WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
PHASE II APPENDIX I DETECTION MONITORING
APRIL 2010 SAMPLING

S&ME Project No. 1584-98-081

Prepared For:

The City of Greensboro

Prepared By:

S&ME, Inc.
3718 Old Battleground Road
Greensboro, North Carolina 27410

July 19, 2010

I hereby certify this 19th day of July 2010 that this report was prepared by me or under my direct supervision.

Edmund Q.B. Henriques
Environmental Department Manager

Technical support provided by:

Connel D. Ware
Senior Project Manager

TABLE OF CONTENTS

Page

1. EXECUTIVE SUMMARY 1
1.1 Groundwater Quality 1
1.2 Surface Water Quality 2
2. INTRODUCTION 3
3. SCOPE OF WORK 3
4. METHODS EMPLOYED 4
4.1 Monitoring Well Sampling 4
4.2 Statistical Analysis of Data 5
4.2.1 Software 5
4.2.2 Statistical Methods-Groundwater Analyses 5
4.3 Stream Sampling 6
5. RESULTS 6
5.1 Groundwater Analytical Results 6
5.1.1 Phase II Appendix I Detection Monitoring 6
5.1.2 Additional Groundwater Impact Delineation 7
5.2 Statistical Results 7
5.2.1 Historical 7
5.2.2 Statistical Analyses 7
5.2.2.1 Descriptive Statistics 8
5.2.2.2 Time vs. Concentration Graphs 8
5.2.2.3 Non-Parametric Tolerance Limits Test 10
5.3 Hydraulic Conductivity 11
5.4 Groundwater Flow Direction and Rate 12
5.5 Surface Water 12
5.6 Quality Assurance 13
6. REFERENCES 14
TABLES I
FIGURES II
APPENDIX I III
APPENDIX II IV
APPENDIX III V
APPENDIX IV VI
APPENDIX VII VIII
APPENDIX VIII IX

TABLE OF CONTENTS (CONTINUED)

TABLES:

Table 1:	Groundwater Elevation Data Summary
Table 2:	Groundwater and Surface Water Field Data Summary
Table 3:	Groundwater Analytical Results Summary, Appendix I Volatile Organic Compounds
Table 4:	Groundwater Analytical Results Summary, Inorganic Constituents
Table 5:	Statistical Test Results Summary, Appendix I Volatile Organic Compounds
Table 6:	Statistical Test Results Summary, Appendix I Inorganic Constituents
Table 7:	Groundwater Velocity Data
Table 8:	Surface Water Analytical Results Summary, Appendix I – Volatile Organic Compounds
Table 9:	Surface Water Analytical Results Summary, Appendix I – Metals

FIGURES:

Figure 1:	Site Base Map
Figure 2:	Stream Sample Location Map
Figure 3:	Groundwater Flow Map

APPENDIX:

Appendix I:	Groundwater Sampling Field Data Sheets
Appendix II:	Laboratory Analytical Reports
Appendix III:	Descriptive Statistics
Appendix IV:	Time vs. Concentration Graphs
Appendix V:	Parametric Tolerance & Non-Parametric Prediction Limit Test Results
Appendix VI:	NCDENR Environmental Monitoring Reporting Form
Appendix VII:	NC DENR Formatted Data Tables on CD

1. EXECUTIVE SUMMARY

Twelve monitoring wells and four stream locations at the White Street Landfill were sampled on April 28, 29 and 30, 2010. 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-1, II-2, II-3, II-6, and II-7 contained one or more of the following six Appendix I volatile organic constituents at concentrations exceeding the corresponding 15A NCAC 2L groundwater quality standard for Class GA groundwater; 1,1-dichloroethane, 1,4-dichlorobenzene, benzene, tetrachloroethene, trichloroethene, and vinyl chloride. No other Appendix I volatile organic compounds were detected with concentrations greater than the NCAC 2L groundwater quality standards at any of the remaining Phase II monitoring wells that were sampled, 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 for Class GA groundwater, except for chromium in well II-4. Well II-4 exhibits elevated turbidity which redevelopment has not reduced. The elevated chromium at well II-4 is thought to be derived from naturally occurring chromium in the soil and in the sample due to the well filter pack not sufficiently filtering out suspended solids. Antimony, cobalt and vanadium were detected in one or more downgradient monitoring wells during the current event. Currently, there are no corresponding 15A NCAC 2L groundwater quality standards for antimony, cobalt and vanadium; however, North Carolina has published Groundwater Protection Standards (GPS) for antimony, cobalt and vanadium which are set at 1.4 µg/L, 70 µg/L and 3.5 µg/L respectively. Only the vanadium concentrations detected at II-2, II-3, II-4, II-5, II-7B, and background well MW-13 exceed their corresponding GPS. No other Appendix I metals were detected at concentrations exceeding the corresponding 15A NCAC 2L Standards 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 naturally-occurring metals cadmium, chromium, 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 cadmium, chromium, and vanadium above their respective 15A NCAC 2L Standards or corresponding GPS 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 chromium, 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 groundwater quality standards or corresponding GPS.

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 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's for cobalt occurred in monitoring wells II-1, II-3, II-5, and II-6. The detected concentrations of cobalt in the listed wells above are all below the corresponding NCAC 2L groundwater quality standard for cobalt. The time vs. concentration plots for cobalt in wells II-1, II-3, and II-6 shows fluctuations in the concentrations of cobalt in these wells with no discernable trend evident. The time vs. concentration plot for cobalt in II-5 suggests a spike in the concentration of this metal in the current April 30, 2010 groundwater sampling event.

The statistical analyses suggest that three volatile organic parameters (1,1-dichloroethane, cis-1,2-dichloroethene, and 1,4-dichlorobenzene) 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-1, 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 well II-2 which represents an SSI during this monitoring event was detected at a concentration that is 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) and 1,4-dichlorobenzene (monitoring well II-2) were all reported at levels which exceed the respective NCAC 2L groundwater quality standard for these constituents. 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. The time vs. concentration plot for 1,4-dichlorobenzene in well II-1 shows fluctuations in the concentrations of 1,4-dichlorobenzene in this well with no discernable trend evident.

A Corrective Action Plan has been prepared to address the 15A NCAC 2L groundwater quality standard exceedances reported in prior water quality monitoring reports.

1.2 Surface Water Quality

Results from the Phase II surface water sampling indicated no volatile organic constituents were detected at concentrations above their corresponding NCAC 2B standards. Acetone, bromodichloromethane, and chloroform were detected in one or

more samples; however, there are no corresponding NCAC 2B standards for these constituents. The presence of these constituents at similar concentrations at upstream sample locations SW-2 and SW-3, suggests that Phase II is not the source of these detections. Inorganic constituent silver was estimated at a "J" flagged value of 2.22 µg/L in surface water sample SW-2. The detected concentration exceeds the corresponding NCAC 2B standard of 0.06 µg/L. Surface water sample SW-2 is collected upstream of the facility; therefore, it reflects background surface water quality. Zinc was detected at sample location SW-5 at a concentration of 54.2 µg/L; which exceeds the corresponding NCAC 2B surface water standard of 50 µg/L. Due to the detection of a similar zinc concentration at surface water sample location SW-3, located upstream of the facility, the exceedance detected at SW-5 may not reflect an impact stemming from Phase II. No other Appendix I metals were detected at concentration exceeding their corresponding NCAC 2B standards 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 April 2010 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 April 28, 29, and 30, 2010. 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-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, except at well II-4.

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 (April 2010) 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 detected parameter 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 detected 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 SWSL 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 April 30, 2010. 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 4.8 μg/L. Vinyl chloride was reported at an estimated "J" flagged concentrations at wells II-1 and II-7. The detected and estimated concentrations exceed the 0.03 μg/L NCAC 2L groundwater quality standard.
- Tetrachloroethene was detected at monitoring well II-2 at a concentration of 4.2 μg/L, which exceeds the 0.7 μg/L 15A NCAC 2L groundwater quality standard. Tetrachloroethene was also detected at an estimated concentrations in wells II-7 and II-7B which were less than the corresponding NCAC 2L standard.
- Trichloroethene was detected at monitoring well II-2 at a concentration of 4.1 μg/L, which exceeds the corresponding 15A NCAC 2L groundwater quality standard of 3 μg/L. Trichloroethene was also detected at well II-1 with an estimated concentration that is less than the corresponding NCAC 2L standard.

- Benzene was detected at monitoring wells II-1, II-2, II-6 at concentrations that exceeds the 1 μg/L NCAC 2L groundwater quality standard. Benzene was also detected at estimated concentrations at wells II-3 and II-7 that were less than the corresponding NCAC 2L Standard.
- 1,4-dichlorobenzene was detected at monitoring well II-I at a concentration that exceeds the corresponding 1.4 μg/L 15A NCAC 2L groundwater quality standard. The estimated concentrations reported for wells II-2, II-6, II-7 and II-8 are less than the corresponding NCAC 2L standard.
- 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. The estimated concentrations reported for wells II-1, II-4, II-5, II-7, and II-8 are less than the corresponding NCAC 2L standard.
- 1,1-dichloroethene, 1,2-dichlorobenzene, 4-methyl 2-pentanone, acetone, chlorobenzene, chloroethane, cis-1,2-dichloroethene, toluene, and trichlorofluoromethane were reported in one or more monitoring well samples at concentrations below the corresponding NCAC 2L groundwater quality standards.
- Chromium was detected in monitoring well II-4 at concentrations greater than the corresponding NCAC 2L groundwater quality standards.
- Vanadium was detected at monitoring wells II-2, II-3, II-4, II-5, II-7B, and MW-13 at quantified or estimated concentrations greater than the Groundwater Protection Standard (GPS) of 3.5 μg/L 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 should not reflect impacts stemming from the Facility.
- Arsenic, barium, cadmium, copper, lead, nickel, selenium, 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 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.

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 April 2010 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. In March 2005, monitoring wells II-9, II-10, II-11 and II-12 were added to expand a nature and extent study.
Statistical Analyses

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 plots for concentrations of vinyl chloride in wells II-1 and II-2 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 plots for concentrations of vinyl chloride in well II-7 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 plots for concentrations of trichlorofluoromethane in well II-2 appear to show a decreasing trend, following the March 1999 monitoring event.

- The time series plots for concentrations of 1,1-dichloroethane in wells II-1, II-4, II-7B, 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 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 two compliance wells.

- The time series plots for concentrations 1,1-dichloroethane in wells II-5 and II-7 suggest a decreasing trend in the occurrence of this constituent in these two compliance 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.

- The time series plots for concentrations of cis-1,2-dichloroethene in wells II-1 and II-3 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 plots for the concentration of cis-1,2-dichloroethene in well II-7 suggest a decreasing trend in the occurrence of this constituent in this compliance well.

- The time series plots for the concentrations of 1,4-dichlorobenzene in well II-1 show no clear trend in the data since September 2007.

- The time series plots for concentrations of 1,4-dichlorobenzene in wells II-2, II-6, II-7, 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 time series plot for concentrations of benzene in wells II-1, II-2, II-3, II-6, and II-7 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.

- 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 since March of 1994 until 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 showing a decreasing trend.

- The time series plot for tetrachloroethene in monitoring well II-7 suggest a dramatic decreasing concentration trend since the historic high concentration detected in October of 1998.

- The time series plots for the concentrations of trichloroethene in well II-2 again 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-2, II-3, II-4, and II-12 show inconsistent results with no discernable trend.

- The time series plot for concentrations of barium in wells II-5, II-6, II-7, II-7B, 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 time series plots for the concentrations of chromium in well II-4 show no clear trend in the data.

- Time series plots of the concentrations of cobalt in wells II-1, II-3, II-4, II-6, and II-12 suggests fluctuating concentrations over time, with no obvious consistent trends over time recognized.

- The time series plot for concentrations of cobalt in well II-5 suggests an increasing trend in the occurrence of this constituent in this compliance well.

- The time series plots for the concentrations of cobalt in wells II-7 and II-8 show no clear trend in the data.

- The time series plots for concentrations of copper in wells II-1, II-3, II-4, II-6, and II-7 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, II-2, II-3, II-4, II-5, II-6, II-7, II-8, and II-12 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 plots for concentrations of vanadium in wells II-2, II-3, II-4, II-5, II-7B, and II-8 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 wells II-1, II-3, II-4, II-6, and II-7 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 detected 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 represent 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 5 and 6 provide a summary of the statistical testing results. As indicated in Table 6, 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's for cobalt occurred in monitoring wells II-1, II-3, II-5, and II-6. The detected concentrations of cobalt in the listed wells above are all below the corresponding NCAC 2L groundwater quality standard for cobalt.

As indicated in Table 5, The statistical analyses suggest that three volatile organic parameters (1,1-dichloroethane, cis-1,2-dichloroethene, and 1,4-dichlorobenzene) 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-1, 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 well II-2 which represents an SSI during this monitoring event was detected at a concentration that is 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) and 1,4-dichlorobenzene (monitoring well II-2) were all reported at levels which exceed the respective NCAC 2L groundwater quality standard for these constituents.

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

The static water levels in the Phase II monitoring wells were measured on April 28, 29 and 30, 2010. The depth to the water table ranged from 6.36 feet to 23.92 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 April 2010 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 0.215 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, bromodichloromethane, and chloroform were detected at estimated ("J" flagged) concentrations from the surface water samples collected from SW-2, SW-3, SW-4, and SW-5. These constituents do not have a corresponding NCAC 2B standard. Acetone, bromodichloromethane, and chloroform were detected in surface water sample SW-3, which is upstream of

Phase II; therefore, it is a background sample location. Acetone concentrations at locations SW-4 and SW-5 are similar to those detected upstream at background location SW-3.

- Inorganic constituent silver was estimated at a "J" flagged value of 2.22 μg/L at surface water sample location SW-2 which exceeds the corresponding NCAC 2B standard concentration of 0.06 μg/L. SW-2 is located upstream from Phase II.
- Inorganic constituent zinc was detected at SW-2, SW-3, SW-4 and SW-5, only the concentrations detected at SW-5 exceeds the corresponding NCAC 2B standard of 50 μg/L. Due to the detection of a similar zinc concentration at surface water sample locations located upstream of Phase II, the landfill is not thought to be the source of the zinc concentration detected at surface water sample SW-5.
- Inorganic constituent's barium, chromium, copper, lead, nickel and selenium were reported at estimated "J" flagged values at one or more surface water sample locations; however, at concentration below their corresponding NCAC 2B standard.
- Inorganic constituent's antimony, cobalt, 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-12 and was submitted for analysis as "Duplicate II." This sample was analyzed for the Appendix I constituents. Several target Appendix I volatile organic or inorganic constituents were detected in the duplicate, and the estimated values reported for "Duplicate II" correspond to the estimated values reported for monitoring well II-12; therefore, reasonable statistical correlation 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. 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

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

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

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

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

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			
			April 2010		October 2009	
			DTGW (feet)	Elevation (feet)	DTGW (feet)	Elevation (feet)
II-1	692.34	26.50	15.75	676.59	17.46	674.88
II-2	690.05	32.24	19.72	670.33	20.96	669.09
II-3	688.05	32.45	15.93	672.12	17.69	670.36
II-4	703.27	28.72	7.55	695.72	13.31	689.96
II-5	714.31	15.96	6.36	707.95	7.93	706.38
II-6	698.47	20.57	11.25	687.22	14.33	684.14
II-7	684.08	27.54	13.56	670.52	14.79	669.29
II-7B	687.21	101.50	17.39	669.82	18.03	669.18
II-8	707.09	34.95	9.28	697.81	9.69	697.40
II-9	697.01	25.10	10.66	685.32	NG	--
II-10	703.90	23.40	NG	--	NG	--
II-11	701.77	26.60	NG	--	NG	--
II-12	700.97	22.90	9.87	690.31	11.24	689.73
MW-13	741.30	33.78	19.14	722.16	21.25	720.05
MW-14	765.30	34.28	23.92	741.38	30.86	734.44

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 & SURFACE WATER FIELD DATA SUMMARY
PHASE II - WHITE STREET LANDFILL
WHITE STREET LANDFILL
S&ME PROJECT NO. 1584-98-081

Location: II-1

Time	Date	Temp-C	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1720	4/28/2010	14.27	6.37	2.360	273	4.14	19.20	16.08
1725	4/28/2010	14.16	6.32	2.350	273	2.63	35.80	16.19
1730	4/28/2010	14.09	6.30	2.310	269	1.73	59.70	16.20
1735	4/28/2010	14.03	6.28	2.300	266	1.12	80.90	16.26
1740	4/28/2010	14.09	6.27	2.290	263	0.88	100.00	16.25
1745	4/28/2010	14.09	6.26	2.300	260	0.74	110.00	16.26
1750	4/28/2010	14.10	6.25	2.300	258	0.72	95.00	16.25
1755	4/28/2010	13.98	6.25	2.31`	253	0.57	50.60	
1800	4/28/2010	13.92	6.24	2.310	249	0.58	32.50	
1805	4/28/2010	13.86	6.23	2.320	246	0.52	20.90	
1810	4/28/2010	13.88	6.23	2.320	245	0.51	21.50	

Location: II-2

Time	Date	Temp-C	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
825	4/29/2010	14.52	6.79	0.898	175	5.61	8.52	20.21
830	4/29/2010	14.37	6.87	0.893	177	6.21	8.95	20.07
835	4/29/2010	14.59	6.86	0.910	180	6.43	6.89	20.07
840	4/29/2010	14.77	6.85	0.918	180	6.02	7.74	20.03
845	4/29/2010	14.78	6.84	0.922	182	6.23	6.57	

Location: II-3

Time	Date	Temp-C	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1000	4/20/2010	18.13	5.85	0.390	280	1.48	50.40	17.04
1005	4/20/2010	18.81	5.82	0.388	280	1.57	47.10	16.97
1010	4/20/2010	18.93	5.81	0.387	281	1.55	30.40	16.98
1015	4/20/2010	18.81	5.81	0.388	282	1.39	25.30	17.00
1020	4/20/2010	18.81	5.80	0.386	283	1.32	26.90	16.99
1025	4/20/2010	18.83	5.80	0.387	283	1.24	21.50	16.96
1030	4/20/2010	18.83	5.80	0.388	284	1.26	17.50	17.02
1035	4/20/2010	18.70	5.80	0.388	284	1.11	14.26	17.04
1040	4/20/2010	18.65	5.79	0.388	284	1.11	15.32	17.00

Location: II-4

Time	Date	Temp-C	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1220	4/30/2010	17.73	6.20	0.791	326	4.78	46.40	8.55
1225	4/30/2010	17.38	6.08	0.882	330	3.22	54.30	8.43
1230	4/30/2010	17.69	5.90	0.899	334	2.94	60.80	8.44
1235	4/30/2010	17.70	5.90	0.902	334	2.96	58.20	8.45
1240	4/30/2010	17.87	5.90	0.908	335	2.86	60.40	8.45

Location: II-5

Time	Date	Temp-C	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1120	4/30/2010	19.96	6.40	0.510	245	5.25	12.90	7.52
1125	4/30/2010	19.75	6.29	0.534	242	3.43	16.59	7.52
1130	4/30/2010	20.42	6.28	0.534	242	3.23	14.18	7.52
1135	4/30/2010	21.31	6.26	0.536	243	3.02	15.98	7.52
1140	4/30/2010	22.07	6.24	0.536	244	2.81	14.38	7.52

TABLE 2
GROUNDWATER & SURFACE WATER FIELD DATA SUMMARY
PHASE II - WHITE STREET LANDFILL
WHITE STREET LANDFILL
S&ME PROJECT NO. 1584-98-081

Location: II-6

Time	Date	Temp-C	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1620	4/28/2010	14.45	6.48	2.650	170	4.72	20.80	11.73
1625	4/28/2010	14.28	6.44	2.610	179	4.13	16.75	11.84
1630	4/28/2010	14.36	6.43	2.600	183	4.85	13.50	11.89
1635	4/28/2010	14.35	6.42	2.580	186	4.63	12.97	11.91
1640	4/28/2010	14.41	6.41	2.560	189	4.40	10.61	
1645	4/28/2010	14.44	6.41	2.460	193	4.80	10.66	

Location: II-7B

Time	Date	Temp-C	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1050	4/29/2010	10.80	9.54	0.487	129	4.65	5.55	18.25
10.55	4/29/2010	14.34	9.97	0.471	145	3.65	4.57	18.51
1100	4/29/2010	14.10	10.12	0.472	158	3.06	3.44	18.73
1105	4/29/2010	14.12	10.30	0.498	159	2.78	3.22	18.99
1110	4/29/2010	14.13	10.40	0.509	159	2.68	3.08	19.12
1115	4/29/2010	14.19	10.49	0.520	159	2.59	3.13	19.31

Location: II-7

Time	Date	Temp-C	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1215	4/29/2010	17.05	5.62	0.243	343	4.43	2.80	13.82
1220	4/29/2010	17.70	5.52	0.242	312	5.00	3.00	13.85
1225	4/29/2010	17.93	5.50	0.242	316	5.29	2.60	13.89
1230	4/29/2010	18.12	5.50	0.242	332	5.10	2.28	

Location: II-8

Time	Date	Temp-C	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1515	4/28/2010	18.38	6.24	2.300	241	2.14	5.56	9.50
1520	4/28/2010	18.57	6.22	2.430	189	0.95	5.54	9.51
1525	4/28/2010	18.55	6.20	2.400	222	0.85	4.90	9.47
1530	4/28/2010	18.27	6.20	2.400	240	0.65	5.86	9.50
1535	4/28/2010	18.42	6.19	2.390	264	0.56	6.35	9.49
1540	4/28/2010	18.30	6.19	2.380	273	0.50	5.55	
1545	4/28/2010	18.27	6.18	2.380	293	0.44	4.93	
1550	4/28/2010	18.18	6.18	2.380	302	0.39	4.80	
1555	4/28/2010	18.22	6.18	2.370	309	0.39	5.16	

Location: MW-12

Time	Date	Temp-C	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
855	4/30/10	16.32	6.69	0.909	83	1.52	8.08	10.08
900	4/30/10	15.58	6.69	0.907	83	1.86	7.18	10.14
905	4/30/10	15.07	6.69	0.909	81	1.60	6.05	10.23
910	4/30/10	15.50	6.69	0.908	80	1.33	6.03	10.24
915	4/30/10	15.94	6.68	0.909	79	1.10	6.48	10.25

Location: MW-13

Time	Date	Temp-C	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1405	4/28/10	14.66	6.68	0.437	252	7.49	11.16	19.44
1410	4/28/10	14.49	6.64	0.439	266	7.28	9.74	19.43
1415	4/28/10	14.41	6.63	0.437	277	7.05	7.24	19.47
1420	4/28/10	14.42	6.62	0.438	284	6.95	6.87	19.51
1425	4/28/10	14.56	6.60	0.439	288	6.94	6.98	19.54

Location: MW-14

Time	Date	Temp-C	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1410	4/29/10	22.69	5.75	0.072	392	6.51	2.23	24.00
1415	4/29/10	22.48	5.54	0.052	415	5.16	3.08	23.96
1420	4/29/10	21.49	5.40	0.042	431	5.22	3.19	23.97
1425	4/29/10	21.40	5.36	0.042	439	5.25	3.53	23.95
1430	4/29/10	21.23	5.35	0.042	446	4.92	3.23	23.98

TABLE 3
GROUNDWATER ANALYTICAL RESULTS SUMMARY - APRIL 2010
DETECTED VOLATILE ORGANIC COMPOUNDS
PHASE II - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Compound	Sample Locations													NC SWSL	NCAC 2L Std.
	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)	(ug/L)
1,1-Dichloroethane	2.3 J	16	15	2.2 J	0.91 J	ND	1.1 J	ND	0.79 J	ND	ND	ND	ND	5	6
1,1-Dichloroethene	ND	0.45 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5	7
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	0.43 J	ND	ND	ND	ND	ND	ND	ND	5	20
1,4-Dichlorobenzene	6.5	0.61 J	ND	ND	ND	3.4	0.53 J	ND	0.55 J	ND	ND	ND	ND	1	6
4-Methyl 2-Pentanone	5.1 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	100	ns
Acetone	ND	ND	ND	ND	ND	5.4 J	2.0 J	ND	ND	ND	ND	ND	ND	100	6,000
Benzene	1.1	1.2	0.80 J	ND	ND	1.6	0.64 J	ND	ND	ND	ND	ND	ND	1	1
Chlorobenzene	2.2 J	0.62 J	ND	ND	ND	4.5	ND	ND	2.6 J	ND	ND	ND	ND	3	50
Chloroethane	0.95 J	ND	1.6 J	ND	ND	ND	ND	ND	0.70 J	ND	ND	ND	ND	10	3,000
cis 1,2-dichloroethene	3.3 J	20	0.66 J	ND	ND	ND	3.6 J	ND	ND	ND	ND	ND	ND	5	70
Tetrachloroethene	ND	4.2	ND	ND	ND	ND	0.56 J	0.57 J	ND	ND	ND	ND	ND	1	0.7
Toluene	ND	ND	ND	ND	ND	ND	1.0	ND	ND	ND	ND	ND	ND	1	600
Trichloroethene	0.53 J	4.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	3
Trichlorofluoromethane	ND	2.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	2,000
Vinyl Chloride	0.90 J	4.8	ND	ND	ND	ND	0.80 J	ND	ND	ND	ND	ND	ND	1	0.03
Xylenes (total)	ND	ND	ND	ND	ND	1.8 J	ND	ND	ND	ND	ND	ND	ND	5	500

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 4
GROUNDWATER ANALYTICAL RESULTS SUMMARY - APRIL 2010
DETECTED INORGANIC CONSTITUENTS
PHASE II - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Compound	Sample Locations													NC SWSL	NCAC 2L Std.	NC GPS
	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)	(ug/L)	(ug/L)
Antimony	ND	ND	ND	ND	ND	0.242 J	ND	0.248 J	ND	ND	ND	ND	ND	6	ns	1.4
Arsenic	ND	ND	4.79 J	ND	ND	ND	ND	5.22 J	ND	ND	ND	ND	4.60 J	10	10	
Barium	309	63.1 J	183	469	89.0	339	21.7 J	11.5 J	87.7 J	386	414	112	17.1 J	100	700	
Cadmium	ND	ND	ND	0.432 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	2	
Chromium	2.40 J	ND	2.24 J	15.1	1.93 J	ND	1.05 J	ND	ND	ND	ND	ND	2.24 J	10	10	
Cobalt	26.4	ND	23.0	15.8	32.3	25.8	2.11 J	ND	1.46 J	8.21 J	9.12 J	BQL	BQL	10	ns	70
Copper	4.05 J	ND	3.42 J	56.3	ND	3.86 J	1.88 J	ND	ND	ND	ND	ND	ND	10	1000	
Lead	BQL	ND	ND	BQL	ND	2.41 J	BQL	ND	ND	ND	ND	ND	ND	10	15	
Nickel	13.2 J	ND	11.2 J	30.5 J	3.86 J	36.6 J	1.96 J	ND	12.0 J	10.7 J	12.1 J	ND	ND	50	100	
Selenium	16.1	5.04 J	4.18 J	4.19 J	2.57 J	17.3	2.09 J	ND	17.0	3.19 J	2.52 J	ND	ND	10	20	
Silver	4.47 J	ND	ND	ND	ND	4.32 J	ND	ND	3.07 J	2.50 J	2.58 J	ND	ND	10	20	
Vanadium	ND	3.66 J	4.29 J	74.9	5.76 J	ND	ND	8.15 J	2.02 J	ND	ND	3.65 J	ND	25	ns	3.5
Zinc	5.77 J	ND	6.28 J	74.8	ND	4.08 J	6.49 J	ND	ND	ND	4.13 J	7.20 J	ND	10	1000	

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 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 5
STATISTICAL TEST RESULTS SUMMARY - APRIL 2010
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	**No**	**No**	**No**	**No**	PND	PND	PND	PND	PND	PND	PND	PND	**No**	**No**
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**	**No**	**No**	PND	PND	**No**	**No**
cis 1,2-Dichloroethene	**No**	**No**	**Yes**	**Yes**	**No**	**No**	PND	PND	PND	PND	PND	PND	**No**	**No**
1,4-Dichlorobenzene	**Yes**	**Yes**	**No**	**No**	PND	PND	PND	PND	PND	PND	**No**	**No**	**No**	**No**
Benzene	**No**	**No**	**No**	**No**	**No**	**No**	PND	PND	PND	PND	**No**	**No**	**No**	**No**
Chlorobenzene	**No**	**No**	**No**	**No**	PND	PND	PND	PND	PND	PND	**No**	**No**	PND	PND
Tetrachloroethene	PND	PND	**No**	**No**	PND	PND	PND	PND	PND	PND	PND	PND	**No**	**No**
Toluene	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	**No**	**No**
Trichloroethene	**No**	**No**	**No**	**No**	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND

Compound	Sample Locations											
	II-7B		II-8		II-9		II-10		II-11		II-12	
	WRS	TL	WRS	TL	WRS	TL	WRS	TL	WRS	TL	WRS	TL
Vinyl Chloride	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND
Trichlorofluoromethane	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND
1,1-Dichlorothane	**No**	**No**	**No**	**No**	PND	PND	PND	PND	PND	PND	PND	PND
cis 1,2-Dichloroethene	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND
1,4-Dichlorobenzene	PND	PND	**No**	**No**	PND	PND	PND	PND	PND	PND	PND	PND
Benzene	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND
Chlorobenzene	PND	PND	**No**	**No**	PND	PND	PND	PND	PND	PND	PND	PND
Tetrachloroethene	**No**	**No**	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND
Toluene	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND
Trichloroethene	PND	PND	PND	PND	PND	PND	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
STATISTICAL TEST RESULTS SUMMARY - APRIL 2010
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**
Chromium	**No**	**No**	PND	PND	**No**	**No**	**No**	**No**	**No**	**No**	PND	PND	**No**	**No**
Cobalt	**Yes**	**Yes**	PND	PND	**Yes**	**Yes**	**No**	**No**	**Yes**	**Yes**	**Yes**	**Yes**	**No**	**No**
Copper	**No**	**No**	PND	PND	**No**	**No**	**No**	**No**	PND	PND	**No**	**No**	**No**	**No**
Selenium	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**
Vanadium	PND	PND	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**	PND	PND	PND	PND
Zinc	**No**	**No**	PND	PND	**No**	**No**	**No**	**No**	PND	PND	**No**	**No**	**No**	**No**

Compound	Sample Locations											
	II-7B		II-8		II-9		II-10		II-11		II-12	
	WRS	TL	WRS	TL	WRS	TL	WRS	TL	WRS	TL	WRS	TL
Barium	**No**	**No**	**No**	**No**	PND	PND	PND	PND	PND	PND	**No**	**No**
Chromium	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND
Cobalt	PND	PND	**No**	**No**	PND	PND	PND	PND	PND	PND	**No**	**No**
Copper	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND
Selinium	PND	PND	**No**	**No**	PND	PND	PND	PND	PND	PND	**No**	**No**
Vanadium	**No**	**No**	**No**	**No**	PND	PND	PND	PND	PND	PND	PND	PND
Zinc	PND	PND	PND	PND	PND	PND	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 7
GROUNDWATER VELOCITY DATA - APRIL 2010
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	0.025	0.040
II-3	0.380	0.2	0.024	0.046
II-4	0.200	0.2	0.036	0.036
II-5	0.042	0.2	0.030	0.006
II-6	0.221	0.2	0.016	0.018
II-7	1.077	0.2	0.025	0.134
II-8	2.353	0.2	0.018	0.215
MW-14	0.740	0.2	0.017	0.064

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 8
SURFACE WATER ANALYTICAL RESULTS SUMMARY - APRIL 2010
APPENDIX I - VOLATILE ORGANIC COMPOUNDS
PHASE II - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Compound	Sample Locations				15A NCAC 2B	NC SWSL
	SW-2	SW-3	SW-4	SW-5	Standards*	
Acetone	**3.0 J**	**3.5 J**	**4.6 J**	**4.1 J**	ns	100
Bromodichloromethane	ND	**0.83 J**	ND	ND	ns	1
Chloroform	ND	**1.8 J**	ND	ND	ns	5
Toluene	ND	**0.43 J**	ND	ND	11	1

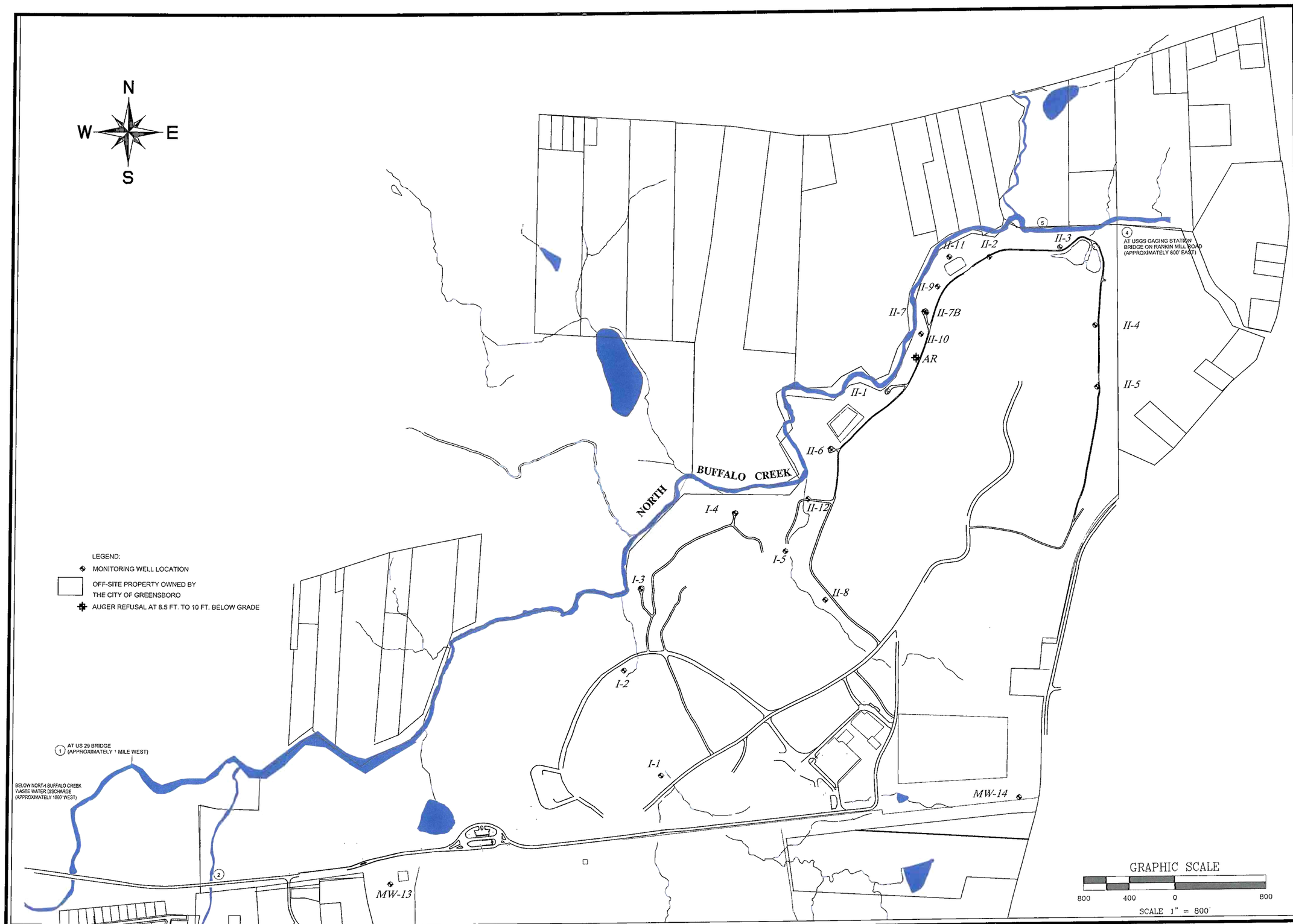
NC SWSL = North Carolina Solid Waste Section Limit
ND = Parameter not detected
* = Title 15A NCAC 2B Standards for Class C, WS-V surface water
J = Estimated value between the detection limit and the NC SWSL
ns = Title 15A NCAC 2B provides no established standard for these constituents
Yellow highlights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

TABLE 9
SURFACE WATER ANALYTICAL RESULTS SUMMARY - APRIL 2010
APPENDIX I - VOLATILE ORGANIC COMPOUNDS
PHASE II - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Compound	Sample Locations				15A NCAC 2B Standards*	NC SWSL (µg/l)
	SW-2	SW-3	SW-4	SW-5		
Antimony	ND	**0.272 J**	**0.225 J**	**0.258 J**	ns	6
Barium	**48.5 J**	**30.9 J**	**37.1 J**	**44.2 J**	1000	100
Chromium	ND	**1.14 J**	ND	**1.95 J**	50	10
Cobalt	ND	ND	ND	**1.98 J**	ns	10
Copper	ND	**5.90 J**	**3.30 J**	**6.33 J**	7	10
Lead	ND	ND	ND	**2.04 J**	25	10
Nickel	ND	ND	ND	**2.14 J**	25	50
Selenium	**1.72 J**	**0.900 J**	**0.974 J**	**1.23 J**	5	10
Silver	**2.22 J**	ND	ND	ND	0.06	10
Vanadium	ND	ND	ND	**3.45 J**	ns	25
Zinc	**6.74 J**	**48.1**	**34.0**	**54.2**	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.

FIGURES



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

SCALE: AS SHOWN	DRAWN BY: DSB/RDM	CHECKED BY: CDW	
JOB NO. 1584-98-081	DATE: JUNE 2008	FIGURE NO. 1	

S&ME
ENVIRONMENTAL SERVICES
ENGINEERING • TESTING

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

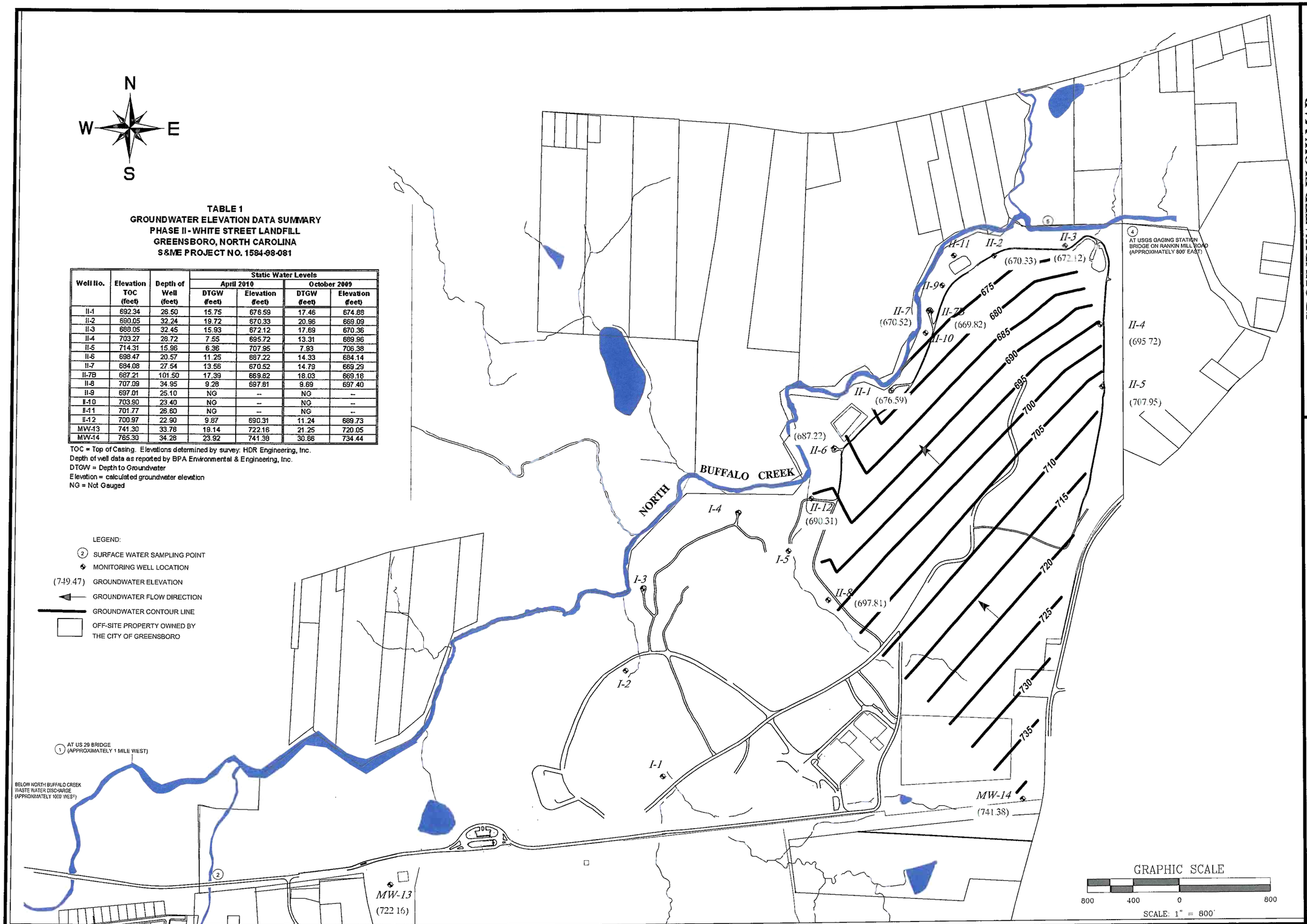
SCALE: AS SHOWN	DRAWN BY: DSB/RDM	CHECKED BY: LE	
JOB NO. 1584-98-081	DATE: DECEMBER 2007	FIGURE NO. 2	

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.	Elevation TOC (feet)	Depth of Well (feet)	Static Water Levels			
			April 2010		October 2009	
			DTGW (feet)	Elevation (feet)	DTGW (feet)	Elevation (feet)
II-1	692.34	26.50	15.75	676.59	17.46	674.88
II-2	690.05	32.24	19.72	670.33	20.96	669.09
II-3	688.05	32.45	15.93	672.12	17.69	670.36
II-4	703.27	28.72	7.55	695.72	13.31	689.96
II-5	714.31	15.96	6.36	707.95	7.93	706.38
II-6	698.47	20.57	11.25	687.22	14.33	684.14
II-7	684.08	27.54	13.56	670.52	14.79	669.29
II-7B	687.21	101.50	17.39	669.82	18.03	669.18
II-8	707.09	34.95	9.28	697.81	9.69	697.40
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	9.87	690.31	11.24	689.73
MW-13	741.30	33.78	19.14	722.16	21.25	720.05
MW-14	765.30	34.28	23.92	741.38	30.88	734.44

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: EQBH
FIGURE NO. 3
DRAWN BY: DSB/RDM
DATE: JUNE 2010
SCALE: AS SHOWN
JOB NO. 1584-98-081B

S&ME
ENVIRONMENTAL SERVICES
ENGINEERING • TESTING

APPENDIX I

Groundwater Sampling Field Data Sheets

GROUNDWATER SAMPLING FIELD DATA

Location:	WhiteStreet Landfill	Purge Date:	Wednesday, April 28, 2010
Project No.:	1584-98-081	Purge Time:	1715
Source Well:	II-1	Sample Date:	Wednesday, April 28, 2010
		Sample Time:	1815
Locked?:	Yes: x No:	Weather:	Sunny/ Windy
Sampled By:	Gary Simcox	Air Temp:	60 *F

Water Level & Well Data

Depth to water from measuring point:	15.75	feet
Depth to well bottom from measuring point:	22.00	feet
Height of water column:	6.25	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method: Pump

Sample Method: Pump

Purge Rate: < 100 ml/min

Control Settings: On: 3 sec.

Off: 27 sec.

Pressure: 21 psi

Purge Time

Start 1715 Stop 1810

Sample Collection Time

Start 1810 Stop 1815

Dissolved Hydrogen

Start: 1000 Stop: 1020

Collection Time: 1025

Volume of water in well

2" well:

height: 6.25 x .163 = 1.0188

Ferrous Iron: 0.66 mg/L

Volume of water removed: 6.5 gallons _____ liters x

Was well purged dry: Yes _____ No x

Note: MNA sampling done on 4/29/10

Sample time was 1015

Field Analyses

*Stabilization Parameters

Time	1720	1725	1730	1735	1740	1745	1750	1755	1800	1805	1810
Temp	14.27	14.16	14.09	14.03	14.09	14.09	14.10	13.98	13.92	13.86	13.88
pH	6.37	6.32	6.30	6.28	6.27	6.26	6.25	6.25	6.24	6.23	6.23
Conductivity	2.360	2.350	2.310	2.300	2.290	2.300	2.300	2.31`	2.310	2.320	2.320
*ORP	273	273	269	266	263	260	258	253	249	246	245
*D.O.	4.14	2.63	1.73	1.12	0.88	0.74	0.72	0.57	0.58	0.52	0.51
*Turbidity	19.20	35.80	59.70	80.90	100.00	110.00	95.00	50.60	32.50	20.90	21.50
DTW	16.08	16.19	16.20	16.26	16.25	16.26	16.25				

GROUNDWATER SAMPLING FIELD DATA

Location:	WhiteStreet Landfill	Purge Date:	Thursday, April 29, 2010
Project No.:	1584-98-081	Purge Time:	820
Source Well:	II-2	Sample Date:	Thursday, April 29, 2010
		Sample Time:	900
Locked?:	Yes: x No:	Weather:	Sunny
Sampled By:	Gary Simcox	Air Temp:	50 *F

Water Level & Well Data

Depth to water from measuring point:	19.72	feet
Depth to well bottom from measuring point:		feet
Height of water column:	-19.72	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method: Pump

Sample Method: Pump

Purge Rate: < 100 ml/min

Control Settings: On: 2 sec.

Off: 28 sec.

Pressure: 26 psi

Purge Time

Start 820 Stop 845

Sample Collection Time

Start 845 Stop 900

Dissolved Hydrogen

Start: 910 Stop: 930

Collection Time: 935

Volume of water in well

2" well:

height: -19.72 x .163 = -3.214

Ferrous Iron: 1.73 mg/L

Volume of water removed: 3.5 gallons _____ liters x

Was well purged dry: Yes _____ No x

Field Analyses

*Stabilization Parameters

Time	825	830	835	840	845						
Temp	14.52	14.37	14.59	14.77	14.78						
pH	6.79	6.87	6.86	6.85	6.84						
Conductivity	0.898	0.893	0.910	0.918	0.922						
*ORP	175	177	180	180	182						
*D.O.	5.61	6.21	6.43	6.02	6.23						
*Turbidity	8.52	8.95	6.89	7.74	6.57						
DTW	20.21	20.07	20.07	20.03							

GROUNDWATER SAMPLING FIELD DATA

Location:	WhiteStreet Landfill	Purge Date:	Friday, April 30, 2010
Project No.:	1584-98-081	Purge Time:	950
Source Well:	II-3	Sample Date:	Friday, April 30, 2010
		Sample Time:	1045
Locked?:	Yes: x No:	Weather:	Sunny
Sampled By:	Gary Simcox	Air Temp:	70 *F

Water Level & Well Data

Depth to water from measuring point:	15.93	feet
Depth to well bottom from measuring point:	30.00	feet
Height of water column:	14.07	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method: Pump

Sample Method: Pump

Purge Rate: < 100 ml/min

Control Settings: On: 3 sec.

Off: 27 sec.

Pressure: 27 psi

Purge Time

Start 950 Stop 1040

Sample Collection Time

Start 1040 Stop 1045

Volume of water in well

2" well:

height: 14.07 x .163 = 2.2934

Volume of water removed: 5.5 gallons _____ liters x

Was well purged dry: Yes _____ No x

Water Level: (16.70 from steel)

Field Analyses

*Stabilization Parameters

Time	1000	1005	1010	1015	1020	1025	1030	1035	1040		
Temp	18.13	18.81	18.93	18.81	18.81	18.83	18.83	18.70	18.65		
pH	5.85	5.82	5.81	5.81	5.80	5.80	5.80	5.80	5.79		
Conductivity	0.390	0.388	0.387	0.388	0.386	0.387	0.388	0.388	0.388		
*ORP	280	280	281	282	283	283	284	284	284		
*D.O.	1.48	1.57	1.55	1.39	1.32	1.24	1.26	1.11	1.11		
*Turbidity	50.40	47.10	30.40	25.30	26.90	21.50	17.50	14.26	15.32		
DTW	17.04	16.97	16.98	17.00	16.99	16.96	17.02	17.04	17.00		

GROUNDWATER SAMPLING FIELD DATA

Location:	WhiteStreet Landfill	Purge Date:	Friday, April 30, 2010
Project No.:	1584-98-081	Purge Time:	1215
Source Well:	II-4	Sample Date:	Friday, April 30, 2010
		Sample Time:	1250
Locked?:	Yes: x No:	Weather:	Sunny / Windy
Sampled By:	Gary Simcox	Air Temp:	70 *F

Water Level & Well Data

Depth to water from measuring point:	7.55	feet
Depth to well bottom from measuring point:		feet
Height of water column:	-7.55	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method: Pump

Sample Method: Pump

Purge Rate: < 100 ml/min

Control Settings: On: 3 sec.

Off: 27 sec.

Pressure: 24 psi

Purge Time

Start 1215 Stop 1245

Sample Collection Time

Start 1245 Stop 1250

Volume of water in well

2" well:

height: -7.55 x .163 = -1.231

Volume of water removed: 3.5 gallons _____ liters x

Was well purged dry: Yes _____ No x

Water Level: (8.17 from steel)

Field Analyses

*Stabilization Parameters

Time	1220	1225	1230	1235	1240						
Temp	17.73	17.38	17.69	17.70	17.87						
pH	6.20	6.08	5.90	5.90	5.90						
Conductivity	0.791	0.882	0.899	0.902	0.908						
*ORP	326	330	334	334	335						
*D.O.	4.78	3.22	2.94	2.96	2.86						
*Turbidity	46.40	54.30	60.80	58.20	60.40						
DTW	8.55	8.43	8.44	8.45	8.45						

GROUNDWATER SAMPLING FIELD DATA

Location:	WhiteStreet Landfill	Purge Date:	Friday, April 30, 2010
Project No.:	1584-98-081	Purge Time:	1115
Source Well:	II-5	Sample Date:	Friday, April 30, 2010
		Sample Time:	1145
Locked?:	Yes: x No:	Weather:	Sunny / Windy
Sampled By:	Gary Simcox	Air Temp:	70 *F

Water Level & Well Data

Depth to water from measuring point:	6.36	feet
Depth to well bottom from measuring point:		feet
Height of water column:	-6.36	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method: Pump

Sample Method: Pump

Purge Rate: < 100 ml/min

Control Settings: On: 3 sec.

Off: 27 sec.

Pressure: 17 psi

Purge Time

Start 1115 Stop 1140

Sample Collection Time

Start 1140 Stop 1145

Volume of water in well

2" well:

height: -6.36 x .163 = -1.037

Volume of water removed: 3.5 gallons _____ liters x

Was well purged dry: Yes _____ No x

Water Level: (7.25 from steel)

Field Analyses

*Stabilization Parameters

Time	1120	1125	1130	1135	1140						
Temp	19.96	19.75	20.42	21.31	22.07						
pH	6.40	6.29	6.28	6.26	6.24						
Conductivity	0.510	0.534	0.534	0.536	0.536						
*ORP	245	242	242	243	244						
*D.O.	5.25	3.43	3.23	3.02	2.81						
*Turbidity	12.90	16.59	14.18	15.98	14.38						
DTW	7.52	7.52	7.52	7.52	7.52						

GROUNDWATER SAMPLING FIELD DATA

Location:	WhiteStreet Landfill	Purge Date:	Wednesday, April 28, 2010
Project No.:	1584-98-081	Purge Time:	1615
Source Well:	II-6	Sample Date:	Wednesday, April 28, 2010
		Sample Time:	1650
Locked?:	Yes: x No:	Weather:	Sunny / Windy
Sampled By:	Gary Simcox	Air Temp:	65 *F

Water Level & Well Data

Depth to water from measuring point:	11.25	feet
Depth to well bottom from measuring point:	17.00	feet
Height of water column:	5.75	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method: Pump

Sample Method: Pump

Purge Rate: < 100 ml/min

Control Settings: On: x sec.

Off: x sec.

Pressure: x psi

Purge Time

Start 1615 Stop 1645

Sample Collection Time

Start 1645 Stop 1650

Volume of water in well

2" well:

height: 5.75 x .163 = 0.9373

Volume of water removed _____ gallons _____ liters x

Was well purged dry Yes _____ No x

Field Analyses

*Stabilization Parameters

Time	1620	1625	1630	1635	1640	1645					
Temp	14.45	14.28	14.36	14.35	14.41	14.44					
pH	6.48	6.44	6.43	6.42	6.41	6.41					
Conductivity	2.650	2.610	2.600	2.580	2.560	2.460					
*ORP	170	179	183	186	189	193					
*D.O.	4.72	4.13	4.85	4.63	4.40	4.80					
*Turbidity	20.80	16.75	13.50	12.97	10.61	10.66					
DTW	11.73	11.84	11.89	11.91							

GROUNDWATER SAMPLING FIELD DATA

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

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

Purge Date: Thursday, April 29, 2010
Purge Time: 1210
Sample Date: Thursday, April 29, 2010
Sample Time: 1250
Weather: Sunny
Air Temp: 70 *F

Water Level & Well Data

Depth to water from measuring point: 13.56 feet
Depth to well bottom from measuring point: 25.00 feet
Height of water column: 11.44 feet
Measuring point: Top of Casing

Well Purging & Sample Collection

Purge Method: Pump
Sample Method: Pump
Purge Rate: < 100 ml/min
Control Settings: On: 3 sec.
Off: 27 sec.
Pressure: 22 psi

Purge Time
Start 1210 Stop 1230

Sample Collection Time
Start 1230 Stop 1250

Dissolved Hydrogen
Start: 1300 Stop: 1320
Collection Time: 1325

Volume of water in well
2" well:
height: 11.44 x .163 = 1.8647

Ferrous Iron: 0.1 mg/L

Volume of water removed: 3.0 gallons ____ liters x

Was well purged dry: Yes ____ No x

Field Analyses

*Stabilization Parameters

Time	1215	1220	1225	1230							
Temp	17.05	17.70	17.93	18.12							
pH	5.62	5.52	5.50	5.50							
Conductivity	0.243	0.242	0.242	0.242							
*ORP	343	312	316	332							
*D.O.	4.43	5.00	5.29	5.10							
*Turbidity	2.80	3.00	2.60	2.28							
DTW	13.82	13.85	13.89								

GROUNDWATER SAMPLING FIELD DATA

Location:	WhiteStreet Landfill	Purge Date:	Thursday, April 29, 2010
Project No.:	1584-98-081	Purge Time:	1045
Source Well:	II-7b	Sample Date:	Thursday, April 29, 2010
		Sample Time:	1130
Locked?:	Yes: x No:	Weather:	Sunny
Sampled By:	Gary Simcox	Air Temp:	60 *F

Water Level & Well Data

Depth to water from measuring point:	17.39	feet
Depth to well bottom from measuring point:	101.00	feet
Height of water column:	83.61	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method: Pump

Sample Method: Pump

Purge Rate: < 100 ml/min

Control Settings: On: 3 sec.

Off: 27 sec.

Pressure: 53 psi

Purge Time

Start 1045 Stop 1115

Sample Collection Time

Start 1115 Stop 1130

Dissolved Hydrogen

Start: 1135 Stop: 1155

Collection Time: 1200

Volume of water in well

2" well:

height: 83.61 x .163 = 13.628

Ferrous Iron: 0.07 mg/L

Volume of water removed: 4.0 gallons _____ liters x

Was well purged dry: Yes _____ No x

Field Analyses

*Stabilization Parameters

Time	1050	10.55	1100	1105	1110	1115					
Temp	10.80	14.34	14.10	14.12	14.13	14.19					
pH	9.54	9.97	10.12	10.30	10.40	10.49					
Conductivity	0.487	0.471	0.472	0.498	0.509	0.520					
*ORP	129	145	158	159	159	159					
*D.O.	4.65	3.65	3.06	2.78	2.68	2.59					
*Turbidity	5.55	4.57	3.44	3.22	3.08	3.13					
DTW	18.25	18.51	18.73	18.99	19.12	19.31					

GROUNDWATER SAMPLING FIELD DATA

Location:	WhiteStreet Landfill	Purge Date:	Wednesday, April 28, 2010
Project No.:	1584-98-081	Purge Time:	1510
Source Well:	II-8	Sample Date:	Wednesday, April 28, 2010
		Sample Time:	1600
Locked?:	Yes: x No:	Weather:	Sunny / Windy
Sampled By:	Gary Simcox	Air Temp:	65 *F

Water Level & Well Data

Depth to water from measuring point:	9.28	feet
Depth to well bottom from measuring point:	32.00	feet
Height of water column:	22.72	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method: Pump

Sample Method: Pump

Purge Rate: < 100 ml/min

Control Settings: On: 3 sec.

Off: 27 sec.

Pressure: 26 psi

Purge Time

Start 1510 Stop 1555

Sample Collection Time

Start 1555 Stop 1600

Volume of water in well

2" well:

height: 22.72 x .163 = 3.7034

Volume of water removed: 5.5 gallons _____ liters x

Was well purged dry: Yes _____ No x

Field Analyses

*Stabilization Parameters

Time	1515	1520	1525	1530	1535	1540	1545	1550	1555		
Temp	18.38	18.57	18.55	18.27	18.42	18.30	18.27	18.18	18.22		
pH	6.24	6.22	6.20	6.20	6.19	6.19	6.18	6.18	6.18		
Conductivity	2.300	2.430	2.400	2.400	2.390	2.380	2.380	2.380	2.370		
*ORP	241	189	222	240	264	273	293	302	309		
*D.O.	2.14	0.95	0.85	0.65	0.56	0.50	0.44	0.39	0.39		
*Turbidity	5.56	5.54	4.90	5.86	6.35	5.55	4.93	4.80	5.16		
DTW	9.50	9.51	9.47	9.50	9.49						

GROUNDWATER SAMPLING FIELD DATA

Location:	WhiteStreet Landfill	Purge Date:	Friday, April 30, 2010
Project No.:	1584-98-081	Purge Time:	850
Source Well:	II-12	Sample Date:	Friday, April 30, 2010
		Sample Time:	920
Locked?:	Yes: x No:	Weather:	Sunny
Sampled By:	Gary Simcox	Air Temp:	65 *F

Water Level & Well Data

Depth to water from measuring point:	9.87	feet
Depth to well bottom from measuring point:	20.40	feet
Height of water column:	10.53	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method: Pump (Peristaltic)

Sample Method: Pump (Peristaltic)

Purge Rate: < 100 ml/min

Control Settings: On: x sec.

Off: x sec.

Pressure: x psi

Purge Time

Start 850 Stop 915

Sample Collection Time

Start 915 Stop 920

Volume of water in well

2" well:

height: 10.53 x .163 = 1.7164

Note: Duplicate II taken @ this location

Volume of water removed: 3.5 gallons _____ liters x

Was well purged dry: Yes _____ No x

Field Analyses

*Stabilization Parameters

Time	855	900	905	910	915						
Temp	16.32	15.58	15.07	15.50	15.94						
pH	6.69	6.69	6.69	6.69	6.68						
Conductivity	0.909	0.907	0.909	0.908	0.909						
*ORP	83	83	81	80	79						
*D.O.	1.52	1.86	1.60	1.33	1.10						
*Turbidity	8.08	7.18	6.05	6.03	6.48						
DTW	10.08	10.14	10.23	10.24	10.25						

GROUNDWATER SAMPLING FIELD DATA

Location:	WhiteStreet Landfill	Purge Date:	Wednesday, April 28, 2010
Project No.:	1584-98-081	Purge Time:	1400
Source Well:	MW-13	Sample Date:	Wednesday, April 28, 2010
		Sample Time:	1430
Locked?:	Yes: x No:	Weather:	Sunny / Windy
Sampled By:	Gary Simcox	Air Temp:	65 *F

Water Level & Well Data

Depth to water from measuring point:	19.14	feet
Depth to well bottom from measuring point:	31.00	feet
Height of water column:	11.86	feet
Measuring point:	Top of Casing	

Well Purging & Sample Collection

Purge Method: Pump

Sample Method: Pump

Purge Rate: < 100 ml/min

Control Settings: On: 2 sec.

Off: 28 sec.

Pressure: 30 psi

Purge Time

Start 1400 Stop 1425

Sample Collection Time

Start 1425 Stop 1430

Volume of water in well

2" well:

height: 11.86 x .163 = 1.9332

Volume of water removed: 3.5 gallons _____ liters x

Was well purged dry: Yes _____ No x

Field Analyses

*Stabilization Parameters

Time	1405	1410	1415	1420	1425						
Temp	14.66	14.49	14.41	14.42	14.56						
pH	6.68	6.64	6.63	6.62	6.60						
Conductivity	0.437	0.439	0.437	0.438	0.439						
*ORP	252	266	277	284	288						
*D.O.	7.49	7.28	7.05	6.95	6.94						
*Turbidity	11.16	9.74	7.24	6.87	6.98						
DTW	19.44	19.43	19.47	19.51	19.54						

GROUNDWATER SAMPLING FIELD DATA

Location: WhiteStreet Landfill
Project No.: 1584-98-081
Source Well: MW-14

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

Purge Date: Thursday, April 29, 2010
Purge Time: 1405
Sample Date: Thursday, April 29, 2010
Sample Time: 1450
Weather: Sunny
Air Temp: 70 *F

Water Level & Well Data

Depth to water from measuring point: 23.92 feet
Depth to well bottom from measuring point: 32.00 feet
Height of water column: 8.08 feet
Measuring point: Top of Casing

Well Purging & Sample Collection

Purge Method: Pump
Sample Method: Pump
Purge Rate: < 100 ml/min
Control Settings: On: 3 sec.
Off: 27 sec.
Pressure: 27 psi

Purge Time
Start 1405 Stop 1430

Sample Collection Time
Start 1430 Stop 1450

Dissolved Hydrogen
Start: 1500 Stop: 1520
Collection Time: 1525

Volume of water in well
2" well:
height: 8.08 x .163 = 1.317

Ferrous Iron: 0.02 mg/L

Volume of water removed: 3.5 gallons ____ liters x

Was well purged dry: Yes ____ No x

Field Analyses

*Stabilization Parameters

Time	1410	1415	1420	1425	1430						
Temp	22.69	22.48	21.49	21.40	21.23						
pH	5.75	5.54	5.40	5.36	5.35						
Conductivity	0.072	0.052	0.042	0.042	0.042						
*ORP	392	415	431	439	446						
*D.O.	6.51	5.16	5.22	5.25	4.92						
*Turbidity	2.23	3.08	3.19	3.53	3.23						
DTW	24.00	23.96	23.97	23.95	23.98						

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

Monday, May 17, 2010

S&ME, Inc. (SM004)

Attn: Connel Ware

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: C004712

Dear Connel Ware,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Monday, May 3, 2010.

