100	FALSE
I-5	9/25/1996	83	FALSE
I-5	3/26/1997	140	FALSE
I-5	**9/17/1997**	**220**	**TRUE**
I-5	5/5/1998	ND<40	FALSE
I-5	10/16/1998	ND<40	FALSE
I-5	3/26/1999	ND<40	FALSE
I-5	9/22/1999	ND<40	FALSE
I-5	3/27/2000	ND<40	FALSE
I-5	9/13/2000	ND<40	FALSE
I-5	3/12/2001	ND<40	FALSE
I-5	9/13/2001	ND<40	FALSE
I-5	3/7/2002	ND<40	FALSE
I-5	9/18/2002	ND<40	FALSE
I-5	4/15/2003	ND<40	FALSE
I-5	10/16/2003	ND<40	FALSE
I-5	3/24/2004	ND<40	FALSE
I-5	9/22/2004	ND<40	FALSE
I-5	5/11/2005	ND<40	FALSE
I-5	10/11/2005	ND<40	FALSE

I-5	4/24/2006	ND<40	FALSE
I-5	4/24/2006	ND<40	FALSE
I-5	10/19/2006	ND<40	FALSE
I-5	4/12/2007	ND<40	FALSE
I-5	9/28/2007	ND<40	FALSE
I-5	4/30/2008	ND<40	FALSE
I-5	12/2/2008	ND<40	FALSE
I-5	2/13/2009	ND<40	FALSE
I-5	4/17/2009	ND<40	FALSE
I-5	10/16/2009	ND<40	FALSE
I-5	4/30/2010	ND<40	FALSE
I-5	10/8/2010	ND<40	FALSE
I-5	5/11/2011	ND<40	FALSE
II-6	3/17/1995	ND<40	FALSE
II-6	7/11/1995	78	FALSE
II-6	11/17/1995	ND<40	FALSE
II-6	1/5/1996	ND<40	FALSE
II-6	9/25/1996	48	FALSE
II-6	3/26/1997	75	FALSE
II-6	9/17/1997	66	FALSE
II-6	5/5/1998	ND<40	FALSE
II-6	10/16/1998	ND<40	FALSE
II-6	3/26/1999	ND<40	FALSE
II-6	9/22/1999	ND<40	FALSE
II-6	3/27/2000	ND<40	FALSE
II-6	9/13/2000	ND<40	FALSE
II-6	3/12/2001	ND<40	FALSE
II-6	9/13/2001	ND<40	FALSE
II-6	3/7/2002	ND<40	FALSE
II-6	9/18/2002	ND<40	FALSE
II-6	4/15/2003	ND<40	FALSE
II-6	10/16/2003	ND<40	FALSE
II-6	3/24/2004	ND<40	FALSE
II-6	9/22/2004	ND<40	FALSE
II-6	5/11/2005	ND<40	FALSE
II-6	10/11/2005	ND<40	FALSE
II-6	4/24/2006	ND<40	FALSE
II-6	4/24/2006	ND<40	FALSE
II-6	10/19/2006	ND<40	FALSE
II-6	4/12/2007	ND<40	FALSE
II-6	9/28/2007	ND<40	FALSE
II-6	4/30/2008	4.1	FALSE
II-6	12/2/2008	ND<40	FALSE
II-6	2/13/2009	ND<40	FALSE
II-6	4/17/2009	0.7	FALSE
II-6	10/16/2009	2.02	FALSE
II-6	4/30/2010	ND<40	FALSE
II-6	10/8/2010	4.32	FALSE
II-6	5/11/2011	ND<40	FALSE
II-7	3/17/1995	15	FALSE
II-7	7/11/1995	42	FALSE
II-7	11/17/1995	ND<40	FALSE
II-7	1/5/1996	ND<40	FALSE