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.

www.encolabs.com

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: 4103-II1 | **Lab ID: C004712-01** | **Sampled: 04/28/10 18:15** | **Received: 05/03/10 10:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	10/25/10	05/03/10	14:45	5/5/2010 12:30
EPA 6020A	10/25/10	05/03/10	14:50	5/11/2010 15:14
EPA 8260B	05/12/10	05/07/10	12:13	5/8/2010 01:19

Client ID: 4103-II2 | **Lab ID: C004712-02** | **Sampled: 04/29/10 09:00** | **Received: 05/03/10 10:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	10/26/10	05/03/10	14:45	5/5/2010 12:33
EPA 6020A	10/26/10	05/03/10	14:50	5/11/2010 15:18
EPA 8260B	05/13/10	05/07/10	12:13	5/8/2010 01:48

Client ID: 4103-II3 | **Lab ID: C004712-03** | **Sampled: 04/30/10 10:45** | **Received: 05/03/10 10:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	10/27/10	05/03/10	14:45	5/5/2010 12:35
EPA 6020A	10/27/10	05/03/10	14:50	5/11/2010 15:22
EPA 8260B	05/14/10	05/07/10	12:13	5/8/2010 02:17

Client ID: 4103-II4 | **Lab ID: C004712-04** | **Sampled: 04/30/10 12:50** | **Received: 05/03/10 10:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	10/27/10	05/03/10	14:45	5/5/2010 12:37
EPA 6020A	10/27/10	05/03/10	14:50	5/11/2010 15:25
EPA 8260B	05/14/10	05/07/10	12:13	5/8/2010 02:45

Client ID: 4103-II5 | **Lab ID: C004712-05** | **Sampled: 04/30/10 11:45** | **Received: 05/03/10 10:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	10/27/10	05/03/10	14:45	5/5/2010 12:40
EPA 6020A	10/27/10	05/03/10	14:50	5/11/2010 15:29
EPA 8260B	05/14/10	05/07/10	12:32	5/8/2010 07:32

Client ID: 4103-II6 | **Lab ID: C004712-06** | **Sampled: 04/28/10 16:50** | **Received: 05/03/10 10:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	10/25/10	05/03/10	14:45	5/5/2010 12:42
EPA 6020A	10/25/10	05/03/10	14:50	5/11/2010 15:33
EPA 8260B	05/12/10	05/07/10	12:16	5/8/2010 08:01

www.encolabs.com

Client ID: 4103-II7	Lab ID: C004712-07	Sampled: 04/29/10 12:50	Received: 05/03/10 10:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	10/26/10	05/03/10 14:45	5/5/2010 12:45
EPA 6020A	10/26/10	05/03/10 14:50	5/11/2010 15:36
EPA 8260B	05/13/10	05/07/10 12:16	5/8/2010 08:30

Client ID: 4103-II7B	Lab ID: C004712-08	Sampled: 04/29/10 11:30	Received: 05/03/10 10:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	10/26/10	05/03/10 14:45	5/5/2010 12:47
EPA 6020A	10/26/10	05/03/10 14:50	5/11/2010 15:40
EPA 8260B	05/13/10	05/07/10 12:16	5/8/2010 08:59

Client ID: 4103-II8	Lab ID: C004712-09	Sampled: 04/28/10 16:00	Received: 05/03/10 10:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	10/25/10	05/03/10 14:45	5/5/2010 12:50
EPA 6020A	10/25/10	05/03/10 14:50	5/11/2010 15:51
EPA 8260B	05/12/10	05/07/10 12:16	5/8/2010 09:28

Client ID: 4103-II12	Lab ID: C004712-10	Sampled: 04/30/10 09:20	Received: 05/03/10 10:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	10/27/10	05/03/10 14:45	5/5/2010 12:52
EPA 6020A	10/27/10	05/03/10 14:50	5/11/2010 15:54
EPA 8260B	05/14/10	05/07/10 12:16	5/8/2010 09:57

Client ID: 4103-MW13	Lab ID: C004712-11	Sampled: 04/28/10 14:30	Received: 05/03/10 10:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	10/25/10	05/03/10 14:45	5/5/2010 13:02
EPA 6020A	10/25/10	05/03/10 14:50	5/11/2010 15:58
EPA 8260B	05/12/10	05/07/10 12:16	5/8/2010 10:26

Client ID: 4103-MW14	Lab ID: C004712-12	Sampled: 04/29/10 14:50	Received: 05/03/10 10:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	10/26/10	05/03/10 14:45	5/5/2010 13:04
EPA 6020A	10/26/10	05/03/10 14:50	5/11/2010 16:01
EPA 8260B	05/13/10	05/07/10 12:16	5/8/2010 10:55

Client ID: 4103-DUPLICATEII	Lab ID: C004712-13	Sampled: 04/30/10 07:00	Received: 05/03/10 10:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	10/27/10	05/03/10 14:45	5/5/2010 11:47
EPA 6020A	10/27/10	05/03/10 14:50	5/11/2010 16:05
EPA 8260B	05/14/10	05/07/10 12:16	5/8/2010 11:24

www.encolabs.com

Client ID: 4103-TripBlank#2	Lab ID: C004712-14	Sampled: 04/28/10 14:30	Received: 05/03/10 10:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	05/12/10	05/07/10 12:16	5/8/2010 11:54

www.encolabs.com

NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: 4103-II1 **Lab ID: C004712-01**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	2.3	J	1	0.050	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	6.5		1	0.10	1.0	1	ug/L	EPA 8260B	
4-Methyl-2-pentanone	5.1	J	1	1.1	5.0	100	ug/L	EPA 8260B	
Barium - Total	309		1	1.00	10.0	100	ug/L	EPA 6010C	
Benzene	1.1		1	0.050	1.0	1	ug/L	EPA 8260B	
Chlorobenzene	2.2	J	1	0.069	1.0	3	ug/L	EPA 8260B	
Chloroethane	0.95	J	1	0.18	1.0	10	ug/L	EPA 8260B	
Chromium - Total	2.40	J	1	1.00	10.0	10	ug/L	EPA 6010C	
cis-1,2-Dichloroethene	3.3	J	1	0.075	1.0	5	ug/L	EPA 8260B	
Cobalt - Total	26.4		1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	4.05	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Nickel - Total	13.2	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Selenium - Total	16.1		1	0.830	1.00	10	ug/L	EPA 6020A	
Silver - Total	4.47	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Trichloroethene	0.53	J	1	0.13	1.0	1	ug/L	EPA 8260B	
Vinyl chloride	0.90	J	1	0.083	1.0	1	ug/L	EPA 8260B	
Zinc - Total	5.77	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4103-II2 **Lab ID: C004712-02**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	16		1	0.050	1.0	5	ug/L	EPA 8260B	
1,1-Dichloroethene	0.45	J	1	0.15	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	0.61	J	1	0.10	1.0	1	ug/L	EPA 8260B	
Barium - Total	63.1	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Benzene	1.2		1	0.050	1.0	1	ug/L	EPA 8260B	
Chlorobenzene	0.62	J	1	0.069	1.0	3	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	20		1	0.075	1.0	5	ug/L	EPA 8260B	
Selenium - Total	5.04	J	1	0.830	1.00	10	ug/L	EPA 6020A	
Tetrachloroethene	4.2		1	0.099	1.0	1	ug/L	EPA 8260B	
Trichloroethene	4.1		1	0.13	1.0	1	ug/L	EPA 8260B	
Trichlorofluoromethane	2.7		1	0.15	1.0	1	ug/L	EPA 8260B	
Vanadium - Total	3.66	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Vinyl chloride	4.8		1	0.083	1.0	1	ug/L	EPA 8260B	

Client ID: 4103-II3 **Lab ID: C004712-03**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	15		1	0.050	1.0	5	ug/L	EPA 8260B	
Arsenic - Total	4.79	J	1	2.80	10.0	10	ug/L	EPA 6010C	
Barium - Total	183		1	1.00	10.0	100	ug/L	EPA 6010C	
Benzene	0.80	J	1	0.050	1.0	1	ug/L	EPA 8260B	
Chloroethane	1.6	J	1	0.18	1.0	10	ug/L	EPA 8260B	
Chromium - Total	2.24	J	1	1.00	10.0	10	ug/L	EPA 6010C	
cis-1,2-Dichloroethene	0.66	J	1	0.075	1.0	5	ug/L	EPA 8260B	
Cobalt - Total	23.0		1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	3.42	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Nickel - Total	11.2	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Selenium - Total	4.18	J	1	0.830	1.00	10	ug/L	EPA 6020A	
Vanadium - Total	4.29	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	6.28	J	1	3.80	10.0	10	ug/L	EPA 6010C	

www.encolabs.com

Client ID: 4103-II4 **Lab ID: C004712-04**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	2.2	J	1	0.050	1.0	5	ug/L	EPA 8260B	
Barium - Total	469		1	1.00	10.0	100	ug/L	EPA 6010C	
Cadmium - Total	0.432	J	1	0.360	1.00	1	ug/L	EPA 6010C	
Chromium - Total	15.1		1	1.00	10.0	10	ug/L	EPA 6010C	
Cobalt - Total	15.8		1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	56.3		1	1.60	10.0	10	ug/L	EPA 6010C	
Nickel - Total	30.5	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Selenium - Total	4.19	J	1	0.830	1.00	10	ug/L	EPA 6020A	
Vanadium - Total	74.9		1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	74.8		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4103-II5 **Lab ID: C004712-05**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	0.91	J	1	0.050	1.0	5	ug/L	EPA 8260B	
Barium - Total	89.0	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total	1.93	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Cobalt - Total	32.3		1	1.10	10.0	10	ug/L	EPA 6010C	
Nickel - Total	3.86	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Selenium - Total	2.57	J	1	0.830	1.00	10	ug/L	EPA 6020A	
Vanadium - Total	5.76	J	1	1.40	10.0	25	ug/L	EPA 6010C	

Client ID: 4103-II6 **Lab ID: C004712-06**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,2-Dichlorobenzene	0.43	J	1	0.052	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	3.4		1	0.10	1.0	1	ug/L	EPA 8260B	
Acetone	5.4	J	1	1.5	5.0	100	ug/L	EPA 8260B	
Antimony - Total	0.242	J	1	0.220	2.00	6	ug/L	EPA 6020A	
Barium - Total	339		1	1.00	10.0	100	ug/L	EPA 6010C	
Benzene	1.6		1	0.050	1.0	1	ug/L	EPA 8260B	
Chlorobenzene	4.5		1	0.069	1.0	3	ug/L	EPA 8260B	
Cobalt - Total	25.8		1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	3.86	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Lead - Total	2.41	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Nickel - Total	36.6	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Selenium - Total	17.3		1	0.830	1.00	10	ug/L	EPA 6020A	
Silver - Total	4.32	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Xylenes (Total)	1.8	J	1	0.22	1.0	5	ug/L	EPA 8260B	
Zinc - Total	4.08	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4103-II7 **Lab ID: C004712-07**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	1.1	J	1	0.050	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	0.53	J	1	0.10	1.0	1	ug/L	EPA 8260B	
Acetone	2.0	J	1	1.5	5.0	100	ug/L	EPA 8260B	
Barium - Total	21.7	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Benzene	0.64	J	1	0.050	1.0	1	ug/L	EPA 8260B	
Chromium - Total	1.05	J	1	1.00	10.0	10	ug/L	EPA 6010C	
cis-1,2-Dichloroethene	3.6	J	1	0.075	1.0	5	ug/L	EPA 8260B	
Cobalt - Total	2.11	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	1.88	J	1	1.60	10.0	10	ug/L	EPA 6010C	

www.encolabs.com

Client ID: 4103-II7 **Lab ID: C004712-07**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Nickel - Total	1.96	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Selenium - Total	2.09	J	1	0.830	1.00	10	ug/L	EPA 6020A	
Tetrachloroethene	0.56	J	1	0.099	1.0	1	ug/L	EPA 8260B	
Toluene	1.0		1	0.053	1.0	1	ug/L	EPA 8260B	
Vinyl chloride	0.80	J	1	0.083	1.0	1	ug/L	EPA 8260B	
Zinc - Total	6.49	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4103-II7B **Lab ID: C004712-08**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Antimony - Total	0.248	J	1	0.220	2.00	6	ug/L	EPA 6020A	
Arsenic - Total	5.22	J	1	2.80	10.0	10	ug/L	EPA 6010C	
Barium - Total	11.5	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Tetrachloroethene	0.57	J	1	0.099	1.0	1	ug/L	EPA 8260B	
Vanadium - Total	8.15	J	1	1.40	10.0	25	ug/L	EPA 6010C	

Client ID: 4103-II8 **Lab ID: C004712-09**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	0.79	J	1	0.050	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	0.55	J	1	0.10	1.0	1	ug/L	EPA 8260B	
Barium - Total	87.7	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chlorobenzene	2.6	J	1	0.069	1.0	3	ug/L	EPA 8260B	
Chloroethane	0.70	J	1	0.18	1.0	10	ug/L	EPA 8260B	
Cobalt - Total	1.46	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Nickel - Total	12.0	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Selenium - Total	17.0		1	0.830	1.00	10	ug/L	EPA 6020A	
Silver - Total	3.07	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Vanadium - Total	2.02	J	1	1.40	10.0	25	ug/L	EPA 6010C	

Client ID: 4103-II12 **Lab ID: C004712-10**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	386		1	1.00	10.0	100	ug/L	EPA 6010C	
Cobalt - Total	8.21	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Nickel - Total	10.7	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Selenium - Total	3.19	J	1	0.830	1.00	10	ug/L	EPA 6020A	
Silver - Total	2.50	J	1	1.90	10.0	10	ug/L	EPA 6010C	

Client ID: 4103-MW13 **Lab ID: C004712-11**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	112		1	1.00	10.0	100	ug/L	EPA 6010C	
Vanadium - Total	3.65	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	7.20	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4103-MW14 **Lab ID: C004712-12**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Arsenic - Total	4.60	J	1	2.80	10.0	10	ug/L	EPA 6010C	
Barium - Total	17.1	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total	2.24	J	1	1.00	10.0	10	ug/L	EPA 6010C	

Client ID: 4103-DUPLICATEII **Lab ID: C004712-13**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	414		1	1.00	10.0	100	ug/L	EPA 6010C	

www.encolabs.com

Client ID: 4103-DUPLICATEII **Lab ID:** C004712-13

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Cobalt - Total	9.12	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Nickel - Total	12.1	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Selenium - Total	2.52	J	1	0.830	1.00	10	ug/L	EPA 6020A	
Silver - Total	2.58	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Zinc - Total	4.13	J	1	3.80	10.0	10	ug/L	EPA 6010C	

www.encolabs.com

ANALYTICAL RESULTS

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

Lab Sample ID: C004712-01
Sampled: 04/28/10 18:15
Sampled By: Gary Simcox

Received: 05/03/10 10:00
Work Order: C004712

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	05/08/10 01:19	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/08/10 01:19	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	05/08/10 01:19	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	05/08/10 01:19	JKG	
1,1-Dichloroethane [75-34-3] ^	**2.3**	J	ug/L	1	0.050	1.0	5	EPA 8260B	05/08/10 01:19	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	05/08/10 01:19	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/08/10 01:19	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/08/10 01:19	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	05/08/10 01:19	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	05/08/10 01:19	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/08/10 01:19	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	05/08/10 01:19	JKG	
1,4-Dichlorobenzene [106-46-7] ^	**6.5**		ug/L	1	0.10	1.0	1	EPA 8260B	05/08/10 01:19	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	05/08/10 01:19	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	05/08/10 01:19	JKG	
4-Methyl-2-pentanone [108-10-1] ^	**5.1**	J	ug/L	1	1.1	5.0	100	EPA 8260B	05/08/10 01:19	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/08/10 01:19	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	05/08/10 01:19	JKG	
Benzene [71-43-2] ^	**1.1**		ug/L	1	0.050	1.0	1	EPA 8260B	05/08/10 01:19	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	05/08/10 01:19	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/08/10 01:19	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	05/08/10 01:19	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	05/08/10 01:19	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	05/08/10 01:19	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/08/10 01:19	JKG	
Chlorobenzene [108-90-7] ^	**2.2**	J	ug/L	1	0.069	1.0	3	EPA 8260B	05/08/10 01:19	JKG	
Chloroethane [75-00-3] ^	**0.95**	J	ug/L	1	0.18	1.0	10	EPA 8260B	05/08/10 01:19	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	05/08/10 01:19	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	05/08/10 01:19	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	**3.3**	J	ug/L	1	0.075	1.0	5	EPA 8260B	05/08/10 01:19	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	05/08/10 01:19	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	05/08/10 01:19	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	05/08/10 01:19	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/08/10 01:19	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	05/08/10 01:19	JKG	
Methylene chloride [75-09-2] ^	0.070	U	ug/L	1	0.070	1.0	1	EPA 8260B	05/08/10 01:19	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/08/10 01:19	JKG	
Tetrachloroethene [127-18-4] ^	0.099	U	ug/L	1	0.099	1.0	1	EPA 8260B	05/08/10 01:19	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	05/08/10 01:19	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	05/08/10 01:19	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	05/08/10 01:19	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	05/08/10 01:19	JKG	
Trichloroethene [79-01-6] ^	**0.53**	J	ug/L	1	0.13	1.0	1	EPA 8260B	05/08/10 01:19	JKG	
Trichlorofluoromethane [75-69-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/08/10 01:19	JKG	

www.encolabs.com

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

Lab Sample ID: C004712-01
Sampled: 04/28/10 18:15
Sampled By: Gary Simcox

Received: 05/03/10 10:00
Work Order: C004712

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	05/08/10 01:19	JKG	
Vinyl chloride [75-01-4] ^	**0.90**	J	ug/L	1	0.083	1.0	1	EPA 8260B	05/08/10 01:19	JKG	
Xylenes (Total) [1330-20-7] ^	0.22	U	ug/L	1	0.22	1.0	5	EPA 8260B	05/08/10 01:19	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*45*	*1*	*50.0*	*91 %*	*51-122*	*0E07024*	*EPA 8260B*	*05/08/10 01:19*	*JKG*	
Dibromofluoromethane	*48*	*1*	*50.0*	*96 %*	*68-117*	*0E07024*	*EPA 8260B*	*05/08/10 01:19*	*JKG*	
Toluene-d8	*48*	*1*	*50.0*	*95 %*	*69-110*	*0E07024*	*EPA 8260B*	*05/08/10 01:19*	*JKG*	

www.encolabs.com

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

Lab Sample ID: C004712-01
Sampled: 04/28/10 18:15
Sampled By: Gary Simcox

Received: 05/03/10 10:00
Work Order: C004712

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	05/11/10 15:14	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	05/05/10 12:30	JDH	
Barium [7440-39-3] ^	**309**		ug/L	1	1.00	10.0	100	EPA 6010C	05/05/10 12:30	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	05/05/10 12:30	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	05/05/10 12:30	JDH	
Chromium [7440-47-3] ^	**2.40**	J	ug/L	1	1.00	10.0	10	EPA 6010C	05/05/10 12:30	JDH	
Cobalt [7440-48-4] ^	**26.4**		ug/L	1	1.10	10.0	10	EPA 6010C	05/05/10 12:30	JDH	
Copper [7440-50-8] ^	**4.05**	J	ug/L	1	1.60	10.0	10	EPA 6010C	05/05/10 12:30	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/05/10 12:30	JDH	
Nickel [7440-02-0] ^	**13.2**	J	ug/L	1	1.80	10.0	50	EPA 6010C	05/05/10 12:30	JDH	
Selenium [7782-49-2] ^	**16.1**		ug/L	1	0.830	1.00	10	EPA 6020A	05/11/10 15:14	VLO	
Silver [7440-22-4] ^	**4.47**	J	ug/L	1	1.90	10.0	10	EPA 6010C	05/05/10 12:30	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	05/11/10 15:14	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	05/05/10 12:30	JDH	
Zinc [7440-66-6] ^	**5.77**	J	ug/L	1	3.80	10.0	10	EPA 6010C	05/05/10 12:30	JDH	

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

www.encolabs.com

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

Lab Sample ID: C004712-02
Sampled: 04/29/10 09:00
Sampled By: Gary Simcox

Received: 05/03/10 10:00
Work Order: C004712

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	05/08/10 01:48	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/08/10 01:48	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	05/08/10 01:48	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	05/08/10 01:48	JKG	
1,1-Dichloroethane [75-34-3] ^	**16**		ug/L	1	0.050	1.0	5	EPA 8260B	05/08/10 01:48	JKG	
1,1-Dichloroethene [75-35-4] ^	**0.45**	J	ug/L	1	0.15	1.0	5	EPA 8260B	05/08/10 01:48	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/08/10 01:48	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/08/10 01:48	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	05/08/10 01:48	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	05/08/10 01:48	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/08/10 01:48	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	05/08/10 01:48	JKG	
1,4-Dichlorobenzene [106-46-7] ^	**0.61**	J	ug/L	1	0.10	1.0	1	EPA 8260B	05/08/10 01:48	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	05/08/10 01:48	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	05/08/10 01:48	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/08/10 01:48	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/08/10 01:48	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	05/08/10 01:48	JKG	
Benzene [71-43-2] ^	**1.2**		ug/L	1	0.050	1.0	1	EPA 8260B	05/08/10 01:48	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	05/08/10 01:48	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/08/10 01:48	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	05/08/10 01:48	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	05/08/10 01:48	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	05/08/10 01:48	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/08/10 01:48	JKG	
Chlorobenzene [108-90-7] ^	**0.62**	J	ug/L	1	0.069	1.0	3	EPA 8260B	05/08/10 01:48	JKG	
Chloroethane [75-00-3] ^	0.18	U	ug/L	1	0.18	1.0	10	EPA 8260B	05/08/10 01:48	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	05/08/10 01:48	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	05/08/10 01:48	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	**20**		ug/L	1	0.075	1.0	5	EPA 8260B	05/08/10 01:48	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	05/08/10 01:48	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	05/08/10 01:48	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	05/08/10 01:48	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/08/10 01:48	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	05/08/10 01:48	JKG	
Methylene chloride [75-09-2] ^	0.070	U	ug/L	1	0.070	1.0	1	EPA 8260B	05/08/10 01:48	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/08/10 01:48	JKG	
Tetrachloroethene [127-18-4] ^	**4.2**		ug/L	1	0.099	1.0	1	EPA 8260B	05/08/10 01:48	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	05/08/10 01:48	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	05/08/10 01:48	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	05/08/10 01:48	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	05/08/10 01:48	JKG	
Trichloroethene [79-01-6] ^	**4.1**		ug/L	1	0.13	1.0	1	EPA 8260B	05/08/10 01:48	JKG	
Trichlorofluoromethane [75-69-4] ^	**2.7**		ug/L	1	0.15	1.0	1	EPA 8260B	05/08/10 01:48	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	05/08/10 01:48	JKG	
Vinyl chloride [75-01-4] ^	**4.8**		ug/L	1	0.083	1.0	1	EPA 8260B	05/08/10 01:48	JKG	

www.encolabs.com

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

Lab Sample ID: C004712-02
Sampled: 04/29/10 09:00
Sampled By: Gary Simcox

Received: 05/03/10 10:00
Work Order: C004712

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.22	U	ug/L	1	0.22	1.0	5	EPA 8260B	05/08/10 01:48	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*46*	*1*	*50.0*	*92 %*	*51-122*	*0E07024*	*EPA 8260B*	*05/08/10 01:48*	*JKG*	
Dibromofluoromethane	*50*	*1*	*50.0*	*100 %*	*68-117*	*0E07024*	*EPA 8260B*	*05/08/10 01:48*	*JKG*	
Toluene-d8	*47*	*1*	*50.0*	*94 %*	*69-110*	*0E07024*	*EPA 8260B*	*05/08/10 01:48*	*JKG*	

www.encolabs.com

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

Lab Sample ID: C004712-02
Sampled: 04/29/10 09:00
Sampled By: Gary Simcox

Received: 05/03/10 10:00
Work Order: C004712

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	05/11/10 15:18	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	05/05/10 12:33	JDH	
Barium [7440-39-3] ^	**63.1**	J	ug/L	1	1.00	10.0	100	EPA 6010C	05/05/10 12:33	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	05/05/10 12:33	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	05/05/10 12:33	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	05/05/10 12:33	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	05/05/10 12:33	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	05/05/10 12:33	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/05/10 12:33	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	05/05/10 12:33	JDH	
Selenium [7782-49-2] ^	**5.04**	J	ug/L	1	0.830	1.00	10	EPA 6020A	05/11/10 15:18	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/05/10 12:33	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	05/11/10 15:18	VLO	
Vanadium [7440-62-2] ^	**3.66**	J	ug/L	1	1.40	10.0	25	EPA 6010C	05/05/10 12:33	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	05/05/10 12:33	JDH	

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

www.encolabs.com

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

Lab Sample ID: C004712-03
Sampled: 04/30/10 10:45
Sampled By: Gary Simcox

Received: 05/03/10 10:00
Work Order: C004712

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	05/08/10 02:17	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/08/10 02:17	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	05/08/10 02:17	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	05/08/10 02:17	JKG	
1,1-Dichloroethane [75-34-3] ^	**15**		ug/L	1	0.050	1.0	5	EPA 8260B	05/08/10 02:17	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	05/08/10 02:17	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/08/10 02:17	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/08/10 02:17	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	05/08/10 02:17	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	05/08/10 02:17	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/08/10 02:17	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	05/08/10 02:17	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/08/10 02:17	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	05/08/10 02:17	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	05/08/10 02:17	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/08/10 02:17	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/08/10 02:17	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	05/08/10 02:17	JKG	
Benzene [71-43-2] ^	**0.80**	J	ug/L	1	0.050	1.0	1	EPA 8260B	05/08/10 02:17	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	05/08/10 02:17	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/08/10 02:17	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	05/08/10 02:17	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	05/08/10 02:17	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	05/08/10 02:17	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/08/10 02:17	JKG	
Chlorobenzene [108-90-7] ^	0.069	U	ug/L	1	0.069	1.0	3	EPA 8260B	05/08/10 02:17	JKG	
Chloroethane [75-00-3] ^	**1.6**	J	ug/L	1	0.18	1.0	10	EPA 8260B	05/08/10 02:17	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	05/08/10 02:17	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	05/08/10 02:17	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	**0.66**	J	ug/L	1	0.075	1.0	5	EPA 8260B	05/08/10 02:17	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	05/08/10 02:17	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	05/08/10 02:17	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	05/08/10 02:17	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/08/10 02:17	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	05/08/10 02:17	JKG	
Methylene chloride [75-09-2] ^	0.070	U	ug/L	1	0.070	1.0	1	EPA 8260B	05/08/10 02:17	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/08/10 02:17	JKG	
Tetrachloroethene [127-18-4] ^	0.099	U	ug/L	1	0.099	1.0	1	EPA 8260B	05/08/10 02:17	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	05/08/10 02:17	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	05/08/10 02:17	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	05/08/10 02:17	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	05/08/10 02:17	JKG	
Trichloroethene [79-01-6] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	05/08/10 02:17	JKG	
Trichlorofluoromethane [75-69-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/08/10 02:17	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	05/08/10 02:17	JKG	
Vinyl chloride [75-01-4] ^	0.083	U	ug/L	1	0.083	1.0	1	EPA 8260B	05/08/10 02:17	JKG	

www.encolabs.com

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

Lab Sample ID: C004712-03
Sampled: 04/30/10 10:45
Sampled By: Gary Simcox

Received: 05/03/10 10:00
Work Order: C004712

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.22	U	ug/L	1	0.22	1.0	5	EPA 8260B	05/08/10 02:17	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*46*	*1*	*50.0*	*92 %*	*51-122*	*0E07024*	*EPA 8260B*	*05/08/10 02:17*	*JKG*	
Dibromofluoromethane	*49*	*1*	*50.0*	*98 %*	*68-117*	*0E07024*	*EPA 8260B*	*05/08/10 02:17*	*JKG*	
Toluene-d8	*47*	*1*	*50.0*	*93 %*	*69-110*	*0E07024*	*EPA 8260B*	*05/08/10 02:17*	*JKG*	

www.encolabs.com

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

Lab Sample ID: C004712-03
Sampled: 04/30/10 10:45
Sampled By: Gary Simcox

Received: 05/03/10 10:00
Work Order: C004712

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	05/11/10 15:22	VLO	
Arsenic [7440-38-2] ^	**4.79**	J	ug/L	1	2.80	10.0	10	EPA 6010C	05/05/10 12:35	JDH	
Barium [7440-39-3] ^	**183**		ug/L	1	1.00	10.0	100	EPA 6010C	05/05/10 12:35	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	05/05/10 12:35	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	05/05/10 12:35	JDH	
Chromium [7440-47-3] ^	**2.24**	J	ug/L	1	1.00	10.0	10	EPA 6010C	05/05/10 12:35	JDH	
Cobalt [7440-48-4] ^	**23.0**		ug/L	1	1.10	10.0	10	EPA 6010C	05/05/10 12:35	JDH	
Copper [7440-50-8] ^	**3.42**	J	ug/L	1	1.60	10.0	10	EPA 6010C	05/05/10 12:35	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/05/10 12:35	JDH	
Nickel [7440-02-0] ^	**11.2**	J	ug/L	1	1.80	10.0	50	EPA 6010C	05/05/10 12:35	JDH	
Selenium [7782-49-2] ^	**4.18**	J	ug/L	1	0.830	1.00	10	EPA 6020A	05/11/10 15:22	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/05/10 12:35	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	05/11/10 15:22	VLO	
Vanadium [7440-62-2] ^	**4.29**	J	ug/L	1	1.40	10.0	25	EPA 6010C	05/05/10 12:35	JDH	
Zinc [7440-66-6] ^	**6.28**	J	ug/L	1	3.80	10.0	10	EPA 6010C	05/05/10 12:35	JDH	

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

www.encolabs.com

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

Lab Sample ID: C004712-04
Sampled: 04/30/10 12:50
Sampled By: Gary Simcox

Received: 05/03/10 10:00
Work Order: C004712

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	05/08/10 02:45	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/08/10 02:45	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	05/08/10 02:45	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	05/08/10 02:45	JKG	
1,1-Dichloroethane [75-34-3] ^	**2.2**	J	ug/L	1	0.050	1.0	5	EPA 8260B	05/08/10 02:45	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	05/08/10 02:45	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/08/10 02:45	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/08/10 02:45	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	05/08/10 02:45	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	05/08/10 02:45	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/08/10 02:45	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	05/08/10 02:45	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/08/10 02:45	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	05/08/10 02:45	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	05/08/10 02:45	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/08/10 02:45	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/08/10 02:45	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	05/08/10 02:45	JKG	
Benzene [71-43-2] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	05/08/10 02:45	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	05/08/10 02:45	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/08/10 02:45	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	05/08/10 02:45	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	05/08/10 02:45	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	05/08/10 02:45	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/08/10 02:45	JKG	
Chlorobenzene [108-90-7] ^	0.069	U	ug/L	1	0.069	1.0	3	EPA 8260B	05/08/10 02:45	JKG	
Chloroethane [75-00-3] ^	0.18	U	ug/L	1	0.18	1.0	10	EPA 8260B	05/08/10 02:45	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	05/08/10 02:45	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	05/08/10 02:45	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.075	U	ug/L	1	0.075	1.0	5	EPA 8260B	05/08/10 02:45	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	05/08/10 02:45	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	05/08/10 02:45	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	05/08/10 02:45	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/08/10 02:45	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	05/08/10 02:45	JKG	
Methylene chloride [75-09-2] ^	0.070	U	ug/L	1	0.070	1.0	1	EPA 8260B	05/08/10 02:45	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/08/10 02:45	JKG	
Tetrachloroethene [127-18-4] ^	0.099	U	ug/L	1	0.099	1.0	1	EPA 8260B	05/08/10 02:45	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	05/08/10 02:45	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	05/08/10 02:45	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	05/08/10 02:45	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	05/08/10 02:45	JKG	
Trichloroethene [79-01-6] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	05/08/10 02:45	JKG	
Trichlorofluoromethane [75-69-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/08/10 02:45	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	05/08/10 02:45	JKG	
Vinyl chloride [75-01-4] ^	0.083	U	ug/L	1	0.083	1.0	1	EPA 8260B	05/08/10 02:45	JKG	

www.encolabs.com

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

Lab Sample ID: C004712-04
Sampled: 04/30/10 12:50
Sampled By: Gary Simcox

Received: 05/03/10 10:00
Work Order: C004712

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.22	U	ug/L	1	0.22	1.0	5	EPA 8260B	05/08/10 02:45	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*45*	*1*	*50.0*	*91 %*	*51-122*	*0E07024*	*EPA 8260B*	*05/08/10 02:45*	*JKG*	
Dibromofluoromethane	*48*	*1*	*50.0*	*97 %*	*68-117*	*0E07024*	*EPA 8260B*	*05/08/10 02:45*	*JKG*	
Toluene-d8	*46*	*1*	*50.0*	*93 %*	*69-110*	*0E07024*	*EPA 8260B*	*05/08/10 02:45*	*JKG*	

www.encolabs.com

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

Lab Sample ID: C004712-04
Sampled: 04/30/10 12:50
Sampled By: Gary Simcox

Received: 05/03/10 10:00
Work Order: C004712

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	05/11/10 15:25	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	05/05/10 12:37	JDH	
Barium [7440-39-3] ^	**469**		ug/L	1	1.00	10.0	100	EPA 6010C	05/05/10 12:37	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	05/05/10 12:37	JDH	
Cadmium [7440-43-9] ^	**0.432**	J	ug/L	1	0.360	1.00	1	EPA 6010C	05/05/10 12:37	JDH	
Chromium [7440-47-3] ^	**15.1**		ug/L	1	1.00	10.0	10	EPA 6010C	05/05/10 12:37	JDH	
Cobalt [7440-48-4] ^	**15.8**		ug/L	1	1.10	10.0	10	EPA 6010C	05/05/10 12:37	JDH	
Copper [7440-50-8] ^	**56.3**		ug/L	1	1.60	10.0	10	EPA 6010C	05/05/10 12:37	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/05/10 12:37	JDH	
Nickel [7440-02-0] ^	**30.5**	J	ug/L	1	1.80	10.0	50	EPA 6010C	05/05/10 12:37	JDH	
Selenium [7782-49-2] ^	**4.19**	J	ug/L	1	0.830	1.00	10	EPA 6020A	05/11/10 15:25	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/05/10 12:37	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	05/11/10 15:25	VLO	
Vanadium [7440-62-2] ^	**74.9**		ug/L	1	1.40	10.0	25	EPA 6010C	05/05/10 12:37	JDH	
Zinc [7440-66-6] ^	**74.8**		ug/L	1	3.80	10.0	10	EPA 6010C	05/05/10 12:37	JDH	

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

www.encolabs.com

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

Lab Sample ID: C004712-05
Sampled: 04/30/10 11:45
Sampled By: Gary Simcox

Received: 05/03/10 10:00
Work Order: C004712

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	05/08/10 07:32	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/08/10 07:32	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	05/08/10 07:32	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	05/08/10 07:32	JKG	
1,1-Dichloroethane [75-34-3] ^	**0.91**	J	ug/L	1	0.050	1.0	5	EPA 8260B	05/08/10 07:32	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	05/08/10 07:32	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/08/10 07:32	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/08/10 07:32	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	05/08/10 07:32	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	05/08/10 07:32	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/08/10 07:32	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	05/08/10 07:32	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/08/10 07:32	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	05/08/10 07:32	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	05/08/10 07:32	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/08/10 07:32	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/08/10 07:32	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	05/08/10 07:32	JKG	
Benzene [71-43-2] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	05/08/10 07:32	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	05/08/10 07:32	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/08/10 07:32	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	05/08/10 07:32	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	05/08/10 07:32	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	05/08/10 07:32	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/08/10 07:32	JKG	
Chlorobenzene [108-90-7] ^	0.069	U	ug/L	1	0.069	1.0	3	EPA 8260B	05/08/10 07:32	JKG	
Chloroethane [75-00-3] ^	0.18	U	ug/L	1	0.18	1.0	10	EPA 8260B	05/08/10 07:32	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	05/08/10 07:32	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	05/08/10 07:32	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.075	U	ug/L	1	0.075	1.0	5	EPA 8260B	05/08/10 07:32	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	05/08/10 07:32	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	05/08/10 07:32	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	05/08/10 07:32	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/08/10 07:32	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	05/08/10 07:32	JKG	
Methylene chloride [75-09-2] ^	0.070	U	ug/L	1	0.070	1.0	1	EPA 8260B	05/08/10 07:32	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/08/10 07:32	JKG	
Tetrachloroethene [127-18-4] ^	0.099	U	ug/L	1	0.099	1.0	1	EPA 8260B	05/08/10 07:32	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	05/08/10 07:32	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	05/08/10 07:32	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	05/08/10 07:32	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	05/08/10 07:32	JKG	
Trichloroethene [79-01-6] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	05/08/10 07:32	JKG	
Trichlorofluoromethane [75-69-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/08/10 07:32	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	05/08/10 07:32	JKG	
Vinyl chloride [75-01-4] ^	0.083	U	ug/L	1	0.083	1.0	1	EPA 8260B	05/08/10 07:32	JKG	

www.encolabs.com

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

Lab Sample ID: C004712-05
Sampled: 04/30/10 11:45
Sampled By: Gary Simcox

Received: 05/03/10 10:00
Work Order: C004712

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.22	U	ug/L	1	0.22	1.0	5	EPA 8260B	05/08/10 07:32	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*46*	*1*	*50.0*	*92 %*	*51-122*	*0E07025*	*EPA 8260B*	*05/08/10 07:32*	*JKG*	
Dibromofluoromethane	*47*	*1*	*50.0*	*93 %*	*68-117*	*0E07025*	*EPA 8260B*	*05/08/10 07:32*	*JKG*	
Toluene-d8	*47*	*1*	*50.0*	*93 %*	*69-110*	*0E07025*	*EPA 8260B*	*05/08/10 07:32*	*JKG*	

www.encolabs.com

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

Lab Sample ID: C004712-05
Sampled: 04/30/10 11:45
Sampled By: Gary Simcox

Received: 05/03/10 10:00
Work Order: C004712

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	05/11/10 15:29	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	05/05/10 12:40	JDH	
Barium [7440-39-3] ^	**89.0**	J	ug/L	1	1.00	10.0	100	EPA 6010C	05/05/10 12:40	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	05/05/10 12:40	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	05/05/10 12:40	JDH	
Chromium [7440-47-3] ^	**1.93**	J	ug/L	1	1.00	10.0	10	EPA 6010C	05/05/10 12:40	JDH	
Cobalt [7440-48-4] ^	**32.3**		ug/L	1	1.10	10.0	10	EPA 6010C	05/05/10 12:40	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	05/05/10 12:40	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/05/10 12:40	JDH	
Nickel [7440-02-0] ^	**3.86**	J	ug/L	1	1.80	10.0	50	EPA 6010C	05/05/10 12:40	JDH	
Selenium [7782-49-2] ^	**2.57**	J	ug/L	1	0.830	1.00	10	EPA 6020A	05/11/10 15:29	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/05/10 12:40	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	05/11/10 15:29	VLO	
Vanadium [7440-62-2] ^	**5.76**	J	ug/L	1	1.40	10.0	25	EPA 6010C	05/05/10 12:40	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	05/05/10 12:40	JDH	

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

www.encolabs.com

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

Lab Sample ID: C004712-06
Sampled: 04/28/10 16:50
Sampled By: Gary Simcox

Received: 05/03/10 10:00
Work Order: C004712

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	05/08/10 08:01	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/08/10 08:01	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	05/08/10 08:01	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	05/08/10 08:01	JKG	
1,1-Dichloroethane [75-34-3] ^	0.050	U	ug/L	1	0.050	1.0	5	EPA 8260B	05/08/10 08:01	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	05/08/10 08:01	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/08/10 08:01	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/08/10 08:01	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	05/08/10 08:01	JKG	
1,2-Dichlorobenzene [95-50-1] ^	**0.43**	J	ug/L	1	0.052	1.0	5	EPA 8260B	05/08/10 08:01	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/08/10 08:01	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	05/08/10 08:01	JKG	
1,4-Dichlorobenzene [106-46-7] ^	**3.4**		ug/L	1	0.10	1.0	1	EPA 8260B	05/08/10 08:01	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	05/08/10 08:01	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	05/08/10 08:01	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/08/10 08:01	JKG	
Acetone [67-64-1] ^	**5.4**	J	ug/L	1	1.5	5.0	100	EPA 8260B	05/08/10 08:01	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	05/08/10 08:01	JKG	
Benzene [71-43-2] ^	**1.6**		ug/L	1	0.050	1.0	1	EPA 8260B	05/08/10 08:01	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	05/08/10 08:01	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/08/10 08:01	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	05/08/10 08:01	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	05/08/10 08:01	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	05/08/10 08:01	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/08/10 08:01	JKG	
Chlorobenzene [108-90-7] ^	**4.5**		ug/L	1	0.069	1.0	3	EPA 8260B	05/08/10 08:01	JKG	
Chloroethane [75-00-3] ^	0.18	U	ug/L	1	0.18	1.0	10	EPA 8260B	05/08/10 08:01	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	05/08/10 08:01	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	05/08/10 08:01	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.075	U	ug/L	1	0.075	1.0	5	EPA 8260B	05/08/10 08:01	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	05/08/10 08:01	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	05/08/10 08:01	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	05/08/10 08:01	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/08/10 08:01	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	05/08/10 08:01	JKG	
Methylene chloride [75-09-2] ^	0.070	U	ug/L	1	0.070	1.0	1	EPA 8260B	05/08/10 08:01	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/08/10 08:01	JKG	
Tetrachloroethene [127-18-4] ^	0.099	U	ug/L	1	0.099	1.0	1	EPA 8260B	05/08/10 08:01	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	05/08/10 08:01	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	05/08/10 08:01	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	05/08/10 08:01	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	05/08/10 08:01	JKG	
Trichloroethene [79-01-6] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	05/08/10 08:01	JKG	
Trichlorofluoromethane [75-69-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/08/10 08:01	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	05/08/10 08:01	JKG	
Vinyl chloride [75-01-4] ^	0.083	U	ug/L	1	0.083	1.0	1	EPA 8260B	05/08/10 08:01	JKG	

www.encolabs.com

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

Lab Sample ID: C004712-06
Sampled: 04/28/10 16:50
Sampled By: Gary Simcox

Received: 05/03/10 10:00
Work Order: C004712

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] ^	**1.8**	J	ug/L	1	0.22	1.0	5	EPA 8260B	05/08/10 08:01	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*47*	*1*	*50.0*	*94 %*	*51-122*	*0E07025*	*EPA 8260B*	*05/08/10 08:01*	*JKG*	
Dibromofluoromethane	*46*	*1*	*50.0*	*93 %*	*68-117*	*0E07025*	*EPA 8260B*	*05/08/10 08:01*	*JKG*	
Toluene-d8	*47*	*1*	*50.0*	*94 %*	*69-110*	*0E07025*	*EPA 8260B*	*05/08/10 08:01*	*JKG*	

www.encolabs.com

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

Lab Sample ID: C004712-06
Sampled: 04/28/10 16:50
Sampled By: Gary Simcox

Received: 05/03/10 10:00
Work Order: C004712

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] ^	**0.242**	J	ug/L	1	0.220	2.00	6	EPA 6020A	05/11/10 15:33	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	05/05/10 12:42	JDH	
Barium [7440-39-3] ^	**339**		ug/L	1	1.00	10.0	100	EPA 6010C	05/05/10 12:42	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	05/05/10 12:42	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	05/05/10 12:42	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	05/05/10 12:42	JDH	
Cobalt [7440-48-4] ^	**25.8**		ug/L	1	1.10	10.0	10	EPA 6010C	05/05/10 12:42	JDH	
Copper [7440-50-8] ^	**3.86**	J	ug/L	1	1.60	10.0	10	EPA 6010C	05/05/10 12:42	JDH	
Lead [7439-92-1] ^	**2.41**	J	ug/L	1	1.90	10.0	10	EPA 6010C	05/05/10 12:42	JDH	
Nickel [7440-02-0] ^	**36.6**	J	ug/L	1	1.80	10.0	50	EPA 6010C	05/05/10 12:42	JDH	
Selenium [7782-49-2] ^	**17.3**		ug/L	1	0.830	1.00	10	EPA 6020A	05/11/10 15:33	VLO	
Silver [7440-22-4] ^	**4.32**	J	ug/L	1	1.90	10.0	10	EPA 6010C	05/05/10 12:42	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	05/11/10 15:33	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	05/05/10 12:42	JDH	
Zinc [7440-66-6] ^	**4.08**	J	ug/L	1	3.80	10.0	10	EPA 6010C	05/05/10 12:42	JDH	

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

www.encolabs.com

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

Lab Sample ID: C004712-07
Sampled: 04/29/10 12:50
Sampled By: Gary Simcox

Received: 05/03/10 10:00
Work Order: C004712

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	05/08/10 08:30	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/08/10 08:30	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	05/08/10 08:30	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	05/08/10 08:30	JKG	
1,1-Dichloroethane [75-34-3] ^	**1.1**	J	ug/L	1	0.050	1.0	5	EPA 8260B	05/08/10 08:30	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	05/08/10 08:30	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/08/10 08:30	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/08/10 08:30	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	05/08/10 08:30	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	05/08/10 08:30	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/08/10 08:30	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	05/08/10 08:30	JKG	
1,4-Dichlorobenzene [106-46-7] ^	**0.53**	J	ug/L	1	0.10	1.0	1	EPA 8260B	05/08/10 08:30	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	05/08/10 08:30	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	05/08/10 08:30	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/08/10 08:30	JKG	
Acetone [67-64-1] ^	**2.0**	J	ug/L	1	1.5	5.0	100	EPA 8260B	05/08/10 08:30	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	05/08/10 08:30	JKG	
Benzene [71-43-2] ^	**0.64**	J	ug/L	1	0.050	1.0	1	EPA 8260B	05/08/10 08:30	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	05/08/10 08:30	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/08/10 08:30	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	05/08/10 08:30	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	05/08/10 08:30	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	05/08/10 08:30	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/08/10 08:30	JKG	
Chlorobenzene [108-90-7] ^	0.069	U	ug/L	1	0.069	1.0	3	EPA 8260B	05/08/10 08:30	JKG	
Chloroethane [75-00-3] ^	0.18	U	ug/L	1	0.18	1.0	10	EPA 8260B	05/08/10 08:30	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	05/08/10 08:30	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	05/08/10 08:30	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	**3.6**	J	ug/L	1	0.075	1.0	5	EPA 8260B	05/08/10 08:30	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	05/08/10 08:30	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	05/08/10 08:30	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	05/08/10 08:30	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/08/10 08:30	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	05/08/10 08:30	JKG	
Methylene chloride [75-09-2] ^	0.070	U	ug/L	1	0.070	1.0	1	EPA 8260B	05/08/10 08:30	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/08/10 08:30	JKG	
Tetrachloroethene [127-18-4] ^	**0.56**	J	ug/L	1	0.099	1.0	1	EPA 8260B	05/08/10 08:30	JKG	
Toluene [108-88-3] ^	**1.0**		ug/L	1	0.053	1.0	1	EPA 8260B	05/08/10 08:30	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	05/08/10 08:30	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	05/08/10 08:30	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	05/08/10 08:30	JKG	
Trichloroethene [79-01-6] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	05/08/10 08:30	JKG	
Trichlorofluoromethane [75-69-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/08/10 08:30	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	05/08/10 08:30	JKG	
Vinyl chloride [75-01-4] ^	**0.80**	J	ug/L	1	0.083	1.0	1	EPA 8260B	05/08/10 08:30	JKG	

www.encolabs.com

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

Lab Sample ID: C004712-07
Sampled: 04/29/10 12:50
Sampled By: Gary Simcox

Received: 05/03/10 10:00
Work Order: C004712

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.22	U	ug/L	1	0.22	1.0	5	EPA 8260B	05/08/10 08:30	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*46*	*1*	*50.0*	*91 %*	*51-122*	*0E07025*	*EPA 8260B*	*05/08/10 08:30*	*JKG*	
Dibromofluoromethane	*46*	*1*	*50.0*	*92 %*	*68-117*	*0E07025*	*EPA 8260B*	*05/08/10 08:30*	*JKG*	
Toluene-d8	*46*	*1*	*50.0*	*93 %*	*69-110*	*0E07025*	*EPA 8260B*	*05/08/10 08:30*	*JKG*	

www.encolabs.com

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

Lab Sample ID: C004712-07
Sampled: 04/29/10 12:50
Sampled By: Gary Simcox

Received: 05/03/10 10:00
Work Order: C004712

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	05/11/10 15:36	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	05/05/10 12:45	JDH	
Barium [7440-39-3] ^	**21.7**	J	ug/L	1	1.00	10.0	100	EPA 6010C	05/05/10 12:45	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	05/05/10 12:45	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	05/05/10 12:45	JDH	
Chromium [7440-47-3] ^	**1.05**	J	ug/L	1	1.00	10.0	10	EPA 6010C	05/05/10 12:45	JDH	
Cobalt [7440-48-4] ^	**2.11**	J	ug/L	1	1.10	10.0	10	EPA 6010C	05/05/10 12:45	JDH	
Copper [7440-50-8] ^	**1.88**	J	ug/L	1	1.60	10.0	10	EPA 6010C	05/05/10 12:45	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/05/10 12:45	JDH	
Nickel [7440-02-0] ^	**1.96**	J	ug/L	1	1.80	10.0	50	EPA 6010C	05/05/10 12:45	JDH	
Selenium [7782-49-2] ^	**2.09**	J	ug/L	1	0.830	1.00	10	EPA 6020A	05/11/10 15:36	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/05/10 12:45	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	05/11/10 15:36	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	05/05/10 12:45	JDH	
Zinc [7440-66-6] ^	**6.49**	J	ug/L	1	3.80	10.0	10	EPA 6010C	05/05/10 12:45	JDH	

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

www.encolabs.com

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

Lab Sample ID: C004712-08
Sampled: 04/29/10 11:30
Sampled By: Gary Simcox

Received: 05/03/10 10:00
Work Order: C004712

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	05/08/10 08:59	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/08/10 08:59	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	05/08/10 08:59	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	05/08/10 08:59	JKG	
1,1-Dichloroethane [75-34-3] ^	0.050	U	ug/L	1	0.050	1.0	5	EPA 8260B	05/08/10 08:59	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	05/08/10 08:59	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/08/10 08:59	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/08/10 08:59	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	05/08/10 08:59	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	05/08/10 08:59	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/08/10 08:59	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	05/08/10 08:59	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/08/10 08:59	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	05/08/10 08:59	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	05/08/10 08:59	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/08/10 08:59	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/08/10 08:59	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	05/08/10 08:59	JKG	
Benzene [71-43-2] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	05/08/10 08:59	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	05/08/10 08:59	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/08/10 08:59	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	05/08/10 08:59	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	05/08/10 08:59	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	05/08/10 08:59	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/08/10 08:59	JKG	
Chlorobenzene [108-90-7] ^	0.069	U	ug/L	1	0.069	1.0	3	EPA 8260B	05/08/10 08:59	JKG	
Chloroethane [75-00-3] ^	0.18	U	ug/L	1	0.18	1.0	10	EPA 8260B	05/08/10 08:59	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	05/08/10 08:59	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	05/08/10 08:59	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.075	U	ug/L	1	0.075	1.0	5	EPA 8260B	05/08/10 08:59	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	05/08/10 08:59	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	05/08/10 08:59	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	05/08/10 08:59	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/08/10 08:59	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	05/08/10 08:59	JKG	
Methylene chloride [75-09-2] ^	0.070	U	ug/L	1	0.070	1.0	1	EPA 8260B	05/08/10 08:59	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/08/10 08:59	JKG	
Tetrachloroethene [127-18-4] ^	**0.57**	J	ug/L	1	0.099	1.0	1	EPA 8260B	05/08/10 08:59	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	05/08/10 08:59	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	05/08/10 08:59	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	05/08/10 08:59	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	05/08/10 08:59	JKG	
Trichloroethene [79-01-6] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	05/08/10 08:59	JKG	
Trichlorofluoromethane [75-69-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/08/10 08:59	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	05/08/10 08:59	JKG	
Vinyl chloride [75-01-4] ^	0.083	U	ug/L	1	0.083	1.0	1	EPA 8260B	05/08/10 08:59	JKG	

www.encolabs.com

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

Lab Sample ID: C004712-08
Sampled: 04/29/10 11:30
Sampled By: Gary Simcox

Received: 05/03/10 10:00
Work Order: C004712

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.22	U	ug/L	1	0.22	1.0	5	EPA 8260B	05/08/10 08:59	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*46*	*1*	*50.0*	*91 %*	*51-122*	*0E07025*	*EPA 8260B*	*05/08/10 08:59*	*JKG*	
Dibromofluoromethane	*48*	*1*	*50.0*	*96 %*	*68-117*	*0E07025*	*EPA 8260B*	*05/08/10 08:59*	*JKG*	
Toluene-d8	*47*	*1*	*50.0*	*93 %*	*69-110*	*0E07025*	*EPA 8260B*	*05/08/10 08:59*	*JKG*	

www.encolabs.com

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

Lab Sample ID: C004712-08
Sampled: 04/29/10 11:30
Sampled By: Gary Simcox

Received: 05/03/10 10:00
Work Order: C004712

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] ^	**0.248**	J	ug/L	1	0.220	2.00	6	EPA 6020A	05/11/10 15:40	VLO	
Arsenic [7440-38-2] ^	**5.22**	J	ug/L	1	2.80	10.0	10	EPA 6010C	05/05/10 12:47	JDH	
Barium [7440-39-3] ^	**11.5**	J	ug/L	1	1.00	10.0	100	EPA 6010C	05/05/10 12:47	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	05/05/10 12:47	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	05/05/10 12:47	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	05/05/10 12:47	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	05/05/10 12:47	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	05/05/10 12:47	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/05/10 12:47	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	05/05/10 12:47	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	05/11/10 15:40	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/05/10 12:47	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	05/11/10 15:40	VLO	
Vanadium [7440-62-2] ^	**8.15**	J	ug/L	1	1.40	10.0	25	EPA 6010C	05/05/10 12:47	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	05/05/10 12:47	JDH	

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

www.encolabs.com

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

Lab Sample ID: C004712-09
Sampled: 04/28/10 16:00
Sampled By: Gary Simcox

Received: 05/03/10 10:00
Work Order: C004712

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	05/08/10 09:28	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/08/10 09:28	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	05/08/10 09:28	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	05/08/10 09:28	JKG	
1,1-Dichloroethane [75-34-3] ^	**0.79**	J	ug/L	1	0.050	1.0	5	EPA 8260B	05/08/10 09:28	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	05/08/10 09:28	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/08/10 09:28	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/08/10 09:28	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	05/08/10 09:28	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	05/08/10 09:28	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/08/10 09:28	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	05/08/10 09:28	JKG	
1,4-Dichlorobenzene [106-46-7] ^	**0.55**	J	ug/L	1	0.10	1.0	1	EPA 8260B	05/08/10 09:28	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	05/08/10 09:28	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	05/08/10 09:28	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/08/10 09:28	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/08/10 09:28	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	05/08/10 09:28	JKG	
Benzene [71-43-2] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	05/08/10 09:28	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	05/08/10 09:28	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/08/10 09:28	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	05/08/10 09:28	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	05/08/10 09:28	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	05/08/10 09:28	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/08/10 09:28	JKG	
Chlorobenzene [108-90-7] ^	**2.6**	J	ug/L	1	0.069	1.0	3	EPA 8260B	05/08/10 09:28	JKG	
Chloroethane [75-00-3] ^	**0.70**	J	ug/L	1	0.18	1.0	10	EPA 8260B	05/08/10 09:28	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	05/08/10 09:28	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	05/08/10 09:28	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.075	U	ug/L	1	0.075	1.0	5	EPA 8260B	05/08/10 09:28	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	05/08/10 09:28	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	05/08/10 09:28	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	05/08/10 09:28	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/08/10 09:28	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	05/08/10 09:28	JKG	
Methylene chloride [75-09-2] ^	0.070	U	ug/L	1	0.070	1.0	1	EPA 8260B	05/08/10 09:28	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/08/10 09:28	JKG	
Tetrachloroethene [127-18-4] ^	0.099	U	ug/L	1	0.099	1.0	1	EPA 8260B	05/08/10 09:28	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	05/08/10 09:28	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	05/08/10 09:28	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	05/08/10 09:28	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	05/08/10 09:28	JKG	
Trichloroethene [79-01-6] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	05/08/10 09:28	JKG	
Trichlorofluoromethane [75-69-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/08/10 09:28	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	05/08/10 09:28	JKG	
Vinyl chloride [75-01-4] ^	0.083	U	ug/L	1	0.083	1.0	1	EPA 8260B	05/08/10 09:28	JKG	

www.encolabs.com

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

Lab Sample ID: C004712-09
Sampled: 04/28/10 16:00
Sampled By: Gary Simcox

Received: 05/03/10 10:00
Work Order: C004712

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.22	U	ug/L	1	0.22	1.0	5	EPA 8260B	05/08/10 09:28	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*46*	*1*	*50.0*	*91 %*	*51-122*	*0E07025*	*EPA 8260B*	*05/08/10 09:28*	*JKG*	
Dibromofluoromethane	*47*	*1*	*50.0*	*94 %*	*68-117*	*0E07025*	*EPA 8260B*	*05/08/10 09:28*	*JKG*	
Toluene-d8	*46*	*1*	*50.0*	*93 %*	*69-110*	*0E07025*	*EPA 8260B*	*05/08/10 09:28*	*JKG*	

www.encolabs.com

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

Lab Sample ID: C004712-09
Sampled: 04/28/10 16:00
Sampled By: Gary Simcox

Received: 05/03/10 10:00
Work Order: C004712

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	05/11/10 15:51	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	05/05/10 12:50	JDH	
Barium [7440-39-3] ^	**87.7**	J	ug/L	1	1.00	10.0	100	EPA 6010C	05/05/10 12:50	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	05/05/10 12:50	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	05/05/10 12:50	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	05/05/10 12:50	JDH	
Cobalt [7440-48-4] ^	**1.46**	J	ug/L	1	1.10	10.0	10	EPA 6010C	05/05/10 12:50	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	05/05/10 12:50	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/05/10 12:50	JDH	
Nickel [7440-02-0] ^	**12.0**	J	ug/L	1	1.80	10.0	50	EPA 6010C	05/05/10 12:50	JDH	
Selenium [7782-49-2] ^	**17.0**		ug/L	1	0.830	1.00	10	EPA 6020A	05/11/10 15:51	VLO	
Silver [7440-22-4] ^	**3.07**	J	ug/L	1	1.90	10.0	10	EPA 6010C	05/05/10 12:50	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	05/11/10 15:51	VLO	
Vanadium [7440-62-2] ^	**2.02**	J	ug/L	1	1.40	10.0	25	EPA 6010C	05/05/10 12:50	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	05/05/10 12:50	JDH	

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

www.encolabs.com

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

Lab Sample ID: C004712-10
Sampled: 04/30/10 09:20
Sampled By: Gary Simcox

Received: 05/03/10 10:00
Work Order: C004712

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	05/08/10 09:57	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/08/10 09:57	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	05/08/10 09:57	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	05/08/10 09:57	JKG	
1,1-Dichloroethane [75-34-3] ^	0.050	U	ug/L	1	0.050	1.0	5	EPA 8260B	05/08/10 09:57	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	05/08/10 09:57	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/08/10 09:57	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/08/10 09:57	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	05/08/10 09:57	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	05/08/10 09:57	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/08/10 09:57	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	05/08/10 09:57	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/08/10 09:57	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	05/08/10 09:57	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	05/08/10 09:57	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/08/10 09:57	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/08/10 09:57	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	05/08/10 09:57	JKG	
Benzene [71-43-2] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	05/08/10 09:57	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	05/08/10 09:57	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/08/10 09:57	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	05/08/10 09:57	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	05/08/10 09:57	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	05/08/10 09:57	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/08/10 09:57	JKG	
Chlorobenzene [108-90-7] ^	0.069	U	ug/L	1	0.069	1.0	3	EPA 8260B	05/08/10 09:57	JKG	
Chloroethane [75-00-3] ^	0.18	U	ug/L	1	0.18	1.0	10	EPA 8260B	05/08/10 09:57	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	05/08/10 09:57	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	05/08/10 09:57	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.075	U	ug/L	1	0.075	1.0	5	EPA 8260B	05/08/10 09:57	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	05/08/10 09:57	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	05/08/10 09:57	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	05/08/10 09:57	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/08/10 09:57	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	05/08/10 09:57	JKG	
Methylene chloride [75-09-2] ^	0.070	U	ug/L	1	0.070	1.0	1	EPA 8260B	05/08/10 09:57	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/08/10 09:57	JKG	
Tetrachloroethene [127-18-4] ^	0.099	U	ug/L	1	0.099	1.0	1	EPA 8260B	05/08/10 09:57	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	05/08/10 09:57	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	05/08/10 09:57	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	05/08/10 09:57	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	05/08/10 09:57	JKG	
Trichloroethene [79-01-6] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	05/08/10 09:57	JKG	
Trichlorofluoromethane [75-69-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/08/10 09:57	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	05/08/10 09:57	JKG	
Vinyl chloride [75-01-4] ^	0.083	U	ug/L	1	0.083	1.0	1	EPA 8260B	05/08/10 09:57	JKG	

www.encolabs.com

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

Lab Sample ID: C004712-10
Sampled: 04/30/10 09:20
Sampled By: Gary Simcox

Received: 05/03/10 10:00
Work Order: C004712

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.22	U	ug/L	1	0.22	1.0	5	EPA 8260B	05/08/10 09:57	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*45*	*1*	*50.0*	*90 %*	*51-122*	*0E07025*	*EPA 8260B*	*05/08/10 09:57*	*JKG*	
Dibromofluoromethane	*48*	*1*	*50.0*	*95 %*	*68-117*	*0E07025*	*EPA 8260B*	*05/08/10 09:57*	*JKG*	
Toluene-d8	*46*	*1*	*50.0*	*92 %*	*69-110*	*0E07025*	*EPA 8260B*	*05/08/10 09:57*	*JKG*	

www.encolabs.com

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

Lab Sample ID: C004712-10
Sampled: 04/30/10 09:20
Sampled By: Gary Simcox

Received: 05/03/10 10:00
Work Order: C004712

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	05/11/10 15:54	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	05/05/10 12:52	JDH	
Barium [7440-39-3] ^	**386**		ug/L	1	1.00	10.0	100	EPA 6010C	05/05/10 12:52	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	05/05/10 12:52	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	05/05/10 12:52	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	05/05/10 12:52	JDH	
Cobalt [7440-48-4] ^	**8.21**	J	ug/L	1	1.10	10.0	10	EPA 6010C	05/05/10 12:52	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	05/05/10 12:52	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/05/10 12:52	JDH	
Nickel [7440-02-0] ^	**10.7**	J	ug/L	1	1.80	10.0	50	EPA 6010C	05/05/10 12:52	JDH	
Selenium [7782-49-2] ^	**3.19**	J	ug/L	1	0.830	1.00	10	EPA 6020A	05/11/10 15:54	VLO	
Silver [7440-22-4] ^	**2.50**	J	ug/L	1	1.90	10.0	10	EPA 6010C	05/05/10 12:52	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	05/11/10 15:54	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	05/05/10 12:52	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	05/05/10 12:52	JDH	

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

www.encolabs.com

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

Lab Sample ID: C004712-11
Sampled: 04/28/10 14:30
Sampled By: Gary Simcox

Received: 05/03/10 10:00
Work Order: C004712

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	05/08/10 10:26	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/08/10 10:26	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	05/08/10 10:26	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	05/08/10 10:26	JKG	
1,1-Dichloroethane [75-34-3] ^	0.050	U	ug/L	1	0.050	1.0	5	EPA 8260B	05/08/10 10:26	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	05/08/10 10:26	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/08/10 10:26	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/08/10 10:26	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	05/08/10 10:26	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	05/08/10 10:26	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/08/10 10:26	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	05/08/10 10:26	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/08/10 10:26	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	05/08/10 10:26	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	05/08/10 10:26	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/08/10 10:26	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/08/10 10:26	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	05/08/10 10:26	JKG	
Benzene [71-43-2] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	05/08/10 10:26	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	05/08/10 10:26	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/08/10 10:26	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	05/08/10 10:26	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	05/08/10 10:26	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	05/08/10 10:26	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/08/10 10:26	JKG	
Chlorobenzene [108-90-7] ^	0.069	U	ug/L	1	0.069	1.0	3	EPA 8260B	05/08/10 10:26	JKG	
Chloroethane [75-00-3] ^	0.18	U	ug/L	1	0.18	1.0	10	EPA 8260B	05/08/10 10:26	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	05/08/10 10:26	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	05/08/10 10:26	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.075	U	ug/L	1	0.075	1.0	5	EPA 8260B	05/08/10 10:26	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	05/08/10 10:26	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	05/08/10 10:26	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	05/08/10 10:26	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/08/10 10:26	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	05/08/10 10:26	JKG	
Methylene chloride [75-09-2] ^	0.070	U	ug/L	1	0.070	1.0	1	EPA 8260B	05/08/10 10:26	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/08/10 10:26	JKG	
Tetrachloroethene [127-18-4] ^	0.099	U	ug/L	1	0.099	1.0	1	EPA 8260B	05/08/10 10:26	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	05/08/10 10:26	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	05/08/10 10:26	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	05/08/10 10:26	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	05/08/10 10:26	JKG	
Trichloroethene [79-01-6] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	05/08/10 10:26	JKG	
Trichlorofluoromethane [75-69-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/08/10 10:26	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	05/08/10 10:26	JKG	
Vinyl chloride [75-01-4] ^	0.083	U	ug/L	1	0.083	1.0	1	EPA 8260B	05/08/10 10:26	JKG	

www.encolabs.com

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

Lab Sample ID: C004712-11
Sampled: 04/28/10 14:30
Sampled By: Gary Simcox

Received: 05/03/10 10:00
Work Order: C004712

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.22	U	ug/L	1	0.22	1.0	5	EPA 8260B	05/08/10 10:26	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*46*	*1*	*50.0*	*91 %*	*51-122*	*0E07025*	*EPA 8260B*	*05/08/10 10:26*	*JKG*	
Dibromofluoromethane	*48*	*1*	*50.0*	*96 %*	*68-117*	*0E07025*	*EPA 8260B*	*05/08/10 10:26*	*JKG*	
Toluene-d8	*46*	*1*	*50.0*	*92 %*	*69-110*	*0E07025*	*EPA 8260B*	*05/08/10 10:26*	*JKG*	

www.encolabs.com

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

Lab Sample ID: C004712-11
Sampled: 04/28/10 14:30
Sampled By: Gary Simcox

Received: 05/03/10 10:00
Work Order: C004712

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	05/11/10 15:58	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	05/05/10 13:02	JDH	
Barium [7440-39-3] ^	**112**		ug/L	1	1.00	10.0	100	EPA 6010C	05/05/10 13:02	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	05/05/10 13:02	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	05/05/10 13:02	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	05/05/10 13:02	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	05/05/10 13:02	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	05/05/10 13:02	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/05/10 13:02	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	05/05/10 13:02	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	05/11/10 15:58	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/05/10 13:02	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	05/11/10 15:58	VLO	
Vanadium [7440-62-2] ^	**3.65**	J	ug/L	1	1.40	10.0	25	EPA 6010C	05/05/10 13:02	JDH	
Zinc [7440-66-6] ^	**7.20**	J	ug/L	1	3.80	10.0	10	EPA 6010C	05/05/10 13:02	JDH	

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

www.encolabs.com

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

Lab Sample ID: C004712-12
Sampled: 04/29/10 14:50
Sampled By: Gary Simcox

Received: 05/03/10 10:00
Work Order: C004712

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	05/08/10 10:55	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/08/10 10:55	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	05/08/10 10:55	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	05/08/10 10:55	JKG	
1,1-Dichloroethane [75-34-3] ^	0.050	U	ug/L	1	0.050	1.0	5	EPA 8260B	05/08/10 10:55	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	05/08/10 10:55	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/08/10 10:55	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/08/10 10:55	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	05/08/10 10:55	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	05/08/10 10:55	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/08/10 10:55	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	05/08/10 10:55	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/08/10 10:55	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	05/08/10 10:55	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	05/08/10 10:55	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/08/10 10:55	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/08/10 10:55	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	05/08/10 10:55	JKG	
Benzene [71-43-2] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	05/08/10 10:55	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	05/08/10 10:55	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/08/10 10:55	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	05/08/10 10:55	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	05/08/10 10:55	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	05/08/10 10:55	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/08/10 10:55	JKG	
Chlorobenzene [108-90-7] ^	0.069	U	ug/L	1	0.069	1.0	3	EPA 8260B	05/08/10 10:55	JKG	
Chloroethane [75-00-3] ^	0.18	U	ug/L	1	0.18	1.0	10	EPA 8260B	05/08/10 10:55	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	05/08/10 10:55	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	05/08/10 10:55	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.075	U	ug/L	1	0.075	1.0	5	EPA 8260B	05/08/10 10:55	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	05/08/10 10:55	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	05/08/10 10:55	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	05/08/10 10:55	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/08/10 10:55	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	05/08/10 10:55	JKG	
Methylene chloride [75-09-2] ^	0.070	U	ug/L	1	0.070	1.0	1	EPA 8260B	05/08/10 10:55	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/08/10 10:55	JKG	
Tetrachloroethene [127-18-4] ^	0.099	U	ug/L	1	0.099	1.0	1	EPA 8260B	05/08/10 10:55	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	05/08/10 10:55	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	05/08/10 10:55	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	05/08/10 10:55	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	05/08/10 10:55	JKG	
Trichloroethene [79-01-6] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	05/08/10 10:55	JKG	
Trichlorofluoromethane [75-69-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/08/10 10:55	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	05/08/10 10:55	JKG	
Vinyl chloride [75-01-4] ^	0.083	U	ug/L	1	0.083	1.0	1	EPA 8260B	05/08/10 10:55	JKG	

www.encolabs.com

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

Lab Sample ID: C004712-12
Sampled: 04/29/10 14:50
Sampled By: Gary Simcox

Received: 05/03/10 10:00
Work Order: C004712

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.22	U	ug/L	1	0.22	1.0	5	EPA 8260B	05/08/10 10:55	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*89 %*	*51-122*	*0E07025*	*EPA 8260B*	*05/08/10 10:55*	*JKG*	
Dibromofluoromethane	*47*	*1*	*50.0*	*94 %*	*68-117*	*0E07025*	*EPA 8260B*	*05/08/10 10:55*	*JKG*	
Toluene-d8	*46*	*1*	*50.0*	*92 %*	*69-110*	*0E07025*	*EPA 8260B*	*05/08/10 10:55*	*JKG*	

www.encolabs.com

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

Lab Sample ID: C004712-12
Sampled: 04/29/10 14:50
Sampled By: Gary Simcox

Received: 05/03/10 10:00
Work Order: C004712

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	05/11/10 16:01	VLO	
Arsenic [7440-38-2] ^	**4.60**	J	ug/L	1	2.80	10.0	10	EPA 6010C	05/05/10 13:04	JDH	
Barium [7440-39-3] ^	**17.1**	J	ug/L	1	1.00	10.0	100	EPA 6010C	05/05/10 13:04	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	05/05/10 13:04	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	05/05/10 13:04	JDH	
Chromium [7440-47-3] ^	**2.24**	J	ug/L	1	1.00	10.0	10	EPA 6010C	05/05/10 13:04	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	05/05/10 13:04	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	05/05/10 13:04	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/05/10 13:04	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	05/05/10 13:04	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	05/11/10 16:01	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/05/10 13:04	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	05/11/10 16:01	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	05/05/10 13:04	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	05/05/10 13:04	JDH	

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

www.encolabs.com

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

Lab Sample ID: C004712-13
Sampled: 04/30/10 07:00
Sampled By: Gary Simcox

Received: 05/03/10 10:00
Work Order: C004712

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	05/08/10 11:24	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/08/10 11:24	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	05/08/10 11:24	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	05/08/10 11:24	JKG	
1,1-Dichloroethane [75-34-3] ^	0.050	U	ug/L	1	0.050	1.0	5	EPA 8260B	05/08/10 11:24	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	05/08/10 11:24	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/08/10 11:24	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/08/10 11:24	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	05/08/10 11:24	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	05/08/10 11:24	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/08/10 11:24	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	05/08/10 11:24	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/08/10 11:24	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	05/08/10 11:24	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	05/08/10 11:24	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/08/10 11:24	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/08/10 11:24	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	05/08/10 11:24	JKG	
Benzene [71-43-2] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	05/08/10 11:24	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	05/08/10 11:24	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/08/10 11:24	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	05/08/10 11:24	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	05/08/10 11:24	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	05/08/10 11:24	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/08/10 11:24	JKG	
Chlorobenzene [108-90-7] ^	0.069	U	ug/L	1	0.069	1.0	3	EPA 8260B	05/08/10 11:24	JKG	
Chloroethane [75-00-3] ^	0.18	U	ug/L	1	0.18	1.0	10	EPA 8260B	05/08/10 11:24	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	05/08/10 11:24	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	05/08/10 11:24	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.075	U	ug/L	1	0.075	1.0	5	EPA 8260B	05/08/10 11:24	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	05/08/10 11:24	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	05/08/10 11:24	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	05/08/10 11:24	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/08/10 11:24	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	05/08/10 11:24	JKG	
Methylene chloride [75-09-2] ^	0.070	U	ug/L	1	0.070	1.0	1	EPA 8260B	05/08/10 11:24	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/08/10 11:24	JKG	
Tetrachloroethene [127-18-4] ^	0.099	U	ug/L	1	0.099	1.0	1	EPA 8260B	05/08/10 11:24	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	05/08/10 11:24	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	05/08/10 11:24	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	05/08/10 11:24	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	05/08/10 11:24	JKG	
Trichloroethene [79-01-6] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	05/08/10 11:24	JKG	
Trichlorofluoromethane [75-69-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/08/10 11:24	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	05/08/10 11:24	JKG	
Vinyl chloride [75-01-4] ^	0.083	U	ug/L	1	0.083	1.0	1	EPA 8260B	05/08/10 11:24	JKG	

www.encolabs.com

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

Lab Sample ID: C004712-13
Sampled: 04/30/10 07:00
Sampled By: Gary Simcox

Received: 05/03/10 10:00
Work Order: C004712

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.22	U	ug/L	1	0.22	1.0	5	EPA 8260B	05/08/10 11:24	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*46*	*1*	*50.0*	*91 %*	*51-122*	*0E07025*	*EPA 8260B*	*05/08/10 11:24*	*JKG*	
Dibromofluoromethane	*48*	*1*	*50.0*	*96 %*	*68-117*	*0E07025*	*EPA 8260B*	*05/08/10 11:24*	*JKG*	
Toluene-d8	*46*	*1*	*50.0*	*92 %*	*69-110*	*0E07025*	*EPA 8260B*	*05/08/10 11:24*	*JKG*	

www.encolabs.com

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

Lab Sample ID: C004712-13
Sampled: 04/30/10 07:00
Sampled By: Gary Simcox

Received: 05/03/10 10:00
Work Order: C004712

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	05/11/10 16:05	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	05/05/10 11:47	JDH	
Barium [7440-39-3] ^	**414**		ug/L	1	1.00	10.0	100	EPA 6010C	05/05/10 11:47	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	05/05/10 11:47	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	05/05/10 11:47	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	05/05/10 11:47	JDH	
Cobalt [7440-48-4] ^	**9.12**	J	ug/L	1	1.10	10.0	10	EPA 6010C	05/05/10 11:47	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	05/05/10 11:47	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/05/10 11:47	JDH	
Nickel [7440-02-0] ^	**12.1**	J	ug/L	1	1.80	10.0	50	EPA 6010C	05/05/10 11:47	JDH	
Selenium [7782-49-2] ^	**2.52**	J	ug/L	1	0.830	1.00	10	EPA 6020A	05/11/10 16:05	VLO	
Silver [7440-22-4] ^	**2.58**	J	ug/L	1	1.90	10.0	10	EPA 6010C	05/05/10 11:47	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	05/11/10 16:05	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	05/05/10 11:47	JDH	
Zinc [7440-66-6] ^	**4.13**	J	ug/L	1	3.80	10.0	10	EPA 6010C	05/05/10 11:47	JDH	

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

www.encolabs.com

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

Lab Sample ID: C004712-14
Sampled: 04/28/10 14:30
Sampled By: ENCO

Received: 05/03/10 10:00
Work Order: C004712

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	05/08/10 11:54	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/08/10 11:54	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	05/08/10 11:54	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	05/08/10 11:54	JKG	
1,1-Dichloroethane [75-34-3] ^	0.050	U	ug/L	1	0.050	1.0	5	EPA 8260B	05/08/10 11:54	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	05/08/10 11:54	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/08/10 11:54	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/08/10 11:54	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	05/08/10 11:54	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	05/08/10 11:54	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/08/10 11:54	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	05/08/10 11:54	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/08/10 11:54	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	05/08/10 11:54	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	05/08/10 11:54	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/08/10 11:54	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	05/08/10 11:54	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	05/08/10 11:54	JKG	
Benzene [71-43-2] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	05/08/10 11:54	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	05/08/10 11:54	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/08/10 11:54	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	05/08/10 11:54	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	05/08/10 11:54	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	05/08/10 11:54	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/08/10 11:54	JKG	
Chlorobenzene [108-90-7] ^	0.069	U	ug/L	1	0.069	1.0	3	EPA 8260B	05/08/10 11:54	JKG	
Chloroethane [75-00-3] ^	0.18	U	ug/L	1	0.18	1.0	10	EPA 8260B	05/08/10 11:54	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	05/08/10 11:54	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	05/08/10 11:54	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.075	U	ug/L	1	0.075	1.0	5	EPA 8260B	05/08/10 11:54	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	05/08/10 11:54	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	05/08/10 11:54	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	05/08/10 11:54	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/08/10 11:54	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	05/08/10 11:54	JKG	
Methylene chloride [75-09-2] ^	0.070	U	ug/L	1	0.070	1.0	1	EPA 8260B	05/08/10 11:54	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/08/10 11:54	JKG	
Tetrachloroethene [127-18-4] ^	0.099	U	ug/L	1	0.099	1.0	1	EPA 8260B	05/08/10 11:54	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	05/08/10 11:54	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	05/08/10 11:54	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	05/08/10 11:54	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	05/08/10 11:54	JKG	
Trichloroethene [79-01-6] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	05/08/10 11:54	JKG	
Trichlorofluoromethane [75-69-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/08/10 11:54	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	05/08/10 11:54	JKG	
Vinyl chloride [75-01-4] ^	0.083	U	ug/L	1	0.083	1.0	1	EPA 8260B	05/08/10 11:54	JKG	

www.encolabs.com

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

Lab Sample ID: C004712-14
Sampled: 04/28/10 14:30
Sampled By: ENCO

Received: 05/03/10 10:00
Work Order: C004712

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.22	U	ug/L	1	0.22	1.0	5	EPA 8260B	05/08/10 11:54	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*89 %*	*51-122*	*0E07025*	*EPA 8260B*	*05/08/10 11:54*	*JKG*	
Dibromofluoromethane	*48*	*1*	*50.0*	*97 %*	*68-117*	*0E07025*	*EPA 8260B*	*05/08/10 11:54*	*JKG*	
Toluene-d8	*46*	*1*	*50.0*	*92 %*	*69-110*	*0E07025*	*EPA 8260B*	*05/08/10 11:54*	*JKG*	

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

www.encolabs.com

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0E07024 - EPA 5030B_MS

Blank (0E07024-BLK1) Prepared: 05/07/2010 12:13 Analyzed: 05/07/2010 16:30

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.091	U	1.0	ug/L							
1,1,1-Trichloroethane	0.15	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.085	U	1.0	ug/L							
1,1,2-Trichloroethane	0.068	U	1.0	ug/L							
1,1-Dichloroethane	0.050	U	1.0	ug/L							
1,1-Dichloroethene	0.15	U	1.0	ug/L							
1,2,3-Trichloropropane	0.15	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.42	U	1.0	ug/L							
1,2-Dichlorobenzene	0.052	U	1.0	ug/L							
1,2-Dichloroethane	0.082	U	1.0	ug/L							
1,2-Dichloropropane	0.098	U	1.0	ug/L							
1,4-Dichlorobenzene	0.10	U	1.0	ug/L							
2-Butanone	1.0	U	5.0	ug/L							
2-Hexanone	0.69	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.5	U	5.0	ug/L							
Acrylonitrile	2.1	U	10	ug/L							
Benzene	0.050	U	1.0	ug/L							
Bromochloromethane	0.11	U	1.0	ug/L							
Bromodichloromethane	0.10	U	1.0	ug/L							
Bromoform	0.20	U	1.0	ug/L							
Bromomethane	0.28	U	1.0	ug/L							
Carbon disulfide	0.54	U	5.0	ug/L							
Carbon tetrachloride	0.082	U	1.0	ug/L							
Chlorobenzene	0.069	U	1.0	ug/L							
Chloroethane	0.18	U	1.0	ug/L							
Chloroform	0.083	U	1.0	ug/L							
Chloromethane	0.050	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.075	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.073	U	1.0	ug/L							
Dibromochloromethane	0.067	U	1.0	ug/L							
Dibromomethane	0.13	U	1.0	ug/L							
Ethylbenzene	0.10	U	1.0	ug/L							
Iodomethane	0.52	U	5.0	ug/L							
Methylene chloride	0.070	U	1.0	ug/L							
Styrene	0.082	U	1.0	ug/L							
Tetrachloroethene	0.099	U	1.0	ug/L							
Toluene	0.053	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.11	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.080	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.54	U	1.0	ug/L							
Trichloroethene	0.13	U	1.0	ug/L							
Trichlorofluoromethane	0.15	U	1.0	ug/L							
Vinyl acetate	0.98	U	5.0	ug/L							
Vinyl chloride	0.083	U	1.0	ug/L							
Xylenes (Total)	0.22	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*46*			*ug/L*	*50.0*		*91*	*51-122*			

www.encolabs.com

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0E07024 - EPA 5030B_MS

Blank (0E07024-BLK1) Continued Prepared: 05/07/2010 12:13 Analyzed: 05/07/2010 16:30

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Dibromofluoromethane	*50*			*ug/L*	*50.0*		*101*	*68-117*			
Surrogate: Toluene-d8	*47*			*ug/L*	*50.0*		*93*	*69-110*			

LCS (0E07024-BS1) Prepared: 05/07/2010 12:13 Analyzed: 05/07/2010 16:59

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		90	75-133			
Benzene	19		1.0	ug/L	20.0		97	81-134			
Chlorobenzene	19		1.0	ug/L	20.0		93	83-117			
Toluene	20		1.0	ug/L	20.0		98	71-118			
Trichloroethene	18		1.0	ug/L	20.0		88	75-115			

Matrix Spike (0E07024-MS1) Prepared: 05/07/2010 12:13 Analyzed: 05/07/2010 17:29

Source: C005078-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0	0.15 U	93	75-133			
Benzene	20		1.0	ug/L	20.0	0.050 U	98	81-134			
Chlorobenzene	19		1.0	ug/L	20.0	0.069 U	93	83-117			
Toluene	20		1.0	ug/L	20.0	0.053 U	100	71-118			
Trichloroethene	18		1.0	ug/L	20.0	0.13 U	91	75-115			

Matrix Spike Dup (0E07024-MSD1) Prepared: 05/07/2010 12:13 Analyzed: 05/07/2010 17:59

Source: C005078-03

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	0.15 U	88	75-133	5	20	
Benzene	19		1.0	ug/L	20.0	0.050 U	93	81-134	6	17	
Chlorobenzene	18		1.0	ug/L	20.0	0.069 U	91	83-117	3	16	
Toluene	19		1.0	ug/L	20.0	0.053 U	96	71-118	4	17	
Trichloroethene	17		1.0	ug/L	20.0	0.13 U	87	75-115	4	18	

Batch 0E07025 - EPA 5030B_MS

Blank (0E07025-BLK1) Prepared: 05/07/2010 12:16 Analyzed: 05/08/2010 05:09

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.091	U	1.0	ug/L							
1,1,1-Trichloroethane	0.15	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.085	U	1.0	ug/L							
1,1,2-Trichloroethane	0.068	U	1.0	ug/L							
1,1-Dichloroethane	0.050	U	1.0	ug/L							
1,1-Dichloroethene	0.15	U	1.0	ug/L							
1,2,3-Trichloropropane	0.15	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.42	U	1.0	ug/L							
1,2-Dichlorobenzene	0.052	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0E07025 - EPA 5030B_MS

Blank (0E07025-BLK1) Continued Prepared: 05/07/2010 12:16 Analyzed: 05/08/2010 05:09

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dichloroethane	0.082	U	1.0	ug/L							
1,2-Dichloropropane	0.098	U	1.0	ug/L							
1,4-Dichlorobenzene	0.10	U	1.0	ug/L							
2-Butanone	1.0	U	5.0	ug/L							
2-Hexanone	0.69	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.5	U	5.0	ug/L							
Acrylonitrile	2.1	U	10	ug/L							
Benzene	0.050	U	1.0	ug/L							
Bromochloromethane	0.11	U	1.0	ug/L							
Bromodichloromethane	0.10	U	1.0	ug/L							
Bromoform	0.20	U	1.0	ug/L							
Bromomethane	0.28	U	1.0	ug/L							
Carbon disulfide	0.54	U	5.0	ug/L							
Carbon tetrachloride	0.082	U	1.0	ug/L							
Chlorobenzene	0.069	U	1.0	ug/L							
Chloroethane	0.18	U	1.0	ug/L							
Chloroform	0.083	U	1.0	ug/L							
Chloromethane	0.050	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.075	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.073	U	1.0	ug/L							
Dibromochloromethane	0.067	U	1.0	ug/L							
Dibromomethane	0.13	U	1.0	ug/L							
Ethylbenzene	0.10	U	1.0	ug/L							
Iodomethane	0.52	U	5.0	ug/L							
Methylene chloride	0.070	U	1.0	ug/L							
Styrene	0.082	U	1.0	ug/L							
Tetrachloroethene	0.099	U	1.0	ug/L							
Toluene	0.053	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.11	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.080	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.54	U	1.0	ug/L							
Trichloroethene	0.13	U	1.0	ug/L							
Trichlorofluoromethane	0.15	U	1.0	ug/L							
Vinyl acetate	0.98	U	5.0	ug/L							
Vinyl chloride	0.083	U	1.0	ug/L							
Xylenes (Total)	0.22	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*46*			*ug/L*	*50.0*		*92*	*51-122*			
Surrogate: Dibromofluoromethane	*47*			*ug/L*	*50.0*		*95*	*68-117*			
Surrogate: Toluene-d8	*46*			*ug/L*	*50.0*		*93*	*69-110*			

LCS (0E07025-BS1) Prepared: 05/07/2010 12:16 Analyzed: 05/08/2010 05:38

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	17		1.0	ug/L	20.0		84	75-133			
Benzene	18		1.0	ug/L	20.0		92	81-134			
Chlorobenzene	18		1.0	ug/L	20.0		90	83-117			
Toluene	19		1.0	ug/L	20.0		95	71-118			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0E07025 - EPA 5030B_MS

LCS (0E07025-BS1) Continued Prepared: 05/07/2010 12:16 Analyzed: 05/08/2010 05:38

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Trichloroethene	18		1.0	ug/L	20.0		89	75-115			

Matrix Spike (0E07025-MS1) Prepared: 05/07/2010 12:16 Analyzed: 05/08/2010 06:06

Source: C005247-03

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	0.15 U	90	75-133			
Benzene	19		1.0	ug/L	20.0	0.050 U	93	81-134			
Chlorobenzene	18		1.0	ug/L	20.0	0.069 U	91	83-117			
Toluene	19		1.0	ug/L	20.0	0.053 U	95	71-118			
Trichloroethene	17		1.0	ug/L	20.0	0.13 U	85	75-115			

Matrix Spike Dup (0E07025-MSD1) Prepared: 05/07/2010 12:16 Analyzed: 05/08/2010 06:35

Source: C005247-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0	0.15 U	94	75-133	5	20	
Benzene	19		1.0	ug/L	20.0	0.050 U	95	81-134	2	17	
Chlorobenzene	18		1.0	ug/L	20.0	0.069 U	92	83-117	1	16	
Toluene	20		1.0	ug/L	20.0	0.053 U	100	71-118	6	17	
Trichloroethene	18		1.0	ug/L	20.0	0.13 U	91	75-115	7	18	

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

Batch 0E03037 - EPA 3005A

Blank (0E03037-BLK1) Prepared: 05/03/2010 14:45 Analyzed: 05/05/2010 13:34

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 (0E03037-BS1) Prepared: 05/03/2010 14:45 Analyzed: 05/05/2010 11:44

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1030		10.0	ug/L	1000		103	80-120			
Barium	1000		10.0	ug/L	1000		100	80-120			
Beryllium	517		1.00	ug/L	500		103	80-120			

QUALITY CONTROL

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

Batch 0E03037 - EPA 3005A

LCS (0E03037-BS1) Continued Prepared: 05/03/2010 14:45 Analyzed: 05/05/2010 11:44

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cadmium	510		1.00	ug/L	500		102	80-120			
Chromium	1010		10.0	ug/L	1000		101	80-120			
Cobalt	994		10.0	ug/L	1000		99	80-120			
Copper	514		10.0	ug/L	500		103	80-120			
Lead	1020		10.0	ug/L	1000		102	80-120			
Nickel	1000		10.0	ug/L	1000		100	80-120			
Silver	97.6		10.0	ug/L	100		98	80-120			
Vanadium	497		10.0	ug/L	500		99	80-120			
Zinc	1020		10.0	ug/L	1000		102	80-120			

Matrix Spike (0E03037-MS1) Prepared: 05/03/2010 14:45 Analyzed: 05/05/2010 11:49

Source: C004712-13

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1060		10.0	ug/L	1000	2.80 U	106	75-125			
Barium	1440		10.0	ug/L	1000	414	102	75-125			
Beryllium	529		1.00	ug/L	500	0.100 U	106	75-125			
Cadmium	512		1.00	ug/L	500	0.360 U	102	75-125			
Chromium	1030		10.0	ug/L	1000	1.00 U	103	75-125			
Cobalt	1020		10.0	ug/L	1000	9.12	101	75-125			
Copper	525		10.0	ug/L	500	1.60 U	105	75-125			
Lead	1020		10.0	ug/L	1000	1.90 U	102	75-125			
Nickel	1020		10.0	ug/L	1000	12.1	101	75-125			
Silver	102		10.0	ug/L	100	2.58	100	75-125			
Vanadium	510		10.0	ug/L	500	1.40 U	102	75-125			
Zinc	1020		10.0	ug/L	1000	4.13	102	75-125			

Matrix Spike Dup (0E03037-MSD1) Prepared: 05/03/2010 14:45 Analyzed: 05/05/2010 11:59

Source: C004712-13

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1070		10.0	ug/L	1000	2.80 U	107	75-125	1	20	
Barium	1430		10.0	ug/L	1000	414	102	75-125	0.3	20	
Beryllium	537		1.00	ug/L	500	0.100 U	107	75-125	2	20	
Cadmium	509		1.00	ug/L	500	0.360 U	102	75-125	0.7	20	
Chromium	1030		10.0	ug/L	1000	1.00 U	103	75-125	0.3	20	
Cobalt	1010		10.0	ug/L	1000	9.12	100	75-125	0.6	20	
Copper	522		10.0	ug/L	500	1.60 U	104	75-125	0.6	20	
Lead	1030		10.0	ug/L	1000	1.90 U	103	75-125	1	20	
Nickel	1020		10.0	ug/L	1000	12.1	100	75-125	0.5	20	
Silver	101		10.0	ug/L	100	2.58	98	75-125	1	20	
Vanadium	510		10.0	ug/L	500	1.40 U	102	75-125	0.1	20	
Zinc	1010		10.0	ug/L	1000	4.13	101	75-125	0.8	20	

Post Spike (0E03037-PS1) Prepared: 05/03/2010 14:45 Analyzed: 05/05/2010 12:02

Source: C004712-13

www.encolabs.com

QUALITY CONTROL

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

Batch 0E03037 - EPA 3005A

Post Spike (0E03037-PS1) Continued Prepared: 05/03/2010 14:45 Analyzed: 05/05/2010 12:02

Source: C004712-13

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1.10		0.0100	mg/L	1.00	-0.000321	110	80-120			
Barium	1.51		0.0100	mg/L	1.00	0.414	110	80-120			
Beryllium	0.553		0.00100	mg/L	0.500	2.04E-5	111	80-120			
Cadmium	0.541		0.00100	mg/L	0.500	-0.000147	108	80-120			
Chromium	1.09		0.0100	mg/L	1.00	-0.000173	109	80-120			
Cobalt	1.07		0.0100	mg/L	1.00	0.00912	106	80-120			
Copper	0.556		0.0100	mg/L	0.500	-0.00389	112	80-120			
Lead	1.06		0.0100	mg/L	1.00	0.00156	106	80-120			
Nickel	1.08		0.0100	mg/L	1.00	0.0121	107	80-120			
Silver	0.102		0.0100	mg/L	0.100	0.00258	100	80-120			
Vanadium	0.540		0.0100	mg/L	0.500	0.000822	108	80-120			
Zinc	1.08		0.0100	mg/L	1.00	0.00413	107	80-120			

Batch 0E03038 - EPA 3005A

Blank (0E03038-BLK1) Prepared: 05/03/2010 14:50 Analyzed: 05/11/2010 14:24

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 (0E03038-BS1) Prepared: 05/03/2010 14:50 Analyzed: 05/11/2010 14:27

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	26.7		2.00	ug/L	25.0		107	80-120			
Selenium	27.2		1.00	ug/L	25.0		109	80-120			
Thallium	27.0		1.00	ug/L	25.0		108	80-120			

Matrix Spike (0E03038-MS1) Prepared: 05/03/2010 14:50 Analyzed: 05/11/2010 14:34

Source: C004711-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	26.3		2.00	ug/L	25.0	0.220 U	105	75-125			
Selenium	26.1		1.00	ug/L	25.0	0.830 U	104	75-125			
Thallium	26.3		1.00	ug/L	25.0	0.110 U	105	75-125			

Matrix Spike Dup (0E03038-MSD1) Prepared: 05/03/2010 14:50 Analyzed: 05/11/2010 14:38

Source: C004711-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	26.4		2.00	ug/L	25.0	0.220 U	106	75-125	0.5	20	
Selenium	26.3		1.00	ug/L	25.0	0.830 U	105	75-125	0.9	20	
Thallium	26.5		1.00	ug/L	25.0	0.110 U	106	75-125	0.5	20	

Post Spike (0E03038-PS1) Prepared: 05/03/2010 14:50 Analyzed: 05/11/2010 14:42

www.encolabs.com

QUALITY CONTROL

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

Batch 0E03038 - EPA 3005A

Post Spike (0E03038-PS1) Continued Prepared: 05/03/2010 14:50 Analyzed: 05/11/2010 14:42

Source: C004711-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	28.5		2.00	ug/L	25.0	-0.0520	114	80-120			
Selenium	29.0		1.00	ug/L	25.0	0.0460	116	80-120			
Thallium	29.1		1.00	ug/L	25.0	-0.160	117	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) 850-6945

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

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

Page 1 of 1

Client Name: S&ME, Inc. (SM004)	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: Connel Ware
Sampler(s) Name, Affiliation (Print): GARY SIMCOX / S&ME	Billing Contact: Accounts Payable
Sampler(s) Signature:	Facility # (if required):

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

Requested Turnaround Times
Note: Rush requests subject to acceptance by the facility
___ Standard
___ Expedited
Due __/__/__

Lab Workorder: C004712

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	4/28/10	1815	G	GW	4	X	X	
	4103-II2	4/29/10	0900	G	GW	4	X	X	
	4103-II3	4/30/10	1045	G	GW	4	X	X	
	4103-II4	4/30/10	1250	G	GW	4	X	X	
	4103-II5	4/30/10	1145	G	GW	4	X	X	
	4103-II6	4/28/10	1650	G	GW	4	X	X	
	4103-II7	4/29/10	1250	G	GW	4	X	X	
	4103-II7B	4/29/10	1130	G	GW	4	X	X	
	4103-II8	4/28/10	1600	G	GW	4	X	X	
	4103-II12	4/30/10	0920	G	GW	4	X	X	
	4103-MW13	4/28/10	1430	G	GW	4	X	X	
	4103-MW14	4/29/10	1450	G	GW	4	X	X	

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time 4/30/10 1630	Received By: Briana Gregory	Date/Time 5/3/10 10:00
Comments		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time
		Cooler #'s & Temps on Receipt: C-307 3.6		Condition Upon Receipt: X Acceptable ___ Unacceptable	

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

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

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

www.encolabs.com

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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

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

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

Page 1 of 1

Client Name: S&ME, Inc. (SM004)	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: Connel Ware
Sampler(s) Name, Affiliation (Print): Gary Simcox / S&ME	Billing Contact: Accounts Payable
Sampler(s) Signature: [signature]	Facility # (if required):

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

Requested Turnaround Times

Note: Rush requests subject to acceptance by the facility

___ Standard

___ Expedited

Due __/__/__

Lab Workorder: C004712

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
	4103-DUPLICATEII	4/30/10	0700	G	GW	4	X	X									
	4103-TripBlank#2				GW	2	X										

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
		[signature]	4/30/10 1630	Briana Gregory	5/3/10 10:00
Comments		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time

Cooler #'s & Temps on Receipt: C 307 3.6

Condition Upon Receipt: X Acceptable ___ Unacceptable

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

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

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

www.encolabs.com

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

www.encolabs.com

Monday, May 17, 2010

S&ME, Inc. (SM004)

Attn: Edmund Henriques

3718 Old Battleground Rd.

Greensboro, NC 27410

RE: Laboratory Results for
Project Number: [none], Project Name/Desc: White Street Landfill AppI (Phase III)
ENCO Workorder: C005044

Dear Edmund Henriques,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Monday, May 3, 2010.

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 28.

www.encolabs.com

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: 4112-SW1 | **Lab ID: C005044-01** | **Sampled: 04/30/10 14:15** | **Received: 05/03/10 10:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	10/27/10	05/04/10	09:43	5/6/2010 12:28
EPA 6020A	10/27/10	05/04/10	09:48	5/10/2010 12:35
EPA 8260B	05/14/10	05/07/10	12:16	5/8/2010 14:23

Client ID: 4112-SW2 | **Lab ID: C005044-02** | **Sampled: 04/30/10 13:10** | **Received: 05/03/10 10:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	10/27/10	05/04/10	09:43	5/6/2010 12:31
EPA 6020A	10/27/10	05/04/10	09:48	5/10/2010 12:38
EPA 8260B	05/14/10	05/07/10	12:16	5/8/2010 14:53

Client ID: 4112-SW3 | **Lab ID: C005044-03** | **Sampled: 04/30/10 14:50** | **Received: 05/03/10 10:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	10/27/10	05/04/10	09:43	5/6/2010 12:33
EPA 6020A	10/27/10	05/04/10	09:48	5/10/2010 12:42
EPA 8260B	05/14/10	05/07/10	12:16	5/8/2010 15:24

Client ID: 4112-SW4 | **Lab ID: C005044-04** | **Sampled: 04/30/10 13:35** | **Received: 05/03/10 10:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	10/27/10	05/04/10	09:43	5/6/2010 12:36
EPA 6020A	10/27/10	05/04/10	09:48	5/10/2010 12:45
EPA 8260B	05/14/10	05/07/10	10:31	5/9/2010 23:29

Client ID: 4112-SW5 | **Lab ID: C005044-05** | **Sampled: 04/30/10 12:30** | **Received: 05/03/10 10:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	10/27/10	05/04/10	09:43	5/6/2010 12:46
EPA 6020A	10/27/10	05/04/10	09:48	5/10/2010 12:49
EPA 8260B	05/14/10	05/07/10	10:31	5/9/2010 23:57

www.encolabs.com

NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: 4112-SW1 **Lab ID: C005044-01**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	3.3	J	1	1.5	5.0	100	ug/L	EPA 8260B	
Barium - Total	54.5	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total	2.56	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Silver - Total	2.04	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Vanadium - Total	1.76	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	10.6		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4112-SW2 **Lab ID: C005044-02**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	3.0	J	1	1.5	5.0	100	ug/L	EPA 8260B	
Barium - Total	48.5	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Selenium - Total	1.72	J	1	0.830	1.00	10	ug/L	EPA 6020A	
Silver - Total	2.22	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Zinc - Total	6.64	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4112-SW3 **Lab ID: C005044-03**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	3.5	J	1	1.5	5.0	100	ug/L	EPA 8260B	
Antimony - Total	0.272	J	1	0.220	2.00	6	ug/L	EPA 6020A	
Barium - Total	30.9	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Bromodichloromethane	0.83	J	1	0.10	1.0	1	ug/L	EPA 8260B	
Chloroform	1.8	J	1	0.083	1.0	5	ug/L	EPA 8260B	
Chromium - Total	1.14	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Copper - Total	5.90	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Selenium - Total	0.900	J	1	0.830	1.00	10	ug/L	EPA 6020A	
Toluene	0.43	J	1	0.053	1.0	1	ug/L	EPA 8260B	
Zinc - Total	48.1		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4112-SW4 **Lab ID: C005044-04**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	4.6	J	1	1.5	5.0	100	ug/L	EPA 8260B	
Antimony - Total	0.225	J	1	0.220	2.00	6	ug/L	EPA 6020A	
Barium - Total	37.1	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Copper - Total	3.30	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Selenium - Total	0.974	J	1	0.830	1.00	10	ug/L	EPA 6020A	
Zinc - Total	34.0		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4112-SW5 **Lab ID: C005044-05**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	4.1	J	1	1.5	5.0	100	ug/L	EPA 8260B	
Antimony - Total	0.258	J	1	0.220	2.00	6	ug/L	EPA 6020A	
Barium - Total	44.2	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total	1.95	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Cobalt - Total	1.98	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	6.33	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Lead - Total	2.04	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Nickel - Total	2.14	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Selenium - Total	1.23	J	1	0.830	1.00	10	ug/L	EPA 6020A	

www.encolabs.com

Client ID: 4112-SW5								Lab ID: C005044-05	
Analyte	**Results**	**Flag**	**DF**	**MDL**	**MRL**	**NC SWSL**	**Units**	**Method**	**Notes**
Vanadium - Total	3.45	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	54.2		1	3.80	10.0	10	ug/L	EPA 6010C	

www.encolabs.com

ANALYTICAL RESULTS

Description: 4112-SW1
Matrix: Surface Water
Project: White Street Landfill Appl (Phase III)

Lab Sample ID: C005044-01
Sampled: 04/30/10 14:15
Sampled By: Client

Received: 05/03/10 10:00
Work Order: C005044

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	05/08/10 14:23	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/08/10 14:23	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	05/08/10 14:23	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	05/08/10 14:23	JKG	
1,1-Dichloroethane [75-34-3] ^	0.050	U	ug/L	1	0.050	1.0	5	EPA 8260B	05/08/10 14:23	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	05/08/10 14:23	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/08/10 14:23	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/08/10 14:23	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	05/08/10 14:23	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	05/08/10 14:23	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/08/10 14:23	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	05/08/10 14:23	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/08/10 14:23	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	05/08/10 14:23	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	05/08/10 14:23	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/08/10 14:23	JKG	
Acetone [67-64-1] ^	**3.3**	J	ug/L	1	1.5	5.0	100	EPA 8260B	05/08/10 14:23	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	05/08/10 14:23	JKG	
Benzene [71-43-2] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	05/08/10 14:23	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	05/08/10 14:23	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/08/10 14:23	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	05/08/10 14:23	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	05/08/10 14:23	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	05/08/10 14:23	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/08/10 14:23	JKG	
Chlorobenzene [108-90-7] ^	0.069	U	ug/L	1	0.069	1.0	3	EPA 8260B	05/08/10 14:23	JKG	
Chloroethane [75-00-3] ^	0.18	U	ug/L	1	0.18	1.0	10	EPA 8260B	05/08/10 14:23	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	05/08/10 14:23	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	05/08/10 14:23	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.075	U	ug/L	1	0.075	1.0	5	EPA 8260B	05/08/10 14:23	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	05/08/10 14:23	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	05/08/10 14:23	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	05/08/10 14:23	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/08/10 14:23	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	05/08/10 14:23	JKG	
Methylene chloride [75-09-2] ^	0.070	U	ug/L	1	0.070	1.0	1	EPA 8260B	05/08/10 14:23	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/08/10 14:23	JKG	
Tetrachloroethene [127-18-4] ^	0.099	U	ug/L	1	0.099	1.0	1	EPA 8260B	05/08/10 14:23	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	05/08/10 14:23	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	05/08/10 14:23	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	05/08/10 14:23	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	05/08/10 14:23	JKG	
Trichloroethene [79-01-6] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	05/08/10 14:23	JKG	

www.encolabs.com

Description: 4112-SW1
Matrix: Surface Water
Project: White Street Landfill Appl (Phase III)

Lab Sample ID: C005044-01
Sampled: 04/30/10 14:15
Sampled By: Client

Received: 05/03/10 10:00
Work Order: C005044

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] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/08/10 14:23	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	05/08/10 14:23	JKG	
Vinyl chloride [75-01-4] ^	0.083	U	ug/L	1	0.083	1.0	1	EPA 8260B	05/08/10 14:23	JKG	
Xylenes (Total) [1330-20-7] ^	0.22	U	ug/L	1	0.22	1.0	5	EPA 8260B	05/08/10 14:23	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*89 %*	*51-122*	*0E07025*	*EPA 8260B*	*05/08/10 14:23*	*JKG*	
Dibromofluoromethane	*50*	*1*	*50.0*	*99 %*	*68-117*	*0E07025*	*EPA 8260B*	*05/08/10 14:23*	*JKG*	
Toluene-d8	*47*	*1*	*50.0*	*94 %*	*69-110*	*0E07025*	*EPA 8260B*	*05/08/10 14:23*	*JKG*	

www.encolabs.com

Description: 4112-SW1
Matrix: Surface Water
Project: White Street Landfill Appl (Phase III)

Lab Sample ID: C005044-01
Sampled: 04/30/10 14:15
Sampled By: Client

Received: 05/03/10 10:00
Work Order: C005044

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	05/10/10 12:35	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	05/06/10 12:28	JDH	
Barium [7440-39-3] ^	**54.5**	J	ug/L	1	1.00	10.0	100	EPA 6010C	05/06/10 12:28	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	05/06/10 12:28	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	05/06/10 12:28	JDH	
Chromium [7440-47-3] ^	**2.56**	J	ug/L	1	1.00	10.0	10	EPA 6010C	05/06/10 12:28	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	05/06/10 12:28	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	05/06/10 12:28	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/06/10 12:28	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	05/06/10 12:28	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	05/10/10 12:35	VLO	
Silver [7440-22-4] ^	**2.04**	J	ug/L	1	1.90	10.0	10	EPA 6010C	05/06/10 12:28	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	05/10/10 12:35	VLO	
Vanadium [7440-62-2] ^	**1.76**	J	ug/L	1	1.40	10.0	25	EPA 6010C	05/06/10 12:28	JDH	
Zinc [7440-66-6] ^	**10.6**		ug/L	1	3.80	10.0	10	EPA 6010C	05/06/10 12:28	JDH	

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

www.encolabs.com

Description: 4112-SW2
Matrix: Surface Water
Project: White Street Landfill Appl (Phase III)

Lab Sample ID: C005044-02
Sampled: 04/30/10 13:10
Sampled By: Client

Received: 05/03/10 10:00
Work Order: C005044

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	05/08/10 14:53	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/08/10 14:53	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	05/08/10 14:53	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	05/08/10 14:53	JKG	
1,1-Dichloroethane [75-34-3] ^	0.050	U	ug/L	1	0.050	1.0	5	EPA 8260B	05/08/10 14:53	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	05/08/10 14:53	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/08/10 14:53	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/08/10 14:53	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	05/08/10 14:53	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	05/08/10 14:53	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/08/10 14:53	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	05/08/10 14:53	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/08/10 14:53	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	05/08/10 14:53	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	05/08/10 14:53	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/08/10 14:53	JKG	
Acetone [67-64-1] ^	**3.0**	J	ug/L	1	1.5	5.0	100	EPA 8260B	05/08/10 14:53	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	05/08/10 14:53	JKG	
Benzene [71-43-2] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	05/08/10 14:53	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	05/08/10 14:53	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/08/10 14:53	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	05/08/10 14:53	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	05/08/10 14:53	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	05/08/10 14:53	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/08/10 14:53	JKG	
Chlorobenzene [108-90-7] ^	0.069	U	ug/L	1	0.069	1.0	3	EPA 8260B	05/08/10 14:53	JKG	
Chloroethane [75-00-3] ^	0.18	U	ug/L	1	0.18	1.0	10	EPA 8260B	05/08/10 14:53	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	05/08/10 14:53	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	05/08/10 14:53	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.075	U	ug/L	1	0.075	1.0	5	EPA 8260B	05/08/10 14:53	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	05/08/10 14:53	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	05/08/10 14:53	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	05/08/10 14:53	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/08/10 14:53	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	05/08/10 14:53	JKG	
Methylene chloride [75-09-2] ^	0.070	U	ug/L	1	0.070	1.0	1	EPA 8260B	05/08/10 14:53	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/08/10 14:53	JKG	
Tetrachloroethene [127-18-4] ^	0.099	U	ug/L	1	0.099	1.0	1	EPA 8260B	05/08/10 14:53	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	05/08/10 14:53	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	05/08/10 14:53	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	05/08/10 14:53	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	05/08/10 14:53	JKG	
Trichloroethene [79-01-6] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	05/08/10 14:53	JKG	
Trichlorofluoromethane [75-69-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/08/10 14:53	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	05/08/10 14:53	JKG	
Vinyl chloride [75-01-4] ^	0.083	U	ug/L	1	0.083	1.0	1	EPA 8260B	05/08/10 14:53	JKG	

www.encolabs.com

Description: 4112-SW2
Matrix: Surface Water
Project: White Street Landfill Appl (Phase III)

Lab Sample ID: C005044-02
Sampled: 04/30/10 13:10
Sampled By: Client

Received: 05/03/10 10:00
Work Order: C005044

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.22	U	ug/L	1	0.22	1.0	5	EPA 8260B	05/08/10 14:53	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*45*	*1*	*50.0*	*90 %*	*51-122*	*0E07025*	*EPA 8260B*	*05/08/10 14:53*	*JKG*	
Dibromofluoromethane	*49*	*1*	*50.0*	*98 %*	*68-117*	*0E07025*	*EPA 8260B*	*05/08/10 14:53*	*JKG*	
Toluene-d8	*47*	*1*	*50.0*	*94 %*	*69-110*	*0E07025*	*EPA 8260B*	*05/08/10 14:53*	*JKG*	

www.encolabs.com

Description: 4112-SW2
Matrix: Surface Water
Project: White Street Landfill Appl (Phase III)

Lab Sample ID: C005044-02
Sampled: 04/30/10 13:10
Sampled By: Client

Received: 05/03/10 10:00
Work Order: C005044

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	05/10/10 12:38	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	05/06/10 12:31	JDH	
Barium [7440-39-3] ^	**48.5**	J	ug/L	1	1.00	10.0	100	EPA 6010C	05/06/10 12:31	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	05/06/10 12:31	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	05/06/10 12:31	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	05/06/10 12:31	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	05/06/10 12:31	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	05/06/10 12:31	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/06/10 12:31	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	05/06/10 12:31	JDH	
Selenium [7782-49-2] ^	**1.72**	J	ug/L	1	0.830	1.00	10	EPA 6020A	05/10/10 12:38	VLO	
Silver [7440-22-4] ^	**2.22**	J	ug/L	1	1.90	10.0	10	EPA 6010C	05/06/10 12:31	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	05/10/10 12:38	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	05/06/10 12:31	JDH	
Zinc [7440-66-6] ^	**6.64**	J	ug/L	1	3.80	10.0	10	EPA 6010C	05/06/10 12:31	JDH	

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

www.encolabs.com

Description: 4112-SW3
Matrix: Surface Water
Project: White Street Landfill Appl (Phase III)

Lab Sample ID: C005044-03
Sampled: 04/30/10 14:50
Sampled By: Client

Received: 05/03/10 10:00
Work Order: C005044

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	05/08/10 15:24	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/08/10 15:24	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	05/08/10 15:24	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	05/08/10 15:24	JKG	
1,1-Dichloroethane [75-34-3] ^	0.050	U	ug/L	1	0.050	1.0	5	EPA 8260B	05/08/10 15:24	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	05/08/10 15:24	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/08/10 15:24	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/08/10 15:24	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	05/08/10 15:24	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	05/08/10 15:24	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/08/10 15:24	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	05/08/10 15:24	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/08/10 15:24	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	05/08/10 15:24	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	05/08/10 15:24	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/08/10 15:24	JKG	
Acetone [67-64-1] ^	**3.5**	J	ug/L	1	1.5	5.0	100	EPA 8260B	05/08/10 15:24	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	05/08/10 15:24	JKG	
Benzene [71-43-2] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	05/08/10 15:24	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	05/08/10 15:24	JKG	
Bromodichloromethane [75-27-4] ^	**0.83**	J	ug/L	1	0.10	1.0	1	EPA 8260B	05/08/10 15:24	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	05/08/10 15:24	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	05/08/10 15:24	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	05/08/10 15:24	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/08/10 15:24	JKG	
Chlorobenzene [108-90-7] ^	0.069	U	ug/L	1	0.069	1.0	3	EPA 8260B	05/08/10 15:24	JKG	
Chloroethane [75-00-3] ^	0.18	U	ug/L	1	0.18	1.0	10	EPA 8260B	05/08/10 15:24	JKG	
Chloroform [67-66-3] ^	**1.8**	J	ug/L	1	0.083	1.0	5	EPA 8260B	05/08/10 15:24	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	05/08/10 15:24	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.075	U	ug/L	1	0.075	1.0	5	EPA 8260B	05/08/10 15:24	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	05/08/10 15:24	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	05/08/10 15:24	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	05/08/10 15:24	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/08/10 15:24	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	05/08/10 15:24	JKG	
Methylene chloride [75-09-2] ^	0.070	U	ug/L	1	0.070	1.0	1	EPA 8260B	05/08/10 15:24	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/08/10 15:24	JKG	
Tetrachloroethene [127-18-4] ^	0.099	U	ug/L	1	0.099	1.0	1	EPA 8260B	05/08/10 15:24	JKG	
Toluene [108-88-3] ^	**0.43**	J	ug/L	1	0.053	1.0	1	EPA 8260B	05/08/10 15:24	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	05/08/10 15:24	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	05/08/10 15:24	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	05/08/10 15:24	JKG	
Trichloroethene [79-01-6] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	05/08/10 15:24	JKG	
Trichlorofluoromethane [75-69-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/08/10 15:24	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	05/08/10 15:24	JKG	
Vinyl chloride [75-01-4] ^	0.083	U	ug/L	1	0.083	1.0	1	EPA 8260B	05/08/10 15:24	JKG	

www.encolabs.com

Description: 4112-SW3
Matrix: Surface Water
Project: White Street Landfill AppI (Phase III)

Lab Sample ID: C005044-03
Sampled: 04/30/10 14:50
Sampled By: Client

Received: 05/03/10 10:00
Work Order: C005044

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.22	U	ug/L	1	0.22	1.0	5	EPA 8260B	05/08/10 15:24	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*46*	*1*	*50.0*	*92 %*	*51-122*	*0E07025*	*EPA 8260B*	*05/08/10 15:24*	*JKG*	
Dibromofluoromethane	*50*	*1*	*50.0*	*100 %*	*68-117*	*0E07025*	*EPA 8260B*	*05/08/10 15:24*	*JKG*	
Toluene-d8	*47*	*1*	*50.0*	*93 %*	*69-110*	*0E07025*	*EPA 8260B*	*05/08/10 15:24*	*JKG*	

www.encolabs.com

Description: 4112-SW3
Matrix: Surface Water
Project: White Street Landfill Appl (Phase III)

Lab Sample ID: C005044-03
Sampled: 04/30/10 14:50
Sampled By: Client

Received: 05/03/10 10:00
Work Order: C005044

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] ^	**0.272**	J	ug/L	1	0.220	2.00	6	EPA 6020A	05/10/10 12:42	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	05/06/10 12:33	JDH	
Barium [7440-39-3] ^	**30.9**	J	ug/L	1	1.00	10.0	100	EPA 6010C	05/06/10 12:33	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	05/06/10 12:33	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	05/06/10 12:33	JDH	
Chromium [7440-47-3] ^	**1.14**	J	ug/L	1	1.00	10.0	10	EPA 6010C	05/06/10 12:33	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	05/06/10 12:33	JDH	
Copper [7440-50-8] ^	**5.90**	J	ug/L	1	1.60	10.0	10	EPA 6010C	05/06/10 12:33	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/06/10 12:33	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	05/06/10 12:33	JDH	
Selenium [7782-49-2] ^	**0.900**	J	ug/L	1	0.830	1.00	10	EPA 6020A	05/10/10 12:42	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/06/10 12:33	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	05/10/10 12:42	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	05/06/10 12:33	JDH	
Zinc [7440-66-6] ^	**48.1**		ug/L	1	3.80	10.0	10	EPA 6010C	05/06/10 12:33	JDH	

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

www.encolabs.com

Description: 4112-SW4
Matrix: Surface Water
Project: White Street Landfill Appl (Phase III)

Lab Sample ID: C005044-04
Sampled: 04/30/10 13:35
Sampled By: Client

Received: 05/03/10 10:00
Work Order: C005044

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	05/09/10 23:29	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/09/10 23:29	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	05/09/10 23:29	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	05/09/10 23:29	JKG	
1,1-Dichloroethane [75-34-3] ^	0.050	U	ug/L	1	0.050	1.0	5	EPA 8260B	05/09/10 23:29	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	05/09/10 23:29	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/09/10 23:29	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/09/10 23:29	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	05/09/10 23:29	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	05/09/10 23:29	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/09/10 23:29	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	05/09/10 23:29	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/09/10 23:29	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	05/09/10 23:29	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	05/09/10 23:29	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/09/10 23:29	JKG	
Acetone [67-64-1] ^	**4.6**	J	ug/L	1	1.5	5.0	100	EPA 8260B	05/09/10 23:29	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	05/09/10 23:29	JKG	
Benzene [71-43-2] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	05/09/10 23:29	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	05/09/10 23:29	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/09/10 23:29	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	05/09/10 23:29	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	05/09/10 23:29	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	05/09/10 23:29	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/09/10 23:29	JKG	
Chlorobenzene [108-90-7] ^	0.069	U	ug/L	1	0.069	1.0	3	EPA 8260B	05/09/10 23:29	JKG	
Chloroethane [75-00-3] ^	0.18	U	ug/L	1	0.18	1.0	10	EPA 8260B	05/09/10 23:29	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	05/09/10 23:29	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	05/09/10 23:29	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.075	U	ug/L	1	0.075	1.0	5	EPA 8260B	05/09/10 23:29	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	05/09/10 23:29	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	05/09/10 23:29	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	05/09/10 23:29	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/09/10 23:29	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	05/09/10 23:29	JKG	
Methylene chloride [75-09-2] ^	0.070	U	ug/L	1	0.070	1.0	1	EPA 8260B	05/09/10 23:29	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/09/10 23:29	JKG	
Tetrachloroethene [127-18-4] ^	0.099	U	ug/L	1	0.099	1.0	1	EPA 8260B	05/09/10 23:29	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	05/09/10 23:29	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	05/09/10 23:29	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	05/09/10 23:29	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	05/09/10 23:29	JKG	
Trichloroethene [79-01-6] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	05/09/10 23:29	JKG	
Trichlorofluoromethane [75-69-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/09/10 23:29	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	05/09/10 23:29	JKG	
Vinyl chloride [75-01-4] ^	0.083	U	ug/L	1	0.083	1.0	1	EPA 8260B	05/09/10 23:29	JKG	

www.encolabs.com

Description: 4112-SW4
Matrix: Surface Water
Project: White Street Landfill Appl (Phase III)

Lab Sample ID: C005044-04
Sampled: 04/30/10 13:35
Sampled By: Client

Received: 05/03/10 10:00
Work Order: C005044

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.22	U	ug/L	1	0.22	1.0	5	EPA 8260B	05/09/10 23:29	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*46*	*1*	*50.0*	*92 %*	*51-122*	*0E07019*	*EPA 8260B*	*05/09/10 23:29*	*JKG*	
Dibromofluoromethane	*46*	*1*	*50.0*	*92 %*	*68-117*	*0E07019*	*EPA 8260B*	*05/09/10 23:29*	*JKG*	
Toluene-d8	*46*	*1*	*50.0*	*91 %*	*69-110*	*0E07019*	*EPA 8260B*	*05/09/10 23:29*	*JKG*	

www.encolabs.com

Description: 4112-SW4
Matrix: Surface Water
Project: White Street Landfill Appl (Phase III)

Lab Sample ID: C005044-04
Sampled: 04/30/10 13:35
Sampled By: Client

Received: 05/03/10 10:00
Work Order: C005044

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] ^	**0.225**	J	ug/L	1	0.220	2.00	6	EPA 6020A	05/10/10 12:45	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	05/06/10 12:36	JDH	
Barium [7440-39-3] ^	**37.1**	J	ug/L	1	1.00	10.0	100	EPA 6010C	05/06/10 12:36	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	05/06/10 12:36	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	05/06/10 12:36	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	05/06/10 12:36	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	05/06/10 12:36	JDH	
Copper [7440-50-8] ^	**3.30**	J	ug/L	1	1.60	10.0	10	EPA 6010C	05/06/10 12:36	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/06/10 12:36	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	05/06/10 12:36	JDH	
Selenium [7782-49-2] ^	**0.974**	J	ug/L	1	0.830	1.00	10	EPA 6020A	05/10/10 12:45	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/06/10 12:36	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	05/10/10 12:45	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	05/06/10 12:36	JDH	
Zinc [7440-66-6] ^	**34.0**		ug/L	1	3.80	10.0	10	EPA 6010C	05/06/10 12:36	JDH	

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

www.encolabs.com

Description: 4112-SW5
Matrix: Surface Water
Project: White Street Landfill Appl (Phase III)

Lab Sample ID: C005044-05
Sampled: 04/30/10 12:30
Sampled By: Client

Received: 05/03/10 10:00
Work Order: C005044

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	05/09/10 23:57	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/09/10 23:57	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	05/09/10 23:57	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	05/09/10 23:57	JKG	
1,1-Dichloroethane [75-34-3] ^	0.050	U	ug/L	1	0.050	1.0	5	EPA 8260B	05/09/10 23:57	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	05/09/10 23:57	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/09/10 23:57	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	05/09/10 23:57	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	05/09/10 23:57	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	05/09/10 23:57	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/09/10 23:57	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	05/09/10 23:57	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/09/10 23:57	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	05/09/10 23:57	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	05/09/10 23:57	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	05/09/10 23:57	JKG	
Acetone [67-64-1] ^	**4.1**	J	ug/L	1	1.5	5.0	100	EPA 8260B	05/09/10 23:57	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	05/09/10 23:57	JKG	
Benzene [71-43-2] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	05/09/10 23:57	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	05/09/10 23:57	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/09/10 23:57	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	05/09/10 23:57	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	05/09/10 23:57	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	05/09/10 23:57	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/09/10 23:57	JKG	
Chlorobenzene [108-90-7] ^	0.069	U	ug/L	1	0.069	1.0	3	EPA 8260B	05/09/10 23:57	JKG	
Chloroethane [75-00-3] ^	0.18	U	ug/L	1	0.18	1.0	10	EPA 8260B	05/09/10 23:57	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	05/09/10 23:57	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	05/09/10 23:57	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.075	U	ug/L	1	0.075	1.0	5	EPA 8260B	05/09/10 23:57	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	05/09/10 23:57	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	05/09/10 23:57	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	05/09/10 23:57	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	05/09/10 23:57	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	05/09/10 23:57	JKG	
Methylene chloride [75-09-2] ^	0.070	U	ug/L	1	0.070	1.0	1	EPA 8260B	05/09/10 23:57	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	05/09/10 23:57	JKG	
Tetrachloroethene [127-18-4] ^	0.099	U	ug/L	1	0.099	1.0	1	EPA 8260B	05/09/10 23:57	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	05/09/10 23:57	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	05/09/10 23:57	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	05/09/10 23:57	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	05/09/10 23:57	JKG	
Trichloroethene [79-01-6] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	05/09/10 23:57	JKG	
Trichlorofluoromethane [75-69-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	05/09/10 23:57	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	05/09/10 23:57	JKG	
Vinyl chloride [75-01-4] ^	0.083	U	ug/L	1	0.083	1.0	1	EPA 8260B	05/09/10 23:57	JKG	

www.encolabs.com

Description: 4112-SW5
Matrix: Surface Water
Project: White Street Landfill Appl (Phase III)

Lab Sample ID: C005044-05
Sampled: 04/30/10 12:30
Sampled By: Client

Received: 05/03/10 10:00
Work Order: C005044

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.22	U	ug/L	1	0.22	1.0	5	EPA 8260B	05/09/10 23:57	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*46*	*1*	*50.0*	*91 %*	*51-122*	*0E07019*	*EPA 8260B*	*05/09/10 23:57*	*JKG*	
Dibromofluoromethane	*47*	*1*	*50.0*	*94 %*	*68-117*	*0E07019*	*EPA 8260B*	*05/09/10 23:57*	*JKG*	
Toluene-d8	*46*	*1*	*50.0*	*92 %*	*69-110*	*0E07019*	*EPA 8260B*	*05/09/10 23:57*	*JKG*	

www.encolabs.com

Description: 4112-SW5
Matrix: Surface Water
Project: White Street Landfill Appl (Phase III)

Lab Sample ID: C005044-05
Sampled: 04/30/10 12:30
Sampled By: Client

Received: 05/03/10 10:00
Work Order: C005044

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] ^	**0.258**	J	ug/L	1	0.220	2.00	6	EPA 6020A	05/10/10 12:49	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	05/06/10 12:46	JDH	
Barium [7440-39-3] ^	**44.2**	J	ug/L	1	1.00	10.0	100	EPA 6010C	05/06/10 12:46	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	05/06/10 12:46	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	05/06/10 12:46	JDH	
Chromium [7440-47-3] ^	**1.95**	J	ug/L	1	1.00	10.0	10	EPA 6010C	05/06/10 12:46	JDH	
Cobalt [7440-48-4] ^	**1.98**	J	ug/L	1	1.10	10.0	10	EPA 6010C	05/06/10 12:46	JDH	
Copper [7440-50-8] ^	**6.33**	J	ug/L	1	1.60	10.0	10	EPA 6010C	05/06/10 12:46	JDH	
Lead [7439-92-1] ^	**2.04**	J	ug/L	1	1.90	10.0	10	EPA 6010C	05/06/10 12:46	JDH	
Nickel [7440-02-0] ^	**2.14**	J	ug/L	1	1.80	10.0	50	EPA 6010C	05/06/10 12:46	JDH	
Selenium [7782-49-2] ^	**1.23**	J	ug/L	1	0.830	1.00	10	EPA 6020A	05/10/10 12:49	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	05/06/10 12:46	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	05/10/10 12:49	VLO	
Vanadium [7440-62-2] ^	**3.45**	J	ug/L	1	1.40	10.0	25	EPA 6010C	05/06/10 12:46	JDH	
Zinc [7440-66-6] ^	**54.2**		ug/L	1	3.80	10.0	10	EPA 6010C	05/06/10 12:46	JDH	

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

www.encolabs.com

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0E07019 - EPA 5030B_MS

Blank (0E07019-BLK1) Prepared: 05/07/2010 10:31 Analyzed: 05/09/2010 21:35

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.091	U	1.0	ug/L							
1,1,1-Trichloroethane	0.15	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.085	U	1.0	ug/L							
1,1,2-Trichloroethane	0.068	U	1.0	ug/L							
1,1-Dichloroethane	0.050	U	1.0	ug/L							
1,1-Dichloroethene	0.15	U	1.0	ug/L							
1,2,3-Trichloropropane	0.15	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.42	U	1.0	ug/L							
1,2-Dichlorobenzene	0.052	U	1.0	ug/L							
1,2-Dichloroethane	0.082	U	1.0	ug/L							
1,2-Dichloropropane	0.098	U	1.0	ug/L							
1,4-Dichlorobenzene	0.10	U	1.0	ug/L							
2-Butanone	1.0	U	5.0	ug/L							
2-Hexanone	0.69	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.5	U	5.0	ug/L							
Acrylonitrile	2.1	U	10	ug/L							
Benzene	0.050	U	1.0	ug/L							
Bromochloromethane	0.11	U	1.0	ug/L							
Bromodichloromethane	0.10	U	1.0	ug/L							
Bromoform	0.20	U	1.0	ug/L							
Bromomethane	0.28	U	1.0	ug/L							
Carbon disulfide	0.54	U	5.0	ug/L							
Carbon tetrachloride	0.082	U	1.0	ug/L							
Chlorobenzene	0.069	U	1.0	ug/L							
Chloroethane	0.18	U	1.0	ug/L							
Chloroform	0.083	U	1.0	ug/L							
Chloromethane	0.050	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.075	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.073	U	1.0	ug/L							
Dibromochloromethane	0.067	U	1.0	ug/L							
Dibromomethane	0.13	U	1.0	ug/L							
Ethylbenzene	0.10	U	1.0	ug/L							
Iodomethane	0.52	U	5.0	ug/L							
Methylene chloride	0.070	U	1.0	ug/L							
Styrene	0.082	U	1.0	ug/L							
Tetrachloroethene	0.099	U	1.0	ug/L							
Toluene	0.053	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.11	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.080	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.54	U	1.0	ug/L							
Trichloroethene	0.13	U	1.0	ug/L							
Trichlorofluoromethane	0.15	U	1.0	ug/L							
Vinyl acetate	0.98	U	5.0	ug/L							
Vinyl chloride	0.083	U	1.0	ug/L							
Xylenes (Total)	0.22	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*46*			*ug/L*	*50.0*		*91*	*51-122*			

www.encolabs.com

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0E07019 - EPA 5030B_MS

Blank (0E07019-BLK1) Continued Prepared: 05/07/2010 10:31 Analyzed: 05/09/2010 21:35

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Dibromofluoromethane	*47*			*ug/L*	*50.0*		*95*	*68-117*			
Surrogate: Toluene-d8	*46*			*ug/L*	*50.0*		*92*	*69-110*			

LCS (0E07019-BS1) Prepared: 05/07/2010 10:31 Analyzed: 05/09/2010 22:04

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		90	75-133			
Benzene	19		1.0	ug/L	20.0		94	81-134			
Chlorobenzene	18		1.0	ug/L	20.0		91	83-117			
Toluene	19		1.0	ug/L	20.0		97	71-118			
Trichloroethene	17		1.0	ug/L	20.0		87	75-115			

Matrix Spike (0E07019-MS1) Prepared: 05/07/2010 10:31 Analyzed: 05/09/2010 22:32

Source: C004834-01

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	0.15 U	103	75-133			
Benzene	20		1.0	ug/L	20.0	0.050 U	102	81-134			
Chlorobenzene	19		1.0	ug/L	20.0	0.069 U	96	83-117			
Toluene	21		1.0	ug/L	20.0	0.053 U	103	71-118			
Trichloroethene	20		1.0	ug/L	20.0	0.41	96	75-115			

Matrix Spike Dup (0E07019-MSD1) Prepared: 05/07/2010 10:31 Analyzed: 05/09/2010 23:01

Source: C004834-01

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	0.15 U	101	75-133	2	20	
Benzene	20		1.0	ug/L	20.0	0.050 U	100	81-134	2	17	
Chlorobenzene	19		1.0	ug/L	20.0	0.069 U	93	83-117	3	16	
Toluene	20		1.0	ug/L	20.0	0.053 U	101	71-118	2	17	
Trichloroethene	19		1.0	ug/L	20.0	0.41	95	75-115	2	18	

Batch 0E07025 - EPA 5030B_MS

Blank (0E07025-BLK1) Prepared: 05/07/2010 12:16 Analyzed: 05/08/2010 05:09

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.091	U	1.0	ug/L							
1,1,1-Trichloroethane	0.15	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.085	U	1.0	ug/L							
1,1,2-Trichloroethane	0.068	U	1.0	ug/L							
1,1-Dichloroethane	0.050	U	1.0	ug/L							
1,1-Dichloroethene	0.15	U	1.0	ug/L							
1,2,3-Trichloropropane	0.15	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.42	U	1.0	ug/L							
1,2-Dichlorobenzene	0.052	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0E07025 - EPA 5030B_MS

Blank (0E07025-BLK1) Continued Prepared: 05/07/2010 12:16 Analyzed: 05/08/2010 05:09

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dichloroethane	0.082	U	1.0	ug/L							
1,2-Dichloropropane	0.098	U	1.0	ug/L							
1,4-Dichlorobenzene	0.10	U	1.0	ug/L							
2-Butanone	1.0	U	5.0	ug/L							
2-Hexanone	0.69	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.5	U	5.0	ug/L							
Acrylonitrile	2.1	U	10	ug/L							
Benzene	0.050	U	1.0	ug/L							
Bromochloromethane	0.11	U	1.0	ug/L							
Bromodichloromethane	0.10	U	1.0	ug/L							
Bromoform	0.20	U	1.0	ug/L							
Bromomethane	0.28	U	1.0	ug/L							
Carbon disulfide	0.54	U	5.0	ug/L							
Carbon tetrachloride	0.082	U	1.0	ug/L							
Chlorobenzene	0.069	U	1.0	ug/L							
Chloroethane	0.18	U	1.0	ug/L							
Chloroform	0.083	U	1.0	ug/L							
Chloromethane	0.050	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.075	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.073	U	1.0	ug/L							
Dibromochloromethane	0.067	U	1.0	ug/L							
Dibromomethane	0.13	U	1.0	ug/L							
Ethylbenzene	0.10	U	1.0	ug/L							
Iodomethane	0.52	U	5.0	ug/L							
Methylene chloride	0.070	U	1.0	ug/L							
Styrene	0.082	U	1.0	ug/L							
Tetrachloroethene	0.099	U	1.0	ug/L							
Toluene	0.053	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.11	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.080	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.54	U	1.0	ug/L							
Trichloroethene	0.13	U	1.0	ug/L							
Trichlorofluoromethane	0.15	U	1.0	ug/L							
Vinyl acetate	0.98	U	5.0	ug/L							
Vinyl chloride	0.083	U	1.0	ug/L							
Xylenes (Total)	0.22	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*46*			*ug/L*	*50.0*		*92*	*51-122*			
Surrogate: Dibromofluoromethane	*47*			*ug/L*	*50.0*		*95*	*68-117*			
Surrogate: Toluene-d8	*46*			*ug/L*	*50.0*		*93*	*69-110*			

LCS (0E07025-BS1) Prepared: 05/07/2010 12:16 Analyzed: 05/08/2010 05:38

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	17		1.0	ug/L	20.0		84	75-133			
Benzene	18		1.0	ug/L	20.0		92	81-134			
Chlorobenzene	18		1.0	ug/L	20.0		90	83-117			
Toluene	19		1.0	ug/L	20.0		95	71-118			

www.encolabs.com

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0E07025 - EPA 5030B_MS

LCS (0E07025-BS1) Continued Prepared: 05/07/2010 12:16 Analyzed: 05/08/2010 05:38

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Trichloroethene	18		1.0	ug/L	20.0		89	75-115			

Matrix Spike (0E07025-MS1) Prepared: 05/07/2010 12:16 Analyzed: 05/08/2010 06:06

Source: C005247-03

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	0.15 U	90	75-133			
Benzene	19		1.0	ug/L	20.0	0.050 U	93	81-134			
Chlorobenzene	18		1.0	ug/L	20.0	0.069 U	91	83-117			
Toluene	19		1.0	ug/L	20.0	0.053 U	95	71-118			
Trichloroethene	17		1.0	ug/L	20.0	0.13 U	85	75-115			

Matrix Spike Dup (0E07025-MSD1) Prepared: 05/07/2010 12:16 Analyzed: 05/08/2010 06:35

Source: C005247-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0	0.15 U	94	75-133	5	20	
Benzene	19		1.0	ug/L	20.0	0.050 U	95	81-134	2	17	
Chlorobenzene	18		1.0	ug/L	20.0	0.069 U	92	83-117	1	16	
Toluene	20		1.0	ug/L	20.0	0.053 U	100	71-118	6	17	
Trichloroethene	18		1.0	ug/L	20.0	0.13 U	91	75-115	7	18	

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

Batch 0E04013 - EPA 3005A

Blank (0E04013-BLK1) Prepared: 05/04/2010 09:43 Analyzed: 05/06/2010 11:20

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 (0E04013-BS1) Prepared: 05/04/2010 09:43 Analyzed: 05/06/2010 11:24

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1050		10.0	ug/L	1000		105	80-120			
Barium	1030		10.0	ug/L	1000		103	80-120			
Beryllium	527		1.00	ug/L	500		105	80-120			

www.encolabs.com

QUALITY CONTROL

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

Batch 0E04013 - EPA 3005A

LCS (0E04013-BS1) Continued

Prepared: 05/04/2010 09:43 Analyzed: 05/06/2010 11:24

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cadmium	520		1.00	ug/L	500		104	80-120			
Chromium	1030		10.0	ug/L	1000		103	80-120			
Cobalt	1020		10.0	ug/L	1000		102	80-120			
Copper	525		10.0	ug/L	500		105	80-120			
Lead	1050		10.0	ug/L	1000		105	80-120			
Nickel	1020		10.0	ug/L	1000		102	80-120			
Silver	99.8		10.0	ug/L	100		100	80-120			
Vanadium	509		10.0	ug/L	500		102	80-120			
Zinc	1040		10.0	ug/L	1000		104	80-120			