II-7	9/25/1996	ND<40	FALSE
II-7	3/26/1997	ND<40	FALSE
II-7	9/17/1997	ND<40	FALSE
II-7	5/5/1998	ND<40	FALSE
II-7	10/16/1998	ND<40	FALSE
II-7	3/26/1999	ND<40	FALSE
II-7	9/22/1999	ND<40	FALSE
II-7	3/27/2000	ND<40	FALSE
II-7	9/13/2000	ND<40	FALSE
II-7	3/12/2001	ND<40	FALSE
II-7	9/13/2001	ND<40	FALSE
II-7	3/7/2002	ND<40	FALSE
II-7	9/18/2002	ND<40	FALSE
II-7	4/15/2003	ND<40	FALSE
II-7	10/16/2003	ND<40	FALSE
II-7	3/24/2004	ND<40	FALSE
II-7	9/22/2004	ND<40	FALSE
II-7	2/17/2005	ND<40	FALSE
II-7	5/11/2005	ND<40	FALSE
II-7	10/11/2005	ND<40	FALSE
II-7	4/24/2006	ND<40	FALSE
II-7	4/24/2006	ND<40	FALSE
II-7	10/19/2006	ND<40	FALSE
II-7	4/12/2007	ND<40	FALSE
II-7	9/28/2007	ND<40	FALSE
II-7	4/30/2008	1.8	FALSE
II-7	12/2/2008	ND<40	FALSE
II-7	2/13/2009	ND<40	FALSE
II-7	4/17/2009	ND<40	FALSE
II-7	10/16/2009	6.2	FALSE
II-7	4/30/2010	ND<40	FALSE
II-7	10/8/2010	ND<40	FALSE
II-7	5/11/2011	ND<40	FALSE

II-7B	3/12/2001	ND<40	FALSE
II-7B	9/13/2001	ND<40	FALSE
II-7B	3/7/2002	ND<40	FALSE
II-7B	9/18/2002	ND<40	FALSE
II-7B	4/15/2003	ND<40	FALSE
II-7B	10/16/2003	ND<40	FALSE
II-7B	3/24/2004	ND<40	FALSE
II-7B	9/22/2004	ND<40	FALSE
II-7B	2/17/2005	ND<40	FALSE
II-7B	5/11/2005	ND<40	FALSE
II-7B	10/11/2005	ND<40	FALSE
II-7B	4/24/2006	ND<40	FALSE
II-7B	4/24/2006	ND<40	FALSE
II-7B	10/19/2006	ND<40	FALSE
II-7B	4/12/2007	14.5	FALSE
II-7B	9/28/2007	ND<40	FALSE
II-7B	4/30/2008	15.4	FALSE
II-7B	12/2/2008	8.5	FALSE
II-7B	2/13/2009	ND<40	FALSE
II-7B	4/17/2009	10	FALSE
II-7B	10/16/2009	9.44	FALSE
II-7B	4/30/2010	8.15	FALSE

II-7B	10/8/2010	7.99	FALSE
II-7B	5/11/2011	9.54	FALSE
II-10	5/11/2005	ND<40	FALSE
II-10	4/24/2006	ND<40	FALSE
II-10	4/24/2006	ND<40	FALSE
II-10	10/19/2006	ND<40	FALSE
II-10	4/12/2007	ND<40	FALSE
II-10	9/28/2007	ND<40	FALSE
II-10	4/30/2008	ND<40	FALSE
II-10	12/2/2008	ND<40	FALSE
II-10	2/13/2009	ND<40	FALSE
II-10	4/17/2009	ND<40	FALSE
II-10	10/16/2009	ND<40	FALSE
II-10	4/30/2010	ND<40	FALSE
II-10	10/8/2010	ND<40	FALSE
II-10	5/11/2011	ND<40	FALSE
II-11	5/11/2005	ND<40	FALSE
II-11	4/24/2006	ND<40	FALSE
II-11	4/24/2006	ND<40	FALSE
II-11	10/19/2006	ND<40	FALSE
II-11	4/12/2007	ND<40	FALSE
II-11	9/28/2007	ND<40	FALSE
II-11	4/30/2008	ND<40	FALSE
II-11	12/2/2008	ND<40	FALSE
II-11	2/13/2009	ND<40	FALSE
II-11	4/17/2009	ND<40	FALSE
II-11	10/16/2009	ND<40	FALSE
II-11	4/30/2010	ND<40	FALSE
II-11	10/8/2010	ND<40	FALSE
II-11	5/11/2011	ND<40	FALSE
II-12	5/11/2005	ND<40	FALSE
II-12	4/24/2006	ND<40	FALSE
II-12	4/24/2006	ND<40	FALSE
II-12	10/19/2006	ND<40	FALSE
II-12	4/12/2007	ND<40	FALSE
II-12	9/28/2007	ND<40	FALSE
II-12	4/30/2008	ND<40	FALSE
II-12	12/2/2008	ND<40	FALSE
II-12	2/13/2009	ND<40	FALSE
II-12	4/17/2009	50.1	FALSE
II-12	10/16/2009	ND<40	FALSE
II-12	4/30/2010	ND<40	FALSE
II-12	10/8/2010	2.42	FALSE
II-12	5/11/2011	ND<40	FALSE
II-9	5/11/2005	ND<40	FALSE
II-9	4/24/2006	ND<40	FALSE
II-9	4/24/2006	ND<40	FALSE
II-9	10/19/2006	ND<40	FALSE
II-9	4/12/2007	ND<40	FALSE