Matrix Spike (0E04013-MS1)

Prepared: 05/04/2010 09:43 Analyzed: 05/06/2010 11:33

Source: C004797-05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1050		10.0	ug/L	1000	2.80 U	105	75-125			
Barium	1060		10.0	ug/L	1000	15.4	104	75-125			
Beryllium	531		1.00	ug/L	500	0.100 U	106	75-125			
Cadmium	520		1.00	ug/L	500	0.360 U	104	75-125			
Chromium	1040		10.0	ug/L	1000	1.00 U	104	75-125			
Cobalt	1020		10.0	ug/L	1000	1.10 U	102	75-125			
Copper	530		10.0	ug/L	500	1.60 U	106	75-125			
Lead	1050		10.0	ug/L	1000	1.90 U	105	75-125			
Nickel	1030		10.0	ug/L	1000	1.80 U	103	75-125			
Silver	100		10.0	ug/L	100	1.90 U	100	75-125			
Vanadium	510		10.0	ug/L	500	1.40 U	102	75-125			
Zinc	1050		10.0	ug/L	1000	7.52	104	75-125			

Matrix Spike Dup (0E04013-MSD1)

Prepared: 05/04/2010 09:43 Analyzed: 05/06/2010 11:35

Source: C004797-05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1060		10.0	ug/L	1000	2.80 U	106	75-125	0.4	20	
Barium	1050		10.0	ug/L	1000	15.4	104	75-125	0.2	20	
Beryllium	535		1.00	ug/L	500	0.100 U	107	75-125	0.7	20	
Cadmium	518		1.00	ug/L	500	0.360 U	104	75-125	0.4	20	
Chromium	1040		10.0	ug/L	1000	1.00 U	104	75-125	0.04	20	
Cobalt	1020		10.0	ug/L	1000	1.10 U	102	75-125	0.02	20	
Copper	528		10.0	ug/L	500	1.60 U	106	75-125	0.3	20	
Lead	1050		10.0	ug/L	1000	1.90 U	105	75-125	0.2	20	
Nickel	1020		10.0	ug/L	1000	1.80 U	102	75-125	0.2	20	
Silver	100		10.0	ug/L	100	1.90 U	100	75-125	0.08	20	
Vanadium	512		10.0	ug/L	500	1.40 U	102	75-125	0.4	20	
Zinc	1050		10.0	ug/L	1000	7.52	104	75-125	0.1	20	

Post Spike (0E04013-PS1)

Prepared: 05/04/2010 09:43 Analyzed: 05/06/2010 11:38

Source: C004797-05

www.encolabs.com

QUALITY CONTROL

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

Batch 0E04013 - EPA 3005A

Post Spike (0E04013-PS1) Continued Prepared: 05/04/2010 09:43 Analyzed: 05/06/2010 11:38

Source: C004797-05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1.08		0.0100	mg/L	1.00	-0.00192	108	80-120			
Barium	1.09		0.0100	mg/L	1.00	0.0154	108	80-120			
Beryllium	0.548		0.00100	mg/L	0.500	4.44E-5	110	80-120			
Cadmium	0.535		0.00100	mg/L	0.500	0.000165	107	80-120			
Chromium	1.07		0.0100	mg/L	1.00	0.000136	107	80-120			
Cobalt	1.06		0.0100	mg/L	1.00	0.000700	106	80-120			
Copper	0.547		0.0100	mg/L	0.500	-0.000739	110	80-120			
Lead	1.07		0.0100	mg/L	1.00	0.00165	107	80-120			
Nickel	1.06		0.0100	mg/L	1.00	-0.00102	106	80-120			
Silver	0.0995		0.0100	mg/L	0.100	0.00184	98	80-120			
Vanadium	0.527		0.0100	mg/L	0.500	0.000210	105	80-120			
Zinc	1.08		0.0100	mg/L	1.00	0.00752	107	80-120			

Batch 0E04015 - EPA 3005A

Blank (0E04015-BLK1) Prepared: 05/04/2010 09:48 Analyzed: 05/10/2010 11:01

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 (0E04015-BS1) Prepared: 05/04/2010 09:48 Analyzed: 05/10/2010 11:09

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	25.8		2.00	ug/L	25.0		103	80-120			
Selenium	28.4		1.00	ug/L	25.0		114	80-120			
Thallium	26.4		1.00	ug/L	25.0		105	80-120			

Matrix Spike (0E04015-MS1) Prepared: 05/04/2010 09:48 Analyzed: 05/10/2010 11:17

Source: C003795-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	26.0		2.00	ug/L	25.0	0.220 U	104	75-125			
Selenium	29.1		1.00	ug/L	25.0	1.20	112	75-125			
Thallium	26.4		1.00	ug/L	25.0	0.110 U	105	75-125			

Matrix Spike Dup (0E04015-MSD1) Prepared: 05/04/2010 09:48 Analyzed: 05/10/2010 11:29

Source: C003795-04

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	75-125	0.7	20	
Selenium	29.8		1.00	ug/L	25.0	1.20	115	75-125	2	20	
Thallium	26.8		1.00	ug/L	25.0	0.110 U	107	75-125	2	20	

Post Spike (0E04015-PS1) Prepared: 05/04/2010 09:48 Analyzed: 05/10/2010 11:33

QUALITY CONTROL

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

Batch 0E04015 - EPA 3005A

Post Spike (0E04015-PS1) Continued Prepared: 05/04/2010 09:48 Analyzed: 05/10/2010 11:33

Source: C003795-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	26.7		2.00	ug/L	25.0	0.0540	107	80-120			
Selenium	29.9		1.00	ug/L	25.0	1.20	115	80-120			
Thallium	27.0		1.00	ug/L	25.0	-0.342	110	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) 859-8945

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

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

Page 2 of 2

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

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

Requested Turnaround Times

Note: Rush requests subject to acceptance by the facility

___ Standard

___ Expedited

Due ___/___/___

Lab Workorder: ~~C004713~~

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
	4112-SW1	4-30	14:15	G	SW	4	X	X									C005044
	4112-SW2	4-30	13:10	G	SW	4	X	X									
	4112-SW3	4-30	14:50	G	SW	4	X	X									
	4112-SW4	4-30	13:35	G	SW	4	X	X									
	4112-SW5	4-30	12:30	G	SW	4	X	X									
	4112-DUPLICATEIII	4-28	07:00	G	WA	4	X	X									
	4112-TripBlank#3				WA	2	X										

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
BJG	4/22/10			Briana Gregory	5/3/10 10:00
Comments		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time

Cooler #'s & Temps on Receipt: 40 - 1.430 Red

Condition Upon Receipt: X Acceptable ___ Unacceptable

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

Preservation: Hce 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

www.encolabs.com

APPENDIX III

Descriptive Statistics

Basic Statistics

Parameter: 1,1-Dichloroethane
Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Measurements	484
Total Non-Detects	356 (73.5537%)
Pooled Mean	9.21554
Pooled Std Dev	25.3431
Compliance Meas.	412
Compliance Mean	9.95223
Compliance Std Dev	27.4067
Background Meas.	72
Background Mean	5
Background Std Dev	0

Background Locations
There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	37	37	100	185
MW-14	35	35	100	175

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-13	5	0	0	6604.5	178.5
MW-14	5	0	0	6247.5	178.5

Compliance Locations
There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
II-1	39	27	69.2308	346.6
II-2	39	18	46.1538	354.8
II-3	39	27	69.2308	245.9
II-4	38	32	84.2105	172.1
II-5	38	11	28.9474	311.43
II-8	37	26	70.2703	166.69
I-5	36	30	83.3333	223.1
II-6	35	35	100	175
II-7	36	11	30.5556	1726.72
II-7B	23	16	69.5652	97.98
II-10	13	13	100	65
II-11	13	13	100	65
II-12	13	13	100	65
II-9	13	12	92.3077	85

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	**Rank Mean**
II-1	8.88718	15.609	3.88718	4.60034	9759.5	250.244
II-2	9.09744	4.81257	4.09744	4.60034	12488	320.205
II-3	6.30513	2.72377	1.30513	4.60034	9887.5	253.526
II-4	4.52895	1.11765	-0.471053	4.63944	7976	209.895
II-5	8.19553	5.10064	3.19553	4.63944	13346.5	351.224
II-8	4.50514	1.67948	-0.494865	4.68029	8836	238.811
I-5	6.19722	3.20647	1.19722	4.72304	7999	222.194
II-6	5	0	0	4.76781	6247.5	178.5
II-7	47.9644	82.5036	42.9644	4.72304	12912.5	358.681
II-7B	4.26	1.56463	-0.74	5.5419	5492	238.783
II-10	5	0	0	6.97266	2320.5	178.5
II-11	5	0	0	6.97266	2320.5	178.5
II-12	5	0	0	6.97266	2320.5	178.5
II-9	6.53846	5.547	1.53846	6.97266	2612	200.923

Analysis of Variance Statistics

SS Wells	59663.9
SS Total	310217

Kruskal-Wallis Statistics

Non-Detect Rank	178.5
Background Rank Sum	12852
Background Rank Mean	178.5
H Statistic	94.7891
H Adjusted for Ties	157.44

Basic Statistics

Parameter: 1,4-Dichlorobenzene
Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Measurements	484
Total Non-Detects	444 (91.7355%)
Pooled Mean	5.11709
Pooled Std Dev	3.43768
Compliance Meas.	412
Compliance Mean	5.13755
Compliance Std Dev	3.72626
Background Meas.	72
Background Mean	5
Background Std Dev	0

Background Locations
There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	37	37	100	185
MW-14	35	35	100	175

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-13	5	0	0	8232.5	222.5
MW-14	5	0	0	7787.5	222.5

Compliance Locations
There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
II-1	39	25	64.1026	203.6
II-2	39	37	94.8718	186.28
II-3	39	39	100	195
II-4	38	38	100	190
II-5	38	38	100	190
II-8	37	33	89.1892	167.76
I-5	36	29	80.5556	251.8
II-6	35	24	68.5714	180.1
II-7	36	34	94.4444	177.13
II-7B	23	23	100	115
II-10	13	13	100	65
II-11	13	13	100	65
II-12	13	13	100	65
II-9	13	13	100	65

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	**Rank Mean**
II-1	5.22051	1.12838	0.220513	0.685202	12116.5	310.679
II-2	4.77641	0.974292	-0.22359	0.685202	9129.5	234.09
II-3	5	0	0	0.685202	8677.5	222.5
II-4	5	0	0	0.691025	8455	222.5
II-5	5	0	0	0.691025	8455	222.5
II-8	4.53405	1.35752	-0.465946	0.697111	9136.5	246.932
I-5	6.99444	12.3656	1.99444	0.703477	9721.5	270.042
II-6	5.14571	0.99361	0.145714	0.710145	10486	299.6
II-7	4.92028	0.798429	-0.0797222	0.703477	8485	235.694
II-7B	5	0	0	0.825443	5117.5	222.5
II-10	5	0	0	1.03855	2892.5	222.5
II-11	5	0	0	1.03855	2892.5	222.5
II-12	5	0	0	1.03855	2892.5	222.5
II-9	5	0	0	1.03855	2892.5	222.5

Analysis of Variance Statistics

SS Wells	149.417
SS Total	5707.91

Kruskal-Wallis Statistics

Non-Detect Rank	222.5
Background Rank Sum	16020
Background Rank Mean	222.5
H Statistic	22.118
H Adjusted for Ties	97.0049

Basic Statistics

Parameter: Benzene

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements	484
Total Non-Detects	456 (94.2149%)
Pooled Mean	4.90388
Pooled Std Dev	0.902946
Compliance Meas.	412
Compliance Mean	4.88709
Compliance Std Dev	0.977874
Background Meas.	72
Background Mean	5
Background Std Dev	0

Background Locations

There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	37	37	100	185
MW-14	35	35	100	175

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-13	5	0	0	8454.5	228.5
MW-14	5	0	0	7997.5	228.5

Compliance Locations

There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
II-1	39	33	84.6154	181.2
II-2	39	33	84.6154	174.3
II-3	39	36	92.3077	182.02
II-4	38	38	100	190
II-5	38	38	100	190
II-8	37	37	100	185
I-5	36	36	100	180
II-6	35	30	85.7143	163.2
II-7	36	28	77.7778	192.76
II-7B	23	23	100	115
II-10	13	13	100	65
II-11	13	13	100	65
II-12	13	13	100	65
II-9	13	13	100	65

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	**Rank Mean**
II-1	4.64615	1.25023	-0.353846	0.176682	10349.5	265.372
II-2	4.46923	1.26474	-0.530769	0.176682	10355.5	265.526
II-3	4.66718	1.16845	-0.332821	0.176682	9607	246.333
II-4	5	0	0	0.178183	8683	228.5
II-5	5	0	0	0.178183	8683	228.5
II-8	5	0	0	0.179752	8454.5	228.5
I-5	5	0	0	0.181394	8226	228.5
II-6	4.66286	0.987595	-0.337143	0.183113	9220	263.429
II-7	5.35444	2.16698	0.354444	0.181394	10202	283.389
II-7B	5	0	0	0.212843	5255.5	228.5
II-10	5	0	0	0.267794	2970.5	228.5
II-11	5	0	0	0.267794	2970.5	228.5
II-12	5	0	0	0.267794	2970.5	228.5
II-9	5	0	0	0.267794	2970.5	228.5

Analysis of Variance Statistics

SS Wells	24.2197
SS Total	393.795

Kruskal-Wallis Statistics

Non-Detect Rank	228.5
Background Rank Sum	16452
Background Rank Mean	228.5
H Statistic	8.9556
H Adjusted for Ties	54.7049

Basic Statistics

Parameter: Chlorobenzene
Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Measurements	484
Total Non-Detects	465 (96.0744%)
Pooled Mean	4.88378
Pooled Std Dev	0.639645
Compliance Meas.	412
Compliance Mean	4.86347
Compliance Std Dev	0.691406
Background Meas.	72
Background Mean	5
Background Std Dev	0

Background Locations
There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	37	37	100	185
MW-14	35	35	100	175

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-13	5	0	0	8621	233
MW-14	5	0	0	8155	233

Compliance Locations
There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
II-1	39	35	89.7436	182.9
II-2	39	34	87.1795	172.95
II-3	39	39	100	195
II-4	38	37	97.3684	185.4
II-5	38	38	100	190
II-8	37	32	86.4865	170.8
I-5	36	36	100	180
II-6	35	31	88.5714	171.7
II-7	36	36	100	180
II-7B	23	23	100	115
II-10	13	13	100	65
II-11	13	13	100	65
II-12	13	13	100	65
II-9	13	13	100	65

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	**Rank Mean**
II-1	4.68974	0.956087	-0.310256	0.123856	10058	257.897
II-2	4.43462	1.4941	-0.565385	0.123856	10267	263.256
II-3	5	0	0	0.123856	9087	233
II-4	4.87895	0.746219	-0.121053	0.124909	9087	239.132
II-5	5	0	0	0.124909	8854	233
II-8	4.61622	0.988409	-0.383784	0.126009	9839	265.919
I-5	5	0	0	0.12716	8388	233
II-6	4.90571	0.429735	-0.0942857	0.128365	9151	261.457
II-7	5	0	0	0.12716	8388	233
II-7B	5	0	0	0.149206	5359	233
II-10	5	0	0	0.187727	3029	233
II-11	5	0	0	0.187727	3029	233
II-12	5	0	0	0.187727	3029	233
II-9	5	0	0	0.187727	3029	233

Analysis of Variance Statistics

SS Wells	16.0012
SS Total	197.618

Kruskal-Wallis Statistics

Non-Detect Rank	233
Background Rank Sum	16776
Background Rank Mean	233
H Statistic	4.39963
H Adjusted for Ties	38.8639

Basic Statistics

Parameter: cis-1,2-Dichloroethene (-ethylene)
Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Measurements	484
Total Non-Detects	441 (91.1157%)
Pooled Mean	6.82287
Pooled Std Dev	13.8941
Compliance Meas.	412
Compliance Mean	7.14143
Compliance Std Dev	15.0393
Background Meas.	72
Background Mean	5
Background Std Dev	0

Background Locations
There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	37	37	100	185
MW-14	35	35	100	175

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-13	5	0	0	8177	221
MW-14	5	0	0	7735	221

Compliance Locations
There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
II-1	39	33	84.6154	191.81
II-2	39	28	71.7949	253.8
II-3	39	35	89.7436	177.16
II-4	38	36	94.7368	180.96
II-5	38	38	100	190
II-8	37	37	100	185
I-5	36	36	100	180
II-6	35	35	100	175
II-7	36	19	52.7778	949.14
II-7B	23	23	100	115
II-10	13	13	100	65
II-11	13	13	100	65
II-12	13	13	100	65
II-9	13	10	76.9231	149.4

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	**Rank Mean**
II-1	4.91821	1.52672	-0.0817949	2.56298	10029	257.154
II-2	6.50769	3.65069	1.50769	2.56298	11297	289.667
II-3	4.54256	1.37101	-0.457436	2.56298	9515	243.974
II-4	4.76211	1.02285	-0.237895	2.58476	8843	232.711
II-5	5	0	0	2.58476	8398	221
II-8	5	0	0	2.60752	8177	221
I-5	5	0	0	2.63134	7956	221
II-6	5	0	0	2.65628	7735	221
II-7	26.365	46.328	21.365	2.63134	12173	338.139
II-7B	5	0	0	3.08755	5083	221
II-10	5	0	0	3.88466	2873	221
II-11	5	0	0	3.88466	2873	221
II-12	5	0	0	3.88466	2873	221
II-9	11.4923	12.7293	6.49231	3.88466	3633	279.462

Analysis of Variance Statistics

SS Wells	15471.6
SS Total	93241.1

Kruskal-Wallis Statistics

Non-Detect Rank	221
Background Rank Sum	15912
Background Rank Mean	221
H Statistic	29.4115
H Adjusted for Ties	120.761

Basic Statistics

Parameter: Tetrachloroethene (-ethylene)
Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Measurements	484
Total Non-Detects	446 (92.1488%)
Pooled Mean	6.75698
Pooled Std Dev	14.7099
Compliance Meas.	412
Compliance Mean	7.06403
Compliance Std Dev	15.9264
Background Meas.	72
Background Mean	5
Background Std Dev	0

Background Locations
There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	37	37	100	185
MW-14	35	35	100	175

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-13	5	0	0	8269.5	223.5
MW-14	5	0	0	7822.5	223.5

Compliance Locations
There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
II-1	39	39	100	195
II-2	39	31	79.4872	189.4
II-3	39	39	100	195
II-4	38	38	100	190
II-5	38	38	100	190
II-8	37	37	100	185
I-5	36	36	100	180
II-6	35	35	100	175
II-7	36	11	30.5556	1057.07
II-7B	23	18	78.2609	93.91
II-10	13	13	100	65
II-11	13	13	100	65
II-12	13	13	100	65
II-9	13	13	100	65

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	**Rank Mean**
II-1	5	0	0	2.67344	8716.5	223.5
II-2	4.85641	0.520523	-0.14359	2.67344	10621.5	272.346
II-3	5	0	0	2.67344	8716.5	223.5
II-4	5	0	0	2.69616	8493	223.5
II-5	5	0	0	2.69616	8493	223.5
II-8	5	0	0	2.71991	8269.5	223.5
I-5	5	0	0	2.74475	8046	223.5
II-6	5	0	0	2.77076	7822.5	223.5
II-7	29.3631	49.146	24.3631	2.74475	14202.5	394.514
II-7B	4.08304	1.79574	-0.916957	3.22062	6275	272.826
II-10	5	0	0	4.05209	2905.5	223.5
II-11	5	0	0	4.05209	2905.5	223.5
II-12	5	0	0	4.05209	2905.5	223.5
II-9	5	0	0	4.05209	2905.5	223.5

Analysis of Variance Statistics

SS Wells	19894.1
SS Total	104512

Kruskal-Wallis Statistics

Non-Detect Rank	223.5
Background Rank Sum	16092
Background Rank Mean	223.5
H Statistic	52.5076
H Adjusted for Ties	241.382

Basic Statistics

Parameter: Toluene

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements	484
Total Non-Detects	479 (98.9669%)
Pooled Mean	4.99481
Pooled Std Dev	0.500707
Compliance Meas.	412
Compliance Mean	4.99391
Compliance Std Dev	0.54279
Background Meas.	72
Background Mean	5
Background Std Dev	0

Background Locations

There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	37	37	100	185
MW-14	35	35	100	175

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-13	5	0	0	8880	240
MW-14	5	0	0	8400	240

Compliance Locations

There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
II-1	39	37	94.8718	205.7
II-2	39	39	100	195
II-3	39	39	100	195
II-4	38	38	100	190
II-5	38	38	100	190
II-8	37	37	100	185
I-5	36	36	100	180
II-6	35	33	94.2857	165.79
II-7	36	35	97.2222	176
II-7B	23	23	100	115
II-10	13	13	100	65
II-11	13	13	100	65
II-12	13	13	100	65
II-9	13	13	100	65

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	**Rank Mean**
II-1	5.27436	1.25399	0.274359	0.0986862	9847	252.487
II-2	5	0	0	0.0986862	9360	240
II-3	5	0	0	0.0986862	9360	240
II-4	5	0	0	0.0995249	9120	240
II-5	5	0	0	0.0995249	9120	240
II-8	5	0	0	0.100401	8880	240
I-5	5	0	0	0.101318	8640	240
II-6	4.73686	1.08453	-0.263143	0.102279	8881	253.743
II-7	4.88889	0.666667	-0.111111	0.101318	8882	246.722
II-7B	5	0	0	0.118884	5520	240
II-10	5	0	0	0.149577	3120	240
II-11	5	0	0	0.149577	3120	240
II-12	5	0	0	0.149577	3120	240
II-9	5	0	0	0.149577	3120	240

Analysis of Variance Statistics

SS Wells	5.79061
SS Total	121.091

Kruskal-Wallis Statistics

Non-Detect Rank	240
Background Rank Sum	17280
Background Rank Mean	240
H Statistic	0.57732
H Adjusted for Ties	18.8219

Basic Statistics

Parameter: Trichloroethene (-ethylene)

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements	484
Total Non-Detects	462 (95.4545%)
Pooled Mean	6.42855
Pooled Std Dev	12.0827
Compliance Meas.	412
Compliance Mean	6.6782
Compliance Std Dev	13.0823
Background Meas.	72
Background Mean	5
Background Std Dev	0

Background Locations

There are 2 background location

Location	Meas.	Non-Detects	% ND	Total	
MW-13	37	37	100	185	
MW-14	35	35	100	175	

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-13	5	0	0	8565.5	231.5
MW-14	5	0	0	8102.5	231.5

Compliance Locations

There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
II-1	39	36	92.3077	183.34
II-2	39	32	82.0513	189.5
II-3	39	39	100	195
II-4	38	38	100	190
II-5	38	37	97.3684	185.9
II-8	37	37	100	185
I-5	36	36	100	180
II-6	35	35	100	175
II-7	36	25	69.4444	892.68
II-7B	23	23	100	115
II-10	13	13	100	65
II-11	13	13	100	65
II-12	13	13	100	65
II-9	13	13	100	65

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	**Rank Mean**
II-1	4.70103	1.06169	-0.298974	2.20167	9731	249.513
II-2	4.85897	0.51795	-0.141026	2.20167	10705	274.487
II-3	5	0	0	2.20167	9028.5	231.5
II-4	5	0	0	2.22038	8797	231.5
II-5	4.89211	0.665108	-0.107895	2.22038	9030.5	237.645
II-8	5	0	0	2.23994	8565.5	231.5
I-5	5	0	0	2.26039	8334	231.5
II-6	5	0	0	2.28182	8102.5	231.5
II-7	24.7967	40.4684	19.7967	2.26039	11045.5	306.819
II-7B	5	0	0	2.65229	5324.5	231.5
II-10	5	0	0	3.33704	3009.5	231.5
II-11	5	0	0	3.33704	3009.5	231.5
II-12	5	0	0	3.33704	3009.5	231.5
II-9	5	0	0	3.33704	3009.5	231.5

Analysis of Variance Statistics

SS Wells	13125.7
SS Total	70514.2

Kruskal-Wallis Statistics

Non-Detect Rank	231.5
Background Rank Sum	16668
Background Rank Mean	231.5
H Statistic	11.8508
H Adjusted for Ties	90.9784

Basic Statistics

Parameter: Trichlorofluoromethane
Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Measurements	484
Total Non-Detects	453 (93.595%)
Pooled Mean	5.64112
Pooled Std Dev	3.41762
Compliance Meas.	412
Compliance Mean	5.75316
Compliance Std Dev	3.69346
Background Meas.	72
Background Mean	5
Background Std Dev	0

Background Locations
There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	37	37	100	185
MW-14	35	35	100	175

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-13	5	0	0	8399	227
MW-14	5	0	0	7945	227

Compliance Locations
There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
II-1	39	38	97.4359	228
II-2	39	10	25.641	449.3
II-3	39	39	100	195
II-4	38	38	100	190
II-5	38	38	100	190
II-8	37	37	100	185
I-5	36	36	100	180
II-6	35	34	97.1429	198
II-7	36	36	100	180
II-7B	23	23	100	115
II-10	13	13	100	65
II-11	13	13	100	65
II-12	13	13	100	65
II-9	13	13	100	65

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	**Rank Mean**
II-1	5.84615	5.28423	0.846154	0.591289	9110	233.59
II-2	11.5205	8.21466	6.52051	0.591289	15844	406.256
II-3	5	0	0	0.591289	8853	227
II-4	5	0	0	0.596314	8626	227
II-5	5	0	0	0.596314	8626	227
II-8	5	0	0	0.601565	8399	227
I-5	5	0	0	0.607059	8172	227
II-6	5.65714	3.88771	0.657143	0.612813	8199	234.257
II-7	5	0	0	0.607059	8172	227
II-7B	5	0	0	0.712309	5221	227
II-10	5	0	0	0.896207	2951	227
II-11	5	0	0	0.896207	2951	227
II-12	5	0	0	0.896207	2951	227
II-9	5	0	0	0.896207	2951	227

Analysis of Variance Statistics

SS Wells	1502.27
SS Total	5641.49

Kruskal-Wallis Statistics

Non-Detect Rank	227
Background Rank Sum	16344
Background Rank Mean	227
H Statistic	58.2996
H Adjusted for Ties	323.698

Basic Statistics

Parameter: Vinyl chloride

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements	484
Total Non-Detects	467 (96.4876%)
Pooled Mean	9.94496
Pooled Std Dev	4.02067
Compliance Meas.	412
Compliance Mean	9.93534
Compliance Std Dev	4.35857
Background Meas.	72
Background Mean	10
Background Std Dev	0

Background Locations

There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	37	37	100	370
MW-14	35	35	100	350

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-13	10	0	0	8658	234
MW-14	10	0	0	8190	234

Compliance Locations

There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
II-1	39	34	87.1795	445.23
II-2	39	33	84.6154	353.5
II-3	39	37	94.8718	370.91
II-4	38	38	100	380
II-5	38	38	100	380
II-8	37	37	100	370
I-5	36	36	100	360
II-6	35	35	100	350
II-7	36	33	91.6667	331.72
II-7B	23	23	100	230
II-10	13	13	100	130
II-11	13	13	100	130
II-12	13	13	100	130
II-9	13	12	92.3077	132

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	**Rank Mean**
II-1	11.4162	13.6219	1.41615	0.804646	10343	265.205
II-2	9.0641	2.25488	-0.935897	0.804646	10593	271.615
II-3	9.51051	2.13289	-0.489487	0.804646	9596	246.051
II-4	10	0	0	0.811484	8892	234
II-5	10	0	0	0.811484	8892	234
II-8	10	0	0	0.818631	8658	234
I-5	10	0	0	0.826107	8424	234
II-6	10	0	0	0.833938	8190	234
II-7	9.21444	2.64277	-0.785556	0.826107	9135	253.75
II-7B	10	0	0	0.969334	5382	234
II-10	10	0	0	1.21959	3042	234
II-11	10	0	0	1.21959	3042	234
II-12	10	0	0	1.21959	3042	234
II-9	10.1538	0.5547	0.153846	1.21959	3291	253.154

Analysis of Variance Statistics

SS Wells	142.776
SS Total	7808.08

Kruskal-Wallis Statistics

Non-Detect Rank	234
Background Rank Sum	16848
Background Rank Mean	234
H Statistic	4.22587
H Adjusted for Ties	41.5464

Basic Statistics

Parameter: Barium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements	468
Total Non-Detects	341 (72.8632%)
Pooled Mean	441.149
Pooled Std Dev	213.026
Compliance Meas.	398
Compliance Mean	443.279
Compliance Std Dev	212.184
Background Meas.	70
Background Mean	429.043
Background Std Dev	218.914

Background Locations

There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	36	27	75	14566
MW-14	34	23	67.6471	15467

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-13	404.611	167.611	0	8257	229.361
MW-14	454.912	262.805	0	8310	244.412

Compliance Locations

There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
II-1	38	24	63.1579	17298.2
II-2	38	28	73.6842	15542.6
II-3	38	24	63.1579	16370
II-4	37	20	54.0541	20043
II-5	37	27	72.973	14371
II-8	36	27	75	14092.6
I-5	35	32	91.4286	16244
II-6	34	25	73.5294	15246.9
II-7	35	28	80	14242.7
II-7B	22	16	72.7273	8069.9
II-10	12	12	100	6000
II-11	12	12	100	6000
II-12	12	4	33.3333	6904
II-9	12	12	100	6000

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	**Rank Mean**
II-1	455.216	188.433	26.1729	42.383	10068	264.947
II-2	409.016	213.071	-20.0271	42.383	8643	227.447
II-3	430.789	180.822	1.74662	42.383	9967	262.289
II-4	541.703	424.297	112.66	42.7526	10737	290.189
II-5	388.405	186.398	-40.6375	42.7526	8518	230.216
II-8	391.461	191.137	-37.5817	43.1393	8039	223.306
I-5	464.114	119.075	35.0714	43.5444	6632	189.486
II-6	448.438	133.694	19.3954	43.9692	7997	235.206
II-7	406.934	189.297	-22.1086	43.5444	7331	209.457
II-7B	366.814	222.614	-62.2292	51.4108	4815	218.864
II-10	500	0	70.9571	65.7186	2052	171
II-11	500	0	70.9571	65.7186	2052	171
II-12	575.333	131.595	146.29	65.7186	4276	356.333
II-9	500	0	70.9571	65.7186	2052	171

Analysis of Variance Statistics

SS Wells	1.19481e+006
SS Total	2.11925e+007

Kruskal-Wallis Statistics

Non-Detect Rank	171
Background Rank Sum	16567
Background Rank Mean	236.671
H Statistic	33.2556
H Adjusted for Ties	54.2359

Basic Statistics

Parameter: Chromium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements	468
Total Non-Detects	353 (75.4274%)
Pooled Mean	14.0704
Pooled Std Dev	19.3172
Compliance Meas.	398
Compliance Mean	14.8619
Compliance Std Dev	20.8332
Background Meas.	70
Background Mean	9.56986
Background Std Dev	2.05002

Background Locations

There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	36	34	94.4444	352
MW-14	34	24	70.5882	317.89

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-13	9.77778	0.959497	0	6776	188.222
MW-14	9.34971	2.77735	0	8075	237.5

Compliance Locations

There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
II-1	38	19	50	953.49
II-2	38	28	73.6842	518.9
II-3	38	25	65.7895	545.13
II-4	37	22	59.4595	526.8
II-5	37	24	64.8649	500.24
II-8	36	33	91.6667	349.6
I-5	35	23	65.7143	1053.7
II-6	34	25	73.5294	409.17
II-7	35	29	82.8571	357.2
II-7B	22	21	95.4545	210.8
II-10	12	12	100	120
II-11	12	12	100	120
II-12	12	10	83.3333	130.02
II-9	12	12	100	120

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	**Rank Mean**
II-1	25.0918	34.6384	15.522	3.75167	11540	303.684
II-2	13.6553	9.41375	4.08541	3.75167	9152	240.842
II-3	14.3455	12.7258	4.77567	3.75167	9796	257.789
II-4	14.2378	14.4487	4.66798	3.78439	9986	269.892
II-5	13.52	10.1388	3.95014	3.78439	9566	258.541
II-8	9.71111	1.58164	0.141254	3.81862	6973	193.694
I-5	30.1057	51.0569	20.5359	3.85448	9307	265.914
II-6	12.0344	7.5548	2.46455	3.89208	8083	237.735
II-7	10.2057	4.24262	0.635857	3.85448	7472	213.486
II-7B	9.58182	1.96145	0.011961	4.5508	4072	185.091
II-10	10	0	0.430143	5.8173	2124	177
II-11	10	0	0.430143	5.8173	2124	177
II-12	10.835	4.56892	1.26514	5.8173	2576	214.667
II-9	10	0	0.430143	5.8173	2124	177

Analysis of Variance Statistics

SS Wells	17571.4
SS Total	174263

Kruskal-Wallis Statistics

Non-Detect Rank	177
Background Rank Sum	14851
Background Rank Mean	212.157
H Statistic	32.4994
H Adjusted for Ties	56.9293

Basic Statistics

Parameter: Cobalt

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements	468
Total Non-Detects	270 (57.6923%)
Pooled Mean	18.3643
Pooled Std Dev	18.1283
Compliance Meas.	398
Compliance Mean	19.853
Compliance Std Dev	19.2714
Background Meas.	70
Background Mean	9.9
Background Std Dev	1.39513

Background Locations

There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	36	33	91.6667	346
MW-14	34	32	94.1176	347

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-13	9.61111	1.62617	0	5322.5	147.847
MW-14	10.2059	1.03805	0	4977	146.382

Compliance Locations

There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
II-1	38	3	7.89474	1632
II-2	38	31	81.5789	423
II-3	38	5	13.1579	1070.5
II-4	37	16	43.2432	591.9
II-5	37	12	32.4324	477.3
II-8	36	30	83.3333	490.46
I-5	35	10	28.5714	1122.2
II-6	34	6	17.6471	898.5
II-7	35	31	88.5714	327.71
II-7B	22	22	100	220
II-10	12	12	100	120
II-11	12	11	91.6667	122
II-12	12	4	33.3333	285.91
II-9	12	12	100	120

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	**Rank Mean**
II-1	42.9474	32.0749	33.0474	3.02287	14560.5	383.171
II-2	11.1316	5.53207	1.23158	3.02287	6504.5	171.171
II-3	28.1711	19.9236	18.2711	3.02287	13089.5	344.461
II-4	15.9973	14.4274	6.0973	3.04923	9418	254.541
II-5	12.9	8.57448	3	3.04923	9737	263.162
II-8	13.6239	16.8922	3.72389	3.07682	6156	171
I-5	32.0629	20.8083	22.1629	3.10571	11554	330.114
II-6	26.4265	17.4959	16.5265	3.13601	11425	336.029
II-7	9.36314	2.34544	-0.536857	3.10571	5341.5	152.614
II-7B	10	0	0.1	3.66676	2981	135.5
II-10	10	0	0.1	4.68723	1626	135.5
II-11	10.1667	0.57735	0.266667	4.68723	1806.5	150.542
II-12	23.8258	15.2929	13.9258	4.68723	3621	301.75
II-9	10	0	0.1	4.68723	1626	135.5

Analysis of Variance Statistics

SS Wells	51745.2
SS Total	153472

Kruskal-Wallis Statistics

Non-Detect Rank	135.5
Background Rank Sum	10299.5
Background Rank Mean	147.136
H Statistic	200.718
H Adjusted for Ties	248.419

Basic Statistics

Parameter: Copper
Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Measurements	468
Total Non-Detects	391 (83.547%)
Pooled Mean	181.078
Pooled Std Dev	76.0462
Compliance Meas.	398
Compliance Mean	180.657
Compliance Std Dev	79.292
Background Meas.	70
Background Mean	183.471
Background Std Dev	54.3972

Background Locations
There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	36	31	86.1111	6240.2
MW-14	34	33	97.0588	6602.8

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-13	173.339	67.3628	0	8175	227.083
MW-14	194.2	33.8195	0	6875	202.206

Compliance Locations
There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
II-1	38	23	60.5263	7024.41
II-2	38	34	89.4737	6866
II-3	38	29	76.3158	6513.73
II-4	37	28	75.6757	6273.69
II-5	37	30	81.0811	6401.71
II-8	36	31	86.1111	6707.2
I-5	35	26	74.2857	6849.4
II-6	34	31	91.1765	6213.26
II-7	35	29	82.8571	5831.29
II-7B	22	19	86.3636	3807.02
II-10	12	12	100	2400
II-11	12	12	100	2400
II-12	12	11	91.6667	2213.9
II-9	12	12	100	2400

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	**Rank Mean**
II-1	184.853	136.373	1.38147	15.4312	11126	292.789
II-2	180.684	57.2364	-2.78722	15.4312	8369	220.237
II-3	171.414	81.6606	-12.0575	15.4312	9528	250.737
II-4	169.559	77.4483	-13.9122	15.5658	9419	254.568
II-5	173.019	78.5954	-10.4522	15.5658	8864	239.568
II-8	186.311	73.1118	2.83968	15.7066	8215	228.194
I-5	195.697	100.939	12.2257	15.8541	9142	261.2
II-6	182.743	56.3129	-0.728487	16.0087	7312	215.059
II-7	166.608	74.5297	-16.8631	15.8541	8140	232.571
II-7B	173.046	69.4283	-10.4251	18.7181	4935	224.318
II-10	200	0	16.5286	23.9274	2352	196
II-11	200	0	16.5286	23.9274	2352	196
II-12	184.492	53.7224	1.02024	23.9274	2590	215.833
II-9	200	0	16.5286	23.9274	2352	196

Analysis of Variance Statistics

SS Wells	49756
SS Total	2.70067e+006

Kruskal-Wallis Statistics

Non-Detect Rank	196
Background Rank Sum	15050
Background Rank Mean	215
H Statistic	15.7736
H Adjusted for Ties	37.8413

Basic Statistics

Parameter: Selenium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements	468
Total Non-Detects	445 (95.0855%)
Pooled Mean	19.9281
Pooled Std Dev	3.74552
Compliance Meas.	398
Compliance Mean	19.8904
Compliance Std Dev	4.03047
Background Meas.	70
Background Mean	20.1429
Background Std Dev	1.19523

Background Locations

There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	36	36	100	720
MW-14	34	33	97.0588	690

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-13	20	0	0	8028	223
MW-14	20.2941	1.71499	0	7823	230.088

Compliance Locations

There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
II-1	38	35	92.1053	758.1
II-2	38	36	94.7368	749.04
II-3	38	36	94.7368	772.18
II-4	37	35	94.5946	738.19
II-5	37	35	94.5946	725.57
II-8	36	34	94.4444	766
I-5	35	34	97.1429	709
II-6	34	31	91.1765	681.8
II-7	35	33	94.2857	666.09
II-7B	22	21	95.4545	423.4
II-10	12	12	100	240
II-11	12	12	100	240
II-12	12	10	83.3333	206.99
II-9	12	12	100	240

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	**Rank Mean**
II-1	19.95	0.718764	-0.192857	0.754696	9180	241.579
II-2	19.7116	2.52897	-0.431278	0.754696	8944	235.368
II-3	20.3205	5.2771	0.177669	0.754696	8947	235.447
II-4	19.9511	3.51926	-0.191776	0.761277	8723	235.757
II-5	19.61	2.92108	-0.532857	0.761277	8713	235.486
II-8	21.2778	8.19621	1.13492	0.768163	8507	236.306
I-5	20.2571	1.52128	0.114286	0.775376	8045	229.857
II-6	20.0529	3.94448	-0.089916	0.782941	8292	243.882
II-7	19.0311	3.99968	-1.11171	0.775376	8256	235.886
II-7B	19.2455	3.53913	-0.897403	0.915449	5132	233.273
II-10	20	0	-0.142857	1.17022	2676	223
II-11	20	0	-0.142857	1.17022	2676	223
II-12	17.2492	6.42588	-2.89369	1.17022	3128	260.667
II-9	20	0	-0.142857	1.17022	2676	223

Analysis of Variance Statistics

SS Wells	210.771
SS Total	6551.51

Kruskal-Wallis Statistics

Non-Detect Rank	223
Background Rank Sum	15851
Background Rank Mean	226.443
H Statistic	1.28742
H Adjusted for Ties	9.17557

Basic Statistics

Parameter: Vanadium
Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Measurements	468
Total Non-Detects	348 (74.359%)
Pooled Mean	47.9172
Pooled Std Dev	47.4845
Compliance Meas.	398
Compliance Mean	49.7464
Compliance Std Dev	50.5954
Background Meas.	70
Background Mean	37.5167
Background Std Dev	20.0711

Background Locations
There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	36	28	77.7778	1167.87
MW-14	34	28	82.3529	1458.3

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-13	32.4408	14.4835	0	7836	217.667
MW-14	42.8912	23.7058	0	7290	214.412

Compliance Locations
There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
II-1	38	23	60.5263	2086
II-2	38	25	65.7895	2025.92
II-3	38	26	68.4211	2034.96
II-4	37	18	48.6486	2877.6
II-5	37	25	67.5676	1260.31
II-8	36	27	75	1937.36
I-5	35	27	77.1429	2282
II-6	34	27	79.4118	1353.82
II-7	35	31	88.5714	1305
II-7B	22	16	72.7273	705.99
II-10	12	12	100	480
II-11	12	12	100	480
II-12	12	11	91.6667	490.1
II-9	12	12	100	480

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	**Rank Mean**
II-1	54.8947	49.9739	17.378	9.34881	10325.5	271.724
II-2	53.3137	43.0284	15.797	9.34881	9787.5	257.566
II-3	53.5516	53.8942	16.0349	9.34881	9492	249.789
II-4	77.773	89.4523	40.2563	9.43034	11326	306.108
II-5	34.0624	15.7063	-3.45428	9.43034	8999.5	243.23
II-8	53.8156	71.3667	16.2988	9.51564	8353.5	232.042
I-5	65.2	74.5681	27.6833	9.60499	8206.5	234.471
II-6	39.8182	15.259	2.30152	9.6987	7483.5	220.103
II-7	37.2857	9.35072	-0.231	9.60499	6928.5	197.957
II-7B	32.0905	13.3089	-5.42626	11.3402	5104	232
II-10	40	0	2.48329	14.4961	2094	174.5
II-11	40	0	2.48329	14.4961	2094	174.5
II-12	40.8417	2.91562	3.32495	14.4961	2331.5	194.292
II-9	40	0	2.48329	14.4961	2094	174.5

Analysis of Variance Statistics

SS Wells	79988.4
SS Total	1.05298e+006

Kruskal-Wallis Statistics

Non-Detect Rank	174.5
Background Rank Sum	15126
Background Rank Mean	216.086
H Statistic	27.4001
H Adjusted for Ties	46.5315

Basic Statistics

Parameter: Zinc

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements	468
Total Non-Detects	345 (73.7179%)
Pooled Mean	59.7542
Pooled Std Dev	56.7964
Compliance Meas.	398
Compliance Mean	61.3586
Compliance Std Dev	59.5852
Background Meas.	70
Background Mean	50.6323
Background Std Dev	36.1366

Background Locations

There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	36	27	75	1506.96
MW-14	34	27	79.4118	2037.3

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-13	41.86	16.4533	0	8044	223.444
MW-14	59.9206	47.6494	0	7582	223

Compliance Locations

There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
II-1	38	23	60.5263	2774.87
II-2	38	30	78.9474	2536.88
II-3	38	25	65.7895	2007.19
II-4	37	16	43.2432	3227.6
II-5	37	26	70.2703	1878.7
II-8	36	24	66.6667	2438.73
I-5	35	27	77.1429	2564
II-6	34	23	67.6471	1916.65
II-7	35	30	85.7143	1664.59
II-7B	22	22	100	1100
II-10	12	12	100	600
II-11	12	12	100	600
II-12	12	9	75	511.5
II-9	12	12	100	600

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	**Rank Mean**
II-1	73.0229	78.2391	22.3906	11.3349	10210	268.684
II-2	66.76	67.7585	16.1277	11.3349	8539	224.711
II-3	52.8208	44.8825	2.1885	11.3349	9448	248.632
II-4	87.2324	95.1489	36.6001	11.4338	11679	315.649
II-5	50.7757	25.8809	0.14339	11.4338	8861	239.486
II-8	67.7425	92.0125	17.1102	11.5372	9005	250.139
I-5	73.2571	71.1863	22.6249	11.6455	8122	232.057
II-6	56.3721	38.6528	5.73977	11.7591	8421	247.676
II-7	47.5597	11.546	-3.07257	11.6455	7117	203.343
II-7B	50	0	-0.632286	13.7493	3806	173
II-10	50	0	-0.632286	17.5758	2076	173
II-11	50	0	-0.632286	17.5758	2076	173
II-12	42.625	15.1839	-8.00729	17.5758	2684	223.667
II-9	50	0	-0.632286	17.5758	2076	173

Analysis of Variance Statistics

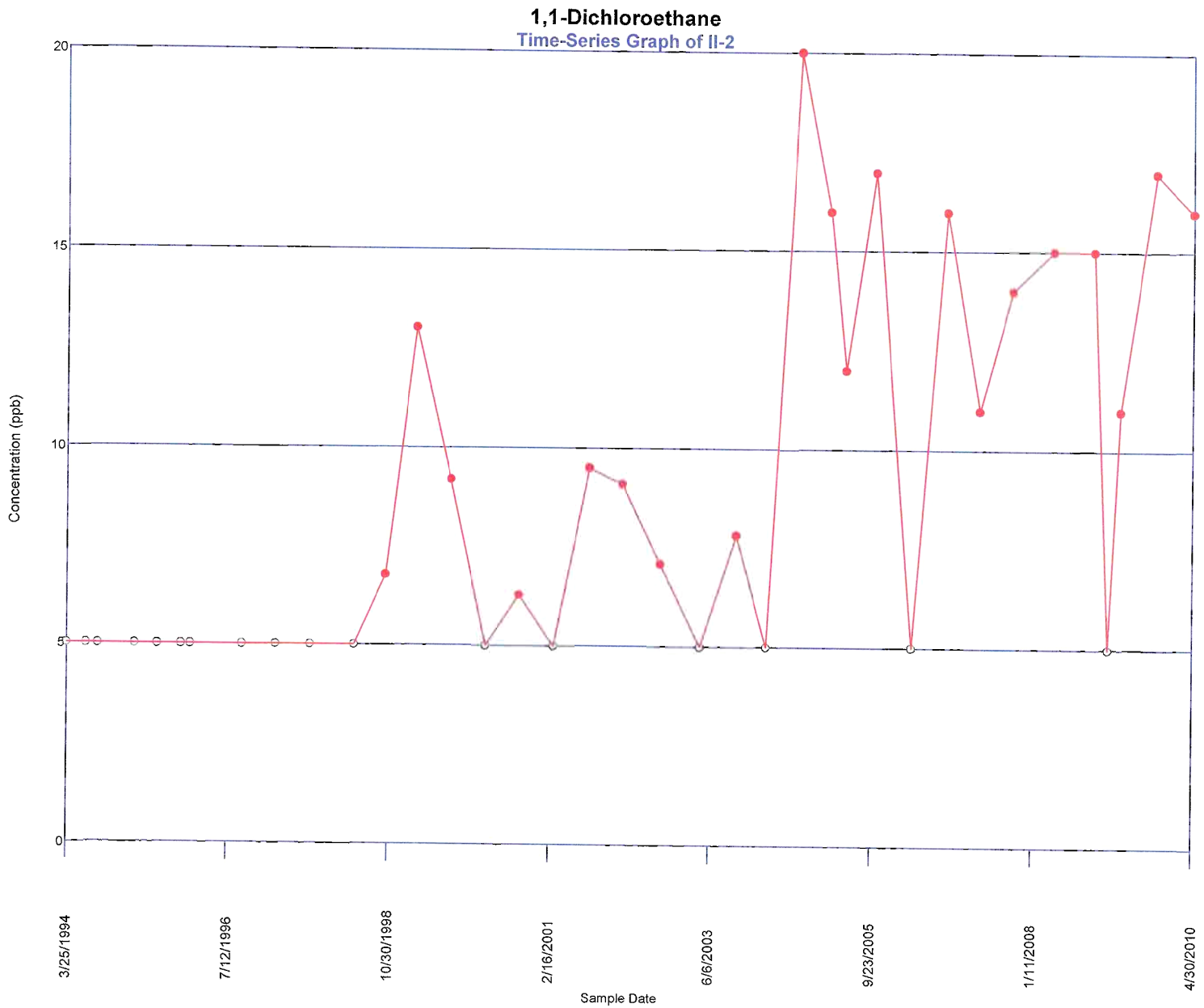
SS Wells	76141.7
SS Total	1.50646e+006

Kruskal-Wallis Statistics

Non-Detect Rank	173
Background Rank Sum	15626
Background Rank Mean	223.229
H Statistic	31.6423
H Adjusted for Ties	52.7906

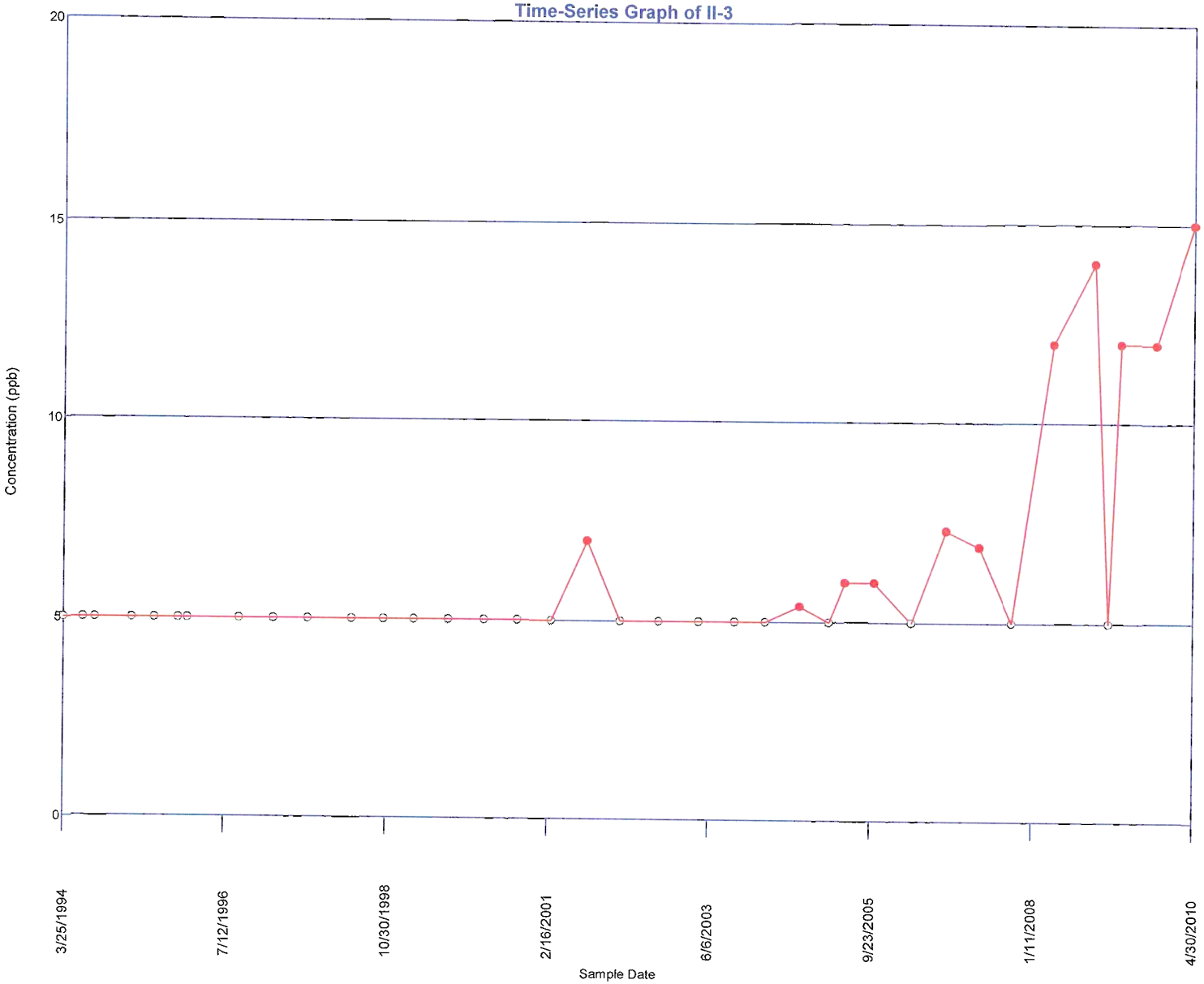
APPENDIX IV

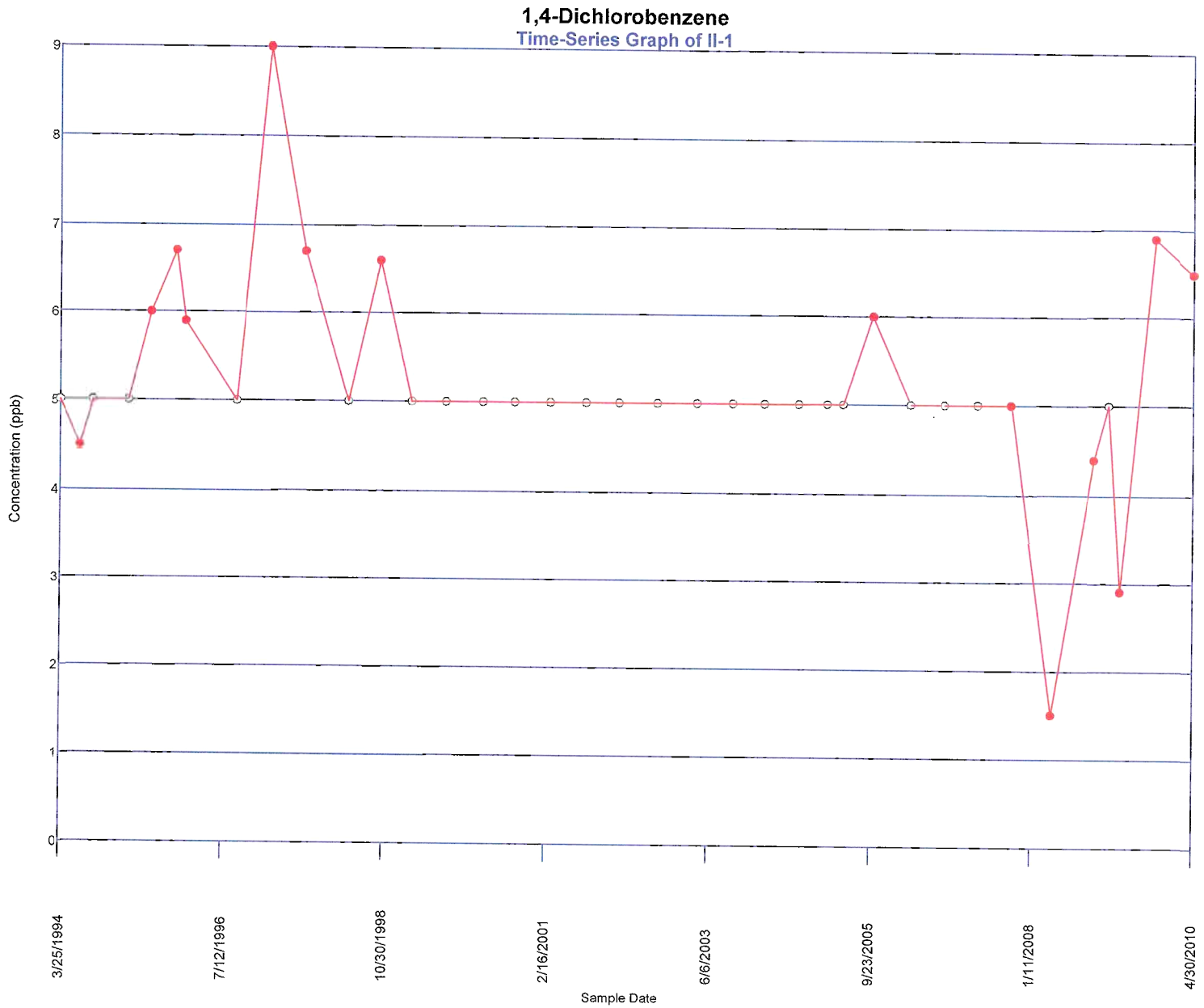
Time vs. Concentration Graphs

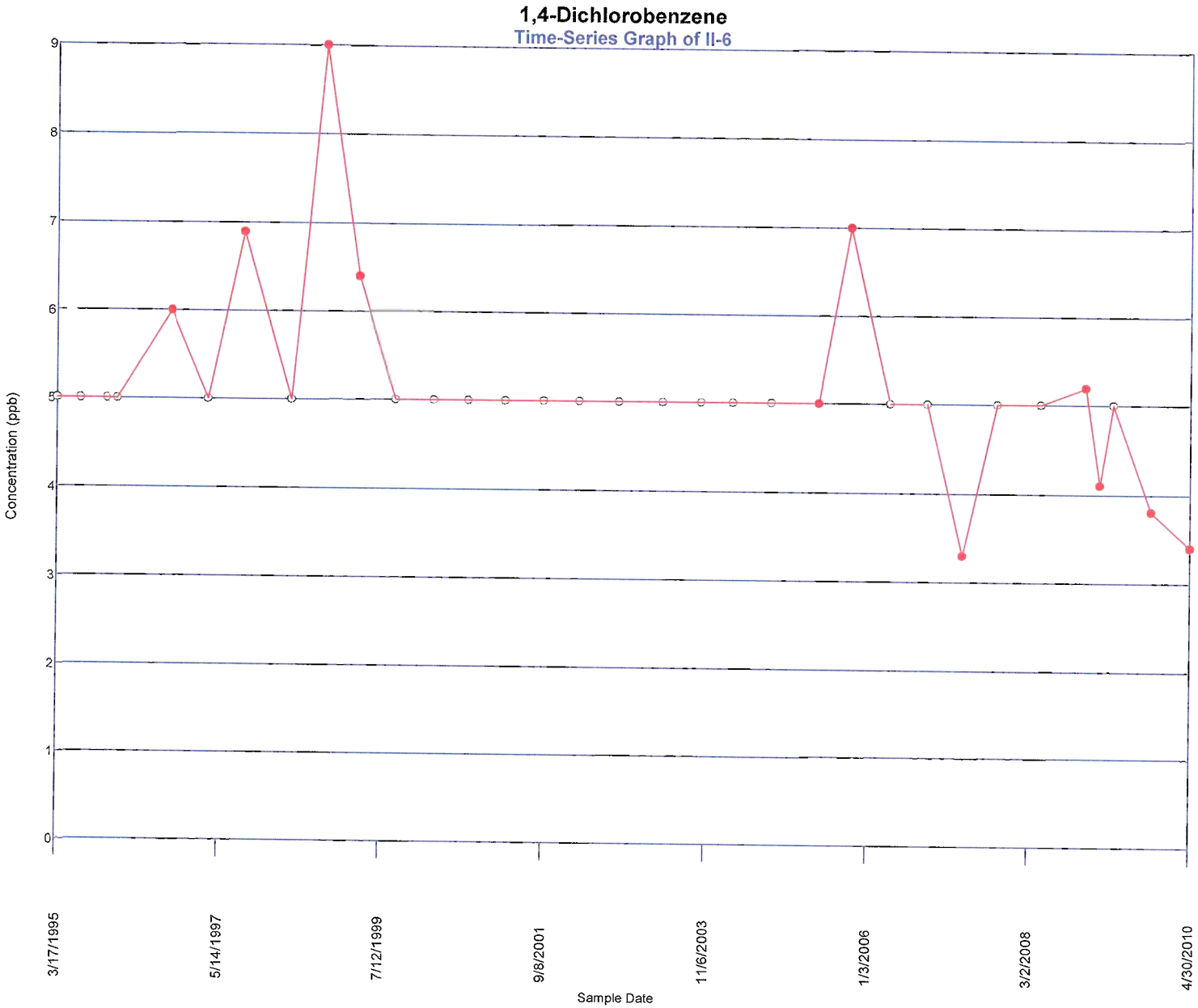

1,1-Dichloroethane
Time-Series Graph of II-2
Concentration (ppb)
20
15
10
5
0
3/25/1994
7/12/1996
10/30/1998
2/16/2001
6/6/2003
9/23/2005
1/11/2008
4/30/2010
Sample Date

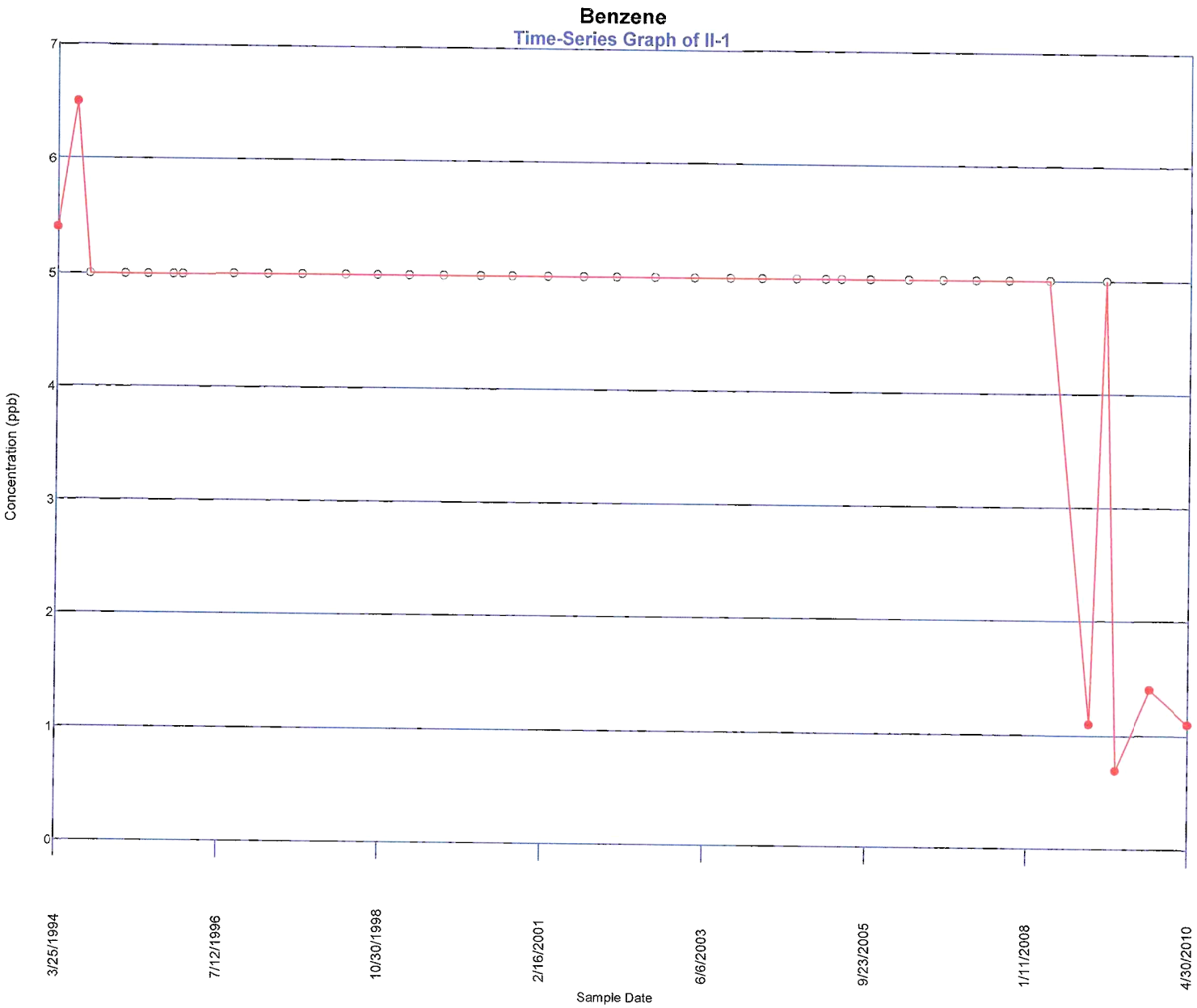
1,1-Dichloroethane

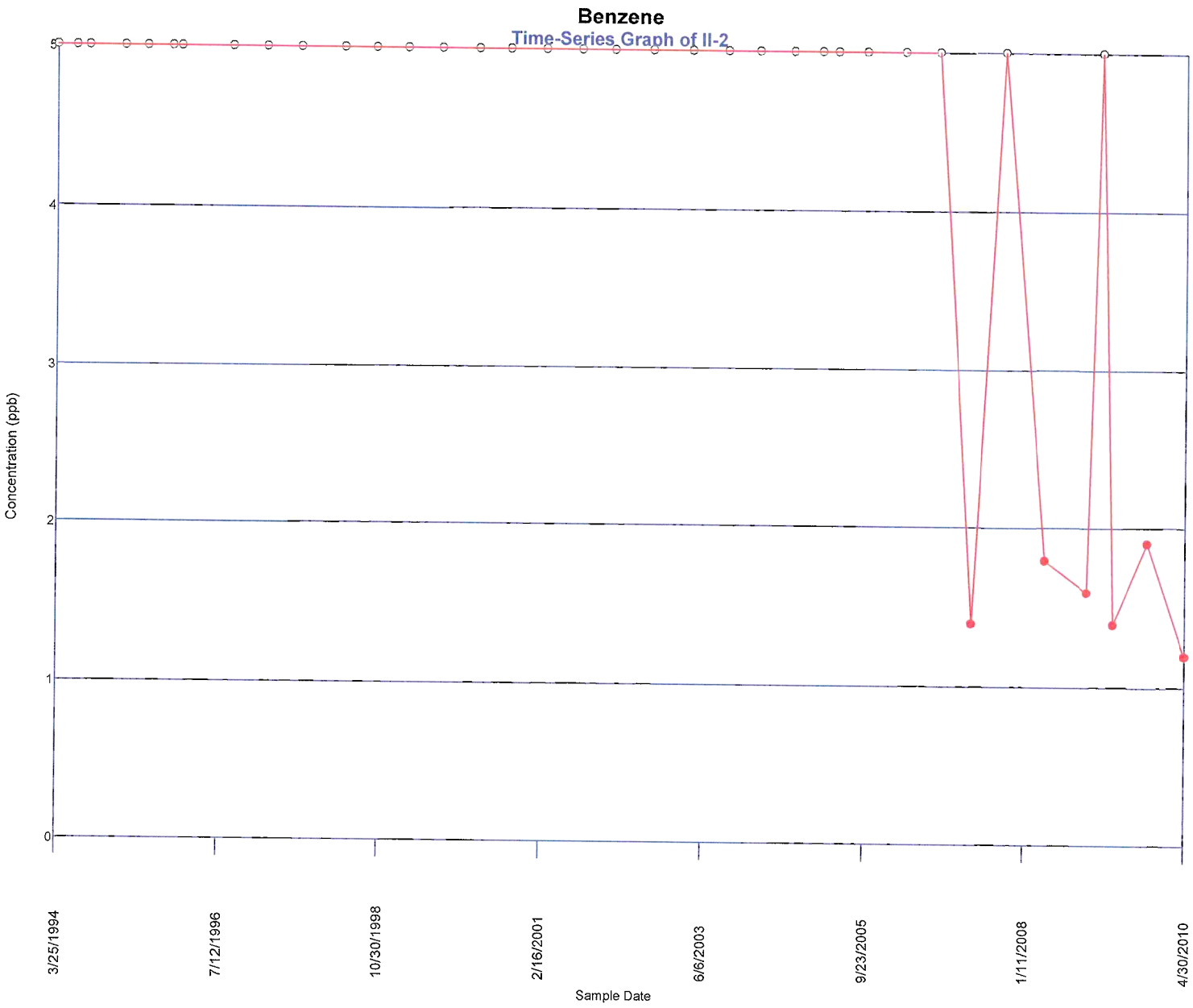
Time-Series Graph of II-3

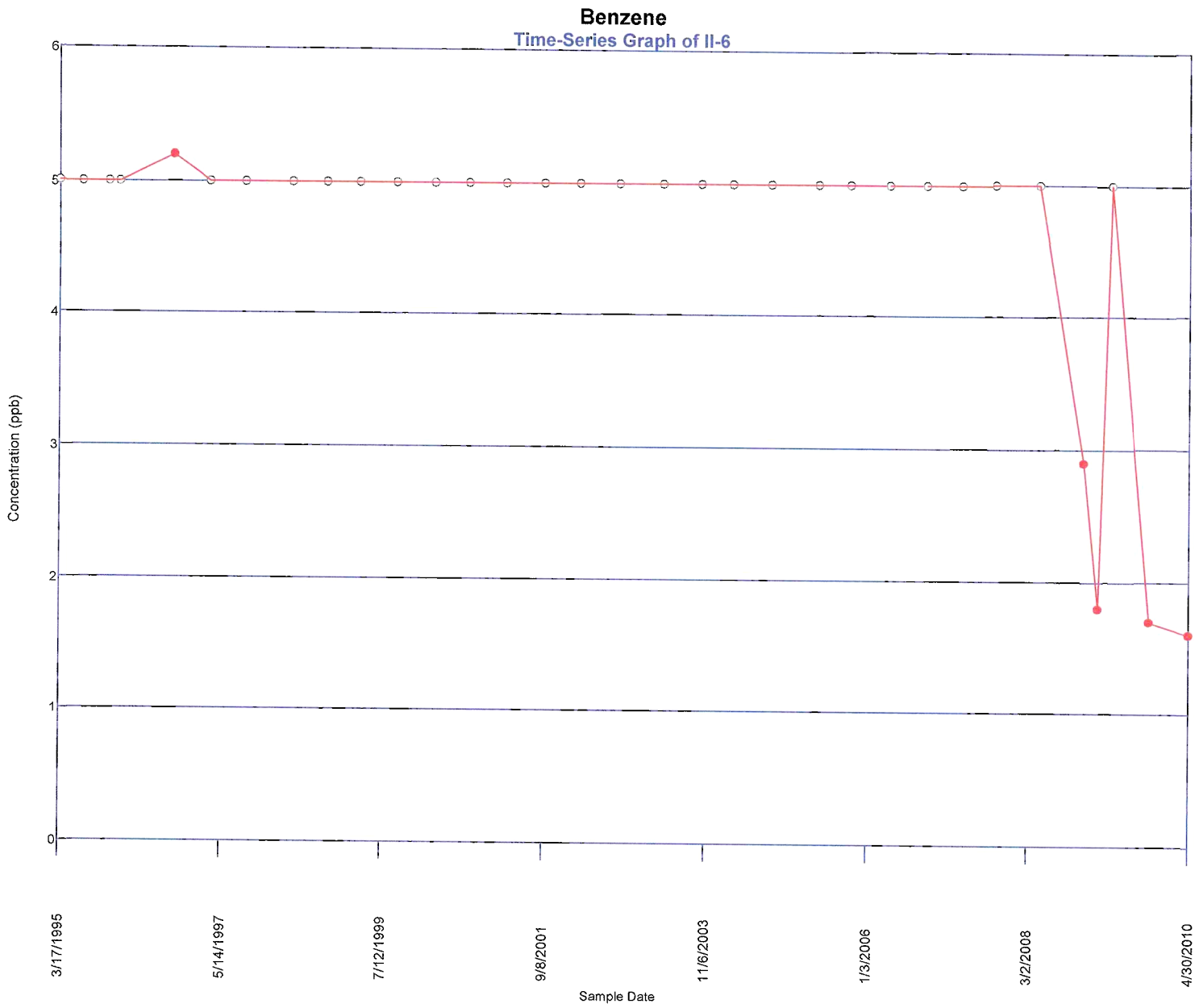


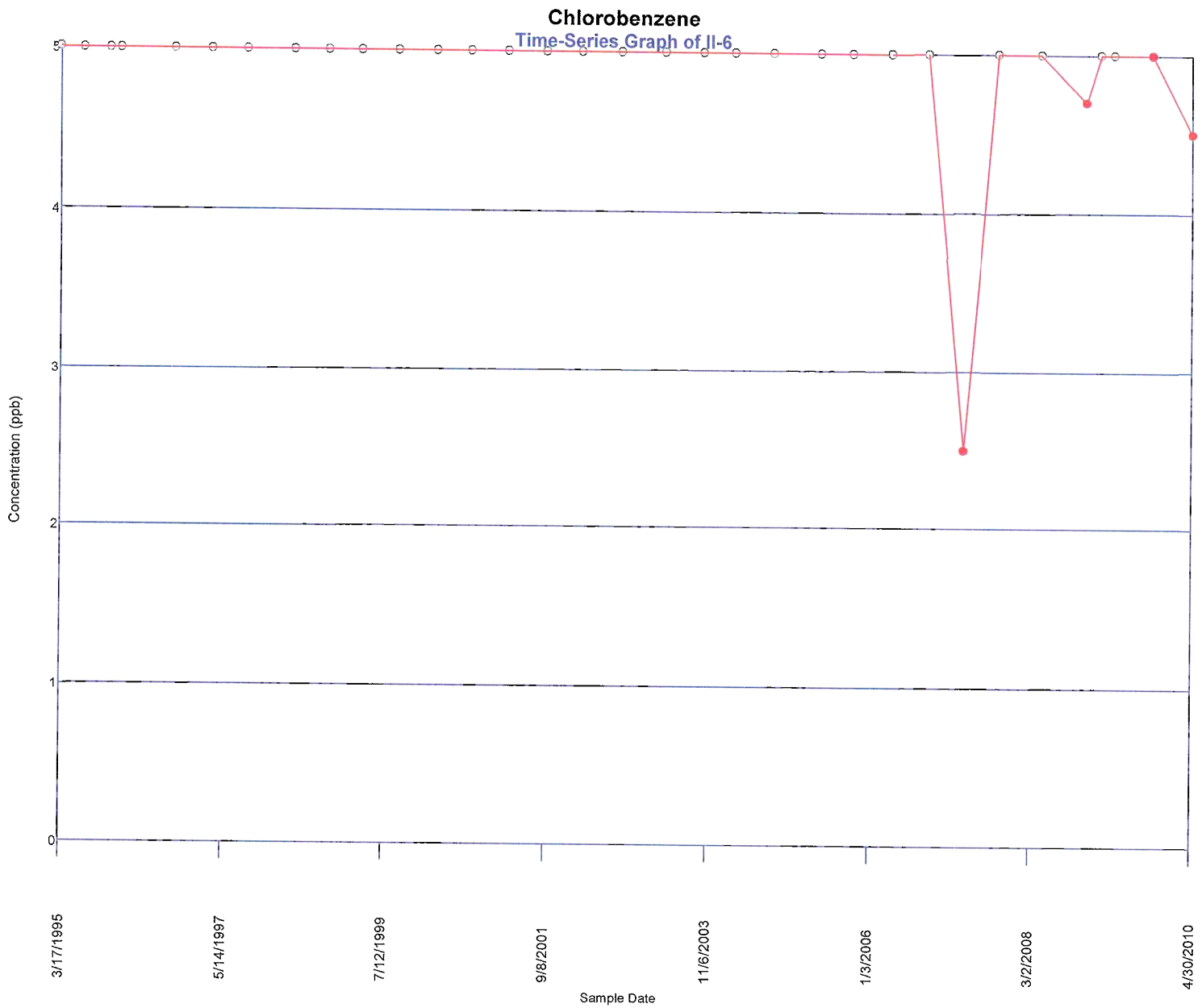

1,4-Dichlorobenzene
Time-Series Graph of II-1
Concentration (ppb)
0
1
2
3
4
5
6
7
8
9
3/25/1994
7/12/1996
10/30/1998
2/16/2001
6/6/2003
9/23/2005
1/11/2008
4/30/2010
Sample Date

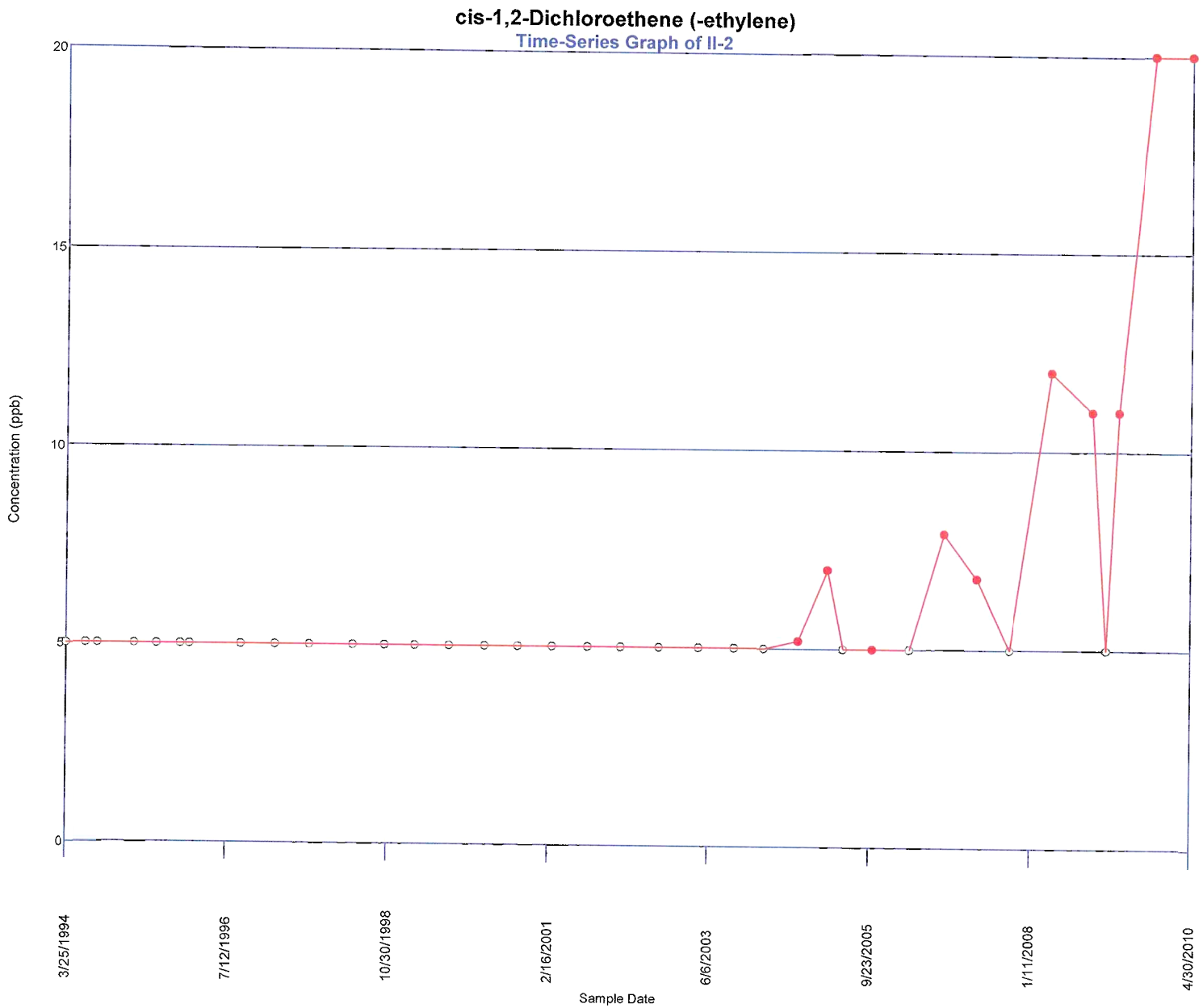

1,4-Dichlorobenzene
Time-Series Graph of II-6
Concentration (ppb)
0
1
2
3
4
5
6
7
8
9
3/17/1995
5/14/1997
7/12/1999
9/8/2001
11/6/2003
1/3/2006
3/2/2008
4/30/2010
Sample Date

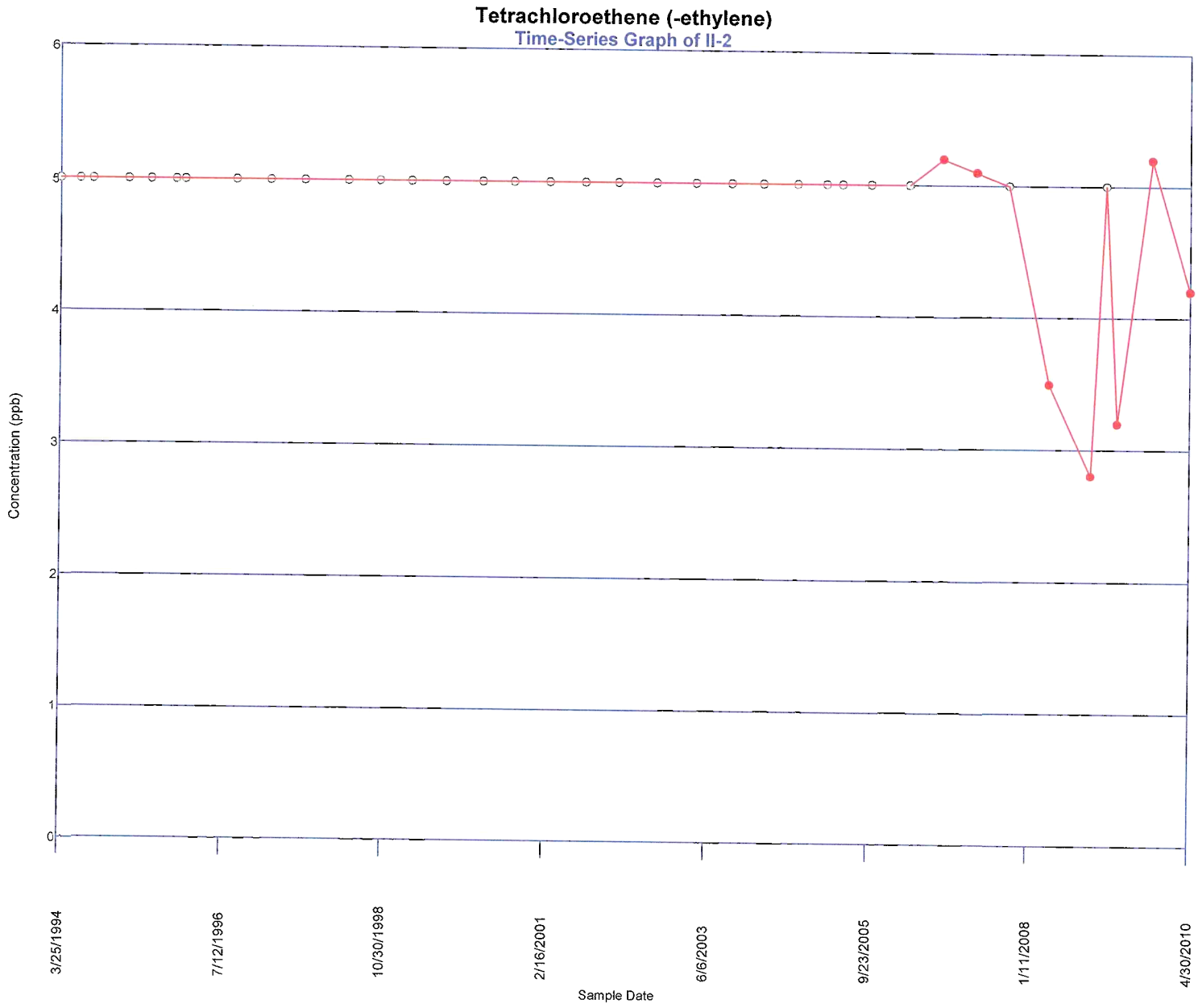

Benzene
Time-Series Graph of II-1
Concentration (ppb)
0
1
2
3
4
5
6
7
3/25/1994
7/12/1996
10/30/1998
2/16/2001
6/6/2003
9/23/2005
1/11/2008
4/30/2010
Sample Date

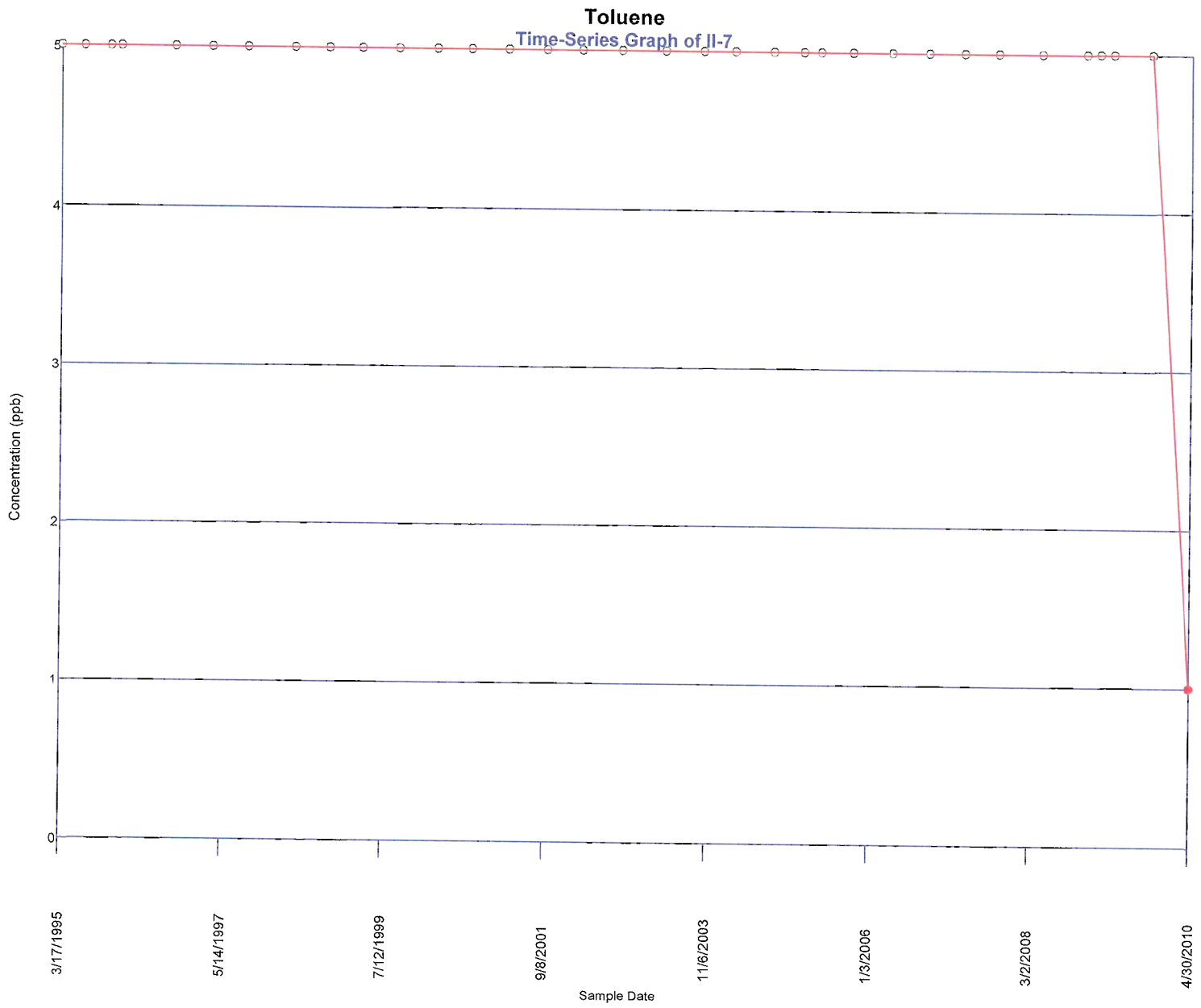

Benzene
Time-Series Graph of II-2
Concentration (ppb)
0
1
2
3
4
5
3/25/1994
7/12/1996
10/30/1998
2/16/2001
6/6/2003
9/23/2005
1/11/2008
4/30/2010
Sample Date

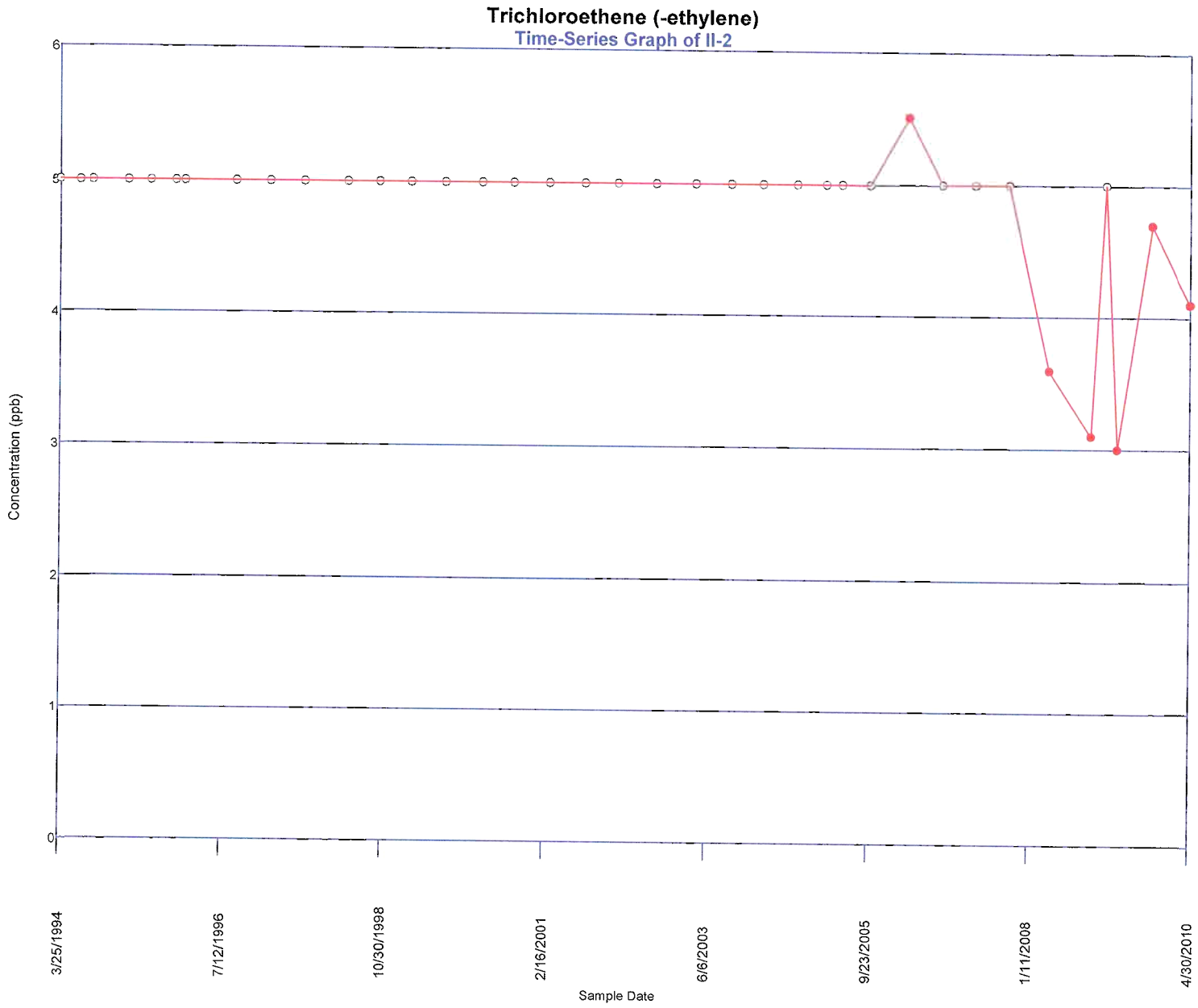

Benzene
Time-Series Graph of II-6
Concentration (ppb)
0
1
2
3
4
5
6
3/17/1995
5/14/1997
7/12/1999
9/8/2001
11/6/2003
1/3/2006
3/2/2008
4/30/2010
Sample Date

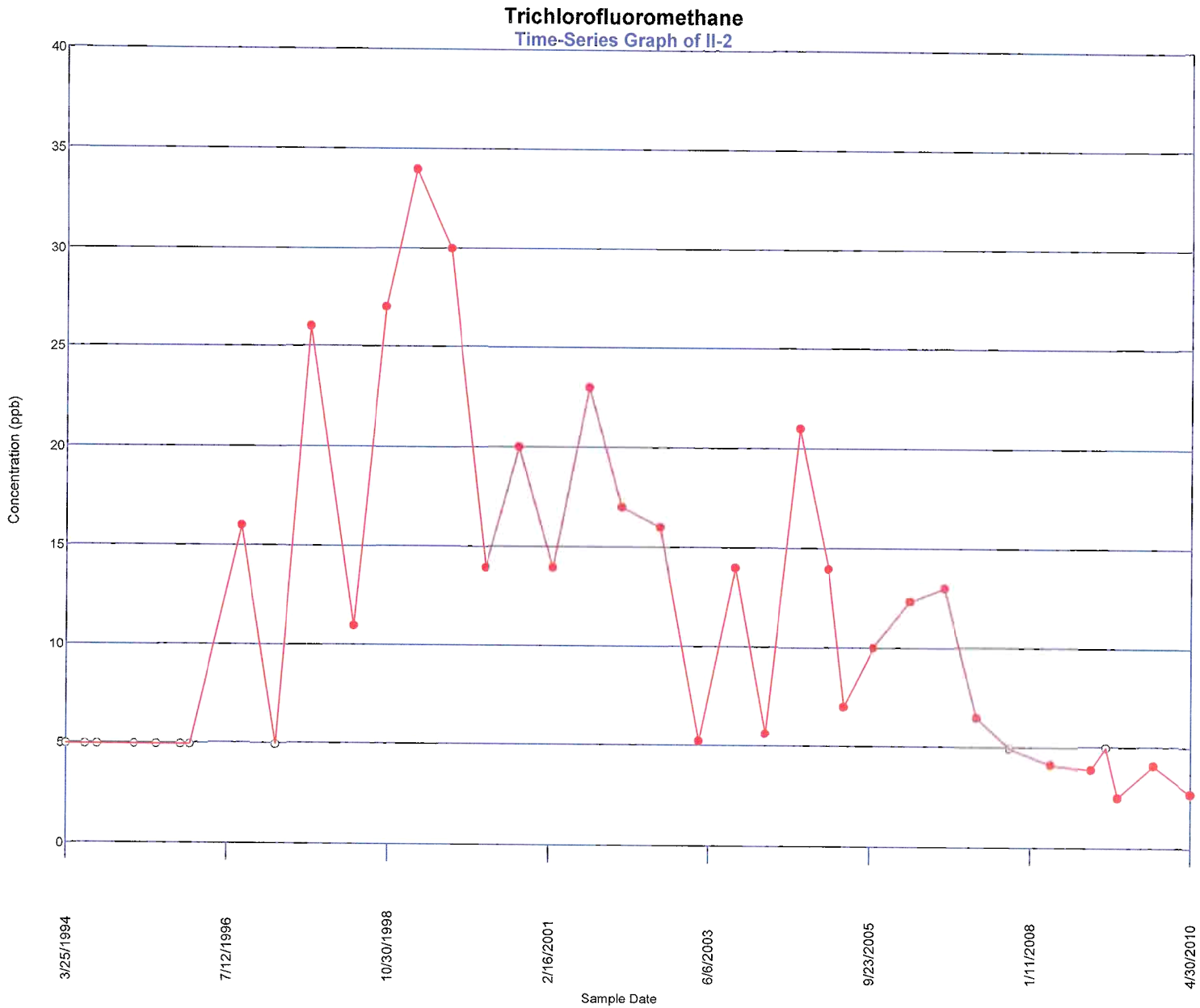

Chlorobenzene
Time-Series Graph of II-6
Concentration (ppb)
5
4
3
2
1
0
3/17/1995
5/14/1997
7/12/1999
9/8/2001
11/6/2003
1/3/2006
3/2/2008
4/30/2010
Sample Date


cis-1,2-Dichloroethene (-ethylene)
Time-Series Graph of II-2
Concentration (ppb)
20
15
10
5
0
3/25/1994
7/12/1996
10/30/1998
2/16/2001
6/6/2003
9/23/2005
1/11/2008
4/30/2010
Sample Date


Tetrachloroethene (-ethylene)
Time-Series Graph of II-2
Concentration (ppb)
0
1
2
3
4
5
6
3/25/1994
7/12/1996
10/30/1998
2/16/2001
6/6/2003
9/23/2005
1/11/2008
4/30/2010
Sample Date

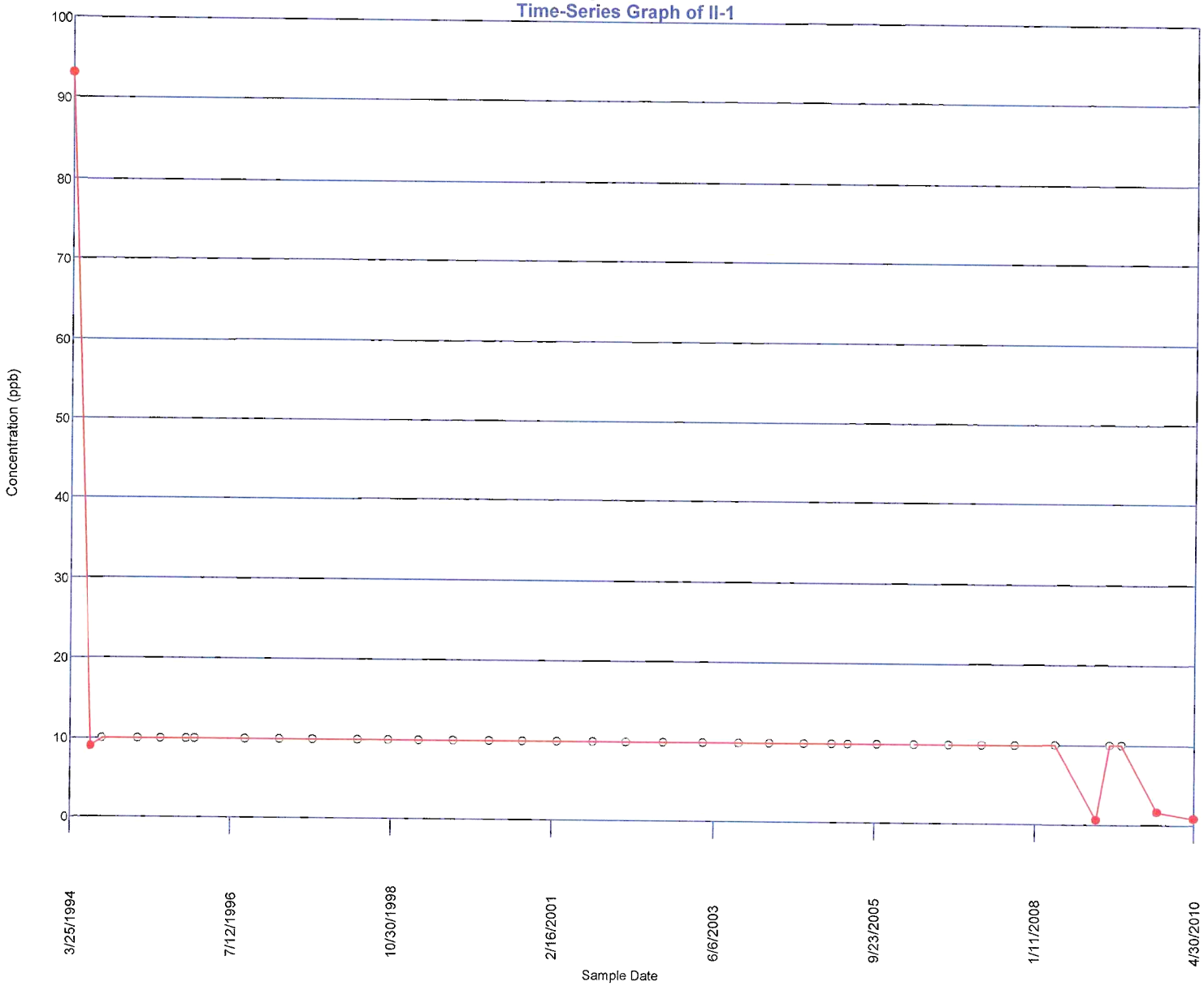

Toluene
Time-Series Graph of II-7
Concentration (ppb)
5
4
3
2
1
0
3/17/1995
5/14/1997
7/12/1999
9/8/2001
11/6/2003
1/3/2006
3/2/2008
4/30/2010
Sample Date

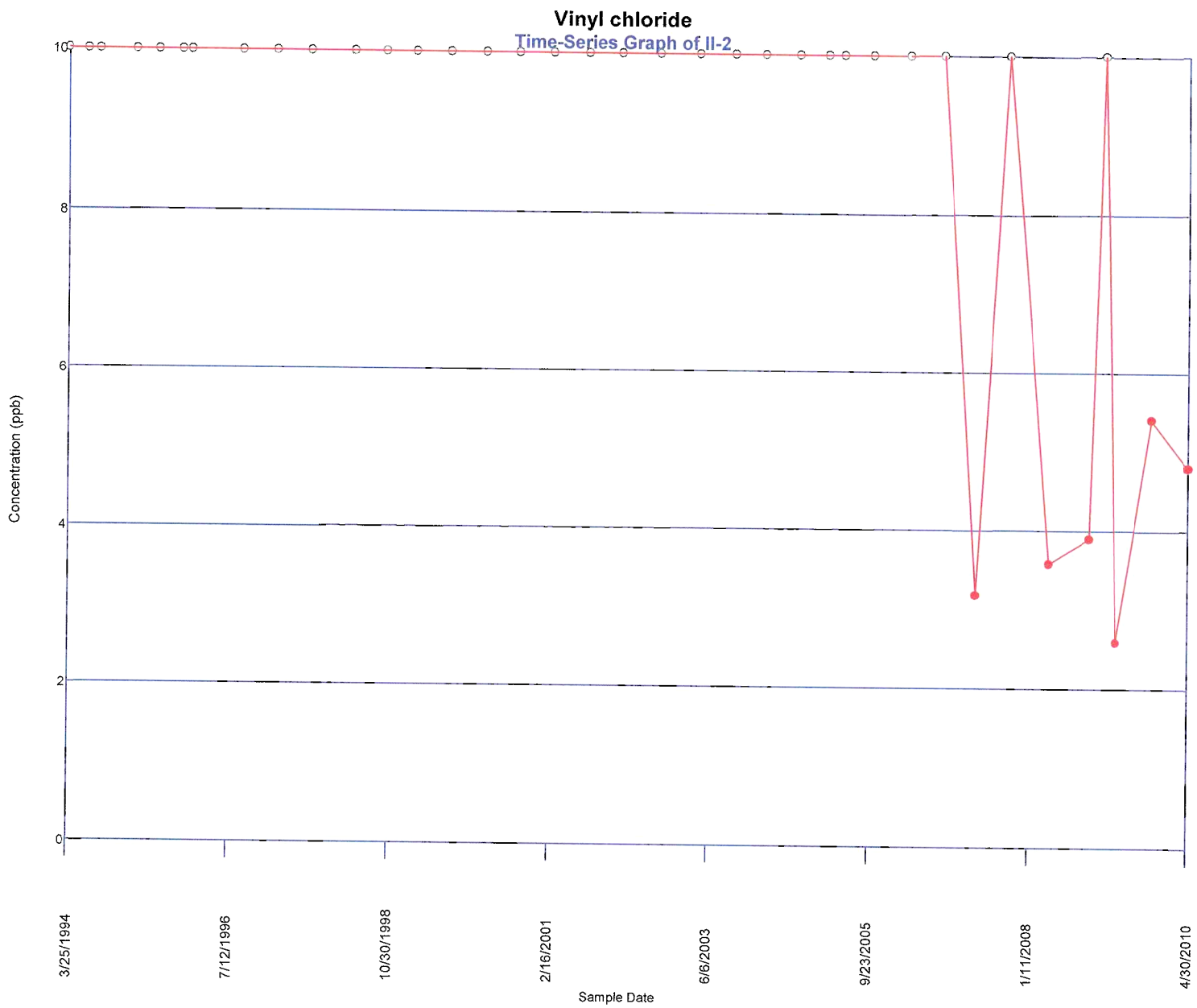

Trichloroethene (-ethylene)
Time-Series Graph of II-2
Concentration (ppb)
6
5
4
3
2
1
0
3/25/1994
7/12/1996
10/30/1998
2/16/2001
6/6/2003
9/23/2005
1/11/2008
4/30/2010
Sample Date

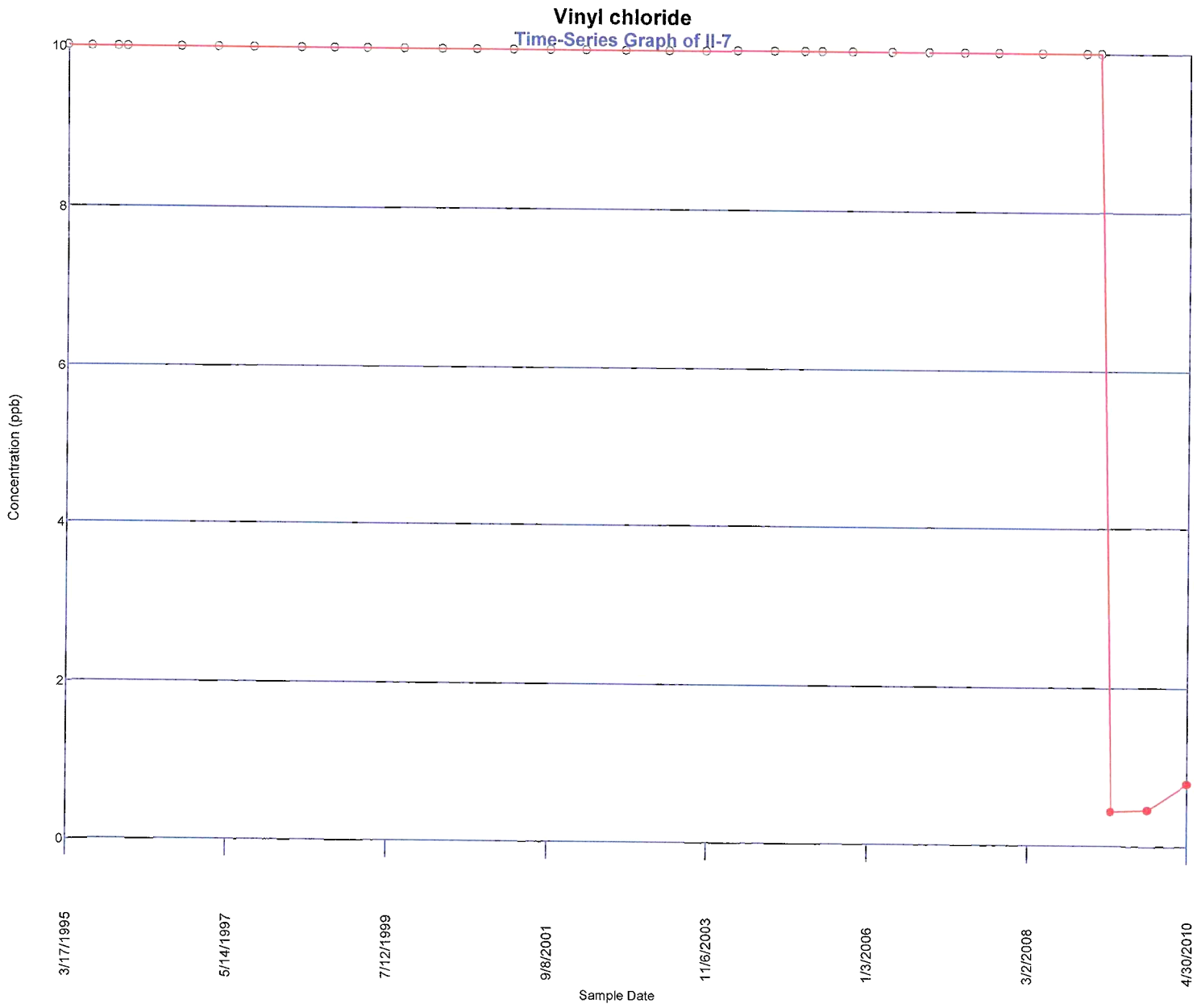

Trichlorofluoromethane
Time-Series Graph of II-2
Concentration (ppb)
40
35
30
25
20
15
10
5
0
3/25/1994
7/12/1996
10/30/1998
2/16/2001
6/6/2003
9/23/2005
1/11/2008
4/30/2010
Sample Date

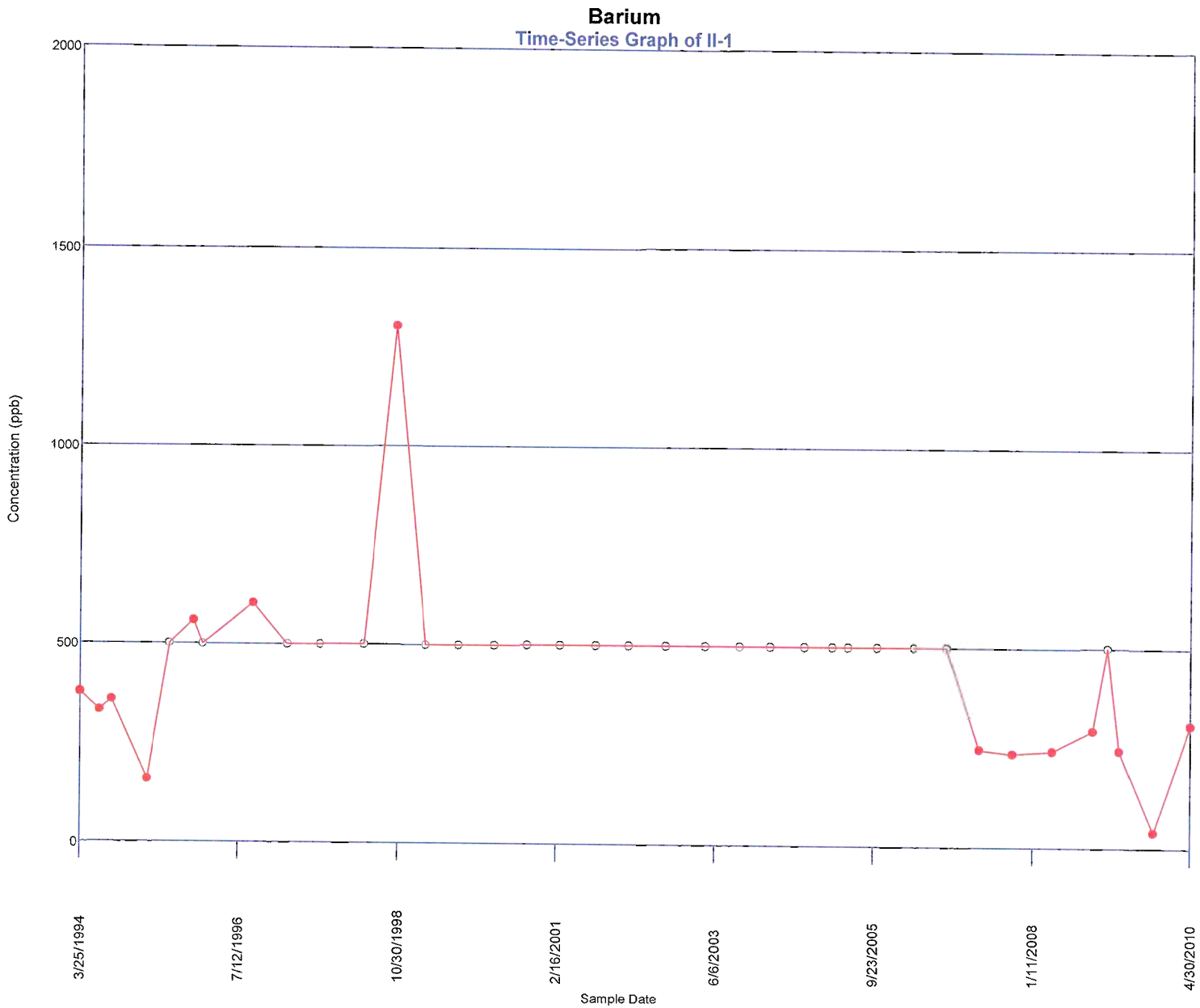
Vinyl chloride

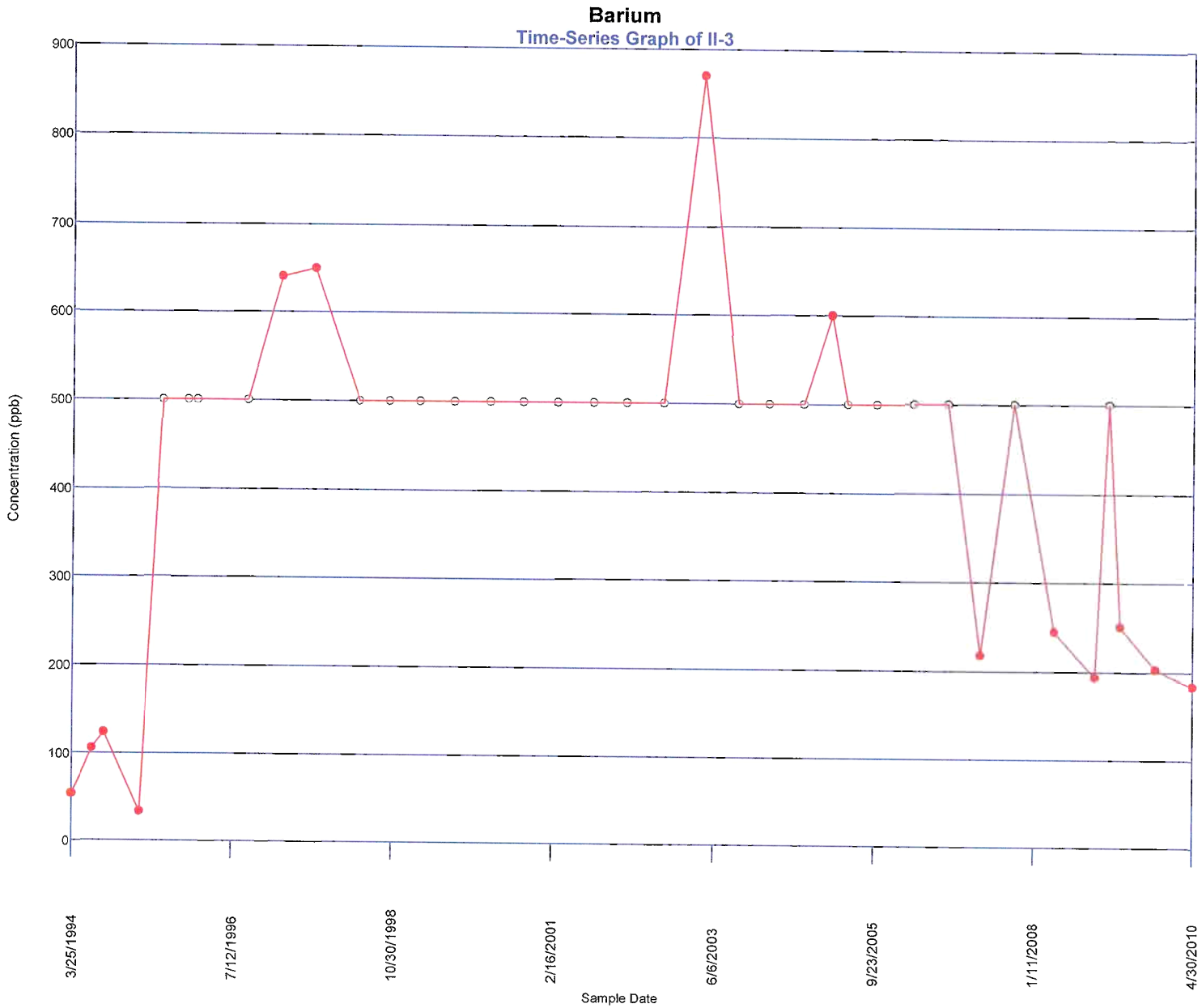
Time-Series Graph of II-1

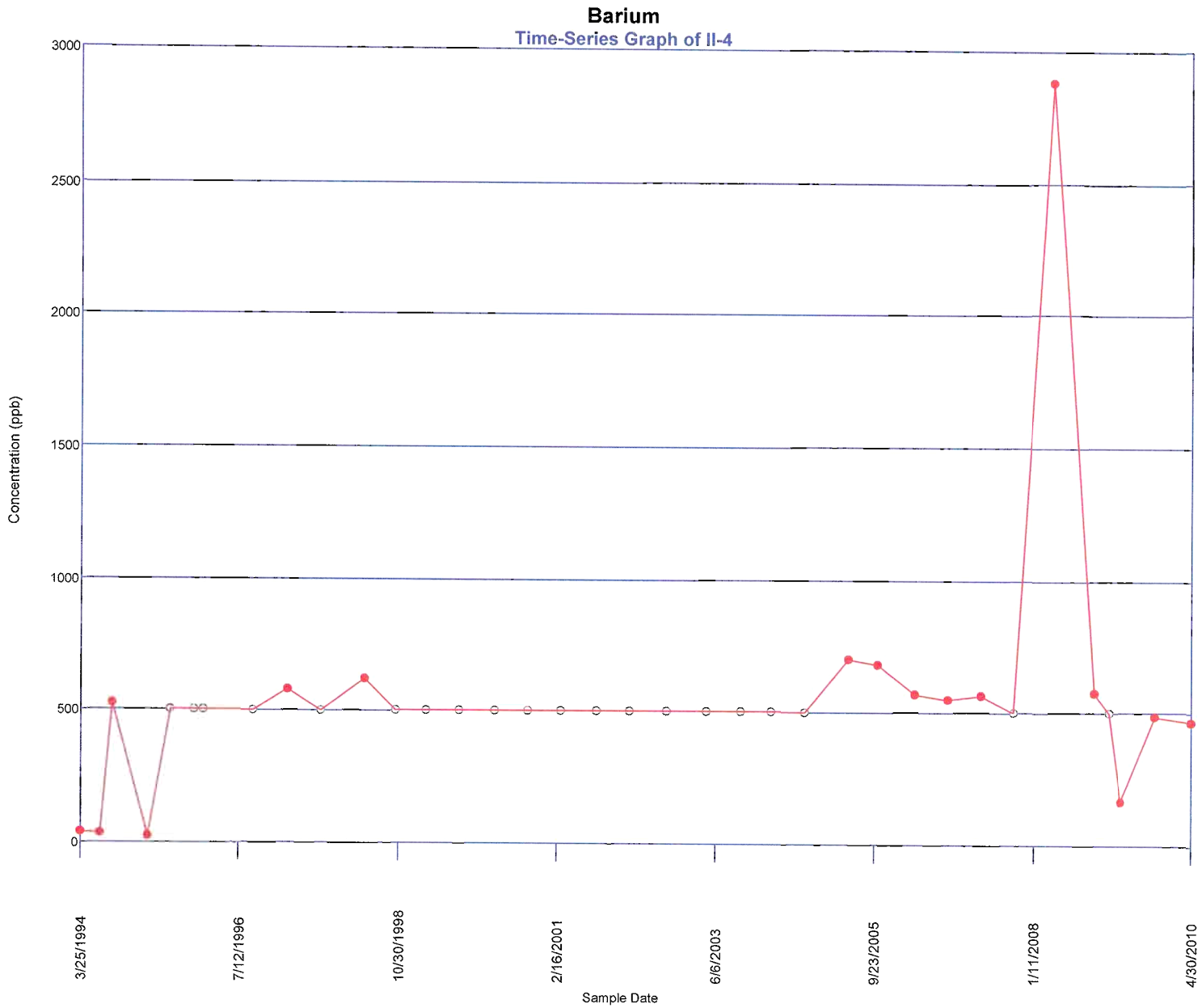


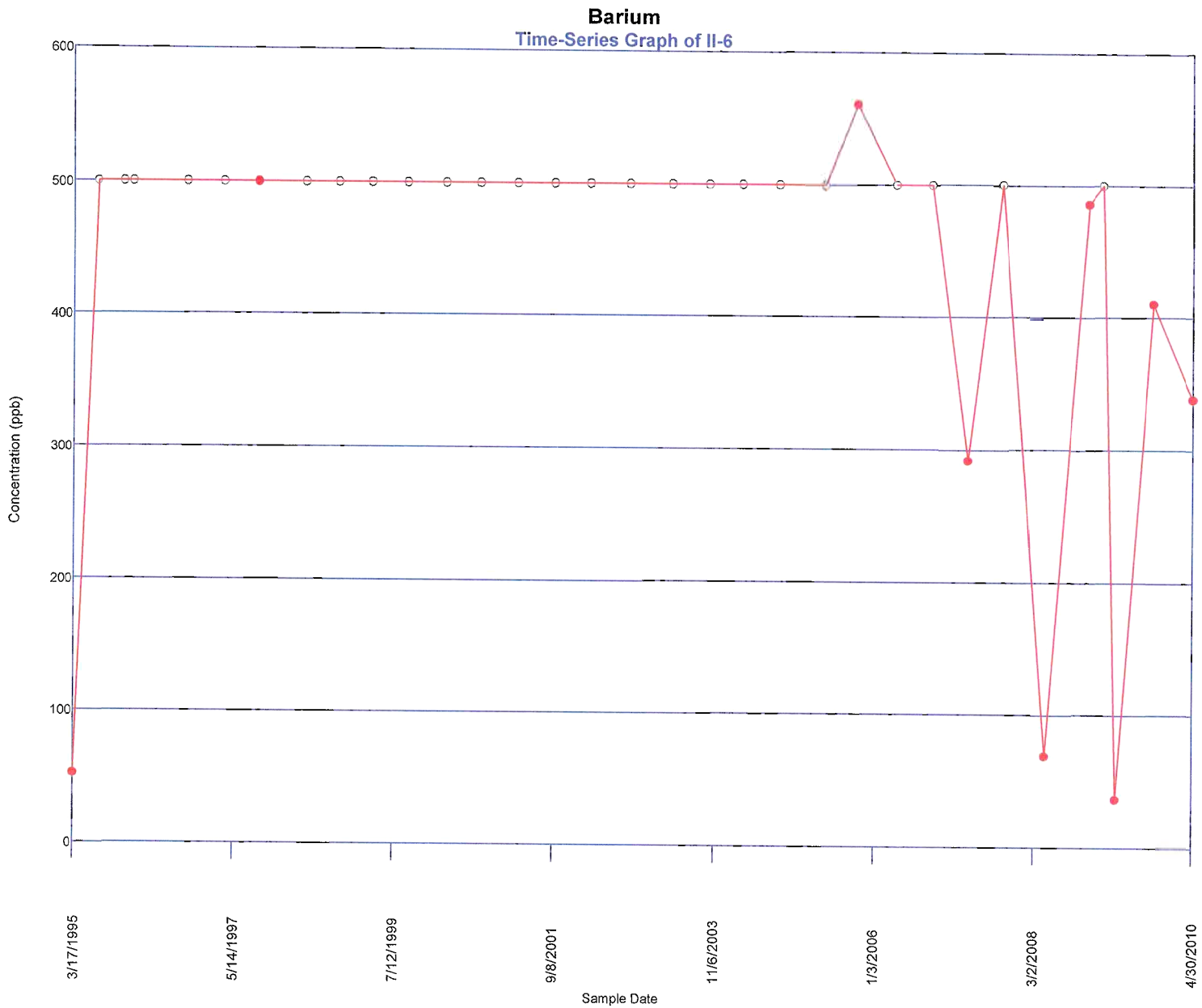

Vinyl chloride
Time-Series Graph of II-2
Concentration (ppb)
10
8
6
4
2
0
3/25/1994
7/12/1996
10/30/1998
2/16/2001
6/6/2003
9/23/2005
1/11/2008
4/30/2010
Sample Date

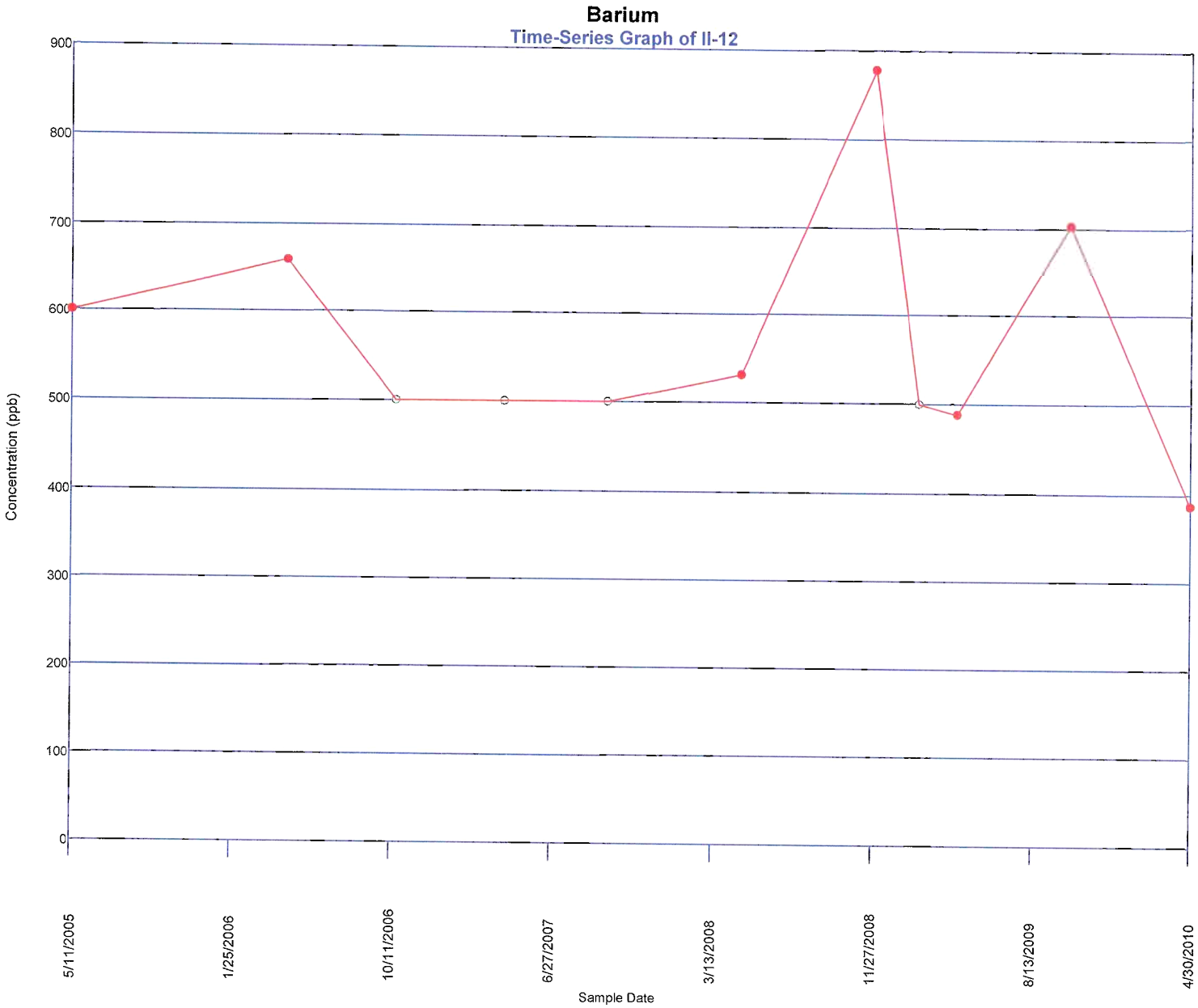

Vinyl chloride
Time-Series Graph of II-7
Concentration (ppb)
10
8
6
4
2
0
3/17/1995
5/14/1997
7/12/1999
9/8/2001
11/6/2003
1/3/2006
3/2/2008
4/30/2010
Sample Date

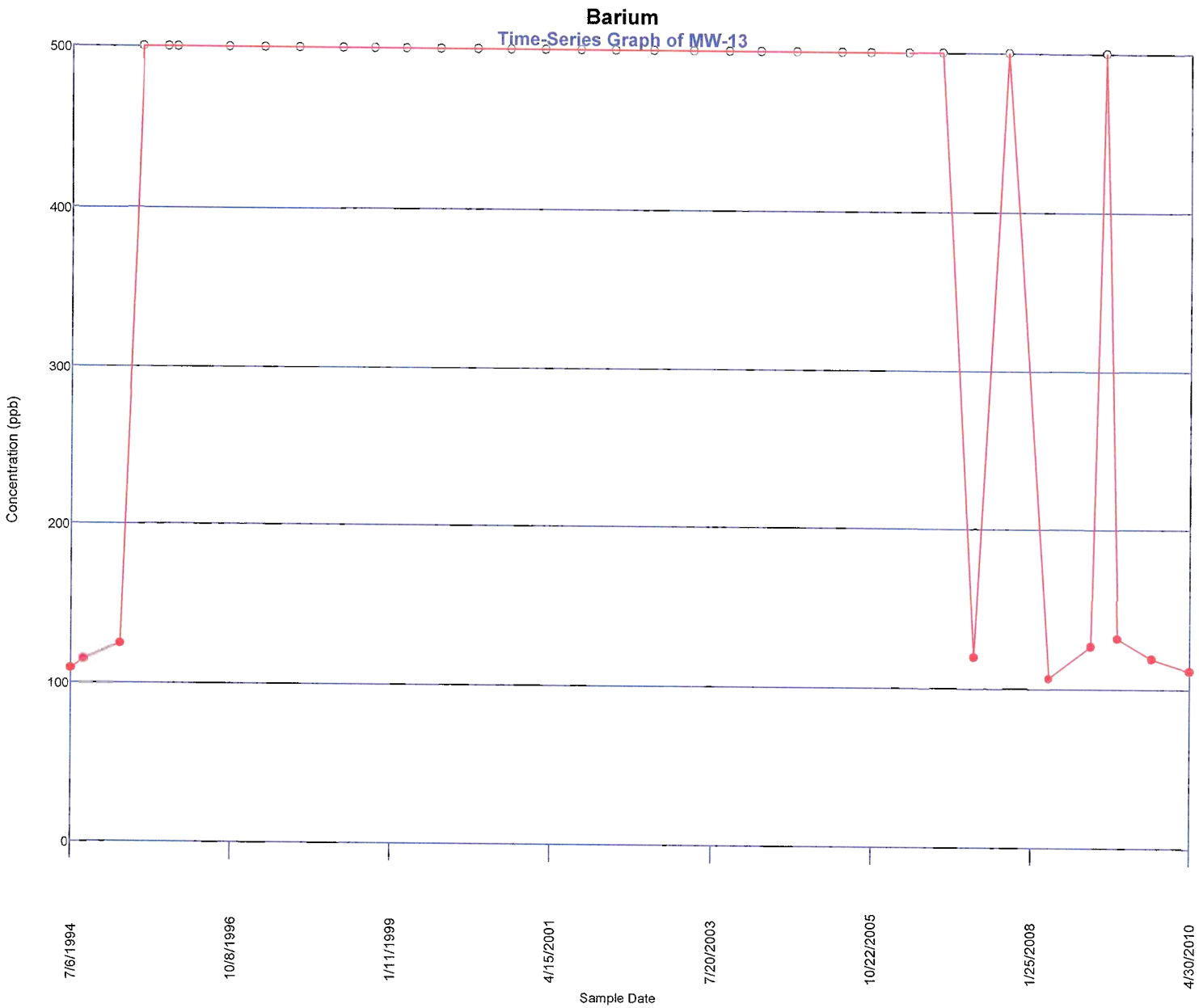

Barium
Time-Series Graph of II-1
2000
1500
1000
500
0
Concentration (ppb)
3/25/1994
7/12/1996
10/30/1998
2/16/2001
6/6/2003
9/23/2005
1/11/2008
4/30/2010
Sample Date

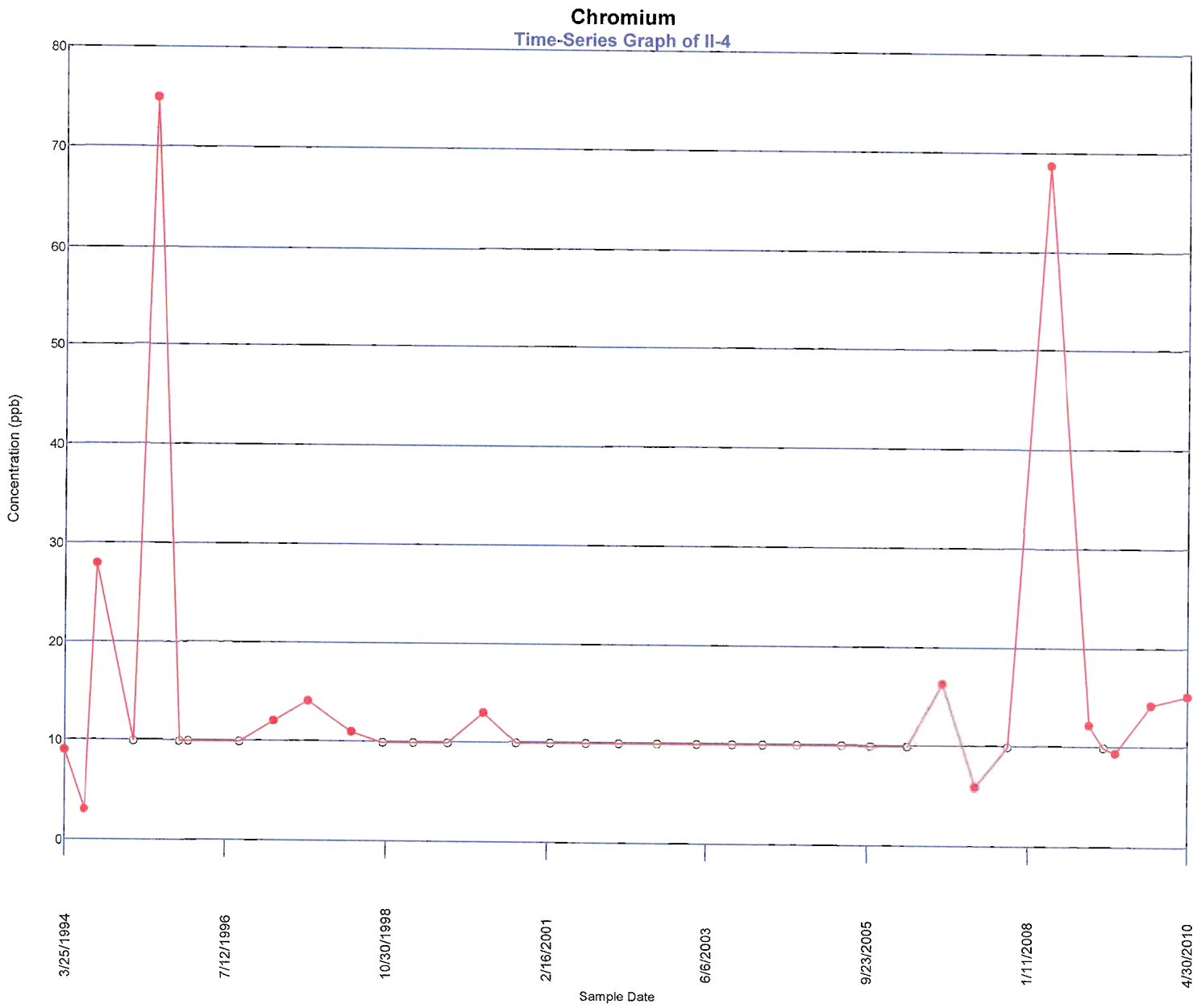

Barium
Time-Series Graph of II-3
Concentration (ppb)
900
800
700
600
500
400
300
200
100
0
3/25/1994
7/12/1996
10/30/1998
2/16/2001
6/6/2003
9/23/2005
1/11/2008
4/30/2010
Sample Date