II-9	9/28/2007	ND<40	FALSE
II-9	4/30/2008	ND<40	FALSE
II-9	12/2/2008	ND<40	FALSE
II-9	2/13/2009	ND<40	FALSE
II-9	4/17/2009	ND<40	FALSE
II-9	10/16/2009	ND<40	FALSE
II-9	4/30/2010	ND<40	FALSE
II-9	10/8/2010	ND<40	FALSE
II-9	5/11/2011	ND<40	FALSE

Non-Parametric Tolerance Interval

Parameter: Zinc

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 74.2%
Background measurements (n) = 74
Maximum Background Concentration = 310
Minimum Coverage = 96.1%
Average Coverage = 98.6667%

Location	Date	Value	Significant
II-1	3/25/1994	55	FALSE
II-1	7/6/1994	68	FALSE
II-1	**9/9/1994**	**424**	**TRUE**
II-1	3/17/1995	6	FALSE
II-1	7/11/1995	85	FALSE
II-1	11/17/1995	89	FALSE
II-1	1/5/1996	ND<50	FALSE
II-1	9/25/1996	71	FALSE
II-1	3/26/1997	ND<50	FALSE
II-1	9/17/1997	92	FALSE
II-1	5/5/1998	120	FALSE
II-1	**10/16/1998**	**330**	**TRUE**
II-1	3/26/1999	62	FALSE
II-1	9/22/1999	ND<50	FALSE
II-1	3/27/2000	160	FALSE
II-1	9/13/2000	ND<50	FALSE
II-1	3/12/2001	52	FALSE
II-1	9/13/2001	ND<50	FALSE
II-1	3/7/2002	ND<50	FALSE
II-1	9/18/2002	ND<50	FALSE
II-1	4/15/2003	ND<50	FALSE
II-1	10/16/2003	ND<50	FALSE
II-1	3/24/2004	ND<50	FALSE
II-1	9/22/2004	ND<50	FALSE
II-1	2/17/2005	ND<50	FALSE
II-1	5/11/2005	ND<50	FALSE
II-1	10/11/2005	ND<50	FALSE
II-1	4/24/2006	ND<50	FALSE
II-1	4/24/2006	ND<50	FALSE
II-1	10/19/2006	ND<50	FALSE
II-1	4/12/2007	ND<50	FALSE
II-1	9/28/2007	ND<50	FALSE
II-1	4/30/2008	ND<50	FALSE
II-1	12/2/2008	ND<50	FALSE
II-1	2/13/2009	ND<50	FALSE
II-1	4/17/2009	5.1	FALSE
II-1	10/16/2009	ND<50	FALSE
II-1	4/30/2010	5.77	FALSE
II-1	10/8/2010	ND<50	FALSE
II-1	5/11/2011	5.52	FALSE
II-2	3/25/1994	21	FALSE
II-2	7/6/1994	36	FALSE

II-2	9/9/1994	61	FALSE
II-2	3/17/1995	ND<50	FALSE
II-2	7/11/1995	210	FALSE
II-2	11/17/1995	ND<50	FALSE
II-2	1/5/1996	ND<50	FALSE
II-2	9/25/1996	70	FALSE
II-2	3/26/1997	240	FALSE
II-2	**9/17/1997**	**390**	**TRUE**
II-2	5/5/1998	ND<50	FALSE
II-2	10/16/1998	ND<50	FALSE
II-2	3/26/1999	ND<50	FALSE
II-2	9/22/1999	ND<50	FALSE
II-2	3/27/2000	ND<50	FALSE
II-2	9/13/2000	ND<50	FALSE
II-2	3/12/2001	ND<50	FALSE
II-2	9/13/2001	ND<50	FALSE
II-2	3/7/2002	ND<50	FALSE
II-2	9/18/2002	ND<50	FALSE
II-2	4/15/2003	ND<50	FALSE
II-2	10/16/2003	ND<50	FALSE
II-2	3/24/2004	ND<50	FALSE
II-2	9/22/2004	ND<50	FALSE
II-2	2/17/2005	ND<50	FALSE
II-2	5/11/2005	ND<50	FALSE
II-2	10/11/2005	ND<50	FALSE
II-2	4/24/2006	ND<50	FALSE
II-2	4/24/2006	ND<50	FALSE
II-2	10/19/2006	ND<50	FALSE
II-2	4/12/2007	ND<50	FALSE
II-2	9/28/2007	ND<50	FALSE
II-2	4/30/2008	ND<50	FALSE
II-2	12/2/2008	ND<50	FALSE
II-2	2/13/2009	ND<50	FALSE
II-2	4/17/2009	ND<50	FALSE
II-2	10/16/2009	8.88	FALSE
II-2	4/30/2010	ND<50	FALSE
II-2	10/8/2010	ND<50	FALSE
II-2	5/11/2011	ND<50	FALSE