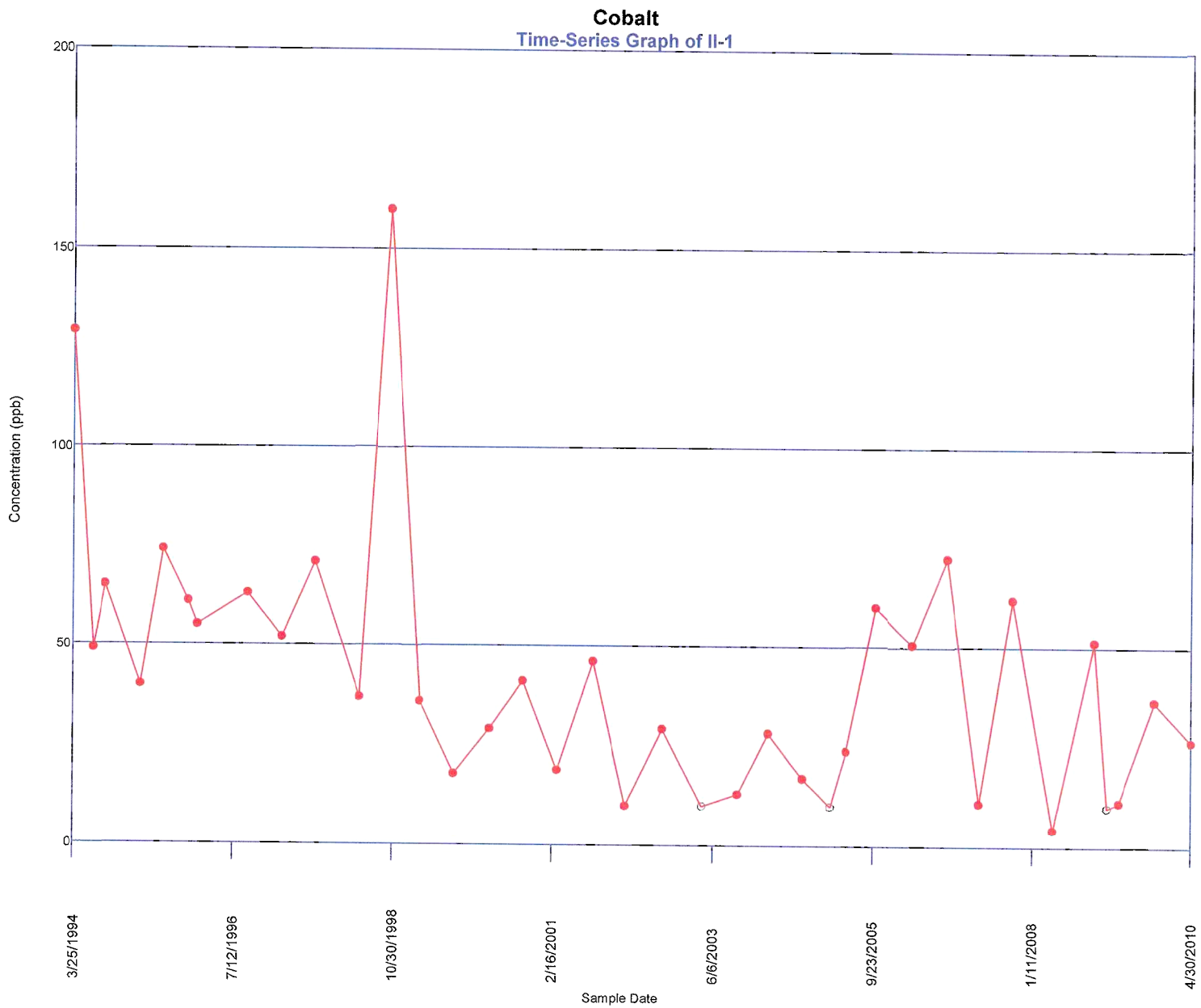

Barium
Time-Series Graph of II-4
Concentration (ppb)
3000
2500
2000
1500
1000
500
0
3/25/1994
7/12/1996
10/30/1998
2/16/2001
6/6/2003
9/23/2005
1/11/2008
4/30/2010
Sample Date

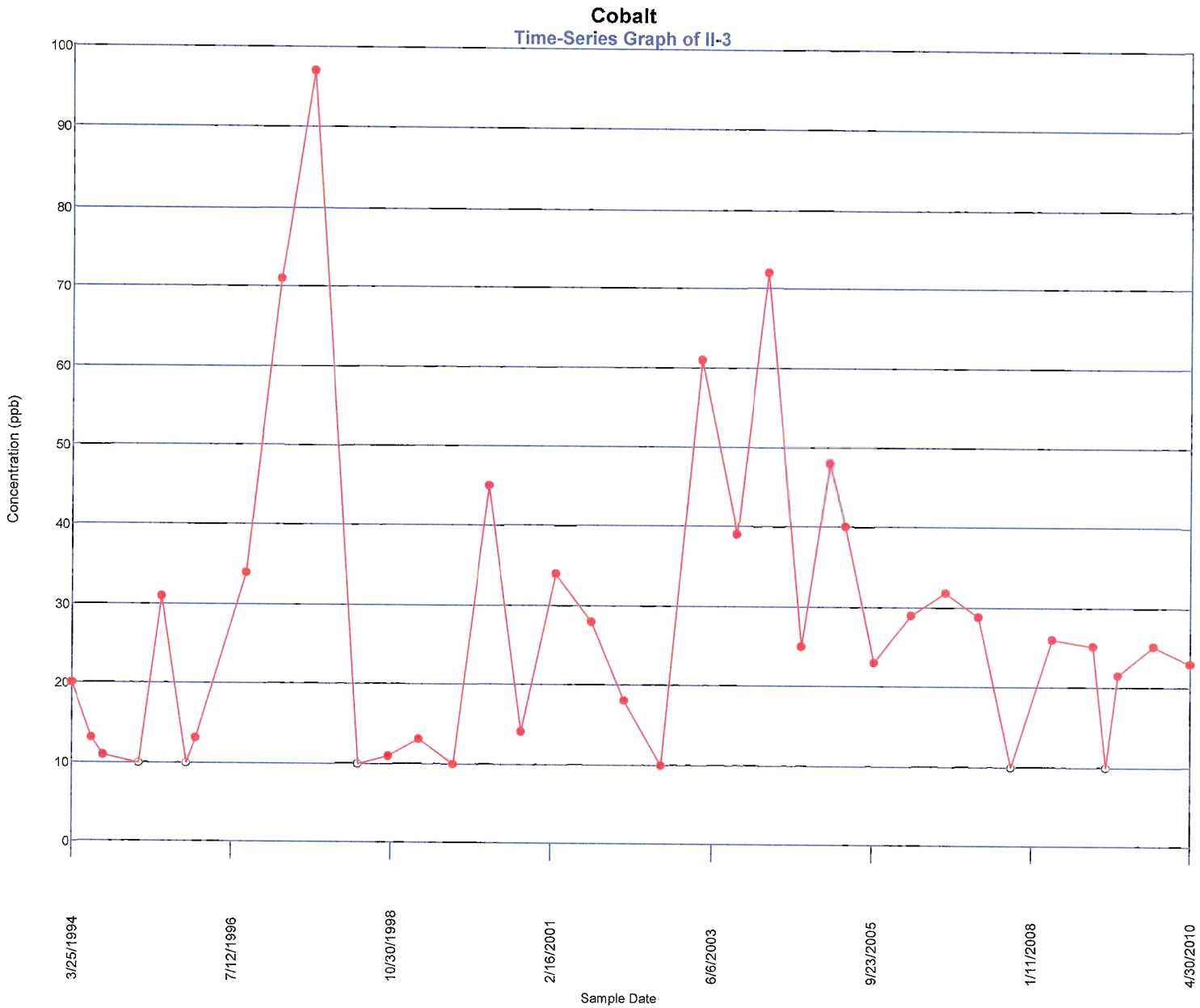

Barium
Time-Series Graph of II-6
Concentration (ppb)
600
500
400
300
200
100
0
3/17/1995
5/14/1997
7/12/1999
9/8/2001
11/6/2003
1/3/2006
3/2/2008
4/30/2010
Sample Date

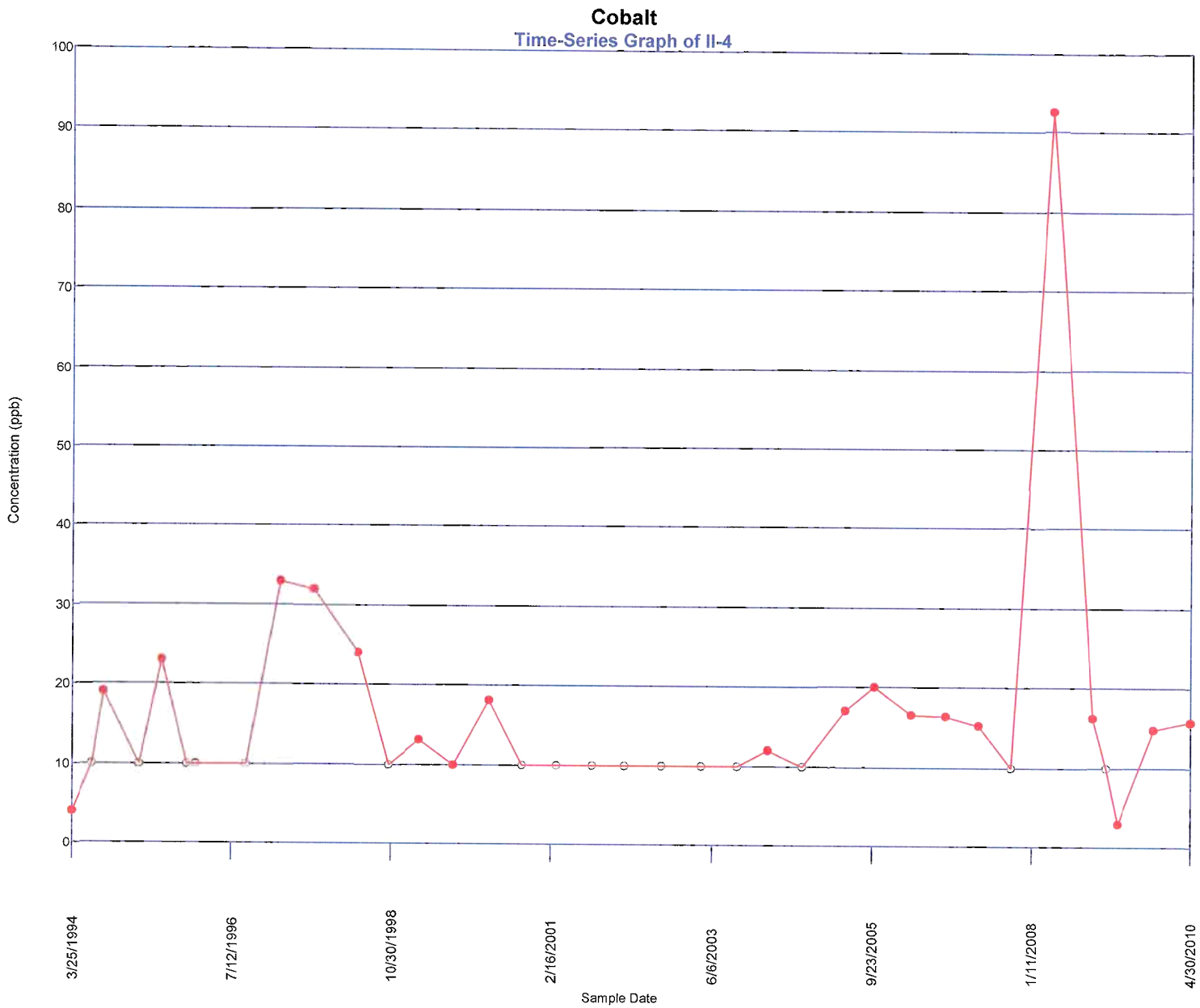

Barium
Time-Series Graph of II-12
Concentration (ppb)
900
800
700
600
500
400
300
200
100
0
5/11/2005
1/25/2006
10/11/2006
6/27/2007
3/13/2008
11/27/2008
8/13/2009
4/30/2010
Sample Date

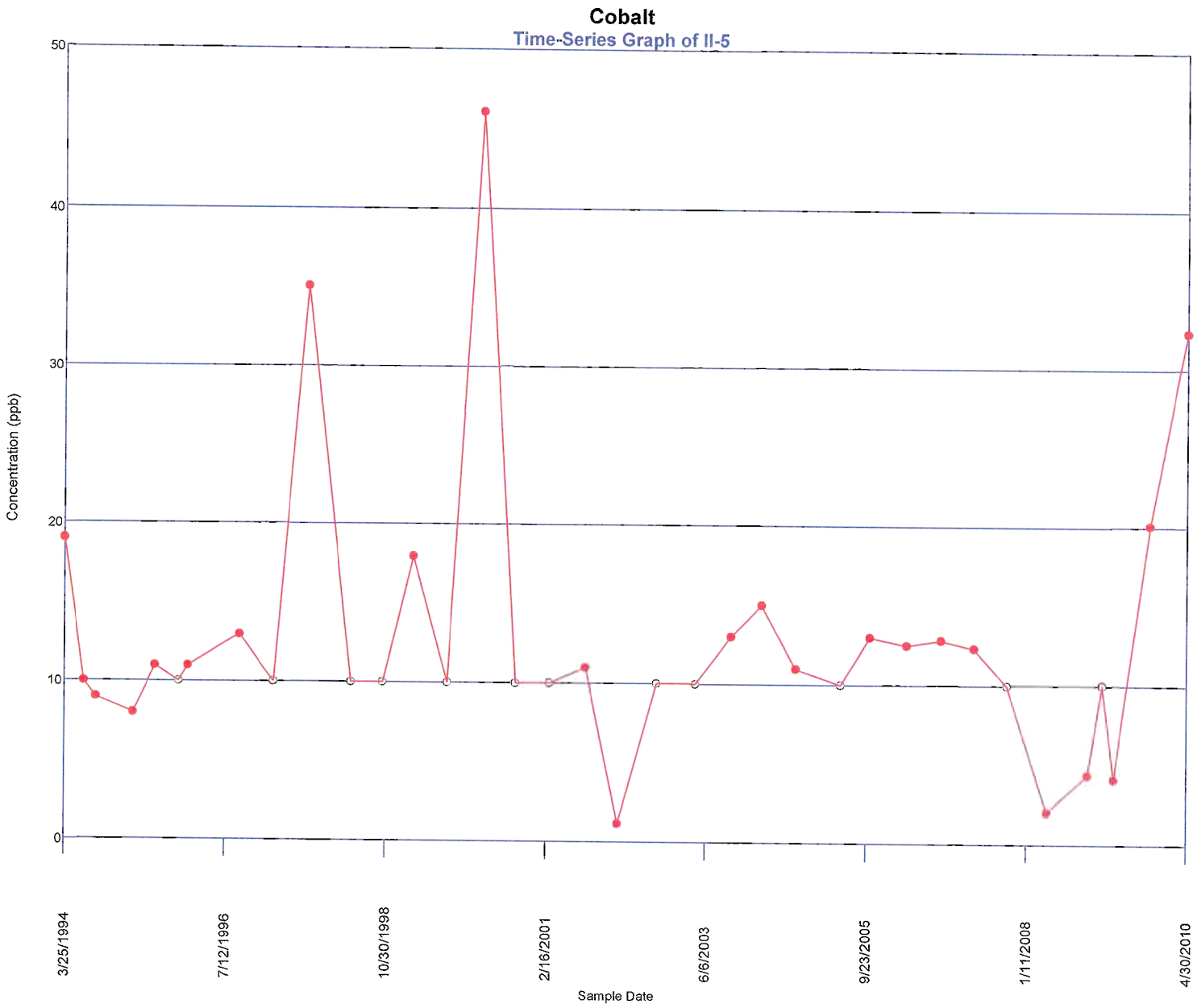

Barium
Time-Series Graph of MW-13
Concentration (ppb)
500
400
300
200
100
0
7/6/1994
10/8/1996
1/11/1999
4/15/2001
7/20/2003
10/22/2005
1/25/2008
4/30/2010
Sample Date

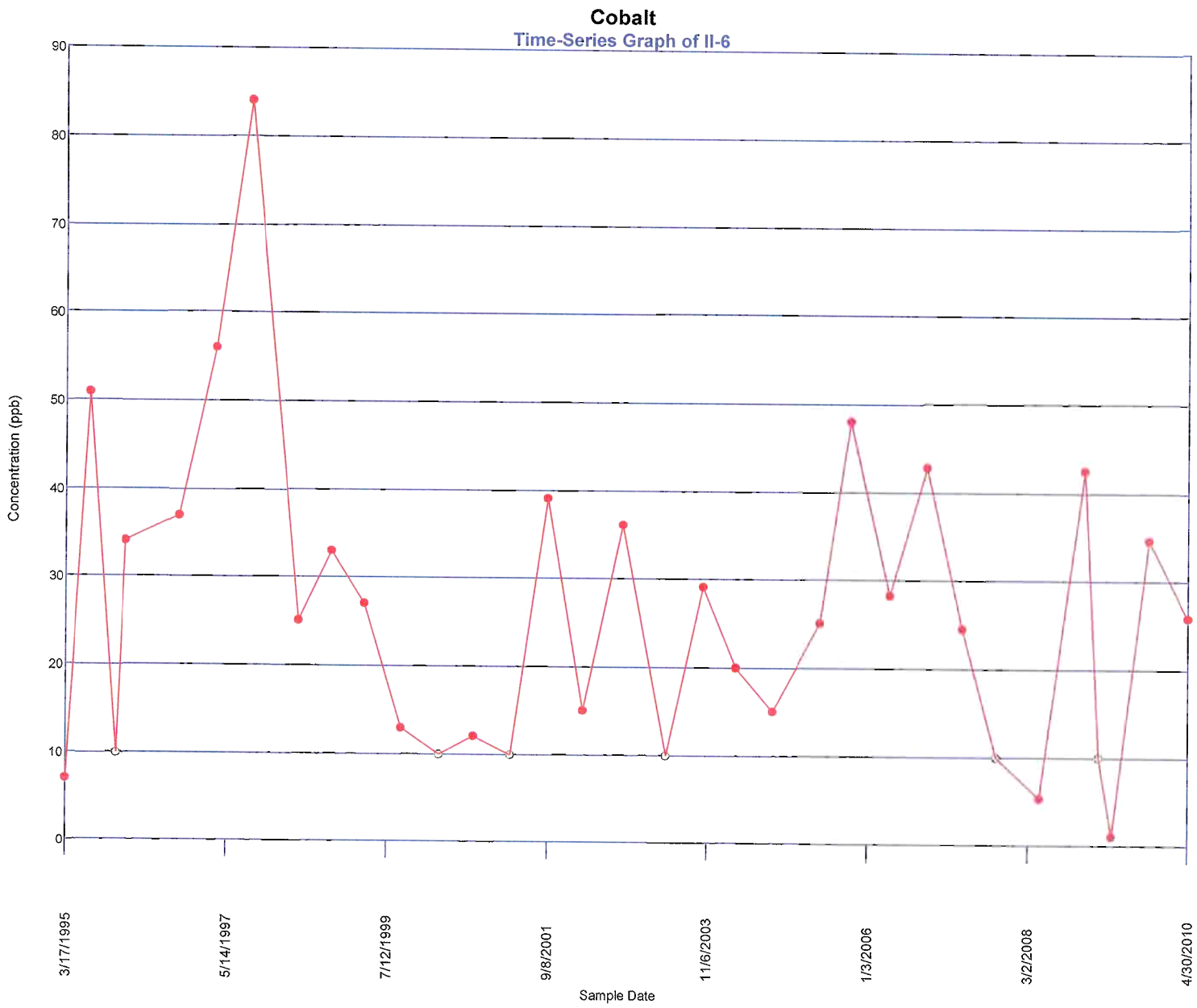

Chromium
Time-Series Graph of II-4
Concentration (ppb)
80
70
60
50
40
30
20
10
0
3/25/1994
7/12/1996
10/30/1998
2/16/2001
6/6/2003
9/23/2005
1/11/2008
4/30/2010
Sample Date

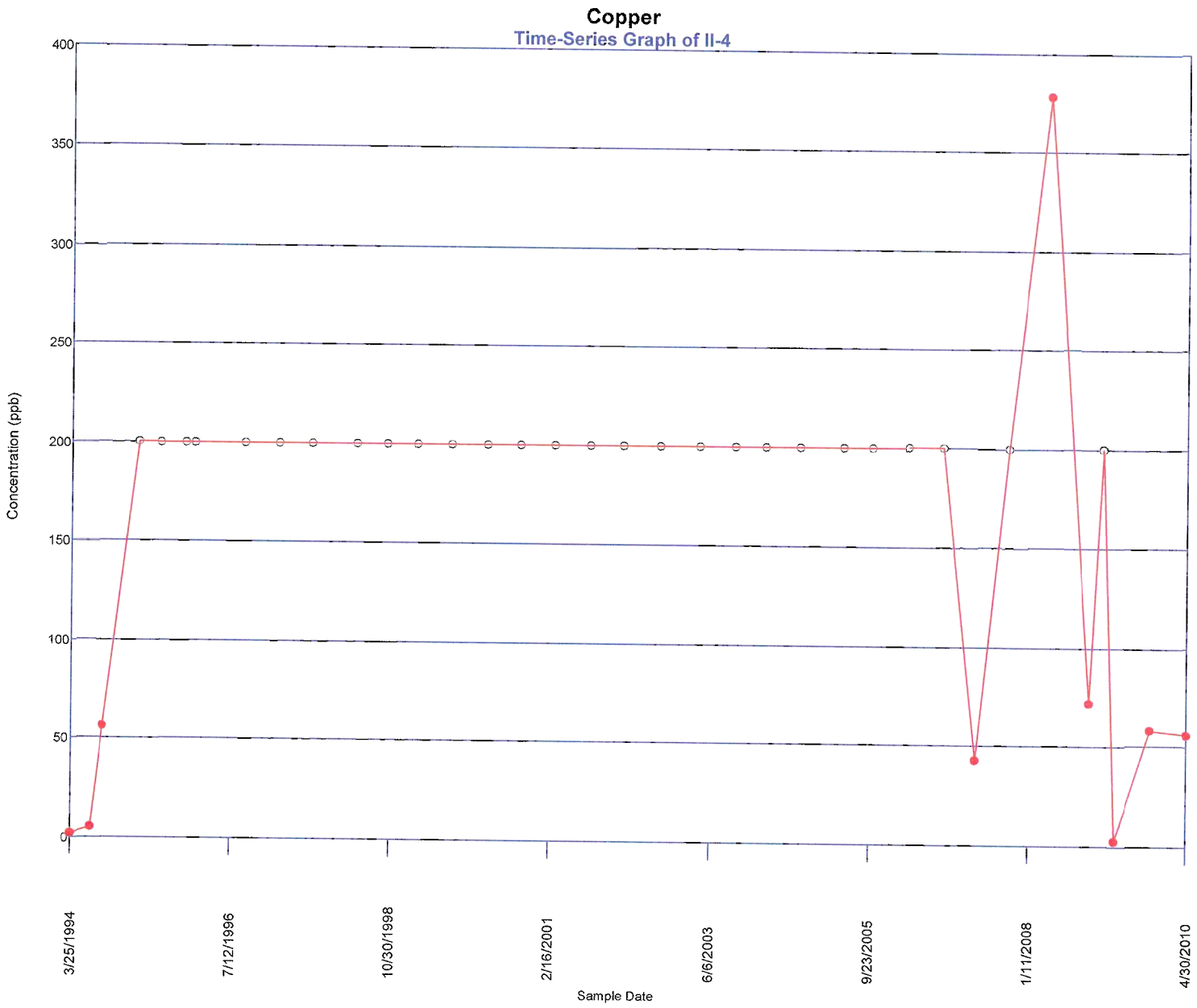

Cobalt
Time-Series Graph of II-1
Concentration (ppb)
200
150
100
50
0
3/25/1994
7/12/1996
10/30/1998
2/16/2001
6/6/2003
9/23/2005
1/11/2008
4/30/2010
Sample Date


Cobalt
Time-Series Graph of II-3
Concentration (ppb)
100
90
80
70
60
50
40
30
20
10
0
3/25/1994
7/12/1996
10/30/1998
2/16/2001
6/6/2003
9/23/2005
1/11/2008
4/30/2010
Sample Date


Cobalt
Time-Series Graph of II-4
Concentration (ppb)
100
90
80
70
60
50
40
30
20
10
0
3/25/1994
7/12/1996
10/30/1998
2/16/2001
6/6/2003
9/23/2005
1/11/2008
4/30/2010
Sample Date

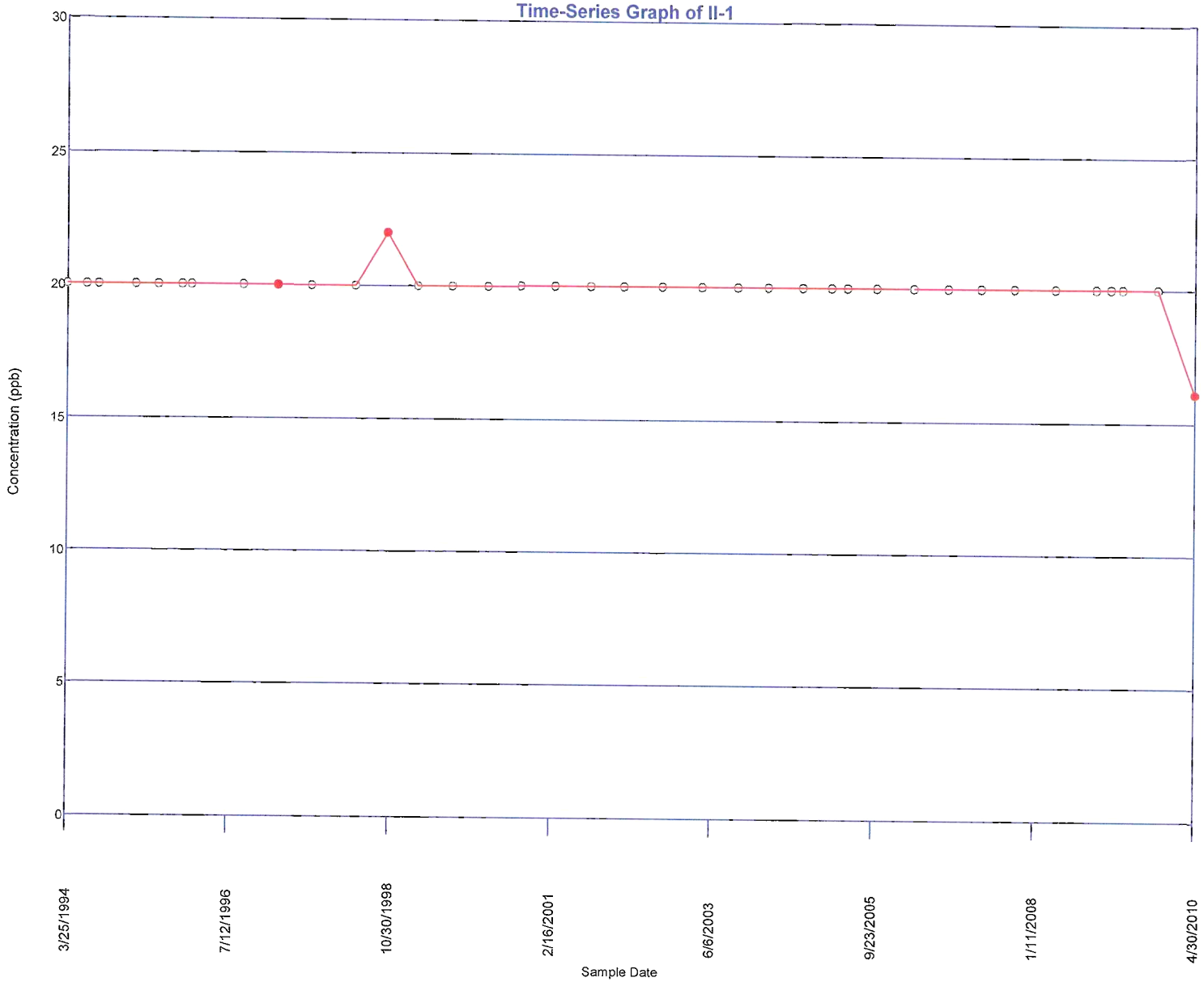

Cobalt
Time-Series Graph of II-5
Concentration (ppb)
50
40
30
20
10
0
3/25/1994
7/12/1996
10/30/1998
2/16/2001
6/6/2003
9/23/2005
1/11/2008
4/30/2010
Sample Date

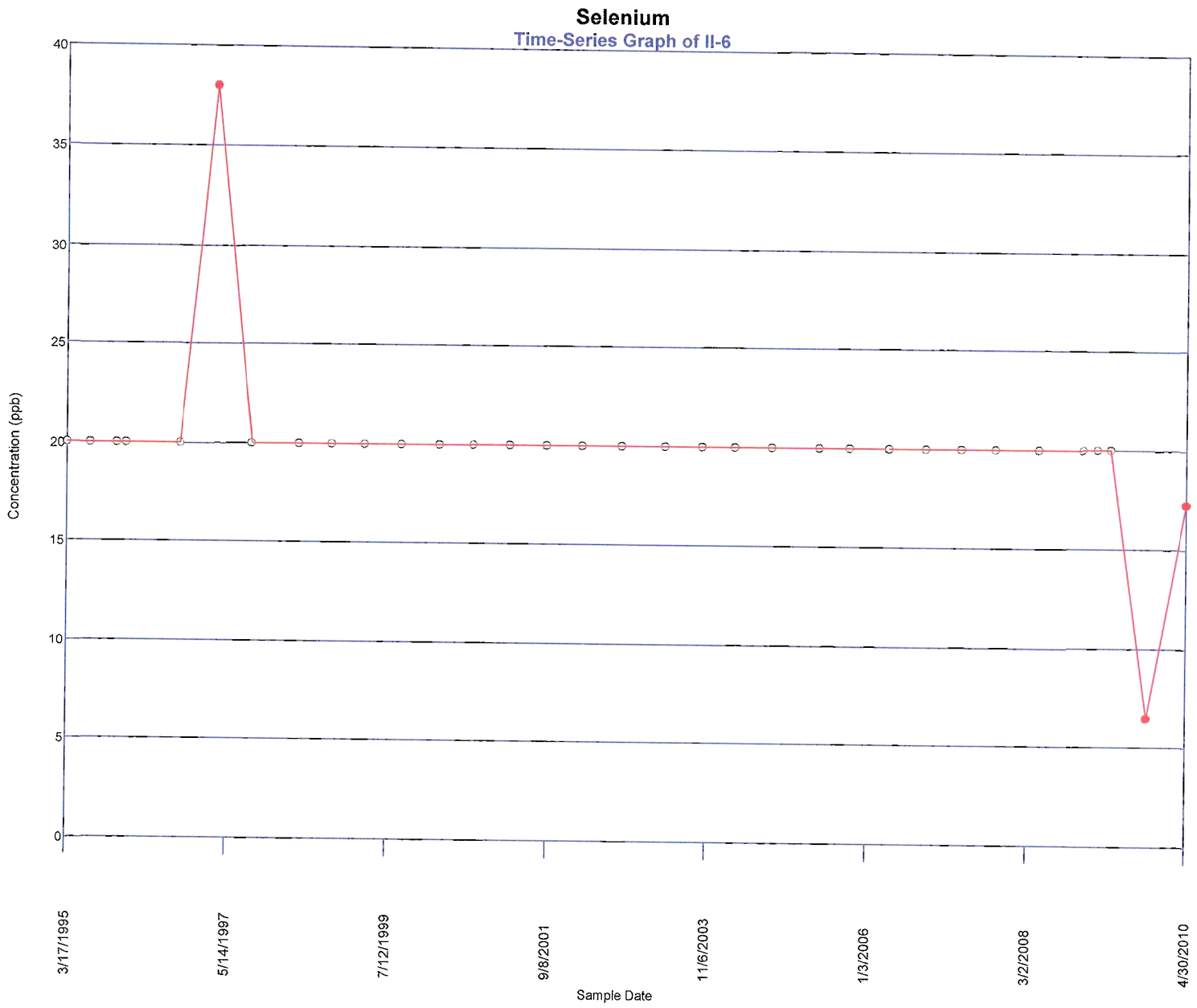

Cobalt
Time-Series Graph of II-6
Concentration (ppb)
90
80
70
60
50
40
30
20
10
0
3/17/1995
5/14/1997
7/12/1999
9/8/2001
11/6/2003
1/3/2006
3/2/2008
4/30/2010
Sample Date

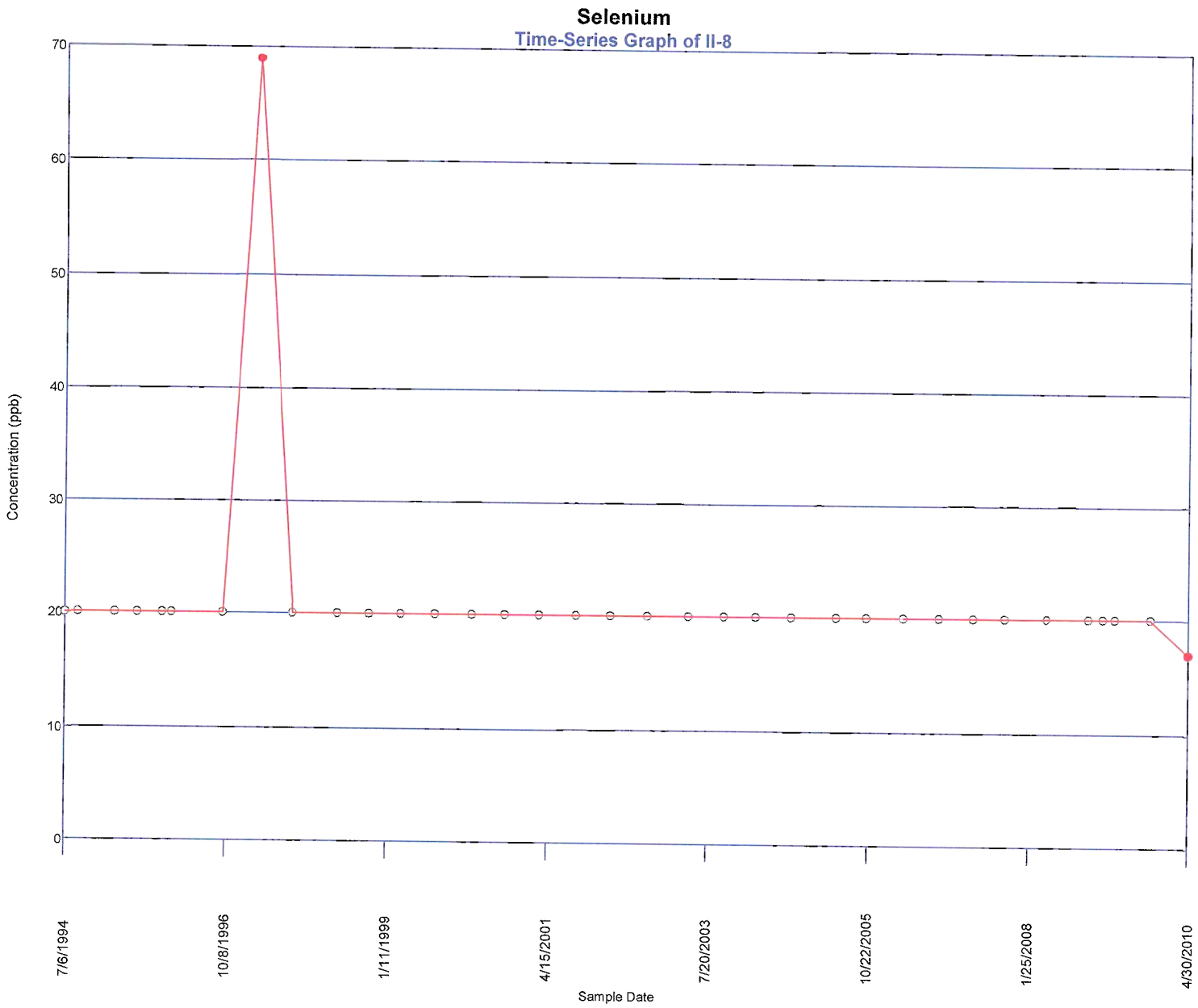

Copper
Time-Series Graph of II-4
Concentration (ppb)
400
350
300
250
200
150
100
50
0
3/25/1994
7/12/1996
10/30/1998
2/16/2001
6/6/2003
9/23/2005
1/11/2008
4/30/2010
Sample Date

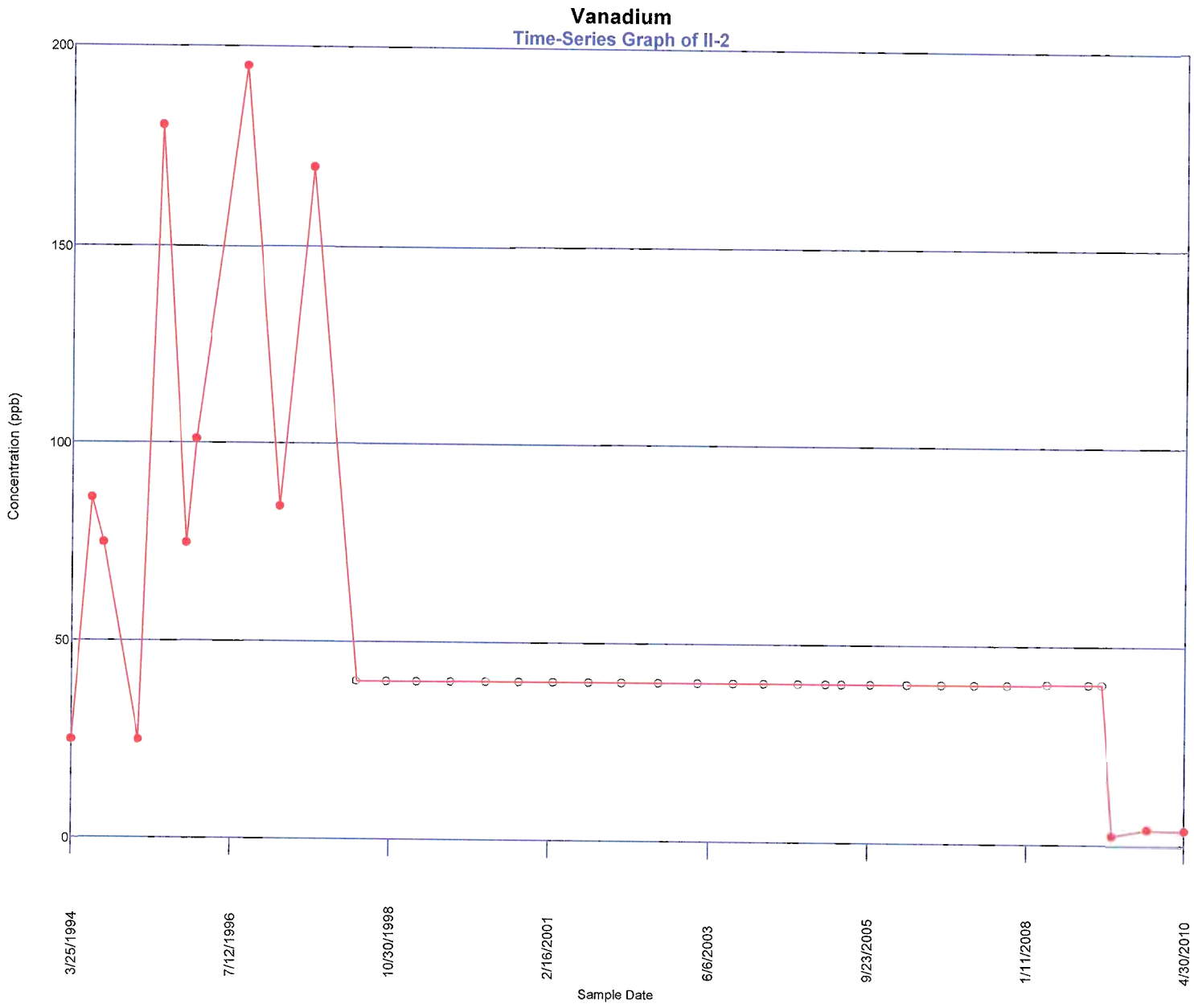
Selenium

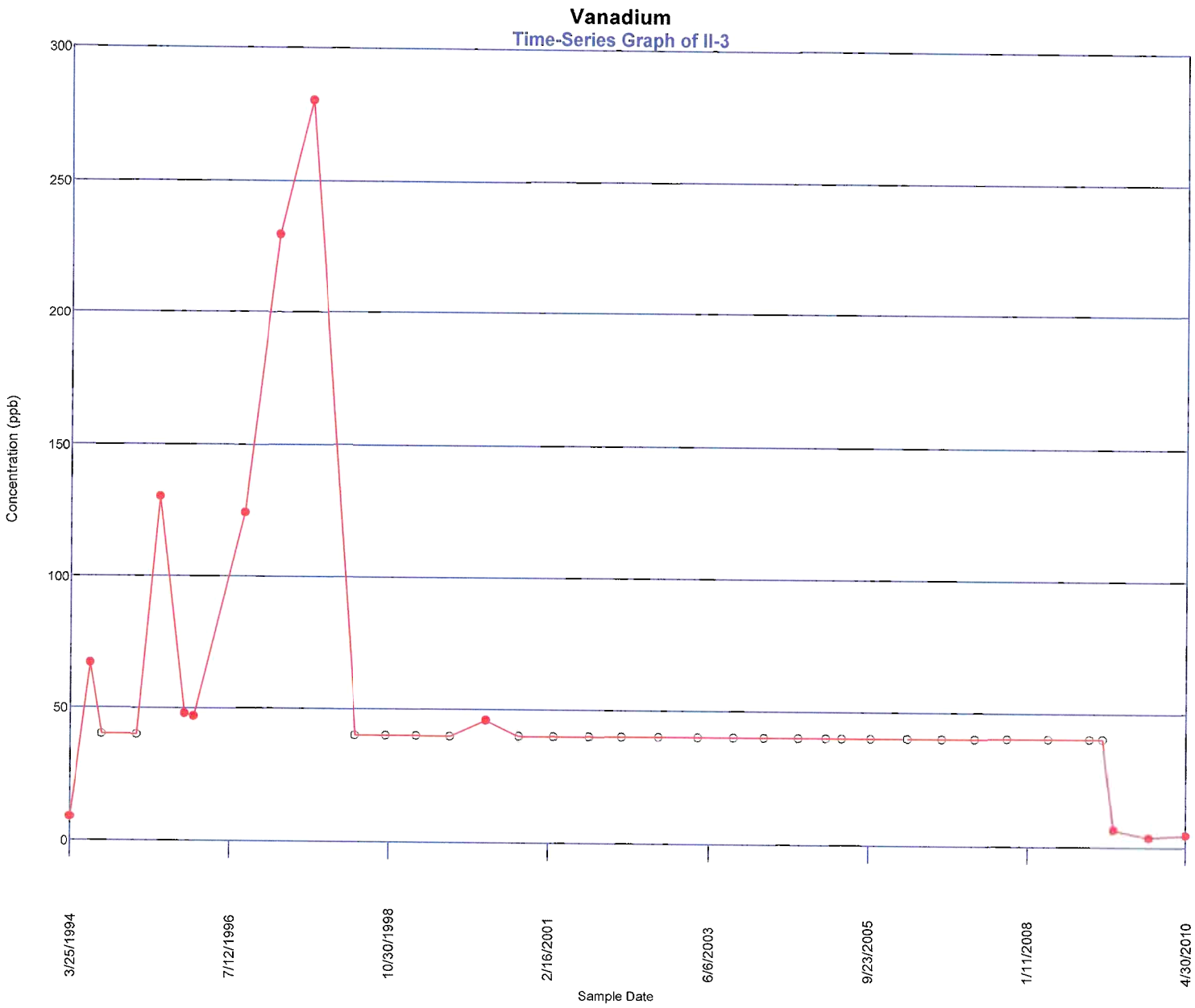
Time-Series Graph of II-1

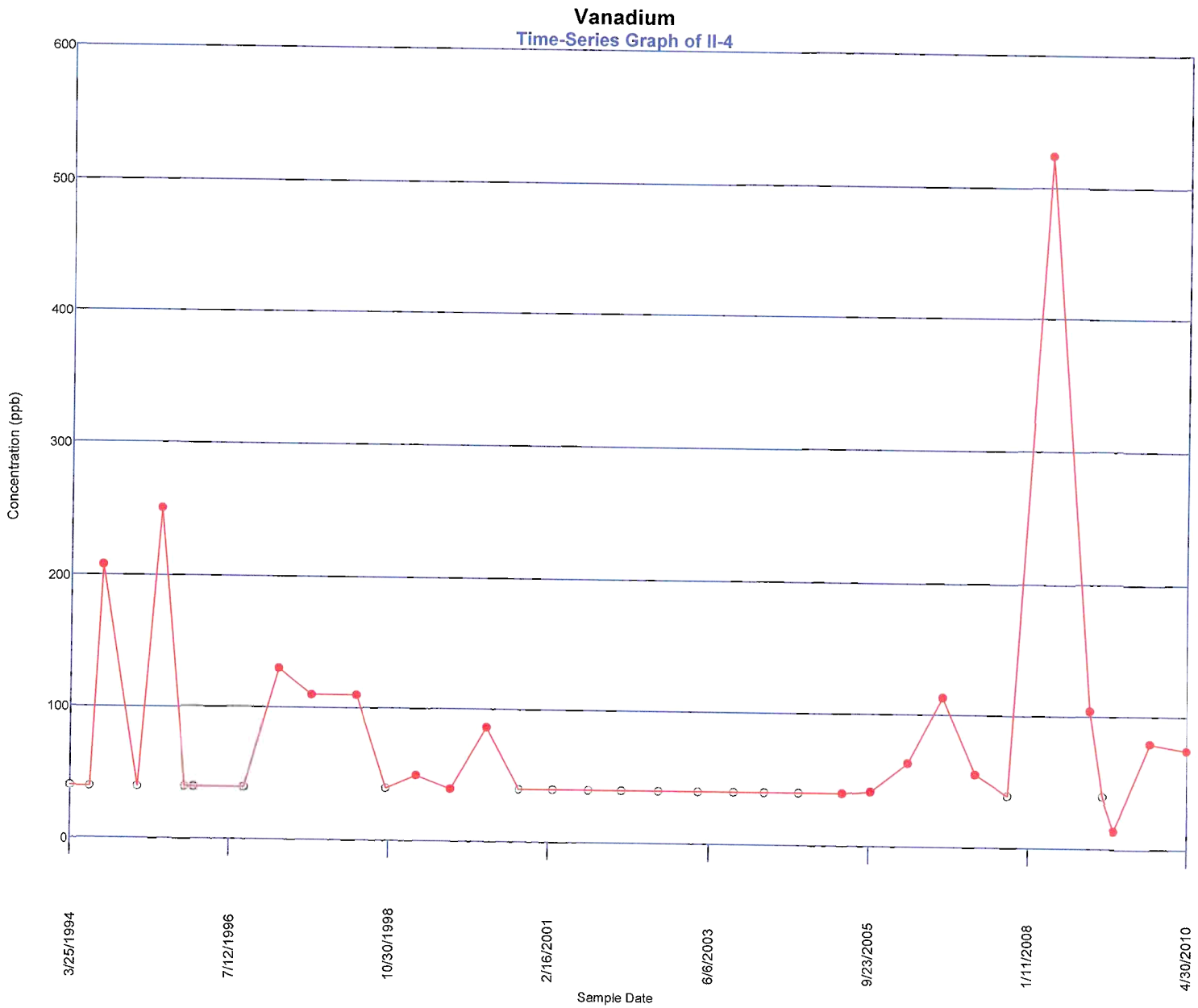


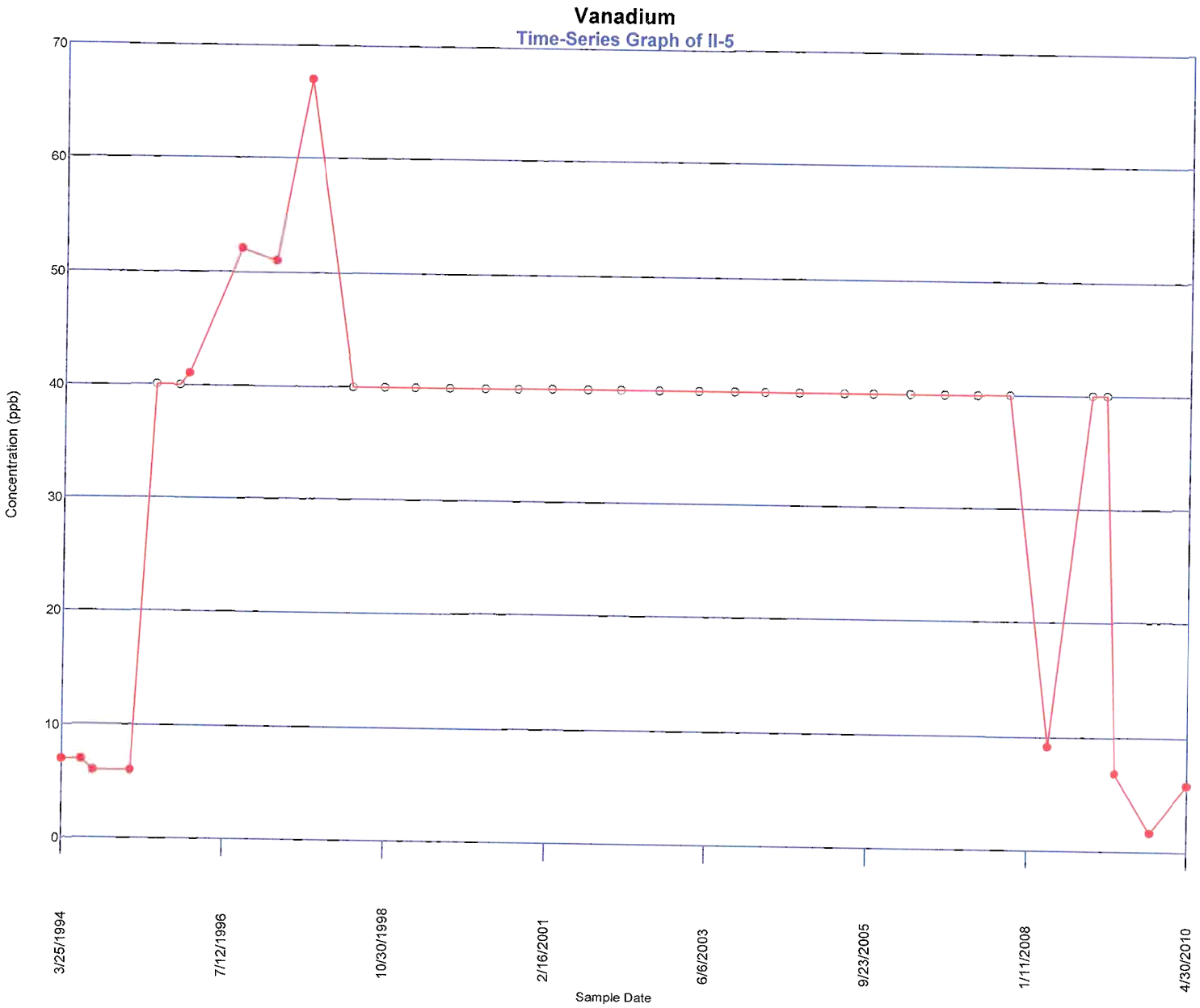

Selenium
Time-Series Graph of II-6
Concentration (ppb)
40
35
30
25
20
15
10
5
0
3/17/1995
5/14/1997
7/12/1999
9/8/2001
11/6/2003
1/3/2006
3/2/2008
4/30/2010
Sample Date

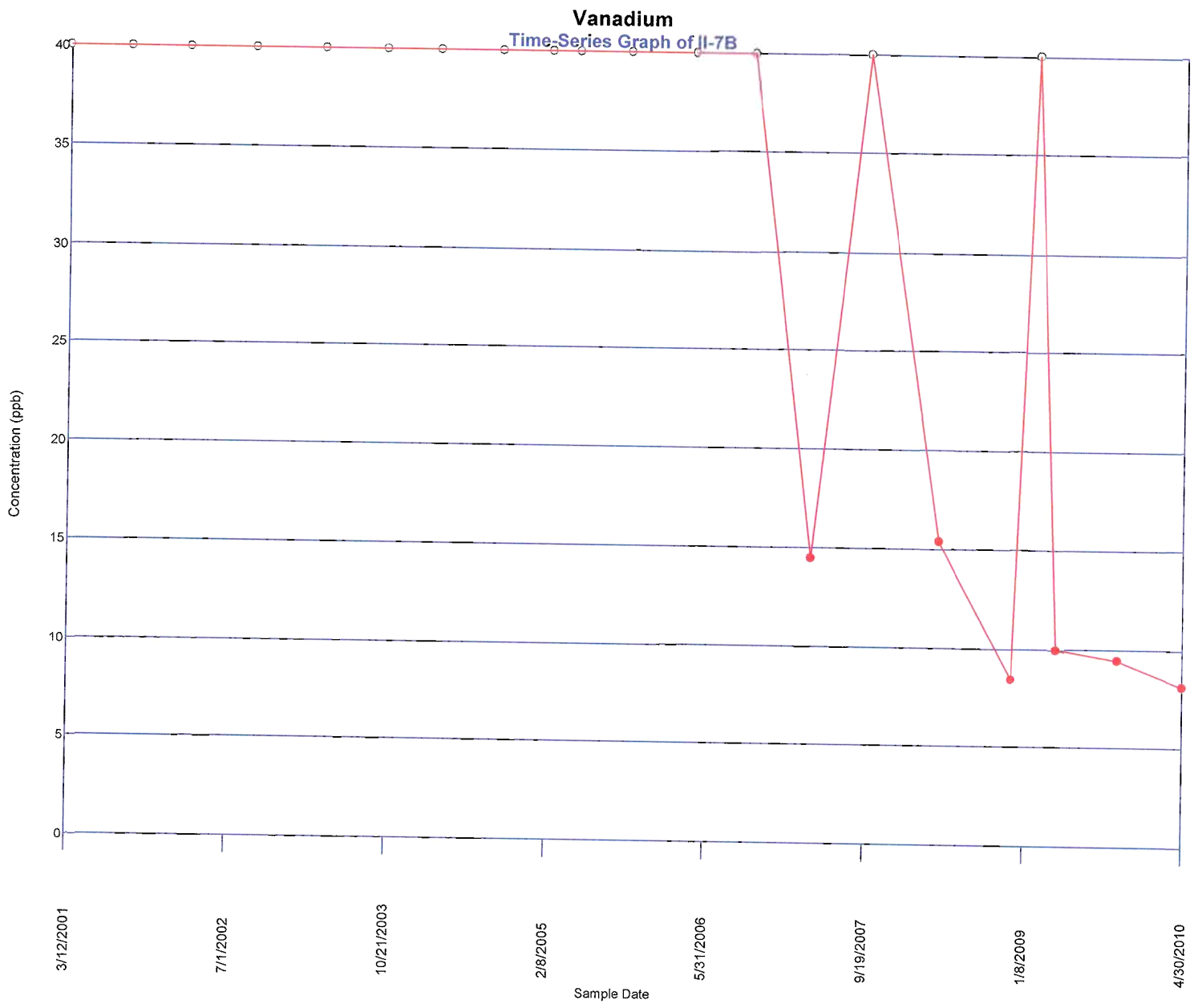

Selenium
Time-Series Graph of II-8
Concentration (ppb)
70
60
50
40
30
20
10
0
7/6/1994
10/8/1996
1/11/1999
4/15/2001
7/20/2003
10/22/2005
1/25/2008
4/30/2010
Sample Date

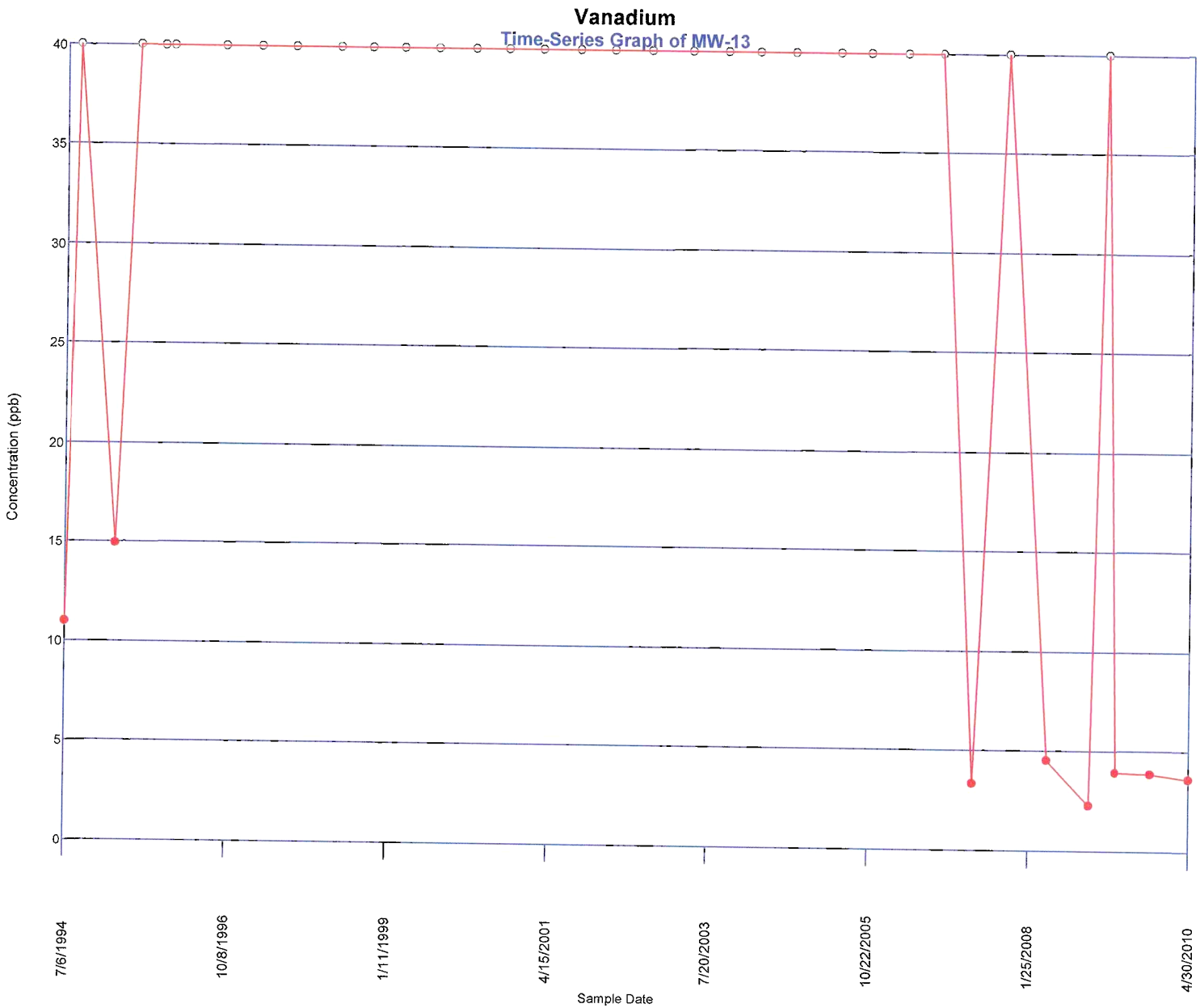

Vanadium
Time-Series Graph of II-2
Concentration (ppb)
200
150
100
50
0
3/25/1994
7/12/1996
10/30/1998
2/16/2001
6/6/2003
9/23/2005
1/11/2008
4/30/2010
Sample Date

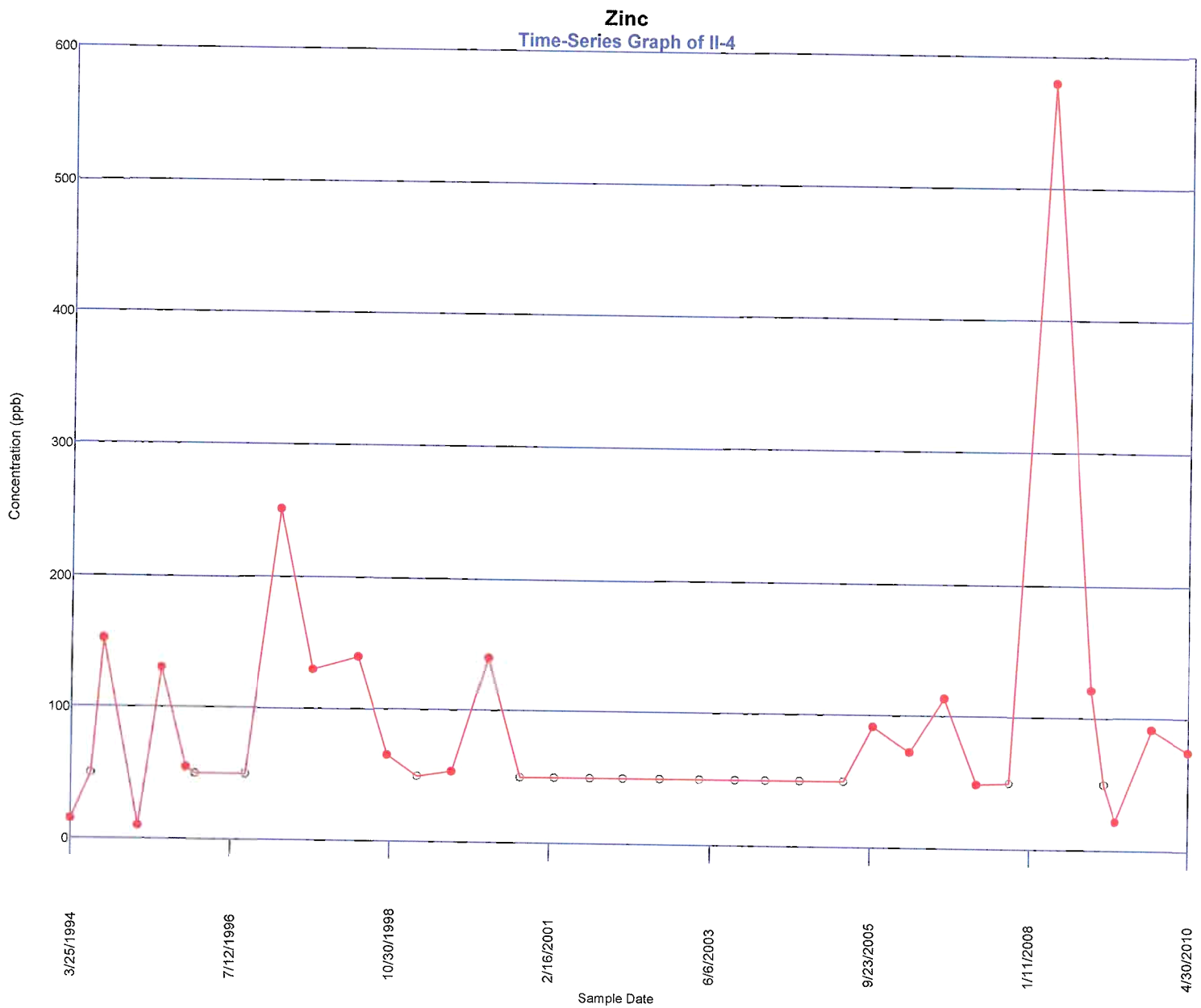

Vanadium
Time-Series Graph of II-3
Concentration (ppb)
300
250
200
150
100
50
0
3/25/1994
7/12/1996
10/30/1998
2/16/2001
6/6/2003
9/23/2005
1/11/2008
4/30/2010
Sample Date


Vanadium
Time-Series Graph of II-4
Concentration (ppb)
600
500
400
300
200
100
0
3/25/1994
7/12/1996
10/30/1998
2/16/2001
6/6/2003
9/23/2005
1/11/2008
4/30/2010
Sample Date


Vanadium
Time-Series Graph of II-5
Concentration (ppb)
70
60
50
40
30
20
10
0
3/25/1994
7/12/1996
10/30/1998
2/16/2001
6/6/2003
9/23/2005
1/11/2008
4/30/2010
Sample Date


Vanadium
Time-Series Graph of II-7B
Concentration (ppb)
40
35
30
25
20
15
10
5
0
3/12/2001
7/1/2002
10/21/2003
2/8/2005
5/31/2006
9/19/2007
1/8/2009
4/30/2010
Sample Date


Vanadium
Time-Series Graph of MW-13
Concentration (ppb)
40
35
30
25
20
15
10
5
0
7/6/1994
10/8/1996
1/11/1999
4/15/2001
7/20/2003
10/22/2005
1/25/2008
4/30/2010
Sample Date


Zinc
Time-Series Graph of II-4
Concentration (ppb)
600
500
400
300
200
100
0
3/25/1994
7/12/1996
10/30/1998
2/16/2001
6/6/2003
9/23/2005
1/11/2008
4/30/2010
Sample Date

APPENDIX V

Normality Tests

Shapiro-Francia Test of Normality

Parameter: 1,4-Dichlorobenzene
All Locations
Normality Test of Parameter Concentrations
Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit
Total Number of Measurements = 484

	x(i)	m(i)	sum(m^2)	sum(mx)
1	0.53	-2 87815	8.28375	-1.52542
2	0.55	-2.65209	15.3173	-2.98407
3	0.59	-2 51213	21.6281	-4.46623
4	0.61	-2 40892	27.431	-5.93567
5	0.67	-2.32634	32.8429	-7.49432
6	0.73	-2.25713	37.9375	-9.14202
7	0.89	-2.19728	42 7656	-11 0976
8	1 5	-2.14441	47.3641	-14.3142
9	1 8	-2 09693	51.7612	-18.0887
10	2.9	-2.05375	55.9791	-24.0446
11	2.9	-2.01409	60 0357	-29.8854
12	3 3	-1.97737	63.9456	-36.4108
13	3 4	-1.94314	67.7214	-43.0174
14	3.8	-1 91103	71.3735	-50.2793
15	4.1	-1.88079	74.9108	-57.9906
16	4.4	-1.85218	78.3414	-66.1401
17	4 5	-1 81191	81.6244	-74.2938
18	5	-1 78661	84.8164	-83.2268
19	5	-1 76241	87 9225	-92.0389
20	5	-1 7392	90 9473	-100.735
21	5	-1.71688	93.895	-109.319
22	5	-1.6954	96.7694	-117.796
23	5	-1 67466	99.5739	-126.17
24	5	-1.65463	102.312	-134 443
25	5	-1.63524	104.986	-142.619
26	5	-1.61644	107.599	-150.701
27	5	-1.59819	110 153	-158.692
28	5	-1 58047	112.651	-166.594
29	5	-1.56322	115.094	-174.41
30	5	-1.54643	117.486	-182.143
31	5	-1.53007	119.827	-189.793
32	5	-1.5141	122.119	-197.363
33	5	-1.49085	124.342	-204 818
34	5	-1.47579	126.52	-212.197
35	5	-1.46106	128.655	-219 502
36	5	-1.44663	130.747	-226.735
37	5	-1 4325	132.799	-233.898
38	5	-1.41865	134.812	-240 991
39	5	-1.40507	136.786	-248.016
40	5	-1.39175	138.723	-254.975
41	5	-1.37866	140 624	-261.868
42	5	-1.36581	142 489	-268.697
43	5	-1.35317	144.32	-275.463
44	5	-1.34075	146.118	-282.167
45	5	-1.32854	147.883	-288.81
46	5	-1 31652	149.616	-295.392
47	5	-1 30469	151.318	-301.916
48	5	-1.29303	152.99	-308.381
49	5	-1.27588	154.618	-314.76
50	5	-1.26464	156.218	-321.083
51	5	-1.25357	157 789	-327 351
52	5	-1.24264	159.333	-333.565
53	5	-1.23187	160 851	-339.724
54	5	-1 22123	162.342	-345.83
55	5	-1.21073	163.808	-351.884
56	5	-1 20036	165.249	-357.885
57	5	-1.19012	166.665	-363.836
58	5	-1.18	168.058	-369.736
59	5	-1.17	169.426	-375.586
60	5	-1.16012	170.772	-381.387
61	5	-1 15035	172.096	-387.138
62	5	-1.14069	173.397	-392.842
63	5	-1.13113	174.676	-398.497
64	5	-1.12168	175.934	-404.106
65	5	-1 10768	177.161	-409.644
66	5	-1.09847	178.368	-415.137
67	5	-1.08935	179.555	-420.583
68	5	-1 08032	180.722	-425.985
69	5	-1.07138	181.87	-431 342
70	5	-1.06252	182.999	-436.654
71	5	-1.05375	184.109	-441 923
72	5	-1.04505	185.201	-447.148
73	5	-1.03643	186.275	-452.331
74	5	-1.02789	187.332	-457 47
75	5	-1.01943	188.371	-462.567
76	5	-1.01104	189 393	-467.622

77	5	-1.00271	190.399	-472.636
78	5	-0.994457	191.388	-477.608
79	5	-0.986272	192.36	-482.54
80	5	-0.97815	193.317	-487.43
81	5	-0.966088	194.251	-492.261
82	5	-0.958125	195.169	-497.051
83	5	-0.950222	196.071	-501.802
84	5	-0.942375	196.96	-506.514
85	5	-0.93459	197.833	-511.187
86	5	-0.926859	198.692	-515.822
87	5	-0.919183	199.537	-520.418
88	5	-0.911562	200.368	-524.975
89	5	-0.903992	201.185	-529.495
90	5	-0.896473	201.989	-533.978
91	5	-0.889006	202.779	-538.423
92	5	-0.881587	203.556	-542.831
93	5	-0.874218	204.321	-547.202
94	5	-0.866894	205.072	-551.536
95	5	-0.859618	205.811	-555.834
96	5	-0.852385	206.538	-560.096
97	5	-0.841621	207.246	-564.304
98	5	-0.834498	207.942	-568.477
99	5	-0.827417	208.627	-572.614
100	5	-0.820379	209.3	-576.716
101	5	-0.813379	209.961	-580.783
102	5	-0.806422	210.612	-584.815
103	5	-0.7995	211.251	-588.812
104	5	-0.792618	211.879	-592.775
105	5	-0.785774	212.497	-596.704
106	5	-0.778966	213.103	-600.599
107	5	-0.772193	213.7	-604.46
108	5	-0.765456	214.286	-608.287
109	5	-0.758753	214.861	-612.081
110	5	-0.752084	215.427	-615.842
111	5	-0.745449	215.983	-619.569
112	5	-0.738846	216.529	-623.263
113	5	-0.732275	217.065	-626.924
114	5	-0.722479	217.587	-630.537
115	5	-0.715986	218.099	-634.117
116	5	-0.709522	218.603	-637.664
117	5	-0.703089	219.097	-641.18
118	5	-0.696684	219.583	-644.663
119	5	-0.690309	220.059	-648.115
120	5	-0.68396	220.527	-651.535
121	5	-0.677639	220.986	-654.923
122	5	-0.671346	221.437	-658.279
123	5	-0.665079	221.879	-661.605
124	5	-0.658838	222.313	-664.899
125	5	-0.652622	222.739	-668.162
126	5	-0.646431	223.157	-671.394
127	5	-0.640266	223.567	-674.596
128	5	-0.634124	223.969	-677.766
129	5	-0.628006	224.363	-680.906
130	5	-0.618872	224.746	-684.001
131	5	-0.612813	225.122	-687.065
132	5	-0.606775	225.49	-690.099
133	5	-0.60076	225.851	-693.102
134	5	-0.594766	226.205	-696.076
135	5	-0.588793	226.551	-699.02
136	5	-0.582841	226.891	-701.934
137	5	-0.576911	227.224	-704.819
138	5	-0.570999	227.55	-707.674
139	5	-0.565108	227.869	-710.499
140	5	-0.559237	228.182	-713.296
141	5	-0.553384	228.488	-716.063
142	5	-0.547551	228.788	-718.8
143	5	-0.541736	229.082	-721.509
144	5	-0.53594	229.369	-724.189
145	5	-0.530162	229.65	-726.839
146	5	-0.521527	229.922	-729.447
147	5	-0.515791	230.188	-732.026
148	5	-0.510074	230.448	-734.576
149	5	-0.504372	230.703	-737.098
150	5	-0.498687	230.951	-739.592
151	5	-0.493018	231.194	-742.057
152	5	-0.487364	231.432	-744.494
153	5	-0.481728	231.664	-746.902
154	5	-0.476105	231.891	-749.283
155	5	-0.470498	232.112	-751.635
156	5	-0.464904	232.328	-753.96
157	5	-0.459327	232.539	-756.256
158	5	-0.453763	232.745	-758.525
159	5	-0.448213	232.946	-760.766
160	5	-0.442676	233.142	-762.98
161	5	-0.437153	233.333	-765.165
162	5	-0.428895	233.517	-767.31

163	5	-0.423405	233.696	-769.427
164	5	-0.417928	233.871	-771.517
165	5	-0.412463	234.041	-773.579
166	5	-0.40701	234.207	-775.614
167	5	-0.401571	234.368	-777.622
168	5	-0.396142	234.525	-779.603
169	5	-0.390726	234.677	-781.556
170	5	-0.385321	234.826	-783.483
171	5	-0.379927	234.97	-785.382
172	5	-0.374544	235.111	-787.255
173	5	-0.369171	235.247	-789.101
174	5	-0.363809	235.379	-790.92
175	5	-0.358459	235.508	-792.712
176	5	-0.353118	235.632	-794.478
177	5	-0.347787	235.753	-796.217
178	5	-0.33981	235.869	-797.916
179	5	-0.334503	235.981	-799.588
180	5	-0.329206	236.089	-801.234
181	5	-0.323919	236.194	-802.854
182	5	-0.318639	236.296	-804.447
183	5	-0.31337	236.394	-806.014
184	5	-0.308108	236.489	-807.555
185	5	-0.302855	236.58	-809.069
186	5	-0.297612	236.669	-810.557
187	5	-0.292375	236.754	-812.019
188	5	-0.287147	236.837	-813.455
189	5	-0.281926	236.916	-814.864
190	5	-0.276714	236.993	-816.248
191	5	-0.271509	237.067	-817.605
192	5	-0.266311	237.138	-818.937
193	5	-0.26112	237.206	-820.242
194	5	-0.253347	237.27	-821.509
195	5	-0.248174	237.332	-822.75
196	5	-0.243007	237.391	-823.965
197	5	-0.237847	237.447	-825.154
198	5	-0.232693	237.501	-826.318
199	5	-0.227545	237.553	-827.456
200	5	-0.222403	237.603	-828.568
201	5	-0.217267	237.65	-829.654
202	5	-0.212137	237.695	-830.715
203	5	-0.207012	237.738	-831.75
204	5	-0.201894	237.778	-832.759
205	5	-0.196779	237.817	-833.743
206	5	-0.191671	237.854	-834.701
207	5	-0.186567	237.889	-835.634
208	5	-0.181468	237.922	-836.542
209	5	-0.176374	237.953	-837.423
210	5	-0.171285	237.982	-838.28
211	5	-0.163659	238.009	-839.098
212	5	-0.158579	238.034	-839.891
213	5	-0.153505	238.058	-840.659
214	5	-0.148434	238.08	-841.401
215	5	-0.143367	238.1	-842.118
216	5	-0.138305	238.119	-842.809
217	5	-0.133244	238.137	-843.475
218	5	-0.128189	238.153	-844.116
219	5	-0.123135	238.169	-844.732
220	5	-0.118085	238.183	-845.322
221	5	-0.113039	238.195	-845.888
222	5	-0.107995	238.207	-846.428
223	5	-0.102953	238.218	-846.942
224	5	-0.0979139	238.227	-847.432
225	5	-0.0928787	238.236	-847.896
226	5	-0.0878447	238.243	-848.335
227	5	-0.0802981	238.25	-848.737
228	5	-0.0752698	238.256	-849.113
229	5	-0.0702426	238.261	-849.465
230	5	-0.0652187	238.265	-849.791
231	5	-0.0601949	238.268	-850.092
232	5	-0.0551734	238.271	-850.367
233	5	-0.0501541	238.274	-850.618
234	5	-0.0451348	238.276	-850.844
235	5	-0.0401167	238.278	-851.044
236	5	-0.0350997	238.279	-851.22
237	5	-0.0300838	238.28	-851.37
238	5	-0.0250691	238.28	-851.496
239	5	-0.0200544	238.281	-851.596
240	5	-0.0150408	238.281	-851.671
241	5	-0.0100272	238.281	-851.721
242	5	-0.00501359	238.281	-851.746
243	5	0.00501359	238.281	-851.721
244	5	0.0100272	238.281	-851.671
245	5	0.0150408	238.281	-851.596
246	5	0.0200544	238.282	-851.496
247	5	0.0250691	238.283	-851.37
248	5	0.0300838	238.283	-851.22

249	5	0.0350997	238.285	-851.044
250	5	0.0401167	238.286	-850.844
251	5	0.0451348	238.288	-850.618
252	5	0.0501541	238.291	-850.367
253	5	0.0551734	238.294	-850.092
254	5	0.0601949	238.297	-849.791
255	5	0.0652187	238.302	-849.465
256	5	0.0702426	238.307	-849.113
257	5	0.0752698	238.312	-848.737
258	5	0.0802981	238.319	-848.335
259	5	0.0878447	238.326	-847.896
260	5	0.0928767	238.335	-847.432
261	5	0.0979139	238.345	-846.942
262	5	0.102953	238.355	-846.428
263	5	0.107995	238.367	-845.888
264	5	0.113039	238.38	-845.322
265	5	0.118085	238.394	-844.732
266	5	0.123135	238.409	-844.116
267	5	0.128189	238.425	-843.475
268	5	0.133244	238.443	-842.809
269	5	0.138305	238.462	-842.118
270	5	0.143367	238.483	-841.401
271	5	0.148434	238.505	-840.659
272	5	0.153505	238.528	-839.891
273	5	0.158579	238.553	-839.098
274	5	0.163659	238.58	-838.28
275	5	0.171285	238.61	-837.423
276	5	0.176374	238.641	-836.542
277	5	0.181468	238.674	-835.634
278	5	0.186567	238.708	-834.701
279	5	0.191671	238.745	-833.743
280	5	0.196779	238.784	-832.759
281	5	0.201894	238.825	-831.75
282	5	0.207012	238.868	-830.715
283	5	0.212137	238.913	-829.654
284	5	0.217267	238.96	-828.568
285	5	0.222403	239.009	-827.456
286	5	0.227545	239.061	-826.318
287	5	0.232693	239.115	-825.154
288	5	0.237847	239.172	-823.965
289	5	0.243007	239.231	-822.75
290	5	0.248174	239.292	-821.509
291	5	0.253347	239.357	-820.242
292	5	0.26112	239.425	-818.937
293	5	0.266311	239.496	-817.605
294	5	0.271509	239.569	-816.248
295	5	0.276714	239.646	-814.864
296	5	0.281926	239.725	-813.455
297	5	0.287147	239.808	-812.019
298	5	0.292375	239.893	-810.557
299	5	0.297612	239.982	-809.069
300	5	0.302855	240.074	-807.555
301	5	0.308108	240.169	-806.014
302	5	0.31337	240.267	-804.447
303	5	0.318639	240.368	-802.854
304	5	0.323919	240.473	-801.234
305	5	0.329206	240.582	-799.588
306	5	0.334503	240.693	-797.916
307	5	0.33981	240.809	-796.217
308	5	0.347787	240.93	-794.478
309	5	0.353118	241.055	-792.712
310	5	0.358459	241.183	-790.92
311	5	0.363809	241.315	-789.101
312	5	0.369171	241.452	-787.255
313	5	0.374544	241.592	-785.382
314	5	0.379927	241.736	-783.483
315	5	0.385321	241.885	-781.556
316	5	0.390726	242.037	-779.603
317	5	0.396142	242.194	-777.622
318	5	0.401571	242.356	-775.614
319	5	0.40701	242.521	-773.579
320	5	0.412463	242.691	-771.517
321	5	0.417928	242.866	-769.427
322	5	0.423405	243.045	-767.31
323	5	0.428895	243.229	-765.165
324	5	0.437153	243.42	-762.98
325	5	0.442676	243.616	-760.766
326	5	0.448213	243.817	-758.525
327	5	0.453763	244.023	-756.256
328	5	0.459327	244.234	-753.96
329	5	0.464904	244.45	-751.635
330	5	0.470498	244.672	-749.283
331	5	0.476105	244.898	-746.902
332	5	0.481728	245.13	-744.494
333	5	0.487364	245.368	-742.057
334	5	0.493018	245.611	-739.592

335	5	0.498687	245.86	-737.098
336	5	0.504372	246.114	-734.576
337	5	0.510074	246.374	-732.026
338	5	0.515791	246.64	-729.447
339	5	0.521527	246.912	-726.839
340	5	0.530162	247.193	-724.189
341	5	0.53594	247.481	-721.509
342	5	0.541736	247.774	-718.8
343	5	0.547551	248.074	-716.063
344	5	0.553384	248.38	-713.296
345	5	0.559237	248.693	-710.499
346	5	0.565108	249.012	-707.674
347	5	0.570999	249.338	-704.819
348	5	0.576911	249.671	-701.934
349	5	0.582841	250.011	-699.02
350	5	0.588793	250.357	-696.076
351	5	0.594766	250.711	-693.102
352	5	0.60076	251.072	-690.099
353	5	0.606775	251.44	-687.065
354	5	0.612813	251.816	-684.001
355	5	0.618872	252.199	-680.906
356	5	0.628006	252.593	-677.766
357	5	0.634124	252.995	-674.596
358	5	0.640266	253.405	-671.394
359	5	0.646431	253.823	-668.162
360	5	0.652622	254.249	-664.899
361	5	0.658838	254.683	-661.605
362	5	0.665079	255.125	-658.279
363	5	0.671346	255.576	-654.923
364	5	0.677639	256.035	-651.535
365	5	0.68396	256.503	-648.115
366	5	0.690309	256.98	-644.663
367	5	0.696684	257.465	-641.18
368	5	0.703089	257.959	-637.664
369	5	0.709522	258.463	-634.117
370	5	0.715986	258.975	-630.537
371	5	0.722479	259.497	-626.924
372	5	0.732275	260.034	-623.263
373	5	0.738846	260.58	-619.569
374	5	0.745449	261.135	-615.842
375	5	0.752084	261.701	-612.081
376	5	0.758753	262.277	-608.287
377	5	0.765456	262.863	-604.46
378	5	0.772193	263.459	-600.599
379	5	0.778966	264.066	-596.704
380	5	0.785774	264.683	-592.775
381	5	0.792618	265.311	-588.812
382	5	0.7995	265.95	-584.815
383	5	0.806422	266.601	-580.783
384	5	0.813379	267.262	-576.716
385	5	0.820379	267.935	-572.614
386	5	0.827417	268.62	-568.477
387	5	0.834498	269.316	-564.304
388	5	0.841621	270.025	-560.096
389	5	0.852385	270.751	-555.834
390	5	0.859618	271.49	-551.536
391	5	0.866894	272.242	-547.202
392	5	0.874218	273.006	-542.831
393	5	0.881587	273.783	-538.423
394	5	0.889006	274.574	-533.978
395	5	0.896473	275.377	-529.495
396	5	0.903992	276.194	-524.975
397	5	0.911562	277.025	-520.418
398	5	0.919183	277.87	-515.822
399	5	0.926859	278.729	-511.187
400	5	0.93459	279.603	-506.514
401	5	0.942375	280.491	-501.802
402	5	0.950222	281.394	-497.051
403	5	0.958125	282.312	-492.261
404	5	0.966088	283.245	-487.43
405	5	0.97815	284.202	-482.54
406	5	0.986272	285.175	-477.608
407	5	0.994457	286.164	-472.636
408	5	1.00271	287.169	-467.622
409	5	1.01104	288.191	-462.567
410	5	1.01943	289.23	-457.47
411	5	1.02789	290.287	-452.331
412	5	1.03643	291.361	-447.148
413	5	1.04505	292.453	-441.923
414	5	1.05375	293.564	-436.654
415	5	1.06252	294.693	-431.342
416	5	1.07138	295.84	-425.985
417	5	1.08032	297.008	-420.583
418	5	1.08935	298.194	-415.137
419	5	1.09847	299.401	-409.644
420	5	1.10768	300.628	-404.106

421	5	1.12168	301.886	-398.497
422	5	1.13113	303.165	-392.842
423	5	1.14069	304.467	-387.138
424	5	1.15035	305.79	-381.387
425	5	1.16012	307.136	-375.586
426	5	1.17	308.505	-369.736
427	5	1.18	309.897	-363.836
428	5	1.19012	311.313	-357.885
429	5	1.20036	312.754	-351.884
430	5	1.21073	314.22	-345.83
431	5	1.22123	315.712	-339.724
432	5	1.23187	317.229	-333.565
433	5	1.24264	318.773	-327.351
434	5	1.25357	320.345	-321.083
435	5	1.26464	321.944	-314.76
436	5	1.27588	323.572	-308.381
437	5	1.29303	325.244	-301.916
438	5	1.30469	326.946	-295.392
439	5	1.31652	328.679	-288.81
440	5	1.32854	330.444	-282.167
441	5	1.34075	332.242	-275.463
442	5	1.35317	334.073	-268.697
443	5	1.36581	335.938	-261.868
444	5	1.37866	337.839	-254.975
445	5	1.39175	339.776	-248.016
446	5	1.40507	341.75	-240.991
447	5	1.41865	343.763	-233.898
448	5	1.4325	345.815	-226.735
449	5	1.44663	347.908	-219.502
450	5	1.46106	350.042	-212.197
451	5	1.47579	352.22	-204.818
452	5	1.49085	354.443	-197.363
453	5	1.5141	356.735	-189.793
454	5	1.53007	359.077	-182.143
455	5	1.54643	361.468	-174.41
456	5	1.56322	363.912	-166.594
457	5	1.58047	366.41	-158.692
458	5	1.59819	368.964	-150.701
459	5	1.61644	371.577	-142.619
460	5	1.63524	374.251	-134.443
461	5	1.65463	376.988	-126.17
462	5	1.67466	379.793	-117.796
463	5	1.6954	382.667	-109.319
464	5	1.71688	385.615	-100.735
465	5.2	1.7392	388.64	-91.691
466	5.2	1.76241	391.746	-82.5265
467	5.9	1.78661	394.938	-71.9855
468	6	1.81191	398.221	-61.114
469	6	1.85218	401.651	-50.0009
470	6	1.88079	405.189	-38.7162
471	6.2	1.91103	408.841	-26.8678
472	6.4	1.94314	412.617	-14.4317
473	6.5	1.97737	416.527	-1.57885
474	6.6	2.01409	420.583	11.7142
475	6.6	2.05375	424.801	25.2689
476	6.7	2.09693	429.198	39.3183
477	6.7	2.14441	433.797	53.6859
478	6.7	2.19728	438.625	68.4077
479	6.9	2.25713	443.719	83.9819
480	6.9	2.32634	449.131	100.034
481	7	2.40892	454.934	116.896
482	9	2.51213	461.245	139.505
483	9	2.65209	468.279	163.374
484	79	2.87815	476.562	390.748

Data Set Standard Deviation = 3.43768
Numerator = 152684
Denominator = 2.72018e+006
W Statistic = 0.0561302 = 152684 / 2.72018e+006

5% Critical value of 0.976 exceeds 0.0561302
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.0561302
Evidence of non-normality at 99% level of significance

77	5	-1.00271	190.399	-430.134
78	5	-0.994457	191.388	-435.106
79	5	-0.986272	192.36	-440.037
80	5	-0.97815	193.317	-444.928
81	5	-0.966088	194.251	-449.758
82	5	-0.958125	195.169	-454.549
83	5	-0.950222	196.071	-459.3
84	5	-0.942375	196.96	-464.012
85	5	-0.93459	197.833	-468.685
86	5	-0.926859	198.692	-473.319
87	5	-0.919183	199.537	-477.915
88	5	-0.911562	200.368	-482.473
89	5	-0.903992	201.185	-486.993
90	5	-0.896473	201.989	-491.475
91	5	-0.889006	202.779	-495.92
92	5	-0.881587	203.556	-500.328
93	5	-0.874218	204.321	-504.699
94	5	-0.866894	205.072	-509.034
95	5	-0.859618	205.811	-513.332
96	5	-0.852385	206.538	-517.594
97	5	-0.841621	207.246	-521.802
98	5	-0.834498	207.942	-525.974
99	5	-0.827417	208.627	-530.111
100	5	-0.820379	209.3	-534.213
101	5	-0.813379	209.961	-538.28
102	5	-0.806422	210.612	-542.312
103	5	-0.7995	211.251	-546.31
104	5	-0.792618	211.879	-550.273
105	5	-0.785774	212.497	-554.202
106	5	-0.778966	213.103	-558.097
107	5	-0.772193	213.7	-561.958
108	5	-0.765456	214.286	-565.785
109	5	-0.758753	214.861	-569.579
110	5	-0.752084	215.427	-573.339
111	5	-0.745449	215.983	-577.066
112	5	-0.738846	216.529	-580.761
113	5	-0.732275	217.065	-584.422
114	5	-0.722479	217.587	-588.034
115	5	-0.715986	218.099	-591.614
116	5	-0.709522	218.603	-595.162
117	5	-0.703089	219.097	-598.677
118	5	-0.696684	219.583	-602.161
119	5	-0.690309	220.059	-605.612
120	5	-0.68396	220.527	-609.032
121	5	-0.677639	220.986	-612.42
122	5	-0.671346	221.437	-615.777
123	5	-0.665079	221.879	-619.102
124	5	-0.658838	222.313	-622.397
125	5	-0.652622	222.739	-625.66
126	5	-0.646431	223.157	-628.892
127	5	-0.640266	223.567	-632.093
128	5	-0.634124	223.969	-635.264
129	5	-0.628006	224.363	-638.404
130	5	-0.618872	224.746	-641.498
131	5	-0.612813	225.122	-644.562
132	5	-0.606775	225.49	-647.596
133	5	-0.60076	225.851	-650.6
134	5	-0.594766	226.205	-653.574
135	5	-0.588793	226.551	-656.518
136	5	-0.582841	226.891	-659.432
137	5	-0.576911	227.224	-662.317
138	5	-0.570999	227.55	-665.172
139	5	-0.565108	227.869	-667.997
140	5	-0.559237	228.182	-670.793
141	5	-0.553384	228.488	-673.56
142	5	-0.547551	228.788	-676.298
143	5	-0.541736	229.082	-679.007
144	5	-0.53594	229.369	-681.686
145	5	-0.530162	229.65	-684.337
146	5	-0.521527	229.922	-686.945
147	5	-0.515791	230.188	-689.524
148	5	-0.510074	230.448	-692.074
149	5	-0.504372	230.703	-694.596
150	5	-0.498687	230.951	-697.089
151	5	-0.493018	231.194	-699.554
152	5	-0.487364	231.432	-701.991
153	5	-0.481728	231.664	-704.4
154	5	-0.476105	231.891	-706.78
155	5	-0.470498	232.112	-709.133
156	5	-0.464904	232.328	-711.457
157	5	-0.459327	232.539	-713.754
158	5	-0.453763	232.745	-716.023
159	5	-0.448213	232.946	-718.264
160	5	-0.442676	233.142	-720.477
161	5	-0.437153	233.333	-722.663
162	5	-0.428895	233.517	-724.808

163	5	-0.423405	233.696	-726.925
164	5	-0.417928	233.871	-729.014
165	5	-0.412463	234.041	-731.077
166	5	-0.40701	234.207	-733.112
167	5	-0.401571	234.368	-735.119
168	5	-0.396142	234.525	-737.1
169	5	-0.390726	234.677	-739.054
170	5	-0.385321	234.826	-740.98
171	5	-0.379927	234.97	-742.88
172	5	-0.374544	235.111	-744.753
173	5	-0.369171	235.247	-746.599
174	5	-0.363809	235.379	-748.418
175	5	-0.358459	235.508	-750.21
176	5	-0.353118	235.632	-751.976
177	5	-0.347787	235.753	-753.714
178	5	-0.33981	235.869	-755.414
179	5	-0.334503	235.981	-757.086
180	5	-0.329206	236.089	-758.732
181	5	-0.323919	236.194	-760.352
182	5	-0.318639	236.296	-761.945
183	5	-0.31337	236.394	-763.512
184	5	-0.308108	236.489	-765.052
185	5	-0.302855	236.58	-766.567
186	5	-0.297612	236.669	-768.055
187	5	-0.292375	236.754	-769.516
188	5	-0.287147	236.837	-770.952
189	5	-0.281926	236.916	-772.362
190	5	-0.276714	236.993	-773.745
191	5	-0.271509	237.067	-775.103
192	5	-0.266311	237.138	-776.434
193	5	-0.26112	237.206	-777.74
194	5	-0.253347	237.27	-779.007
195	5	-0.248174	237.332	-780.248
196	5	-0.243007	237.391	-781.463
197	5	-0.237847	237.447	-782.652
198	5	-0.232693	237.501	-783.815
199	5	-0.227545	237.553	-784.953
200	5	-0.222403	237.603	-786.065
201	5	-0.217267	237.65	-787.152
202	5	-0.212137	237.695	-788.212
203	5	-0.207012	237.738	-789.247
204	5	-0.201894	237.778	-790.257
205	5	-0.196779	237.817	-791.241
206	5	-0.191671	237.854	-792.199
207	5	-0.186567	237.889	-793.132
208	5	-0.181468	237.922	-794.039
209	5	-0.176374	237.953	-794.921
210	5	-0.171285	237.982	-795.777
211	5	-0.163659	238.009	-796.596
212	5	-0.158579	238.034	-797.389
213	5	-0.153505	238.058	-798.156
214	5	-0.148434	238.08	-798.898
215	5	-0.143367	238.1	-799.615
216	5	-0.138305	238.119	-800.307
217	5	-0.133244	238.137	-800.973
218	5	-0.128189	238.153	-801.614
219	5	-0.123135	238.169	-802.23
220	5	-0.118085	238.183	-802.82
221	5	-0.113039	238.195	-803.385
222	5	-0.107995	238.207	-803.925
223	5	-0.102953	238.218	-804.44
224	5	-0.0979139	238.227	-804.929
225	5	-0.0928787	238.236	-805.394
226	5	-0.0878447	238.243	-805.833
227	5	-0.0802981	238.25	-806.235
228	5	-0.0752698	238.256	-806.611
229	5	-0.0702426	238.261	-806.962
230	5	-0.0652187	238.265	-807.288
231	5	-0.0601949	238.268	-807.589
232	5	-0.0551734	238.271	-807.865
233	5	-0.0501541	238.274	-808.116
234	5	-0.0451348	238.276	-808.342
235	5	-0.0401167	238.278	-808.542
236	5	-0.0350997	238.279	-808.718
237	5	-0.0300838	238.28	-808.868
238	5	-0.0250691	238.28	-808.993
239	5	-0.0200544	238.281	-809.094
240	5	-0.0150408	238.281	-809.169
241	5	-0.0100272	238.281	-809.219
242	5	-0.00501359	238.281	-809.244
243	5	0.00501359	238.281	-809.219
244	5	0.0100272	238.281	-809.169
245	5	0.0150408	238.281	-809.094
246	5	0.0200544	238.282	-808.993
247	5	0.0250691	238.283	-808.868
248	5	0.0300838	238.283	-808.718

249	5	0.0350997	238.285	-808.542
250	5	0.0401167	238.286	-808.342
251	5	0.0451348	238.288	-808.116
252	5	0.0501541	238.291	-807.865
253	5	0.0551734	238.294	-807.589
254	5	0.0601949	238.297	-807.288
255	5	0.0652187	238.302	-806.962
256	5	0.0702426	238.307	-806.611
257	5	0.0752698	238.312	-806.235
258	5	0.0802981	238.319	-805.833
259	5	0.0878447	238.326	-805.394
260	5	0.0928787	238.335	-804.929
261	5	0.0979139	238.345	-804.44
262	5	0.102953	238.355	-803.925
263	5	0.107995	238.367	-803.385
264	5	0.113039	238.38	-802.82
265	5	0.118085	238.394	-802.23
266	5	0.123135	238.409	-801.614
267	5	0.128189	238.425	-800.973
268	5	0.133244	238.443	-800.307
269	5	0.138305	238.462	-799.615
270	5	0.143367	238.483	-798.898
271	5	0.148434	238.505	-798.156
272	5	0.153505	238.528	-797.389
273	5	0.158579	238.553	-796.596
274	5	0.163659	238.58	-795.777
275	5	0.171285	238.61	-794.921
276	5	0.176374	238.641	-794.039
277	5	0.181468	238.674	-793.132
278	5	0.186567	238.708	-792.199
279	5	0.191671	238.745	-791.241
280	5	0.196779	238.784	-790.257
281	5	0.201894	238.825	-789.247
282	5	0.207012	238.868	-788.212
283	5	0.212137	238.913	-787.152
284	5	0.217267	238.96	-786.065
285	5	0.222403	239.009	-784.953
286	5	0.227545	239.061	-783.815
287	5	0.232693	239.115	-782.652
288	5	0.237847	239.172	-781.463
289	5	0.243007	239.231	-780.248
290	5	0.248174	239.292	-779.007
291	5	0.253347	239.357	-777.74
292	5	0.26112	239.425	-776.434
293	5	0.266311	239.496	-775.103
294	5	0.271509	239.569	-773.745
295	5	0.276714	239.646	-772.362
296	5	0.281926	239.725	-770.952
297	5	0.287147	239.808	-769.516
298	5	0.292375	239.893	-768.055
299	5	0.297612	239.982	-766.567
300	5	0.302855	240.074	-765.052
301	5	0.308108	240.169	-763.512
302	5	0.31337	240.267	-761.945
303	5	0.318639	240.368	-760.352
304	5	0.323919	240.473	-758.732
305	5	0.329206	240.582	-757.086
306	5	0.334503	240.693	-755.414
307	5	0.33981	240.809	-753.714
308	5	0.347787	240.93	-751.976
309	5	0.353118	241.055	-750.21
310	5	0.358459	241.183	-748.418
311	5	0.363809	241.315	-746.599
312	5	0.369171	241.452	-744.753
313	5	0.374544	241.592	-742.88
314	5	0.379927	241.736	-740.98
315	5	0.385321	241.885	-739.054
316	5	0.390726	242.037	-737.1
317	5	0.396142	242.194	-735.119
318	5	0.401571	242.356	-733.112
319	5	0.40701	242.521	-731.077
320	5	0.412463	242.691	-729.014
321	5	0.417928	242.866	-726.925
322	5	0.423405	243.045	-724.808
323	5	0.428895	243.229	-722.663
324	5	0.437153	243.42	-720.477
325	5	0.442676	243.616	-718.264
326	5	0.448213	243.817	-716.023
327	5	0.453763	244.023	-713.754
328	5	0.459327	244.234	-711.457
329	5	0.464904	244.45	-709.133
330	5	0.470498	244.672	-706.78
331	5	0.476105	244.898	-704.4
332	5	0.481728	245.13	-701.991
333	5	0.487364	245.368	-699.554
334	5	0.493018	245.611	-697.089

335	5	0.498687	245.86	-694.596
336	5	0.504372	246.114	-692.074
337	5	0.510074	246.374	-689.524
338	5	0.515791	246.64	-686.945
339	5	0.521527	246.912	-684.337
340	5	0.530162	247.193	-681.686
341	5	0.53594	247.481	-679.007
342	5	0.541736	247.774	-676.298
343	5	0.547551	248.074	-673.56
344	5	0.553384	248.38	-670.793
345	5	0.559237	248.693	-667.997
346	5	0.565108	249.012	-665.172
347	5	0.570999	249.338	-662.317
348	5	0.576911	249.671	-659.432
349	5	0.582841	250.011	-656.518
350	5	0.588793	250.357	-653.574
351	5	0.594766	250.711	-650.6
352	5	0.60076	251.072	-647.596
353	5	0.606775	251.44	-644.562
354	5	0.612813	251.816	-641.498
355	5	0.618872	252.199	-638.404
356	5	0.628006	252.593	-635.264
357	5	0.634124	252.995	-632.093
358	5	0.640266	253.405	-628.892
359	5	0.646431	253.823	-625.66
360	5	0.652622	254.249	-622.397
361	5	0.658838	254.683	-619.102
362	5	0.665079	255.125	-615.777
363	5	0.671346	255.576	-612.42
364	5	0.677639	256.035	-609.032
365	5	0.68396	256.503	-605.612
366	5	0.690309	256.98	-602.161
367	5	0.696684	257.465	-598.677
368	5	0.703089	257.959	-595.162
369	5	0.709522	258.463	-591.614
370	5	0.715986	258.975	-588.034
371	5	0.722479	259.497	-584.422
372	5	0.732275	260.034	-580.761
373	5	0.738846	260.58	-577.066
374	5	0.745449	261.135	-573.339
375	5	0.752084	261.701	-569.579
376	5	0.758753	262.277	-565.785
377	5	0.765456	262.863	-561.958
378	5	0.772193	263.459	-558.097
379	5	0.778966	264.066	-554.202
380	5	0.785774	264.683	-550.273
381	5	0.792618	265.311	-546.31
382	5	0.7995	265.95	-542.312
383	5	0.806422	266.601	-538.28
384	5	0.813379	267.262	-534.213
385	5	0.820379	267.935	-530.111
386	5	0.827417	268.62	-525.974
387	5	0.834498	269.316	-521.802
388	5	0.841621	270.025	-517.594
389	5	0.852385	270.751	-513.332
390	5	0.859618	271.49	-509.034
391	5	0.866894	272.242	-504.699
392	5	0.874218	273.006	-500.328
393	5	0.881587	273.783	-495.92
394	5	0.889006	274.574	-491.475
395	5	0.896473	275.377	-486.993
396	5	0.903992	276.194	-482.473
397	5	0.911562	277.025	-477.915
398	5	0.919183	277.87	-473.319
399	5	0.926859	278.729	-468.685
400	5	0.93459	279.603	-464.012
401	5	0.942375	280.491	-459.3
402	5	0.950222	281.394	-454.549
403	5	0.958125	282.312	-449.758
404	5	0.966088	283.245	-444.928
405	5	0.97815	284.202	-440.037
406	5	0.986272	285.175	-435.106
407	5	0.994457	286.164	-430.134
408	5	1.00271	287.169	-425.12
409	5	1.01104	288.191	-420.065
410	5	1.01943	289.23	-414.968
411	5	1.02789	290.287	-409.828
412	5	1.03643	291.361	-404.646
413	5	1.04505	292.453	-399.421
414	5	1.05375	293.564	-394.152
415	5	1.06252	294.693	-388.839
416	5	1.07138	295.84	-383.483
417	5	1.08032	297.008	-378.081
418	5	1.08935	298.194	-372.634
419	5	1.09847	299.401	-367.142
420	5	1.10768	300.628	-361.603

335	5	0.498687	245.86	-694.596
336	5	0.504372	246.114	-692.074
337	5	0.510074	246.374	-689.524
338	5	0.515791	246.64	-686.945
339	5	0.521527	246.912	-684.337
340	5	0.530162	247.193	-681.686
341	5	0.53594	247.481	-679.007
342	5	0.541736	247.774	-676.298
343	5	0.547551	248.074	-673.56
344	5	0.553384	248.38	-670.793
345	5	0.559237	248.693	-667.997
346	5	0.565108	249.012	-665.172
347	5	0.570999	249.338	-662.317
348	5	0.576911	249.671	-659.432
349	5	0.582841	250.011	-656.518
350	5	0.588793	250.357	-653.574
351	5	0.594766	250.711	-650.6
352	5	0.60076	251.072	-647.596
353	5	0.606775	251.44	-644.562
354	5	0.612813	251.816	-641.498
355	5	0.618872	252.199	-638.404
356	5	0.628006	252.593	-635.264
357	5	0.634124	252.995	-632.093
358	5	0.640266	253.405	-628.892
359	5	0.646431	253.823	-625.66
360	5	0.652622	254.249	-622.397
361	5	0.658838	254.683	-619.102
362	5	0.665079	255.125	-615.777
363	5	0.671346	255.576	-612.42
364	5	0.677639	256.035	-609.032
365	5	0.68396	256.503	-605.612
366	5	0.690309	256.98	-602.161
367	5	0.696684	257.465	-598.677
368	5	0.703089	257.959	-595.162
369	5	0.709522	258.463	-591.614
370	5	0.715986	258.975	-588.034
371	5	0.722479	259.497	-584.422
372	5	0.732275	260.034	-580.761
373	5	0.738846	260.58	-577.066
374	5	0.745449	261.135	-573.339
375	5	0.752084	261.701	-569.579
376	5	0.758753	262.277	-565.785
377	5	0.765456	262.863	-561.958
378	5	0.772193	263.459	-558.097
379	5	0.778966	264.066	-554.202
380	5	0.785774	264.683	-550.273
381	5	0.792618	265.311	-546.31
382	5	0.7995	265.95	-542.312
383	5	0.806422	266.601	-538.28
384	5	0.813379	267.262	-534.213
385	5	0.820379	267.935	-530.111
386	5	0.827417	268.62	-525.974
387	5	0.834498	269.316	-521.802
388	5	0.841621	270.025	-517.594
389	5	0.852385	270.751	-513.332
390	5	0.859618	271.49	-509.034
391	5	0.866894	272.242	-504.699
392	5	0.874218	273.006	-500.328
393	5	0.881587	273.783	-495.92
394	5	0.889006	274.574	-491.475
395	5	0.896473	275.377	-486.993
396	5	0.903992	276.194	-482.473
397	5	0.911562	277.025	-477.915
398	5	0.919183	277.87	-473.319
399	5	0.926859	278.729	-468.685
400	5	0.93459	279.603	-464.012
401	5	0.942375	280.491	-459.3
402	5	0.950222	281.394	-454.549
403	5	0.958125	282.312	-449.758
404	5	0.966088	283.245	-444.928
405	5	0.97815	284.202	-440.037
406	5	0.986272	285.175	-435.106
407	5	0.994457	286.164	-430.134
408	5	1.00271	287.169	-425.12
409	5	1.01104	288.191	-420.065
410	5	1.01943	289.23	-414.968
411	5	1.02789	290.287	-409.828
412	5	1.03643	291.361	-404.646
413	5	1.04505	292.453	-399.421
414	5	1.05375	293.564	-394.152
415	5	1.06252	294.693	-388.839
416	5	1.07138	295.84	-383.483
417	5	1.08032	297.008	-378.081
418	5	1.08935	298.194	-372.634
419	5	1.09847	299.401	-367.142
420	5	1.10768	300.628	-361.603

335	5	0.498687	245.86	-694.596
336	5	0.504372	246.114	-692.074
337	5	0.510074	246.374	-689.524
338	5	0.515791	246.64	-686.945
339	5	0.521527	246.912	-684.337
340	5	0.530162	247.193	-681.686
341	5	0.53594	247.481	-679.007
342	5	0.541736	247.774	-676.298
343	5	0.547551	248.074	-673.56
344	5	0.553384	248.38	-670.793
345	5	0.559237	248.693	-667.997
346	5	0.565108	249.012	-665.172
347	5	0.570999	249.338	-662.317
348	5	0.576911	249.671	-659.432
349	5	0.582841	250.011	-656.518
350	5	0.588793	250.357	-653.574
351	5	0.594766	250.711	-650.6
352	5	0.60076	251.072	-647.596
353	5	0.606775	251.44	-644.562
354	5	0.612813	251.816	-641.498
355	5	0.618872	252.199	-638.404
356	5	0.628006	252.593	-635.264
357	5	0.634124	252.995	-632.093
358	5	0.640266	253.405	-628.892
359	5	0.646431	253.823	-625.66
360	5	0.652622	254.249	-622.397
361	5	0.658838	254.683	-619.102
362	5	0.665079	255.125	-615.777
363	5	0.671346	255.576	-612.42
364	5	0.677639	256.035	-609.032
365	5	0.68396	256.503	-605.612
366	5	0.690309	256.98	-602.161
367	5	0.696684	257.465	-598.677
368	5	0.703089	257.959	-595.162
369	5	0.709522	258.463	-591.614
370	5	0.715986	258.975	-588.034
371	5	0.722479	259.497	-584.422
372	5	0.732275	260.034	-580.761
373	5	0.738846	260.58	-577.066
374	5	0.745449	261.135	-573.339
375	5	0.752084	261.701	-569.579
376	5	0.758753	262.277	-565.785
377	5	0.765456	262.863	-561.958
378	5	0.772193	263.459	-558.097
379	5	0.778966	264.066	-554.202
380	5	0.785774	264.683	-550.273
381	5	0.792618	265.311	-546.31
382	5	0.7995	265.95	-542.312
383	5	0.806422	266.601	-538.28
384	5	0.813379	267.262	-534.213
385	5	0.820379	267.935	-530.111
386	5	0.827417	268.62	-525.974
387	5	0.834498	269.316	-521.802
388	5	0.841621	270.025	-517.594
389	5	0.852385	270.751	-513.332
390	5	0.859618	271.49	-509.034
391	5	0.866894	272.242	-504.699
392	5	0.874218	273.006	-500.328
393	5	0.881587	273.783	-495.92
394	5	0.889006	274.574	-491.475
395	5	0.896473	275.377	-486.993
396	5	0.903992	276.194	-482.473
397	5	0.911562	277.025	-477.915
398	5	0.919183	277.87	-473.319
399	5	0.926859	278.729	-468.685
400	5	0.93459	279.603	-464.012
401	5	0.942375	280.491	-459.3
402	5	0.950222	281.394	-454.549
403	5	0.958125	282.312	-449.758
404	5	0.966088	283.245	-444.928
405	5	0.97815	284.202	-440.037
406	5	0.986272	285.175	-435.106
407	5	0.994457	286.164	-430.134
408	5	1.00271	287.169	-425.12
409	5	1.01104	288.191	-420.065
410	5	1.01943	289.23	-414.968
411	5	1.02789	290.287	-409.828
412	5	1.03643	291.361	-404.646
413	5	1.04505	292.453	-399.421
414	5	1.05375	293.564	-394.152
415	5	1.06252	294.693	-388.839
416	5	1.07138	295.84	-383.483
417	5	1.08032	297.008	-378.081
418	5	1.08935	298.194	-372.634
419	5	1.09847	299.401	-367.142
420	5	1.10768	300.628	-361.603

421	5	1.12168	301.886	-355.995
422	5	1.13113	303.165	-350.339
423	5	1.14069	304.467	-344.636
424	5	1.15035	305.79	-338.884
425	5	1.16012	307.136	-333.084
426	5	1.17	308.505	-327.234
427	5	1.18	309.897	-321.334
428	5	1.19012	311.313	-315.383
429	5	1.20036	312.754	-309.381
430	5	1.21073	314.22	-303.328
431	5	1.22123	315.712	-297.221
432	5	1.23187	317.229	-291.062
433	5	1.24264	318.773	-284.849
434	5	1.25357	320.345	-278.581
435	5	1.26464	321.944	-272.258
436	5	1.27588	323.572	-265.878
437	5	1.29303	325.244	-259.413
438	5	1.30469	326.946	-252.89
439	5	1.31652	328.679	-246.307
440	5	1.32854	330.444	-239.665
441	5	1.34075	332.242	-232.961
442	5	1.35317	334.073	-226.195
443	5	1.36581	335.938	-219.366
444	5	1.37866	337.839	-212.473
445	5	1.39175	339.776	-205.514
446	5	1.40507	341.75	-198.489
447	5	1.41865	343.763	-191.395
448	5	1.4325	345.815	-184.233
449	5	1.44663	347.908	-177
450	5	1.46106	350.042	-169.694
451	5	1.47579	352.22	-162.315
452	5	1.49085	354.443	-154.861
453	5	1.5141	356.735	-147.291
454	5	1.53007	359.077	-139.64
455	5	1.54643	361.468	-131.908
456	5	1.56322	363.912	-124.092
457	5	1.58047	366.41	-116.19
458	5	1.59819	368.964	-108.199
459	5	1.61644	371.577	-100.116
460	5	1.63524	374.251	-91.9403
461	5	1.65463	376.988	-83.6672
462	5	1.67466	379.793	-75.2939
463	5	1.6954	382.667	-66.8169
464	5	1.71688	385.615	-58.2325
465	5	1.7392	388.64	-49.5365
466	5	1.76241	391.746	-40.7244
467	5	1.78661	394.938	-31.7914
468	5	1.81191	398.221	-22.7318
469	5	1.85218	401.651	-13.4709
470	5	1.88079	405.189	-4.06695
471	5	1.91103	408.841	5.4882
472	5	1.94314	412.617	15.2039
473	5	1.97737	416.527	25.0907
474	5	2.01409	420.583	35.1612
475	5	2.05375	424.801	45.4299
476	5.2	2.09693	429.198	56.334
477	5.4	2.14441	433.797	67.9138
478	6	2.19728	438.625	81.0975
479	6.5	2.25713	443.719	95.7688
480	6.7	2.32634	449.131	111.355
481	7	2.40892	454.934	128.218
482	7	2.51213	461.245	145.803
483	11	2.65209	468.279	174.976
484	14	2.87815	476.562	215.27

Data Set Standard Deviation = 0.902946
Numerator = 46341.1
Denominator = 187668
W Statistic = 0.246931 = 46341.1 / 187668

5% Critical value of 0.976 exceeds 0.246931
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.246931
Evidence of non-normality at 99% level of significance

77	5	-1.00271	190.399	-456.263
78	5	-0.994457	191.388	-461.235
79	5	-0.986272	192.36	-466.167
80	5	-0.97815	193.317	-471.058
81	5	-0.966088	194.251	-475.888
82	5	-0.958125	195.169	-480.679
83	5	-0.950222	196.071	-485.43
84	5	-0.942375	196.96	-490.142
85	5	-0.93459	197.833	-494.815
86	5	-0.926859	198.692	-499.449
87	5	-0.919183	199.537	-504.045
88	5	-0.911562	200.368	-508.603
89	5	-0.903992	201.185	-513.123
90	5	-0.896473	201.989	-517.605
91	5	-0.889006	202.779	-522.05
92	5	-0.881587	203.556	-526.458
93	5	-0.874218	204.321	-530.829
94	5	-0.866894	205.072	-535.163
95	5	-0.859618	205.811	-539.461
96	5	-0.852385	206.538	-543.723
97	5	-0.841621	207.246	-547.932
98	5	-0.834498	207.942	-552.104
99	5	-0.827417	208.627	-556.241
100	5	-0.820379	209.3	-560.343
101	5	-0.813379	209.961	-564.41
102	5	-0.806422	210.612	-568.442
103	5	-0.7995	211.251	-572.439
104	5	-0.792618	211.879	-576.403
105	5	-0.785774	212.497	-580.331
106	5	-0.778966	213.103	-584.226
107	5	-0.772193	213.7	-588.087
108	5	-0.765456	214.286	-591.915
109	5	-0.758753	214.861	-595.708
110	5	-0.752084	215.427	-599.469
111	5	-0.745449	215.983	-603.196
112	5	-0.738846	216.529	-606.89
113	5	-0.732275	217.065	-610.552
114	5	-0.722479	217.587	-614.164
115	5	-0.715986	218.099	-617.744
116	5	-0.709522	218.603	-621.291
117	5	-0.703089	219.097	-624.807
118	5	-0.696684	219.583	-628.29
119	5	-0.690309	220.059	-631.742
120	5	-0.68396	220.527	-635.162
121	5	-0.677639	220.986	-638.55
122	5	-0.671346	221.437	-641.907
123	5	-0.665079	221.879	-645.232
124	5	-0.658838	222.313	-648.526
125	5	-0.652622	222.739	-651.789
126	5	-0.646431	223.157	-655.021
127	5	-0.640266	223.567	-658.223
128	5	-0.634124	223.969	-661.393
129	5	-0.628006	224.363	-664.533
130	5	-0.618872	224.746	-667.628
131	5	-0.612813	225.122	-670.692
132	5	-0.606775	225.49	-673.726
133	5	-0.60076	225.851	-676.73
134	5	-0.594766	226.205	-679.703
135	5	-0.588793	226.551	-682.647
136	5	-0.582841	226.891	-685.562
137	5	-0.576911	227.224	-688.446
138	5	-0.570999	227.55	-691.301
139	5	-0.565108	227.869	-694.127
140	5	-0.559237	228.182	-696.923
141	5	-0.553384	228.488	-699.69
142	5	-0.547551	228.788	-702.428
143	5	-0.541736	229.082	-705.136
144	5	-0.53594	229.369	-707.816
145	5	-0.530162	229.65	-710.467
146	5	-0.521527	229.922	-713.074
147	5	-0.515791	230.188	-715.653
148	5	-0.510074	230.448	-718.204
149	5	-0.504372	230.703	-720.726
150	5	-0.498687	230.951	-723.219
151	5	-0.493018	231.194	-725.684
152	5	-0.487364	231.432	-728.121
153	5	-0.481728	231.664	-730.53
154	5	-0.476105	231.891	-732.91
155	5	-0.470498	232.112	-735.263
156	5	-0.464904	232.328	-737.587
157	5	-0.459327	232.539	-739.884
158	5	-0.453763	232.745	-742.152
159	5	-0.448213	232.946	-744.394
160	5	-0.442676	233.142	-746.607
161	5	-0.437153	233.333	-748.793
162	5	-0.428895	233.517	-750.937

163	5	-0.423405	233.696	-753.054
164	5	-0.417928	233.871	-755.144
165	5	-0.412463	234.041	-757.206
166	5	-0.40701	234.207	-759.241
167	5	-0.401571	234.368	-761.249
168	5	-0.396142	234.525	-763.23
169	5	-0.390726	234.677	-765.183
170	5	-0.385321	234.826	-767.11
171	5	-0.379927	234.97	-769.01
172	5	-0.374544	235.111	-770.882
173	5	-0.369171	235.247	-772.728
174	5	-0.363809	235.379	-774.547
175	5	-0.358459	235.508	-776.34
176	5	-0.353118	235.632	-778.105
177	5	-0.347787	235.753	-779.844
178	5	-0.33981	235.869	-781.543
179	5	-0.334503	235.981	-783.216
180	5	-0.329206	236.089	-784.862
181	5	-0.323919	236.194	-786.481
182	5	-0.318639	236.296	-788.074
183	5	-0.31337	236.394	-789.641
184	5	-0.308108	236.489	-791.182
185	5	-0.302855	236.58	-792.696
186	5	-0.297612	236.669	-794.184
187	5	-0.292375	236.754	-795.646
188	5	-0.287147	236.837	-797.082
189	5	-0.281926	236.916	-798.491
190	5	-0.276714	236.993	-799.875
191	5	-0.271509	237.067	-801.233
192	5	-0.266311	237.138	-802.564
193	5	-0.26112	237.206	-803.87
194	5	-0.253347	237.27	-805.136
195	5	-0.248174	237.332	-806.377
196	5	-0.243007	237.391	-807.592
197	5	-0.237847	237.447	-808.782
198	5	-0.232693	237.501	-809.945
199	5	-0.227545	237.553	-811.083
200	5	-0.222403	237.603	-812.195
201	5	-0.217267	237.65	-813.281
202	5	-0.212137	237.695	-814.342
203	5	-0.207012	237.738	-815.377
204	5	-0.201894	237.778	-816.386
205	5	-0.196779	237.817	-817.37
206	5	-0.191671	237.854	-818.329
207	5	-0.186567	237.889	-819.261
208	5	-0.181468	237.922	-820.169
209	5	-0.176374	237.953	-821.051
210	5	-0.171285	237.982	-821.907
211	5	-0.163659	238.009	-822.725
212	5	-0.158579	238.034	-823.518
213	5	-0.153505	238.058	-824.286
214	5	-0.148434	238.08	-825.028
215	5	-0.143367	238.1	-825.745
216	5	-0.138305	238.119	-826.436
217	5	-0.133244	238.137	-827.103
218	5	-0.128189	238.153	-827.743
219	5	-0.123135	238.169	-828.359
220	5	-0.118085	238.183	-828.95
221	5	-0.113039	238.195	-829.515
222	5	-0.107995	238.207	-830.055
223	5	-0.102953	238.218	-830.569
224	5	-0.0979139	238.227	-831.059
225	5	-0.0928787	238.236	-831.523
226	5	-0.0878447	238.243	-831.963
227	5	-0.0802981	238.25	-832.364
228	5	-0.0752698	238.256	-832.741
229	5	-0.0702426	238.261	-833.092
230	5	-0.0652187	238.265	-833.418
231	5	-0.0601949	238.268	-833.719
232	5	-0.0551734	238.271	-833.995
233	5	-0.0501541	238.274	-834.245
234	5	-0.0451348	238.276	-834.471
235	5	-0.0401167	238.278	-834.672
236	5	-0.0350997	238.279	-834.847
237	5	-0.0300838	238.28	-834.998
238	5	-0.0250691	238.28	-835.123
239	5	-0.0200544	238.281	-835.223
240	5	-0.0150408	238.281	-835.298
241	5	-0.0100272	238.281	-835.349
242	5	-0.00501359	238.281	-835.374
243	5	0.00501359	238.281	-835.349
244	5	0.0100272	238.281	-835.298
245	5	0.0150408	238.281	-835.223
246	5	0.0200544	238.282	-835.123
247	5	0.0250691	238.283	-834.998
248	5	0.0300838	238.283	-834.847

249	5	0.0350997	238.285	-834.672
250	5	0.0401167	238.286	-834.471
251	5	0.0451348	238.288	-834.245
252	5	0.0501541	238.291	-833.995
253	5	0.0551734	238.294	-833.719
254	5	0.0601949	238.297	-833.418
255	5	0.0652187	238.302	-833.092
256	5	0.0702426	238.307	-832.741
257	5	0.0752698	238.312	-832.364
258	5	0.0802981	238.319	-831.963
259	5	0.0878447	238.326	-831.523
260	5	0.0928787	238.335	-831.059
261	5	0.0979139	238.345	-830.569
262	5	0.102953	238.355	-830.055
263	5	0.107995	238.367	-829.515
264	5	0.113039	238.38	-828.95
265	5	0.118085	238.394	-828.359
266	5	0.123135	238.409	-827.743
267	5	0.128189	238.425	-827.103
268	5	0.133244	238.443	-826.436
269	5	0.138305	238.462	-825.745
270	5	0.143367	238.483	-825.028
271	5	0.148434	238.505	-824.286
272	5	0.153505	238.528	-823.518
273	5	0.158579	238.553	-822.725
274	5	0.163659	238.58	-821.907
275	5	0.171285	238.61	-821.051
276	5	0.176374	238.641	-820.169
277	5	0.181468	238.674	-819.261
278	5	0.186567	238.708	-818.329
279	5	0.191671	238.745	-817.37
280	5	0.196779	238.784	-816.386
281	5	0.201894	238.825	-815.377
282	5	0.207012	238.868	-814.342
283	5	0.212137	238.913	-813.281
284	5	0.217267	238.96	-812.195
285	5	0.222403	239.009	-811.083
286	5	0.227545	239.061	-809.945
287	5	0.232693	239.115	-808.782
288	5	0.237847	239.172	-807.592
289	5	0.243007	239.231	-806.377
290	5	0.248174	239.292	-805.136
291	5	0.253347	239.357	-803.87
292	5	0.26112	239.425	-802.564
293	5	0.266311	239.496	-801.233
294	5	0.271509	239.569	-799.875
295	5	0.276714	239.646	-798.491
296	5	0.281926	239.725	-797.082
297	5	0.287147	239.808	-795.646
298	5	0.292375	239.893	-794.184
299	5	0.297612	239.982	-792.696
300	5	0.302855	240.074	-791.182
301	5	0.308108	240.169	-789.641
302	5	0.31337	240.267	-788.074
303	5	0.318639	240.368	-786.481
304	5	0.323919	240.473	-784.862
305	5	0.329206	240.582	-783.216
306	5	0.334503	240.693	-781.543
307	5	0.33981	240.809	-779.844
308	5	0.347787	240.93	-778.105
309	5	0.353118	241.055	-776.34
310	5	0.358459	241.183	-774.547
311	5	0.363809	241.315	-772.728
312	5	0.369171	241.452	-770.882
313	5	0.374544	241.592	-769.01
314	5	0.379927	241.736	-767.11
315	5	0.385321	241.885	-765.183
316	5	0.390726	242.037	-763.23
317	5	0.396142	242.194	-761.249
318	5	0.401571	242.356	-759.241
319	5	0.40701	242.521	-757.206
320	5	0.412463	242.691	-755.144
321	5	0.417928	242.866	-753.054
322	5	0.423405	243.045	-750.937
323	5	0.428895	243.229	-748.793
324	5	0.437153	243.42	-746.607
325	5	0.442676	243.616	-744.394
326	5	0.448213	243.817	-742.152
327	5	0.453763	244.023	-739.884
328	5	0.459327	244.234	-737.587
329	5	0.464904	244.45	-735.263
330	5	0.470498	244.672	-732.91
331	5	0.476105	244.898	-730.53
332	5	0.481728	245.13	-728.121
333	5	0.487364	245.368	-725.684
334	5	0.493018	245.611	-723.219

335	5	0.498687	245.86	-720.726
336	5	0.504372	246.114	-718.204
337	5	0.510074	246.374	-715.653
338	5	0.515791	246.64	-713.074
339	5	0.521527	246.912	-710.467
340	5	0.530162	247.193	-707.816
341	5	0.53594	247.481	-705.136
342	5	0.541736	247.774	-702.428
343	5	0.547551	248.074	-699.69
344	5	0.553384	248.38	-696.923
345	5	0.559237	248.693	-694.127
346	5	0.565108	249.012	-691.301
347	5	0.570999	249.338	-688.446
348	5	0.576911	249.671	-685.562
349	5	0.582841	250.011	-682.647
350	5	0.588793	250.357	-679.703
351	5	0.594766	250.711	-676.73
352	5	0.60076	251.072	-673.726
353	5	0.606775	251.44	-670.692
354	5	0.612813	251.816	-667.628
355	5	0.618872	252.199	-664.533
356	5	0.628006	252.593	-661.393
357	5	0.634124	252.995	-658.223
358	5	0.640266	253.405	-655.021
359	5	0.646431	253.823	-651.789
360	5	0.652622	254.249	-648.526
361	5	0.658838	254.683	-645.232
362	5	0.665079	255.125	-641.907
363	5	0.671346	255.576	-638.55
364	5	0.677639	256.035	-635.162
365	5	0.68396	256.503	-631.742
366	5	0.690309	256.98	-628.29
367	5	0.696684	257.465	-624.807
368	5	0.703089	257.959	-621.291
369	5	0.709522	258.463	-617.744
370	5	0.715986	258.975	-614.164
371	5	0.722479	259.497	-610.552
372	5	0.732275	260.034	-606.89
373	5	0.738846	260.58	-603.196
374	5	0.745449	261.135	-599.469
375	5	0.752084	261.701	-595.708
376	5	0.758753	262.277	-591.915
377	5	0.765456	262.863	-588.087
378	5	0.772193	263.459	-584.226
379	5	0.778966	264.066	-580.331
380	5	0.785774	264.683	-576.403
381	5	0.792618	265.311	-572.439
382	5	0.7995	265.95	-568.442
383	5	0.806422	266.601	-564.41
384	5	0.813379	267.262	-560.343
385	5	0.820379	267.935	-556.241
386	5	0.827417	268.62	-552.104
387	5	0.834498	269.316	-547.932
388	5	0.841621	270.025	-543.723
389	5	0.852385	270.751	-539.461
390	5	0.859618	271.49	-535.163
391	5	0.866894	272.242	-530.829
392	5	0.874218	273.006	-526.458
393	5	0.881587	273.783	-522.05
394	5	0.889006	274.574	-517.605
395	5	0.896473	275.377	-513.123
396	5	0.903992	276.194	-508.603
397	5	0.911562	277.025	-504.045
398	5	0.919183	277.87	-499.449
399	5	0.926859	278.729	-494.815
400	5	0.93459	279.603	-490.142
401	5	0.942375	280.491	-485.43
402	5	0.950222	281.394	-480.679
403	5	0.958125	282.312	-475.888
404	5	0.966088	283.245	-471.058
405	5	0.97815	284.202	-466.167
406	5	0.986272	285.175	-461.235
407	5	0.994457	286.164	-456.263
408	5	1.00271	287.169	-451.25
409	5	1.01104	288.191	-446.194
410	5	1.01943	289.23	-441.097
411	5	1.02789	290.287	-435.958
412	5	1.03643	291.361	-430.776
413	5	1.04505	292.453	-425.55
414	5	1.05375	293.564	-420.282
415	5	1.06252	294.693	-414.969
416	5	1.07138	295.84	-409.612
417	5	1.08032	297.008	-404.211
418	5	1.08935	298.194	-398.764
419	5	1.09847	299.401	-393.271
420	5	1.10768	300.628	-387.733

421	5	1 12168	301.886	-382.125
422	5	1.13113	303.165	-376.469
423	5	1.14069	304.467	-370.766
424	5	1.15035	305.79	-365.014
425	5	1.16012	307.136	-359.213
426	5	1 17	308.505	-353.363
427	5	1.18	309.897	-347.463
428	5	1 19012	311.313	-341.513
429	5	1.20036	312.754	-335.511
430	5	1.21073	314.22	-329.457
431	5	1.22123	315.712	-323.351
432	5	1.23187	317.229	-317.192
433	5	1.24264	318.773	-310.978
434	5	1 25357	320 345	-304.711
435	5	1.26464	321.944	-298.387
436	5	1.27588	323.572	-292.008
437	5	1 29303	325.244	-285.543
438	5	1.30469	326.946	-279.019
439	5	1 31652	328.679	-272 437
440	5	1 32854	330.444	-265.794
441	5	1.34075	332.242	-259.09
442	5	1.35317	334.073	-252.325
443	5	1 36581	335.938	-245.496
444	5	1.37866	337.839	-238.602
445	5	1 39175	339 776	-231.643
446	5	1.40507	341 75	-224.618
447	5	1.41865	343.763	-217.525
448	5	1.4325	345.815	-210.362
449	5	1.44663	347.908	-203.129
450	5	1.46106	350.042	-195.824
451	5	1.47579	352 22	-188.445
452	5	1.49085	354.443	-180.991
453	5	1.5141	356.735	-173.42
454	5	1.53007	359.077	-165.77
455	5	1.54643	361.468	-158.038
456	5	1.56322	363.912	-150.222
457	5	1.58047	366.41	-142.319
458	5	1.59819	368.964	-134 328
459	5	1.61644	371.577	-126.246
460	5	1 63524	374.251	-118.07
461	5	1.65463	376.988	-109.797
462	5	1.67466	379.793	-101.423
463	5	1.6954	382.667	-92.9465
464	5	1 71688	385.615	-84.3621
465	5	1.7392	388.64	-75.6661
466	5	1 76241	391.746	-66.854
467	5	1 78661	394.938	-57 921
468	5	1.81191	398.221	-48.8614
469	5	1 85218	401.651	-39.6005
470	5	1.88079	405.189	-30.1966
471	5	1.91103	408.841	-20.6414
472	5	1 94314	412.617	-10.9257
473	5	1.97737	416.527	-1.03889
474	5	2.01409	420.583	9.03158
475	5	2 05375	424.801	19.3003
476	5	2.09693	429 198	29.785
477	5	2.14441	433.797	40.507
478	5	2 19728	438.625	51.4934
479	5	2.25713	443.719	62.7791
480	5	2 32634	449.131	74.4108
481	5	2 40892	454.934	86.4554
482	5	2.51213	461.245	99.0161
483	5	2.65209	468.279	112.277
484	5	2.87815	476.562	126 667

Data Set Standard Deviation = 0.639645
Numerator = 16044.6
Denominator = 94177.1
W Statistic = 0.170366 = 16044 6 / 94177 1

5% Critical value of 0.976 exceeds 0.170366
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.170366
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 = 484