II-3	3/25/1994	22	FALSE
II-3	7/6/1994	38	FALSE
II-3	9/9/1994	36	FALSE
II-3	3/17/1995	18	FALSE
II-3	7/11/1995	95	FALSE
II-3	11/17/1995	ND<50	FALSE
II-3	1/5/1996	ND<50	FALSE
II-3	9/25/1996	82	FALSE
II-3	3/26/1997	250	FALSE
II-3	9/17/1997	190	FALSE
II-3	5/5/1998	ND<50	FALSE
II-3	10/16/1998	ND<50	FALSE
II-3	3/26/1999	ND<50	FALSE
II-3	9/22/1999	ND<50	FALSE
II-3	3/27/2000	ND<50	FALSE
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II-3	3/12/2001	ND<50	FALSE

II-3	9/13/2001	ND<50	FALSE
II-3	3/7/2002	ND<50	FALSE
II-3	9/18/2002	ND<50	FALSE
II-3	4/15/2003	ND<50	FALSE
II-3	10/16/2003	ND<50	FALSE
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II-3	2/17/2005	ND<50	FALSE
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II-3	9/28/2007	ND<50	FALSE
II-3	4/30/2008	2.5	FALSE
II-3	12/2/2008	ND<50	FALSE
II-3	2/13/2009	ND<50	FALSE
II-3	4/17/2009	7.1	FALSE
II-3	10/16/2009	7.31	FALSE
II-3	4/30/2010	6.28	FALSE
II-3	10/8/2010	ND<50	FALSE
II-3	5/11/2011	ND<50	FALSE
II-4	3/25/1994	15	FALSE
II-4	7/6/1994	ND<50	FALSE
II-4	9/9/1994	152	FALSE
II-4	3/17/1995	10	FALSE
II-4	7/11/1995	130	FALSE
II-4	11/17/1995	55	FALSE
II-4	1/5/1996	ND<50	FALSE
II-4	9/25/1996	ND<50	FALSE
II-4	3/26/1997	250	FALSE
II-4	9/17/1997	130	FALSE
II-4	5/5/1998	140	FALSE
II-4	10/16/1998	66	FALSE
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II-4	3/27/2000	140	FALSE
II-4	9/13/2000	ND<50	FALSE
II-4	3/12/2001	ND<50	FALSE
II-4	9/13/2001	ND<50	FALSE
II-4	3/7/2002	ND<50	FALSE
II-4	9/18/2002	ND<50	FALSE
II-4	4/15/2003	ND<50	FALSE
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II-4	3/24/2004	ND<50	FALSE
II-4	9/22/2004	ND<50	FALSE
II-4	5/11/2005	ND<50	FALSE
II-4	10/11/2005	91	FALSE
II-4	4/24/2006	72.8	FALSE
II-4	4/24/2006	72.8	FALSE
II-4	10/19/2006	113	FALSE
II-4	4/12/2007	48.5	FALSE
II-4	9/28/2007	ND<50	FALSE
II-4	**4/30/2008**	**579**	**TRUE**

II-4	12/2/2008	121	FALSE
II-4	2/13/2009	ND<50	FALSE
II-4	4/17/2009	21.6	FALSE
II-4	10/16/2009	91.1	FALSE
II-4	4/30/2010	74.8	FALSE
II-4	10/8/2010	76.3	FALSE
II-4	5/11/2011	39.9	FALSE
II-5	3/25/1994	6	FALSE
II-5	7/6/1994	ND<50	FALSE
II-5	9/9/1994	25	FALSE
II-5	3/17/1995	14	FALSE
II-5	7/11/1995	58	FALSE
II-5	11/17/1995	ND<50	FALSE
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II-5	9/25/1996	72	FALSE
II-5	3/26/1997	150	FALSE
II-5	9/17/1997	120	FALSE
II-5	5/5/1998	56	FALSE
II-5	10/16/1998	ND<50	FALSE
II-5	3/26/1999	ND<50	FALSE
II-5	9/22/1999	ND<50	FALSE
II-5	3/27/2000	ND<50	FALSE
II-5	9/13/2000	ND<50	FALSE
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II-5	9/13/2001	ND<50	FALSE
II-5	3/7/2002	ND<50	FALSE
II-5	9/18/2002	ND<50	FALSE
II-5	4/15/2003	ND<50	FALSE
II-5	10/16/2003	ND<50	FALSE
II-5	3/24/2004	ND<50	FALSE
II-5	9/22/2004	ND<50	FALSE
II-5	5/11/2005	ND<50	FALSE
II-5	10/11/2005	ND<50	FALSE
II-5	4/24/2006	ND<50	FALSE
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II-5	4/30/2008	2.5	FALSE
II-5	12/2/2008	ND<50	FALSE
II-5	2/13/2009	ND<50	FALSE
II-5	4/17/2009	4.2	FALSE
II-5	10/16/2009	ND<50	FALSE
II-5	4/30/2010	ND<50	FALSE
II-5	10/8/2010	ND<50	FALSE
II-5	5/11/2011	ND<50	FALSE
II-8	7/6/1994	5	FALSE
II-8	9/9/1994	25	FALSE
II-8	3/17/1995	20	FALSE
II-8	7/11/1995	62	FALSE
II-8	11/17/1995	130	FALSE
II-8	1/5/1996	60	FALSE
II-8	9/25/1996	ND<50	FALSE

II-8	**3/26/1997**	**560**	**TRUE**
II-8	9/17/1997	230	FALSE
II-8	5/5/1998	63	FALSE
II-8	10/16/1998	75	FALSE
II-8	3/26/1999	ND<50	FALSE
II-8	9/22/1999	ND<50	FALSE
II-8	3/27/2000	ND<50	FALSE
II-8	9/13/2000	ND<50	FALSE
II-8	3/12/2001	ND<50	FALSE
II-8	9/13/2001	ND<50	FALSE
II-8	3/7/2002	ND<50	FALSE
II-8	9/18/2002	ND<50	FALSE
II-8	4/15/2003	ND<50	FALSE
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II-8	4/24/2006	ND<50	FALSE
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II-8	12/2/2008	ND<50	FALSE
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II-8	4/17/2009	4.7	FALSE
II-8	10/16/2009	4.03	FALSE
II-8	4/30/2010	ND<50	FALSE
II-8	10/8/2010	ND<50	FALSE
II-8	5/11/2011	ND<50	FALSE

I-5	9/9/1994	48	FALSE
I-5	3/17/1995	11	FALSE
I-5	**7/11/1995**	**400**	**TRUE**
I-5	11/17/1995	134	FALSE
I-5	1/5/1996	119	FALSE
I-5	9/25/1996	72	FALSE
I-5	3/26/1997	200	FALSE
I-5	9/17/1997	230	FALSE
I-5	5/5/1998	ND<50	FALSE
I-5	10/16/1998	ND<50	FALSE
I-5	3/26/1999	ND<50	FALSE
I-5	9/22/1999	ND<50	FALSE
I-5	3/27/2000	ND<50	FALSE
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I-5	3/12/2001	ND<50	FALSE
I-5	9/13/2001	ND<50	FALSE
I-5	3/7/2002	ND<50	FALSE
I-5	9/18/2002	ND<50	FALSE
I-5	4/15/2003	ND<50	FALSE
I-5	10/16/2003	ND<50	FALSE
I-5	3/24/2004	ND<50	FALSE
I-5	9/22/2004	ND<50	FALSE
I-5	5/11/2005	ND<50	FALSE
I-5	10/11/2005	ND<50	FALSE

I-5	4/24/2006	ND<50	FALSE
I-5	4/24/2006	ND<50	FALSE
I-5	10/19/2006	ND<50	FALSE
I-5	4/12/2007	ND<50	FALSE
I-5	9/28/2007	ND<50	FALSE
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I-5	5/11/2011	ND<50	FALSE
II-6	3/17/1995	20	FALSE
II-6	7/11/1995	140	FALSE
II-6	11/17/1995	ND<50	FALSE
II-6	1/5/1996	54	FALSE
II-6	9/25/1996	76	FALSE
II-6	3/26/1997	170	FALSE
II-6	9/17/1997	190	FALSE
II-6	5/5/1998	72	FALSE
II-6	10/16/1998	ND<50	FALSE
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II-6	2/13/2009	ND<50	FALSE
II-6	4/17/2009	5.7	FALSE
II-6	10/16/2009	4.87	FALSE
II-6	4/30/2010	4.08	FALSE
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II-7	9/25/1996	ND<50	FALSE
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II-7	9/13/2000	ND<50	FALSE
II-7	3/12/2001	ND<50	FALSE
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II-7	4/17/2009	3.7	FALSE
II-7	10/16/2009	60.4	FALSE
II-7	4/30/2010	6.49	FALSE
II-7	10/8/2010	ND<50	FALSE
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II-7B	3/12/2001	ND<50	FALSE
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II-7B	4/15/2003	ND<50	FALSE
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II-7B	10/11/2005	ND<50	FALSE
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II-7B	12/2/2008	ND<50	FALSE
II-7B	2/13/2009	ND<50	FALSE
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II-7B	4/30/2010	ND<50	FALSE

II-7B	10/8/2010	ND<50	FALSE
II-7B	5/11/2011	ND<50	FALSE
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II-10	4/30/2008	ND<50	FALSE
II-10	12/2/2008	ND<50	FALSE
II-10	2/13/2009	ND<50	FALSE
II-10	4/17/2009	ND<50	FALSE
II-10	10/16/2009	ND<50	FALSE
II-10	4/30/2010	ND<50	FALSE
II-10	10/8/2010	ND<50	FALSE
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II-11	10/19/2006	ND<50	FALSE
II-11	4/12/2007	ND<50	FALSE
II-11	9/28/2007	ND<50	FALSE
II-11	4/30/2008	ND<50	FALSE
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II-11	4/30/2010	ND<50	FALSE
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II-12	5/11/2005	ND<50	FALSE
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II-12	4/24/2006	ND<50	FALSE
II-12	10/19/2006	ND<50	FALSE
II-12	4/12/2007	ND<50	FALSE
II-12	9/28/2007	ND<50	FALSE
II-12	4/30/2008	3.5	FALSE
II-12	12/2/2008	20.5	FALSE
II-12	2/13/2009	ND<50	FALSE
II-12	4/17/2009	37.5	FALSE
II-12	10/16/2009	ND<50	FALSE
II-12	4/30/2010	ND<50	FALSE
II-12	10/8/2010	ND<50	FALSE
II-12	5/11/2011	ND<50	FALSE
II-9	5/11/2005	ND<50	FALSE
II-9	4/24/2006	ND<50	FALSE
II-9	4/24/2006	ND<50	FALSE
II-9	10/19/2006	ND<50	FALSE
II-9	4/12/2007	ND<50	FALSE

II-9	9/28/2007	ND<50	FALSE
II-9	4/30/2008	ND<50	FALSE
II-9	12/2/2008	ND<50	FALSE
II-9	2/13/2009	ND<50	FALSE
II-9	4/17/2009	ND<50	FALSE
II-9	10/16/2009	ND<50	FALSE
II-9	4/30/2010	ND<50	FALSE
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II-9	5/11/2011	ND<50	FALSE

APPENDIX VII

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).
- Send the original signed and sealed form, any tables, and Electronic Data Deliverable to: Compliance Unit, NCDENR-DWM, Solid Waste Section, 1646 Mail Service Center, Raleigh, NC 27699-1646.

Solid Waste Monitoring Data Submittal Information

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

S&ME, Inc.

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

Name: Edmund Henriques Phone: 336-288-7180

E-mail: ehenriques@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 II	North end of White Street, Greensboro, NC	41-03	.1600	May 9-12, 2011

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 — 8-8-11

Signature — Date

Affix NC Licensed/ Professional Geologist Seal

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

3718 Old Battleground Road, Greensboro, NC 27410

Facility Representative Address

NC PE Firm License Number (if applicable effective May 1, 2009)

Revised 6/2009

APPENDIX VIII

NC DENR Formatted Data Tables CD