-	x(i)	m(i)	sum(m^2)	sum(mx)
1	0.46	-2.87815	8.28375	-1.32395
2	0.47	-2.65209	15.3173	-2.57043
3	0 49	-2.51213	21.6281	-3.80138
4	0.52	-2.40892	27.431	-5 05402
5	0.52	-2.32634	32.8429	-6.26371
6	0.66	-2 25713	37 9375	-7.75342
7	0 71	-2.19728	42.7656	-9.31349
8	0.94	-2.14441	47.3641	-11.3292
9	1	-2 09693	51.7612	-13.4262
10	1.1	-2.05375	55.9791	-15.6853
11	2 3	-2.01409	60.0357	-20.3177
12	3	-1.97737	63.9456	-26.2498
13	3.3	-1.94314	67 7214	-32.6622
14	3.6	-1.91103	71.3735	-39.5419
15	5	-1 88079	74.9108	-48.9458
16	5	-1.85218	78.3414	-58.2067
17	5	-1.81191	81.6244	-67.2663
18	5	-1.78661	84.8164	-76.1993
19	5	-1.76241	87.9225	-85.0114
20	5	-1.7392	90.9473	-93.7074
21	5	-1.71688	93.895	-102.292
22	5	-1.6954	96.7694	-110.769
23	5	-1.67466	99.5739	-119.142
24	5	-1.65463	102.312	-127.415
25	5	-1.63524	104.986	-135.591
26	5	-1 61644	107.599	-143.674
27	5	-1.59819	110.153	-151.665
28	5	-1.58047	112.651	-159.567
29	5	-1.56322	115.094	-167.383
30	5	-1.54643	117.486	-175.115
31	5	-1.53007	119.827	-182.765
32	5	-1 5141	122.119	-190.336
33	5	-1 49085	124.342	-197.79
34	5	-1.47579	126.52	-205.169
35	5	-1.46106	128.655	-212.474
36	5	-1.44663	130.747	-219.708
37	5	-1.4325	132.799	-226.87
38	5	-1.41865	134.812	-233.963
39	5	-1.40507	136.786	-240.989
40	5	-1.39175	138.723	-247.948
41	5	-1.37866	140.624	-254.841
42	5	-1.36581	142.489	-261.67
43	5	-1.35317	144 32	-268.436
44	5	-1.34075	146.118	-275.139
45	5	-1.32854	147.883	-281.782
46	5	-1 31652	149.616	-288.365
47	5	-1.30469	151.318	-294.888
48	5	-1.29303	152.99	-301.353
49	5	-1.27588	154 618	-307.733
50	5	-1.26464	156.218	-314.056
51	5	-1.25357	157.789	-320.324
52	5	-1.24264	159 333	-326.537
53	5	-1.23187	160.851	-332.696
54	5	-1.22123	162.342	-338.802
55	5	-1.21073	163.808	-344.856
56	5	-1.20036	165.249	-350.858
57	5	-1 19012	166.665	-356.809
58	5	-1.18	168.058	-362.709
59	5	-1.17	169.426	-368.559
60	5	-1.16012	170.772	-374.359
61	5	-1.15035	172.096	-380.111
62	5	-1.14069	173.397	-385.814
63	5	-1.13113	174 676	-391.47
64	5	-1.12168	175.934	-397.078
65	5	-1.10768	177.161	-402.617
66	5	-1 09847	178.368	-408.109
67	5	-1.08935	179.555	-413.556
68	5	-1.08032	180.722	-418.957
69	5	-1.07138	181.87	-424.314
70	5	-1.06252	182.999	-429.627
71	5	-1 05375	184.109	-434 896
72	5	-1.04505	185.201	-440.121
73	5	-1.03643	186.275	-445.303
74	5	-1.02789	187.332	-450.443
75	5	-1.01943	188.371	-455.54
76	5	-1 01104	189.393	-460.595

77	5	-1.00271	190.399	-465.608
78	5	-0.994457	191.388	-470.581
79	5	-0.986272	192.36	-475.512
80	5	-0.97815	193.317	-480.403
81	5	-0.966088	194.251	-485.233
82	5	-0.958125	195.169	-490.024
83	5	-0.950222	196.071	-494.775
84	5	-0.942375	196.96	-499.487
85	5	-0.93459	197.833	-504.16
86	5	-0.926859	198.692	-508.794
87	5	-0.919183	199.537	-513.39
88	5	-0.911562	200.368	-517.948
89	5	-0.903992	201.185	-522.468
90	5	-0.896473	201.989	-526.95
91	5	-0.889006	202.779	-531.395
92	5	-0.881587	203.556	-535.803
93	5	-0.874218	204.321	-540.174
94	5	-0.866894	205.072	-544.509
95	5	-0.859618	205.811	-548.807
96	5	-0.852385	206.538	-553.069
97	5	-0.841621	207.246	-557.277
98	5	-0.834498	207.942	-561.449
99	5	-0.827417	208.627	-565.586
100	5	-0.820379	209.3	-569.688
101	5	-0.813379	209.961	-573.755
102	5	-0.806422	210.612	-577.787
103	5	-0.7995	211.251	-581.785
104	5	-0.792618	211.879	-585.748
105	5	-0.785774	212.497	-589.677
106	5	-0.778966	213.103	-593.572
107	5	-0.772193	213.7	-597.433
108	5	-0.765456	214.286	-601.26
109	5	-0.758753	214.861	-605.054
110	5	-0.752084	215.427	-608.814
111	5	-0.745449	215.983	-612.541
112	5	-0.738846	216.529	-616.235
113	5	-0.732275	217.065	-619.897
114	5	-0.722479	217.587	-623.509
115	5	-0.715986	218.099	-627.089
116	5	-0.709522	218.603	-630.637
117	5	-0.703089	219.097	-634.152
118	5	-0.696684	219.583	-637.636
119	5	-0.690309	220.059	-641.087
120	5	-0.68396	220.527	-644.507
121	5	-0.677639	220.986	-647.895
122	5	-0.671346	221.437	-651.252
123	5	-0.665079	221.879	-654.577
124	5	-0.658838	222.313	-657.872
125	5	-0.652622	222.739	-661.135
126	5	-0.646431	223.157	-664.367
127	5	-0.640266	223.567	-667.568
128	5	-0.634124	223.969	-670.739
129	5	-0.628006	224.363	-673.879
130	5	-0.618872	224.746	-676.973
131	5	-0.612813	225.122	-680.037
132	5	-0.606775	225.49	-683.071
133	5	-0.60076	225.851	-686.075
134	5	-0.594766	226.205	-689.049
135	5	-0.588793	226.551	-691.993
136	5	-0.582841	226.891	-694.907
137	5	-0.576911	227.224	-697.791
138	5	-0.570999	227.55	-700.646
139	5	-0.565108	227.869	-703.472
140	5	-0.559237	228.182	-706.268
141	5	-0.553384	228.488	-709.035
142	5	-0.547551	228.788	-711.773
143	5	-0.541736	229.082	-714.481
144	5	-0.53594	229.369	-717.161
145	5	-0.530162	229.65	-719.812
146	5	-0.521527	229.922	-722.42
147	5	-0.515791	230.188	-724.999
148	5	-0.510074	230.448	-727.549
149	5	-0.504372	230.703	-730.071
150	5	-0.498687	230.951	-732.564
151	5	-0.493018	231.194	-735.029
152	5	-0.487364	231.432	-737.466
153	5	-0.481728	231.664	-739.875
154	5	-0.476105	231.891	-742.255
155	5	-0.470498	232.112	-744.608
156	5	-0.464904	232.328	-746.932
157	5	-0.459327	232.539	-749.229
158	5	-0.453763	232.745	-751.498
159	5	-0.448213	232.946	-753.739
160	5	-0.442676	233.142	-755.952
161	5	-0.437153	233.333	-758.138
162	5	-0.428895	233.517	-760.282

163	5	-0.423405	233.696	-762.4
164	5	-0.417928	233.871	-764.489
165	5	-0.412463	234.041	-766.551
166	5	-0.40701	234.207	-768.587
167	5	-0.401571	234.368	-770.594
168	5	-0.396142	234.525	-772.575
169	5	-0.390726	234.677	-774.529
170	5	-0.385321	234.826	-776.455
171	5	-0.379927	234.97	-778.355
172	5	-0.374544	235.111	-780.228
173	5	-0.369171	235.247	-782.074
174	5	-0.363809	235.379	-783.893
175	5	-0.358459	235.508	-785.685
176	5	-0.353118	235.632	-787.45
177	5	-0.347787	235.753	-789.189
178	5	-0.33981	235.869	-790.888
179	5	-0.334503	235.981	-792.561
180	5	-0.329206	236.089	-794.207
181	5	-0.323919	236.194	-795.827
182	5	-0.318639	236.296	-797.42
183	5	-0.31337	236.394	-798.987
184	5	-0.308108	236.489	-800.527
185	5	-0.302855	236.58	-802.041
186	5	-0.297612	236.669	-803.529
187	5	-0.292375	236.754	-804.991
188	5	-0.287147	236.837	-806.427
189	5	-0.281926	236.916	-807.837
190	5	-0.276714	236.993	-809.22
191	5	-0.271509	237.067	-810.578
192	5	-0.266311	237.138	-811.909
193	5	-0.26112	237.206	-813.215
194	5	-0.253347	237.27	-814.482
195	5	-0.248174	237.332	-815.723
196	5	-0.243007	237.391	-816.938
197	5	-0.237847	237.447	-818.127
198	5	-0.232693	237.501	-819.29
199	5	-0.227545	237.553	-820.428
200	5	-0.222403	237.603	-821.54
201	5	-0.217267	237.65	-822.626
202	5	-0.212137	237.695	-823.687
203	5	-0.207012	237.738	-824.722
204	5	-0.201894	237.778	-825.732
205	5	-0.196779	237.817	-826.716
206	5	-0.191671	237.854	-827.674
207	5	-0.186567	237.889	-828.607
208	5	-0.181468	237.922	-829.514
209	5	-0.176374	237.953	-830.396
210	5	-0.171285	237.982	-831.252
211	5	-0.163659	238.009	-832.071
212	5	-0.158579	238.034	-832.864
213	5	-0.153505	238.058	-833.631
214	5	-0.148434	238.08	-834.373
215	5	-0.143367	238.1	-835.09
216	5	-0.138305	238.119	-835.782
217	5	-0.133244	238.137	-836.448
218	5	-0.128189	238.153	-837.089
219	5	-0.123135	238.169	-837.704
220	5	-0.118085	238.183	-838.295
221	5	-0.113039	238.195	-838.86
222	5	-0.107995	238.207	-839.4
223	5	-0.102953	238.218	-839.915
224	5	-0.0979139	238.227	-840.404
225	5	-0.0928787	238.236	-840.869
226	5	-0.0878447	238.243	-841.308
227	5	-0.0802981	238.25	-841.709
228	5	-0.0752698	238.256	-842.086
229	5	-0.0702426	238.261	-842.437
230	5	-0.0652187	238.265	-842.763
231	5	-0.0601949	238.268	-843.064
232	5	-0.0551734	238.271	-843.34
233	5	-0.0501541	238.274	-843.591
234	5	-0.0451348	238.276	-843.816
235	5	-0.0401167	238.278	-844.017
236	5	-0.0350997	238.279	-844.193
237	5	-0.0300838	238.28	-844.343
238	5	-0.0250691	238.28	-844.468
239	5	-0.0200544	238.281	-844.569
240	5	-0.0150408	238.281	-844.644
241	5	-0.0100272	238.281	-844.694
242	5	-0.00501359	238.281	-844.719
243	5	0.00501359	238.281	-844.694
244	5	0.0100272	238.281	-844.644
245	5	0.0150408	238.281	-844.569
246	5	0.0200544	238.282	-844.468
247	5	0.0250691	238.283	-844.343
248	5	0.0300838	238.283	-844.193

249	5	0.0350997	238.285	-844.017
250	5	0.0401167	238.286	-843.816
251	5	0.0451348	238.288	-843.591
252	5	0.0501541	238.291	-843.34
253	5	0.0551734	238.294	-843.064
254	5	0.0601949	238.297	-842.763
255	5	0.0652187	238.302	-842.437
256	5	0.0702426	238.307	-842.086
257	5	0.0752698	238.312	-841.709
258	5	0.0802981	238.319	-841.308
259	5	0.0878447	238.326	-840.869
260	5	0.0928787	238.335	-840.404
261	5	0.0979139	238.345	-839.915
262	5	0.102953	238.355	-839.4
263	5	0.107995	238.367	-838.86
264	5	0.113039	238.38	-838.295
265	5	0.118085	238.394	-837.704
266	5	0.123135	238.409	-837.089
267	5	0.128189	238.425	-836.448
268	5	0.133244	238.443	-835.782
269	5	0.138305	238.462	-835.09
270	5	0.143367	238.483	-834.373
271	5	0.148434	238.505	-833.631
272	5	0.153505	238.528	-832.864
273	5	0.158579	238.553	-832.071
274	5	0.163659	238.58	-831.252
275	5	0.171285	238.61	-830.396
276	5	0.176374	238.641	-829.514
277	5	0.181468	238.674	-828.607
278	5	0.186567	238.708	-827.674
279	5	0.191671	238.745	-826.716
280	5	0.196779	238.784	-825.732
281	5	0.201894	238.825	-824.722
282	5	0.207012	238.868	-823.687
283	5	0.212137	238.913	-822.626
284	5	0.217267	238.96	-821.54
285	5	0.222403	239.009	-820.428
286	5	0.227545	239.061	-819.29
287	5	0.232693	239.115	-818.127
288	5	0.237847	239.172	-816.938
289	5	0.243007	239.231	-815.723
290	5	0.248174	239.292	-814.482
291	5	0.253347	239.357	-813.215
292	5	0.26112	239.425	-811.909
293	5	0.266311	239.496	-810.578
294	5	0.271509	239.569	-809.22
295	5	0.276714	239.646	-807.837
296	5	0.281926	239.725	-806.427
297	5	0.287147	239.808	-804.991
298	5	0.292375	239.893	-803.529
299	5	0.297612	239.982	-802.041
300	5	0.302855	240.074	-800.527
301	5	0.308108	240.169	-798.987
302	5	0.31337	240.267	-797.42
303	5	0.318639	240.368	-795.827
304	5	0.323919	240.473	-794.207
305	5	0.329206	240.582	-792.561
306	5	0.334503	240.693	-790.888
307	5	0.33981	240.809	-789.189
308	5	0.347787	240.93	-787.45
309	5	0.353118	241.055	-785.685
310	5	0.358459	241.183	-783.893
311	5	0.363809	241.315	-782.074
312	5	0.369171	241.452	-780.228
313	5	0.374544	241.592	-778.355
314	5	0.379927	241.736	-776.455
315	5	0.385321	241.885	-774.529
316	5	0.390726	242.037	-772.575
317	5	0.396142	242.194	-770.594
318	5	0.401571	242.356	-768.587
319	5	0.40701	242.521	-766.551
320	5	0.412463	242.691	-764.489
321	5	0.417928	242.866	-762.4
322	5	0.423405	243.045	-760.282
323	5	0.428895	243.229	-758.138
324	5	0.437153	243.42	-755.952
325	5	0.442676	243.616	-753.739
326	5	0.448213	243.817	-751.498
327	5	0.453763	244.023	-749.229
328	5	0.459327	244.234	-746.932
329	5	0.464904	244.45	-744.608
330	5	0.470498	244.672	-742.255
331	5	0.476105	244.898	-739.875
332	5	0.481728	245.13	-737.466
333	5	0.487364	245.368	-735.029
334	5	0.493018	245.611	-732.564

335	5	0.498687	245.86	-730.071
336	5	0.504372	246.114	-727.549
337	5	0.510074	246.374	-724.999
338	5	0.515791	246.64	-722.42
339	5	0.521527	246.912	-719.812
340	5	0.530162	247.193	-717.161
341	5	0.53594	247.481	-714.481
342	5	0.541736	247.774	-711.773
343	5	0.547551	248.074	-709.035
344	5	0.553384	248.38	-706.268
345	5	0.559237	248.693	-703.472
346	5	0.565108	249.012	-700.646
347	5	0.570999	249.338	-697.791
348	5	0.576911	249.671	-694.907
349	5	0.582841	250.011	-691.993
350	5	0.588793	250.357	-689.049
351	5	0.594766	250.711	-686.075
352	5	0.60076	251.072	-683.071
353	5	0.606775	251.44	-680.037
354	5	0.612813	251.816	-676.973
355	5	0.618872	252.199	-673.879
356	5	0.628006	252.593	-670.739
357	5	0.634124	252.995	-667.568
358	5	0.640266	253.405	-664.367
359	5	0.646431	253.823	-661.135
360	5	0.652622	254.249	-657.872
361	5	0.658838	254.683	-654.577
362	5	0.665079	255.125	-651.252
363	5	0.671346	255.576	-647.895
364	5	0.677639	256.035	-644.507
365	5	0.68396	256.503	-641.087
366	5	0.690309	256.98	-637.636
367	5	0.696684	257.465	-634.152
368	5	0.703089	257.959	-630.637
369	5	0.709522	258.463	-627.089
370	5	0.715986	258.975	-623.509
371	5	0.722479	259.497	-619.897
372	5	0.732275	260.034	-616.235
373	5	0.738846	260.58	-612.541
374	5	0.745449	261.135	-608.814
375	5	0.752084	261.701	-605.054
376	5	0.758753	262.277	-601.26
377	5	0.765456	262.863	-597.433
378	5	0.772193	263.459	-593.572
379	5	0.778966	264.066	-589.677
380	5	0.785774	264.683	-585.748
381	5	0.792618	265.311	-581.785
382	5	0.7995	265.95	-577.787
383	5	0.806422	266.601	-573.755
384	5	0.813379	267.262	-569.688
385	5	0.820379	267.935	-565.586
386	5	0.827417	268.62	-561.449
387	5	0.834498	269.316	-557.277
388	5	0.841621	270.025	-553.069
389	5	0.852385	270.751	-548.807
390	5	0.859618	271.49	-544.509
391	5	0.866894	272.242	-540.174
392	5	0.874218	273.006	-535.803
393	5	0.881587	273.783	-531.395
394	5	0.889006	274.574	-526.95
395	5	0.896473	275.377	-522.468
396	5	0.903992	276.194	-517.948
397	5	0.911562	277.025	-513.39
398	5	0.919183	277.87	-508.794
399	5	0.926859	278.729	-504.16
400	5	0.93459	279.603	-499.487
401	5	0.942375	280.491	-494.775
402	5	0.950222	281.394	-490.024
403	5	0.958125	282.312	-485.233
404	5	0.966088	283.245	-480.403
405	5	0.97815	284.202	-475.512
406	5	0.986272	285.175	-470.581
407	5	0.994457	286.164	-465.608
408	5	1.00271	287.169	-460.595
409	5	1.01104	288.191	-455.54
410	5	1.01943	289.23	-450.443
411	5	1.02789	290.287	-445.303
412	5	1.03643	291.361	-440.121
413	5	1.04505	292.453	-434.896
414	5	1.05375	293.564	-429.627
415	5	1.06252	294.693	-424.314
416	5	1.07138	295.84	-418.957
417	5	1.08032	297.008	-413.556
418	5	1.08935	298.194	-408.109
419	5	1.09847	299.401	-402.617
420	5	1.10768	300.628	-397.078

421	5	1.12168	301.886	-391 47
422	5	1.13113	303.165	-385.814
423	5	1 14069	304 467	-380 111
424	5	1.15035	305.79	-374 359
425	5	1.16012	307.136	-368.559
426	5	1.17	308.505	-362 709
427	5	1.18	309.897	-356.809
428	5	1.19012	311.313	-350.858
429	5	1 20036	312 754	-344.856
430	5	1.21073	314.22	-338.802
431	5	1.22123	315.712	-332.696
432	5	1.23187	317.229	-326.537
433	5	1.24264	318.773	-320.324
434	5	1.25357	320.345	-314.056
435	5	1.26464	321.944	-307.733
436	5	1 27588	323.572	-301 353
437	5	1.29303	325.244	-294 888
438	5	1.30469	326.946	-288.365
439	5	1.31652	328.679	-281.782
440	5	1.32854	330.444	-275.139
441	5	1.34075	332.242	-268.436
442	5	1.35317	334.073	-261.67
443	5	1 36581	335.938	-254.841
444	5	1.37866	337.839	-247.948
445	5	1 39175	339.776	-240.989
446	5	1.40507	341.75	-233.963
447	5	1 41865	343 763	-226.87
448	5	1.4325	345.815	-219.708
449	5	1.44663	347.908	-212.474
450	5	1.46106	350.042	-205.169
451	5	1.47579	352.22	-197.79
452	5	1 49085	354.443	-190.336
453	5	1.5141	356.735	-182.765
454	5	1 53007	359.077	-175.115
455	5	1.54643	361.468	-167.383
456	5	1.56322	363.912	-159.567
457	5.2	1.58047	366.41	-151.348
458	6	1.59819	368.964	-141 759
459	6.1	1.61644	371.577	-131.899
460	6.8	1.63524	374.251	-120.779
461	7	1.65463	376.988	-109.197
462	7.3	1.67466	379.793	-96 972
463	7.9	1.6954	382.667	-83.5784
464	7.9	1.71688	385.615	-70.015
465	8	1 7392	388.64	-56.1014
466	9.7	1.76241	391.746	-39 006
467	11	1 78661	394.938	-19 3533
468	11	1.81191	398.221	0.577756
469	11 5	1.85218	401.651	21.8778
470	12	1.88079	405 189	44.4473
471	20	1 91103	408.841	82.6679
472	20	1.94314	412.617	121.531
473	28.7	1 97737	416.527	178.281
474	28.7	2.01409	420.583	236.086
475	34.4	2.05375	424.801	306.735
476	42	2.09693	429.198	394.806
477	44	2.14441	433.797	489 159
478	48	2.19728	438.625	594.629
479	63	2 25713	443 719	736.828
480	78	2 32634	449.131	918.283
481	79	2.40892	454.934	1108.59
482	110	2.51213	461.245	1384 92
483	160	2.65209	468.279	1809.26
484	200	2.87815	476.562	2384.89

Data Set Standard Deviation = 13.8941
Numerator = 5 68768e+006
Denominator = 4.44352e+007
W Statistic = 0 128 = 5.68768e+006 / 4.44352e+007

5% Critical value of 0.976 exceeds 0.128
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.128
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 = 484

	x(i)	m(i)	sum(m^2)	sum(mx)
1	0.4	-2.87815	8.28375	-1.15126
2	0.51	-2 65209	15.3173	-2.50382
3	0.56	-2 51213	21.6281	-3.91062
4	0.57	-2.40892	27.431	-5.28371
5	0 63	-2 32634	32.8429	-6.7493
6	0.69	-2.25713	37.9375	-8.30672
7	0.83	-2.19728	42.7656	-10.1305
8	0.99	-2.14441	47.3641	-12.2534
9	1	-2.09693	51.7612	-14 3504
10	1.8	-2.05375	55.9791	-18.0471
11	2 8	-2.01409	60.0357	-23.6866
12	3.2	-1.97737	63.9456	-30.0142
13	3.5	-1.94314	67 7214	-36.8151
14	3 6	-1 91103	71.3735	-43.6948
15	4 2	-1 88079	74.9108	-51.5942
16	5	-1.85218	78.3414	-60.855
17	5	-1.81191	81 6244	-69.9146
18	5	-1.78661	84.8164	-78.8477
19	5	-1 76241	87.9225	-87.6597
20	5	-1.7392	90.9473	-96.3557
21	5	-1.71688	93.895	-104.94
22	5	-1.6954	96.7694	-113.417
23	5	-1.67466	99.5739	-121 79
24	5	-1.65463	102.312	-130.064
25	5	-1.63524	104.986	-138.24
26	5	-1.61644	107.599	-146.322
27	5	-1.59819	110.153	-154 313
28	5	-1 58047	112.651	-162.215
29	5	-1.56322	115.094	-170.031
30	5	-1.54643	117 486	-177.763
31	5	-1 53007	119.827	-185.414
32	5	-1.5141	122 119	-192.984
33	5	-1.49085	124.342	-200.439
34	5	-1.47579	126 52	-207 818
35	5	-1.46106	128.655	-215.123
36	5	-1.44663	130.747	-222 356
37	5	-1 4325	132.799	-229.519
38	5	-1.41865	134.812	-236.612
39	5	-1.40507	136.786	-243.637
40	5	-1.39175	138.723	-250.596
41	5	-1.37866	140.624	-257.489
42	5	-1.36581	142.489	-264.318
43	5	-1.35317	144 32	-271.084
44	5	-1.34075	146.118	-277.788
45	5	-1.32854	147.883	-284 431
46	5	-1.31652	149 616	-291.013
47	5	-1.30469	151.318	-297.537
48	5	-1.29303	152.99	-304.002
49	5	-1.27588	154.618	-310.381
50	5	-1.26464	156.218	-316 704
51	5	-1.25357	157.789	-322.972
52	5	-1.24264	159.333	-329.185
53	5	-1.23187	160.851	-335.345
54	5	-1.22123	162.342	-341.451
55	5	-1.21073	163 808	-347.504
56	5	-1.20036	165.249	-353.506
57	5	-1.19012	166.665	-359.457
58	5	-1.18	168.058	-365.357
59	5	-1.17	169.426	-371.207
60	5	-1 16012	170.772	-377.007
61	5	-1.15035	172 096	-382.759
62	5	-1 14069	173.397	-388.463
63	5	-1.13113	174 676	-394.118
64	5	-1.12168	175.934	-399.727
65	5	-1.10768	177.161	-405.265
66	5	-1.09847	178.368	-410.757
67	5	-1.08935	179.555	-416.204
68	5	-1.08032	180.722	-421.606
69	5	-1.07138	181.87	-426.963
70	5	-1.06252	182 999	-432.275
71	5	-1.05375	184.109	-437.544
72	5	-1.04505	185.201	-442 769
73	5	-1.03643	186.275	-447.951
74	5	-1.02789	187.332	-453.091
75	5	-1 01943	188.371	-458.188
76	5	-1.01104	189 393	-463.243

77	5	-1.00271	190.399	-468.257
78	5	-0.994457	191.388	-473.229
79	5	-0.986272	192.36	-478.16
80	5	-0.97815	193.317	-483.051
81	5	-0.966088	194.251	-487.882
82	5	-0.958125	195.169	-492.672
83	5	-0.950222	196.071	-497.423
84	5	-0.942375	196.96	-502.135
85	5	-0.93459	197.833	-506.808
86	5	-0.926859	198.692	-511.442
87	5	-0.919183	199.537	-516.038
88	5	-0.911562	200.368	-520.596
89	5	-0.903992	201.185	-525.116
90	5	-0.896473	201.989	-529.599
91	5	-0.889006	202.779	-534.044
92	5	-0.881587	203.556	-538.451
93	5	-0.874218	204.321	-542.823
94	5	-0.866894	205.072	-547.157
95	5	-0.859618	205.811	-551.455
96	5	-0.852385	206.538	-555.717
97	5	-0.841621	207.246	-559.925
98	5	-0.834498	207.942	-564.098
99	5	-0.827417	208.627	-568.235
100	5	-0.820379	209.3	-572.337
101	5	-0.813379	209.961	-576.404
102	5	-0.806422	210.612	-580.436
103	5	-0.7995	211.251	-584.433
104	5	-0.792618	211.879	-588.396
105	5	-0.785774	212.497	-592.325
106	5	-0.778966	213.103	-596.22
107	5	-0.772193	213.7	-600.081
108	5	-0.765456	214.286	-603.908
109	5	-0.758753	214.861	-607.702
110	5	-0.752084	215.427	-611.462
111	5	-0.745449	215.983	-615.19
112	5	-0.738846	216.529	-618.884
113	5	-0.732275	217.065	-622.545
114	5	-0.722479	217.587	-626.158
115	5	-0.715986	218.099	-629.738
116	5	-0.709522	218.603	-633.285
117	5	-0.703089	219.097	-636.801
118	5	-0.696684	219.583	-640.284
119	5	-0.690309	220.059	-643.736
120	5	-0.68396	220.527	-647.155
121	5	-0.677639	220.986	-650.544
122	5	-0.671346	221.437	-653.9
123	5	-0.665079	221.879	-657.226
124	5	-0.658838	222.313	-660.52
125	5	-0.652622	222.739	-663.783
126	5	-0.646431	223.157	-667.015
127	5	-0.640266	223.567	-670.216
128	5	-0.634124	223.969	-673.387
129	5	-0.628006	224.363	-676.527
130	5	-0.618872	224.746	-679.621
131	5	-0.612813	225.122	-682.686
132	5	-0.606775	225.49	-685.719
133	5	-0.60076	225.851	-688.723
134	5	-0.594766	226.205	-691.697
135	5	-0.588793	226.551	-694.641
136	5	-0.582841	226.891	-697.555
137	5	-0.576911	227.224	-700.44
138	5	-0.570999	227.55	-703.295
139	5	-0.565108	227.869	-706.12
140	5	-0.559237	228.182	-708.916
141	5	-0.553384	228.488	-711.683
142	5	-0.547551	228.788	-714.421
143	5	-0.541736	229.082	-717.13
144	5	-0.53594	229.369	-719.81
145	5	-0.530162	229.65	-722.46
146	5	-0.521527	229.922	-725.068
147	5	-0.515791	230.188	-727.647
148	5	-0.510074	230.448	-730.197
149	5	-0.504372	230.703	-732.719
150	5	-0.498687	230.951	-735.213
151	5	-0.493018	231.194	-737.678
152	5	-0.487364	231.432	-740.115
153	5	-0.481728	231.664	-742.523
154	5	-0.476105	231.891	-744.904
155	5	-0.470498	232.112	-747.256
156	5	-0.464904	232.328	-749.581
157	5	-0.459327	232.539	-751.877
158	5	-0.453763	232.745	-754.146
159	5	-0.448213	232.946	-756.387
160	5	-0.442676	233.142	-758.601
161	5	-0.437153	233.333	-760.786
162	5	-0.428895	233.517	-762.931

163	5	-0.423405	233.696	-765.048
164	5	-0.417928	233.871	-767.137
165	5	-0.412463	234.041	-769.2
166	5	-0.40701	234.207	-771.235
167	5	-0.401571	234.368	-773.243
168	5	-0.396142	234.525	-775.223
169	5	-0.390726	234.677	-777.177
170	5	-0.385321	234.826	-779.104
171	5	-0.379927	234.97	-781.003
172	5	-0.374544	235.111	-782.876
173	5	-0.369171	235.247	-784.722
174	5	-0.363809	235.379	-786.541
175	5	-0.358459	235.508	-788.333
176	5	-0.353118	235.632	-790.099
177	5	-0.347787	235.753	-791.838
178	5	-0.33981	235.869	-793.537
179	5	-0.334503	235.981	-795.209
180	5	-0.329206	236.089	-796.855
181	5	-0.323919	236.194	-798.475
182	5	-0.318639	236.296	-800.068
183	5	-0.31337	236.394	-801.635
184	5	-0.308108	236.489	-803.175
185	5	-0.302855	236.58	-804.69
186	5	-0.297612	236.669	-806.178
187	5	-0.292375	236.754	-807.64
188	5	-0.287147	236.837	-809.075
189	5	-0.281926	236.916	-810.485
190	5	-0.276714	236.993	-811.869
191	5	-0.271509	237.067	-813.226
192	5	-0.266311	237.138	-814.558
193	5	-0.26112	237.206	-815.863
194	5	-0.253347	237.27	-817.13
195	5	-0.248174	237.332	-818.371
196	5	-0.243007	237.391	-819.586
197	5	-0.237847	237.447	-820.775
198	5	-0.232693	237.501	-821.939
199	5	-0.227545	237.553	-823.076
200	5	-0.222403	237.603	-824.188
201	5	-0.217267	237.65	-825.275
202	5	-0.212137	237.695	-826.335
203	5	-0.207012	237.738	-827.371
204	5	-0.201894	237.778	-828.38
205	5	-0.196779	237.817	-829.364
206	5	-0.191671	237.854	-830.322
207	5	-0.186567	237.889	-831.255
208	5	-0.181468	237.922	-832.162
209	5	-0.176374	237.953	-833.044
210	5	-0.171285	237.982	-833.901
211	5	-0.163659	238.009	-834.719
212	5	-0.158579	238.034	-835.512
213	5	-0.153505	238.058	-836.279
214	5	-0.148434	238.08	-837.022
215	5	-0.143367	238.1	-837.738
216	5	-0.138305	238.119	-838.43
217	5	-0.133244	238.137	-839.096
218	5	-0.128189	238.153	-839.737
219	5	-0.123135	238.169	-840.353
220	5	-0.118085	238.183	-840.943
221	5	-0.113039	238.195	-841.508
222	5	-0.107995	238.207	-842.048
223	5	-0.102953	238.218	-842.563
224	5	-0.0979139	238.227	-843.053
225	5	-0.0928787	238.236	-843.517
226	5	-0.0878447	238.243	-843.956
227	5	-0.0802981	238.25	-844.358
228	5	-0.0752698	238.256	-844.734
229	5	-0.0702426	238.261	-845.085
230	5	-0.0652187	238.265	-845.411
231	5	-0.0601949	238.268	-845.712
232	5	-0.0551734	238.271	-845.988
233	5	-0.0501541	238.274	-846.239
234	5	-0.0451348	238.276	-846.465
235	5	-0.0401167	238.278	-846.665
236	5	-0.0350997	238.279	-846.841
237	5	-0.0300838	238.28	-846.991
238	5	-0.0250691	238.28	-847.117
239	5	-0.0200544	238.281	-847.217
240	5	-0.0150408	238.281	-847.292
241	5	-0.0100272	238.281	-847.342
242	5	-0.00501359	238.281	-847.367
243	5	0.00501359	238.281	-847.342
244	5	0.0100272	238.281	-847.292
245	5	0.0150408	238.281	-847.217
246	5	0.0200544	238.282	-847.117
247	5	0.0250691	238.283	-846.991
248	5	0.0300838	238.283	-846.841

249	5	0.0350997	238.285	-846.665
250	5	0.0401167	238.286	-846.465
251	5	0.0451348	238.288	-846.239
252	5	0.0501541	238.291	-845.988
253	5	0.0551734	238.294	-845.712
254	5	0.0601949	238.297	-845.411
255	5	0.0652187	238.302	-845.085
256	5	0.0702426	238.307	-844.734
257	5	0.0752698	238.312	-844.358
258	5	0.0802981	238.319	-843.956
259	5	0.0878447	238.326	-843.517
260	5	0.0928787	238.335	-843.053
261	5	0.0979139	238.345	-842.563
262	5	0.102953	238.355	-842.048
263	5	0.107995	238.367	-841.508
264	5	0.113039	238.38	-840.943
265	5	0.118085	238.394	-840.353
266	5	0.123135	238.409	-839.737
267	5	0.128189	238.425	-839.096
268	5	0.133244	238.443	-838.43
269	5	0.138305	238.462	-837.738
270	5	0.143367	238.483	-837.022
271	5	0.148434	238.505	-836.279
272	5	0.153505	238.528	-835.512
273	5	0.158579	238.553	-834.719
274	5	0.163659	238.58	-833.901
275	5	0.171285	238.61	-833.044
276	5	0.176374	238.641	-832.162
277	5	0.181468	238.674	-831.255
278	5	0.186567	238.708	-830.322
279	5	0.191671	238.745	-829.364
280	5	0.196779	238.784	-828.38
281	5	0.201894	238.825	-827.371
282	5	0.207012	238.868	-826.335
283	5	0.212137	238.913	-825.275
284	5	0.217267	238.96	-824.188
285	5	0.222403	239.009	-823.076
286	5	0.227545	239.061	-821.939
287	5	0.232693	239.115	-820.775
288	5	0.237847	239.172	-819.586
289	5	0.243007	239.231	-818.371
290	5	0.248174	239.292	-817.13
291	5	0.253347	239.357	-815.863
292	5	0.26112	239.425	-814.558
293	5	0.266311	239.496	-813.226
294	5	0.271509	239.569	-811.869
295	5	0.276714	239.646	-810.485
296	5	0.281926	239.725	-809.075
297	5	0.287147	239.808	-807.64
298	5	0.292375	239.893	-806.178
299	5	0.297612	239.982	-804.69
300	5	0.302855	240.074	-803.175
301	5	0.308108	240.169	-801.635
302	5	0.31337	240.267	-800.068
303	5	0.318639	240.368	-798.475
304	5	0.323919	240.473	-796.855
305	5	0.329206	240.582	-795.209
306	5	0.334503	240.693	-793.537
307	5	0.33981	240.809	-791.838
308	5	0.347787	240.93	-790.099
309	5	0.353118	241.055	-788.333
310	5	0.358459	241.183	-786.541
311	5	0.363809	241.315	-784.722
312	5	0.369171	241.452	-782.876
313	5	0.374544	241.592	-781.003
314	5	0.379927	241.736	-779.104
315	5	0.385321	241.885	-777.177
316	5	0.390726	242.037	-775.223
317	5	0.396142	242.194	-773.243
318	5	0.401571	242.356	-771.235
319	5	0.40701	242.521	-769.2
320	5	0.412463	242.691	-767.137
321	5	0.417928	242.866	-765.048
322	5	0.423405	243.045	-762.931
323	5	0.428895	243.229	-760.786
324	5	0.437153	243.42	-758.601
325	5	0.442676	243.616	-756.387
326	5	0.448213	243.817	-754.146
327	5	0.453763	244.023	-751.877
328	5	0.459327	244.234	-749.581
329	5	0.464904	244.45	-747.256
330	5	0.470498	244.672	-744.904
331	5	0.476105	244.898	-742.523
332	5	0.481728	245.13	-740.115
333	5	0.487364	245.368	-737.678
334	5	0.493018	245.611	-735.213

335	5	0.498687	245.86	-732.719
336	5	0.504372	246.114	-730.197
337	5	0.510074	246.374	-727.647
338	5	0.515791	246.64	-725.068
339	5	0.521527	246.912	-722.46
340	5	0.530162	247.193	-719.81
341	5	0.53594	247.481	-717.13
342	5	0.541736	247.774	-714.421
343	5	0.547551	248.074	-711.683
344	5	0.553384	248.38	-708.916
345	5	0.559237	248.693	-706.12
346	5	0.565108	249.012	-703.295
347	5	0.570999	249.338	-700.44
348	5	0.576911	249.671	-697.555
349	5	0.582841	250.011	-694.641
350	5	0.588793	250.357	-691.697
351	5	0.594766	250.711	-688.723
352	5	0.60076	251.072	-685.719
353	5	0.606775	251.44	-682.686
354	5	0.612813	251.816	-679.621
355	5	0.618872	252.199	-676.527
356	5	0.628006	252.593	-673.387
357	5	0.634124	252.995	-670.216
358	5	0.640266	253.405	-667.015
359	5	0.646431	253.823	-663.783
360	5	0.652622	254.249	-660.52
361	5	0.658838	254.683	-657.226
362	5	0.665079	255.125	-653.9
363	5	0.671346	255.576	-650.544
364	5	0.677639	256.035	-647.155
365	5	0.68396	256.503	-643.736
366	5	0.690309	256.98	-640.284
367	5	0.696684	257.465	-636.801
368	5	0.703089	257.959	-633.285
369	5	0.709522	258.463	-629.738
370	5	0.715986	258.975	-626.158
371	5	0.722479	259.497	-622.545
372	5	0.732275	260.034	-618.884
373	5	0.738846	260.58	-615.19
374	5	0.745449	261.135	-611.462
375	5	0.752084	261.701	-607.702
376	5	0.758753	262.277	-603.908
377	5	0.765456	262.863	-600.081
378	5	0.772193	263.459	-596.22
379	5	0.778966	264.066	-592.325
380	5	0.785774	264.683	-588.396
381	5	0.792618	265.311	-584.433
382	5	0.7995	265.95	-580.436
383	5	0.806422	266.601	-576.404
384	5	0.813379	267.262	-572.337
385	5	0.820379	267.935	-568.235
386	5	0.827417	268.62	-564.098
387	5	0.834498	269.316	-559.925
388	5	0.841621	270.025	-555.717
389	5	0.852385	270.751	-551.455
390	5	0.859618	271.49	-547.157
391	5	0.866894	272.242	-542.823
392	5	0.874218	273.006	-538.451
393	5	0.881587	273.783	-534.044
394	5	0.889006	274.574	-529.599
395	5	0.896473	275.377	-525.116
396	5	0.903992	276.194	-520.596
397	5	0.911562	277.025	-516.038
398	5	0.919183	277.87	-511.442
399	5	0.926859	278.729	-506.808
400	5	0.93459	279.603	-502.135
401	5	0.942375	280.491	-497.423
402	5	0.950222	281.394	-492.672
403	5	0.958125	282.312	-487.882
404	5	0.966088	283.245	-483.051
405	5	0.97815	284.202	-478.16
406	5	0.986272	285.175	-473.229
407	5	0.994457	286.164	-468.257
408	5	1.00271	287.169	-463.243
409	5	1.01104	288.191	-458.188
410	5	1.01943	289.23	-453.091
411	5	1.02789	290.287	-447.951
412	5	1.03643	291.361	-442.769
413	5	1.04505	292.453	-437.544
414	5	1.05375	293.564	-432.275
415	5	1.06252	294.693	-426.963
416	5	1.07138	295.84	-421.606
417	5	1.08032	297.008	-416.204
418	5	1.08935	298.194	-410.757
419	5	1.09847	299.401	-405.265
420	5	1.10768	300.628	-399.727

421	5	1.12168	301.886	-394.118
422	5	1 13113	303.165	-388.463
423	5	1.14069	304 467	-382.759
424	5	1.15035	305.79	-377.007
425	5	1.16012	307.136	-371 207
426	5	1.17	308.505	-365.357
427	5	1.18	309.897	-359.457
428	5	1.19012	311 313	-353 506
429	5	1.20036	312.754	-347.504
430	5	1 21073	314.22	-341.451
431	5	1.22123	315.712	-335.345
432	5	1.23187	317.229	-329.185
433	5	1.24264	318 773	-322.972
434	5	1.25357	320.345	-316 704
435	5	1.26464	321 944	-310.381
436	5	1.27588	323.572	-304.002
437	5	1.29303	325.244	-297.537
438	5	1.30469	326.946	-291.013
439	5	1.31652	328.679	-284.431
440	5	1 32854	330.444	-277 788
441	5	1.34075	332.242	-271.084
442	5	1.35317	334.073	-264 318
443	5	1.36581	335.938	-257.489
444	5	1.37866	337.839	-250.596
445	5	1.39175	339.776	-243.637
446	5	1.40507	341.75	-236.612
447	5	1.41865	343.763	-229.519
448	5	1.4325	345.815	-222 356
449	5	1.44663	347.908	-215.123
450	5	1.46106	350.042	-207.818
451	5	1.47579	352.22	-200.439
452	5	1 49085	354.443	-192.984
453	5	1.5141	356.735	-185.414
454	5	1.53007	359.077	-177 763
455	5	1.54643	361.468	-170.031
456	5	1.56322	363.912	-162.215
457	5	1.58047	366.41	-154.313
458	5	1 59819	368.964	-146.322
459	5	1.61644	371.577	-138.24
460	5	1.63524	374.251	-130.064
461	5	1 65463	376.988	-121 79
462	5	1.67466	379.793	-113.417
463	5.1	1.6954	382.667	-104.771
464	5.2	1 71688	385.615	-95.8428
465	5.2	1.7392	388.64	-86.799
466	5 2	1.76241	391.746	-77.6344
467	6.7	1.78661	394.938	-65.6641
468	7	1.81191	398.221	-52.9807
469	8.7	1.85218	401.651	-36.8668
470	9	1 88079	405.189	-19.9397
471	9.6	1.91103	408 841	-1.59379
472	12	1.94314	412.617	21 7238
473	12	1.97737	416.527	45.4523
474	12	2.01409	420.583	69.6214
475	15	2.05375	424.801	100.428
476	20	2.09693	429.198	142 366
477	52	2.14441	433.797	253.875
478	66	2.19728	438.625	398.896
479	77	2.25713	443.719	572 695
480	87	2.32634	449.131	775.087
481	95.4	2.40892	454.934	1004 9
482	150	2 51213	461.245	1381.72
483	160	2.65209	468.279	1806.05
484	190	2.87815	476.562	2352 9

Data Set Standard Deviation = 14.7099
Numerator = 5 53614e+006
Denominator = 4 98064e+007
W Statistic = 0.111153 = 5.53614e+006 / 4.98064e+007

5% Critical value of 0.976 exceeds 0.111153
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.111153
Evidence of non-normality at 99% level of significance

Shapiro-Francia Test of Normality

Parameter: Toluene
All Locations
Normality Test of Parameter Concentrations
Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit
Total Number of Measurements = 484

	x(i)	m(i)	sum(m^2)	sum(mx)
1	0 36	-2.87815	8.28375	-1.03613
2	0.43	-2.65209	15.3173	-2 17653
3	1	-2.51213	21.6281	-4.68866
4	5	-2.40892	27.431	-16.7333
5	5	-2.32634	32 8429	-28.365
6	5	-2.25713	37.9375	-39.6506
7	5	-2.19728	42.7656	-50 6371
8	5	-2 14441	47.3641	-61.3591
9	5	-2 09693	51.7612	-71.8438
10	5	-2.05375	55 9791	-82.1125
11	5	-2 01409	60.0357	-92.183
12	5	-1.97737	63.9456	-102.07
13	5	-1.94314	67.7214	-111.785
14	5	-1.91103	71 3735	-121 341
15	5	-1.88079	74.9108	-130 745
16	5	-1 85218	78.3414	-140.005
17	5	-1.81191	81.6244	-149.065
18	5	-1.78661	84.8164	-157.998
19	5	-1.76241	87 9225	-166.81
20	5	-1.7392	90.9473	-175.506
21	5	-1 71688	93.895	-184.091
22	5	-1.6954	96.7694	-192.568
23	5	-1.67466	99.5739	-200.941
24	5	-1.65463	102.312	-209.214
25	5	-1.63524	104.986	-217.39
26	5	-1.61644	107.599	-225.472
27	5	-1.59819	110 153	-233.463
28	5	-1.58047	112.651	-241 366
29	5	-1.56322	115 094	-249.182
30	5	-1.54643	117.486	-256.914
31	5	-1.53007	119 827	-264.564
32	5	-1.5141	122.119	-272.135
33	5	-1.49085	124.342	-279.589
34	5	-1.47579	126.52	-286.968
35	5	-1.46106	128.655	-294.273
36	5	-1.44663	130.747	-301.506
37	5	-1 4325	132.799	-308.669
38	5	-1.41865	134.812	-315.762
39	5	-1.40507	136.786	-322.788
40	5	-1.39175	138.723	-329.746
41	5	-1 37866	140.624	-336.64
42	5	-1.36581	142.489	-343.469
43	5	-1.35317	144.32	-350 234
44	5	-1.34075	146.118	-356.938
45	5	-1.32854	147.883	-363.581
46	5	-1 31652	149.616	-370.164
47	5	-1.30469	151.318	-376.687
48	5	-1.29303	152 99	-383 152
49	5	-1.27588	154 618	-389.532
50	5	-1.26464	156.218	-395.855
51	5	-1 25357	157.789	-402.123
52	5	-1.24264	159.333	-408.336
53	5	-1.23187	160.851	-414.495
54	5	-1.22123	162.342	-420.601
55	5	-1.21073	163.808	-426.655
56	5	-1.20036	165.249	-432.657
57	5	-1.19012	166.665	-438.607
58	5	-1.18	168.058	-444.507
59	5	-1.17	169.426	-450.357
60	5	-1.16012	170.772	-456.158
61	5	-1.15035	172.096	-461.91
62	5	-1 14069	173.397	-467.613
63	5	-1.13113	174 676	-473.269
64	5	-1.12168	175.934	-478.877
65	5	-1.10768	177.161	-484.416
66	5	-1.09847	178.368	-489.908
67	5	-1.08935	179.555	-495.355
68	5	-1.08032	180.722	-500.756
69	5	-1.07138	181.87	-506.113
70	5	-1 06252	182.999	-511.426
71	5	-1.05375	184.109	-516.694
72	5	-1.04505	185.201	-521.92
73	5	-1.03643	186.275	-527.102
74	5	-1.02789	187.332	-532.241
75	5	-1.01943	188.371	-537.338
76	5	-1 01104	189.393	-542.394

77	5	-1.00271	190.399	-547.407
78	5	-0.994457	191.388	-552.379
79	5	-0.986272	192.36	-557.311
80	5	-0.97815	193.317	-562.202
81	5	-0.966088	194.251	-567.032
82	5	-0.958125	195.169	-571.823
83	5	-0.950222	196.071	-576.574
84	5	-0.942375	196.96	-581.286
85	5	-0.93459	197.833	-585.959
86	5	-0.926859	198.692	-590.593
87	5	-0.919183	199.537	-595.189
88	5	-0.911562	200.368	-599.747
89	5	-0.903992	201.185	-604.267
90	5	-0.896473	201.989	-608.749
91	5	-0.889006	202.779	-613.194
92	5	-0.881587	203.556	-617.602
93	5	-0.874218	204.321	-621.973
94	5	-0.866894	205.072	-626.307
95	5	-0.859618	205.811	-630.606
96	5	-0.852385	206.538	-634.867
97	5	-0.841621	207.246	-639.076
98	5	-0.834498	207.942	-643.248
99	5	-0.827417	208.627	-647.385
100	5	-0.820379	209.3	-651.487
101	5	-0.813379	209.961	-655.554
102	5	-0.806422	210.612	-659.586
103	5	-0.7995	211.251	-663.584
104	5	-0.792618	211.879	-667.547
105	5	-0.785774	212.497	-671.476
106	5	-0.778966	213.103	-675.37
107	5	-0.772193	213.7	-679.231
108	5	-0.765456	214.286	-683.059
109	5	-0.758753	214.861	-686.852
110	5	-0.752084	215.427	-690.613
111	5	-0.745449	215.983	-694.34
112	5	-0.738846	216.529	-698.034
113	5	-0.732275	217.065	-701.696
114	5	-0.722479	217.587	-705.308
115	5	-0.715986	218.099	-708.888
116	5	-0.709522	218.603	-712.436
117	5	-0.703089	219.097	-715.951
118	5	-0.696684	219.583	-719.434
119	5	-0.690309	220.059	-722.886
120	5	-0.68396	220.527	-726.306
121	5	-0.677639	220.986	-729.694
122	5	-0.671346	221.437	-733.051
123	5	-0.665079	221.879	-736.376
124	5	-0.658838	222.313	-739.67
125	5	-0.652622	222.739	-742.933
126	5	-0.646431	223.157	-746.166
127	5	-0.640266	223.567	-749.367
128	5	-0.634124	223.969	-752.538
129	5	-0.628006	224.363	-755.678
130	5	-0.618872	224.746	-758.772
131	5	-0.612813	225.122	-761.836
132	5	-0.606775	225.49	-764.87
133	5	-0.60076	225.851	-767.874
134	5	-0.594766	226.205	-770.847
135	5	-0.588793	226.551	-773.791
136	5	-0.582841	226.891	-776.706
137	5	-0.576911	227.224	-779.59
138	5	-0.570999	227.55	-782.445
139	5	-0.565108	227.869	-785.271
140	5	-0.559237	228.182	-788.067
141	5	-0.553384	228.488	-790.834
142	5	-0.547551	228.788	-793.572
143	5	-0.541736	229.082	-796.28
144	5	-0.53594	229.369	-798.96
145	5	-0.530162	229.65	-801.611
146	5	-0.521527	229.922	-804.218
147	5	-0.515791	230.188	-806.797
148	5	-0.510074	230.448	-809.348
149	5	-0.504372	230.703	-811.87
150	5	-0.498687	230.951	-814.363
151	5	-0.493018	231.194	-816.828
152	5	-0.487364	231.432	-819.265
153	5	-0.481728	231.664	-821.674
154	5	-0.476105	231.891	-824.054
155	5	-0.470498	232.112	-826.407
156	5	-0.464904	232.328	-828.731
157	5	-0.459327	232.539	-831.028
158	5	-0.453763	232.745	-833.297
159	5	-0.448213	232.946	-835.538
160	5	-0.442676	233.142	-837.751
161	5	-0.437153	233.333	-839.937
162	5	-0.428895	233.517	-842.081

163	5	-0.423405	233.696	-844.198
164	5	-0.417928	233.871	-846.288
165	5	-0.412463	234.041	-848.35
166	5	-0.40701	234.207	-850.385
167	5	-0.401571	234.368	-852.393
168	5	-0.396142	234.525	-854.374
169	5	-0.390726	234.677	-856.327
170	5	-0.385321	234.826	-858.254
171	5	-0.379927	234.97	-860.154
172	5	-0.374544	235.111	-862.026
173	5	-0.369171	235.247	-863.872
174	5	-0.363809	235.379	-865.691
175	5	-0.358459	235.508	-867.484
176	5	-0.353118	235.632	-869.249
177	5	-0.347787	235.753	-870.988
178	5	-0.33981	235.869	-872.687
179	5	-0.334503	235.981	-874.36
180	5	-0.329206	236.089	-876.006
181	5	-0.323919	236.194	-877.625
182	5	-0.318639	236.296	-879.219
183	5	-0.31337	236.394	-880.785
184	5	-0.308108	236.489	-882.326
185	5	-0.302855	236.58	-883.84
186	5	-0.297612	236.669	-885.328
187	5	-0.292375	236.754	-886.79
188	5	-0.287147	236.837	-888.226
189	5	-0.281926	236.916	-889.636
190	5	-0.276714	236.993	-891.019
191	5	-0.271509	237.067	-892.377
192	5	-0.266311	237.138	-893.708
193	5	-0.26112	237.206	-895.014
194	5	-0.253347	237.27	-896.281
195	5	-0.248174	237.332	-897.521
196	5	-0.243007	237.391	-898.736
197	5	-0.237847	237.447	-899.926
198	5	-0.232693	237.501	-901.089
199	5	-0.227545	237.553	-902.227
200	5	-0.222403	237.603	-903.339
201	5	-0.217267	237.65	-904.425
202	5	-0.212137	237.695	-905.486
203	5	-0.207012	237.738	-906.521
204	5	-0.201894	237.778	-907.53
205	5	-0.196779	237.817	-908.514
206	5	-0.191671	237.854	-909.473
207	5	-0.186567	237.889	-910.405
208	5	-0.181468	237.922	-911.313
209	5	-0.176374	237.953	-912.195
210	5	-0.171285	237.982	-913.051
211	5	-0.163659	238.009	-913.869
212	5	-0.158579	238.034	-914.662
213	5	-0.153505	238.058	-915.43
214	5	-0.148434	238.08	-916.172
215	5	-0.143367	238.1	-916.889
216	5	-0.138305	238.119	-917.58
217	5	-0.133244	238.137	-918.247
218	5	-0.128189	238.153	-918.888
219	5	-0.123135	238.169	-919.503
220	5	-0.118085	238.183	-920.094
221	5	-0.113039	238.195	-920.659
222	5	-0.107995	238.207	-921.199
223	5	-0.102953	238.218	-921.714
224	5	-0.0979139	238.227	-922.203
225	5	-0.0928787	238.236	-922.668
226	5	-0.0878447	238.243	-923.107
227	5	-0.0802981	238.25	-923.508
228	5	-0.0752698	238.256	-923.885
229	5	-0.0702426	238.261	-924.236
230	5	-0.0652187	238.265	-924.562
231	5	-0.0601949	238.268	-924.863
232	5	-0.0551734	238.271	-925.139
233	5	-0.0501541	238.274	-925.39
234	5	-0.0451348	238.276	-925.615
235	5	-0.0401167	238.278	-925.816
236	5	-0.0350997	238.279	-925.991
237	5	-0.0300838	238.28	-926.142
238	5	-0.0250691	238.28	-926.267
239	5	-0.0200544	238.281	-926.367
240	5	-0.0150408	238.281	-926.443
241	5	-0.0100272	238.281	-926.493
242	5	-0.00501359	238.281	-926.518
243	5	0.00501359	238.281	-926.493
244	5	0.0100272	238.281	-926.443
245	5	0.0150408	238.281	-926.367
246	5	0.0200544	238.282	-926.267
247	5	0.0250691	238.283	-926.142
248	5	0.0300838	238.283	-925.991

249	5	0.0350997	238.285	-925.816
250	5	0.0401167	238.286	-925.615
251	5	0.0451348	238.288	-925.39
252	5	0.0501541	238.291	-925.139
253	5	0.0551734	238.294	-924.863
254	5	0.0601949	238.297	-924.562
255	5	0.0652187	238.302	-924.236
256	5	0.0702426	238.307	-923.885
257	5	0.0752698	238.312	-923.508
258	5	0.0802981	238.319	-923.107
259	5	0.0878447	238.326	-922.668
260	5	0.0928787	238.335	-922.203
261	5	0.0979139	238.345	-921.714
262	5	0.102953	238.355	-921.199
263	5	0.107995	238.367	-920.659
264	5	0.113039	238.38	-920.094
265	5	0.118085	238.394	-919.503
266	5	0.123135	238.409	-918.888
267	5	0.128189	238.425	-918.247
268	5	0.133244	238.443	-917.58
269	5	0.138305	238.462	-916.889
270	5	0.143367	238.483	-916.172
271	5	0.148434	238.505	-915.43
272	5	0.153505	238.528	-914.662
273	5	0.158579	238.553	-913.869
274	5	0.163659	238.58	-913.051
275	5	0.171285	238.61	-912.195
276	5	0.176374	238.641	-911.313
277	5	0.181468	238.674	-910.405
278	5	0.186567	238.708	-909.473
279	5	0.191671	238.745	-908.514
280	5	0.196779	238.784	-907.53
281	5	0.201894	238.825	-906.521
282	5	0.207012	238.868	-905.486
283	5	0.212137	238.913	-904.425
284	5	0.217267	238.96	-903.339
285	5	0.222403	239.009	-902.227
286	5	0.227545	239.061	-901.089
287	5	0.232693	239.115	-899.926
288	5	0.237847	239.172	-898.736
289	5	0.243007	239.231	-897.521
290	5	0.248174	239.292	-896.281
291	5	0.253347	239.357	-895.014
292	5	0.26112	239.425	-893.708
293	5	0.266311	239.496	-892.377
294	5	0.271509	239.569	-891.019
295	5	0.276714	239.646	-889.636
296	5	0.281926	239.725	-888.226
297	5	0.287147	239.808	-886.79
298	5	0.292375	239.893	-885.328
299	5	0.297612	239.982	-883.84
300	5	0.302855	240.074	-882.326
301	5	0.308108	240.169	-880.785
302	5	0.31337	240.267	-879.219
303	5	0.318639	240.368	-877.625
304	5	0.323919	240.473	-876.006
305	5	0.329206	240.582	-874.36
306	5	0.334503	240.693	-872.687
307	5	0.33981	240.809	-870.988
308	5	0.347787	240.93	-869.249
309	5	0.353118	241.055	-867.484
310	5	0.358459	241.183	-865.691
311	5	0.363809	241.315	-863.872
312	5	0.369171	241.452	-862.026
313	5	0.374544	241.592	-860.154
314	5	0.379927	241.736	-858.254
315	5	0.385321	241.885	-856.327
316	5	0.390726	242.037	-854.374
317	5	0.396142	242.194	-852.393
318	5	0.401571	242.356	-850.385
319	5	0.40701	242.521	-848.35
320	5	0.412463	242.691	-846.288
321	5	0.417928	242.866	-844.198
322	5	0.423405	243.045	-842.081
323	5	0.428895	243.229	-839.937
324	5	0.437153	243.42	-837.751
325	5	0.442676	243.616	-835.538
326	5	0.448213	243.817	-833.297
327	5	0.453763	244.023	-831.028
328	5	0.459327	244.234	-828.731
329	5	0.464904	244.45	-826.407
330	5	0.470498	244.672	-824.054
331	5	0.476105	244.898	-821.674
332	5	0.481728	245.13	-819.265
333	5	0.487364	245.368	-816.828
334	5	0.493018	245.611	-814.363

335	5	0.498687	245.86	-811.87
336	5	0.504372	246.114	-809.348
337	5	0.510074	246.374	-806.797
338	5	0.515791	246.64	-804.218
339	5	0.521527	246.912	-801.611
340	5	0.530162	247.193	-798.96
341	5	0.53594	247.481	-796.28
342	5	0.541736	247.774	-793.572
343	5	0.547551	248.074	-790.834
344	5	0.553384	248.38	-788.067
345	5	0.559237	248.693	-785.271
346	5	0.565108	249.012	-782.445
347	5	0.570999	249.338	-779.59
348	5	0.576911	249.671	-776.706
349	5	0.582841	250.011	-773.791
350	5	0.588793	250.357	-770.847
351	5	0.594766	250.711	-767.874
352	5	0.60076	251.072	-764.87
353	5	0.606775	251.44	-761.836
354	5	0.612813	251.816	-758.772
355	5	0.618872	252.199	-755.678
356	5	0.628006	252.593	-752.538
357	5	0.634124	252.995	-749.367
358	5	0.640266	253.405	-746.166
359	5	0.646431	253.823	-742.933
360	5	0.652622	254.249	-739.67
361	5	0.658838	254.683	-736.376
362	5	0.665079	255.125	-733.051
363	5	0.671346	255.576	-729.694
364	5	0.677639	256.035	-726.306
365	5	0.68396	256.503	-722.886
366	5	0.690309	256.98	-719.434
367	5	0.696684	257.465	-715.951
368	5	0.703089	257.959	-712.436
369	5	0.709522	258.463	-708.888
370	5	0.715986	258.975	-705.308
371	5	0.722479	259.497	-701.696
372	5	0.732275	260.034	-698.034
373	5	0.738846	260.58	-694.34
374	5	0.745449	261.135	-690.613
375	5	0.752084	261.701	-686.852
376	5	0.758753	262.277	-683.059
377	5	0.765456	262.863	-679.231
378	5	0.772193	263.459	-675.37
379	5	0.778966	264.066	-671.476
380	5	0.785774	264.683	-667.547
381	5	0.792618	265.311	-663.584
382	5	0.7995	265.95	-659.586
383	5	0.806422	266.601	-655.554
384	5	0.813379	267.262	-651.487
385	5	0.820379	267.935	-647.385
386	5	0.827417	268.62	-643.248
387	5	0.834498	269.316	-639.076
388	5	0.841621	270.025	-634.867
389	5	0.852385	270.751	-630.606
390	5	0.859618	271.49	-626.307
391	5	0.866894	272.242	-621.973
392	5	0.874218	273.006	-617.602
393	5	0.881587	273.783	-613.194
394	5	0.889006	274.574	-608.749
395	5	0.896473	275.377	-604.267
396	5	0.903992	276.194	-599.747
397	5	0.911562	277.025	-595.189
398	5	0.919183	277.87	-590.593
399	5	0.926859	278.729	-585.959
400	5	0.93459	279.603	-581.286
401	5	0.942375	280.491	-576.574
402	5	0.950222	281.394	-571.823
403	5	0.958125	282.312	-567.032
404	5	0.966088	283.245	-562.202
405	5	0.97815	284.202	-557.311
406	5	0.986272	285.175	-552.379
407	5	0.994457	286.164	-547.407
408	5	1.00271	287.169	-542.394
409	5	1.01104	288.191	-537.338
410	5	1.01943	289.23	-532.241
411	5	1.02789	290.287	-527.102
412	5	1.03643	291.361	-521.92
413	5	1.04505	292.453	-516.694
414	5	1.05375	293.564	-511.426
415	5	1.06252	294.693	-506.113
416	5	1.07138	295.84	-500.756
417	5	1.08032	297.008	-495.355
418	5	1.08935	298.194	-489.908
419	5	1.09847	299.401	-484.416
420	5	1.10768	300.628	-478.877

421	5	1.12168	301.886	-473.269
422	5	1.13113	303.165	-467.613
423	5	1.14069	304.467	-461.91
424	5	1.15035	305.79	-456.158
425	5	1.16012	307.136	-450.357
426	5	1.17	308.505	-444 507
427	5	1.18	309.897	-438.607
428	5	1.19012	311.313	-432.657
429	5	1.20036	312.754	-426.655
430	5	1 21073	314 22	-420.601
431	5	1.22123	315.712	-414.495
432	5	1.23187	317.229	-408.336
433	5	1.24264	318.773	-402.123
434	5	1.25357	320.345	-395.855
435	5	1.26464	321.944	-389.532
436	5	1.27588	323.572	-383.152
437	5	1.29303	325.244	-376.687
438	5	1.30469	326.946	-370.164
439	5	1.31652	328.679	-363.581
440	5	1.32854	330.444	-356.938
441	5	1.34075	332.242	-350.234
442	5	1.35317	334.073	-343.469
443	5	1.36581	335.938	-336.64
444	5	1.37866	337.839	-329.746
445	5	1 39175	339 776	-322.788
446	5	1.40507	341.75	-315.762
447	5	1.41865	343.763	-308.669
448	5	1.4325	345.815	-301.506
449	5	1.44663	347.908	-294.273
450	5	1.46106	350 042	-286.968
451	5	1 47579	352.22	-279 589
452	5	1.49085	354.443	-272.135
453	5	1.5141	356.735	-264 564
454	5	1.53007	359.077	-256.914
455	5	1.54643	361.468	-249.182
456	5	1.56322	363.912	-241.366
457	5	1 58047	366.41	-233.463
458	5	1.59819	368.964	-225.472
459	5	1.61644	371.577	-217 39
460	5	1 63524	374.251	-209.214
461	5	1.65463	376.988	-200.941
462	5	1.67466	379.793	-192.568
463	5	1.6954	382.667	-184.091
464	5	1.71688	385.615	-175.506
465	5	1.7392	388.64	-166.81
466	5	1 76241	391.746	-157.998
467	5	1.78661	394.938	-149.065
468	5	1.81191	398.221	-140.005
469	5	1.85218	401.651	-130.745
470	5	1.88079	405.189	-121.341
471	5	1.91103	408.841	-111 785
472	5	1.94314	412.617	-102 07
473	5	1.97737	416.527	-92.183
474	5	2.01409	420.583	-82.1125
475	5	2.05375	424.801	-71.8438
476	5	2.09693	429.198	-61.3591
477	5	2.14441	433.797	-50.6371
478	5	2.19728	438.625	-39.6506
479	5	2.25713	443.719	-28.365
480	5	2.32634	449.131	-16.7333
481	5	2.40892	454.934	-4.68866
482	5	2.51213	461.245	7.872
483	8.7	2 65209	468.279	30.9452
484	12	2.87815	476.562	65.483

Data Set Standard Deviation = 0.500707
Numerator = 4288.02
Denominator = 57707 6
W Statistic = 0.0743059 = 4288.02 / 57707.6

5% Critical value of 0.976 exceeds 0.0743059
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.0743059
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 = 484

	x(i)	m(i)	sum(m^2)	sum(mx)
1	0 48	-2.87815	8.28375	-1 38151
2	0.53	-2 65209	15.3173	-2 78712
3	0.9	-2.51213	21.6281	-5.04804
4	0.91	-2.40892	27.431	-7.24016
5	1.9	-2 32634	32.8429	-11.6602
6	3	-2.25713	37.9375	-18.4316
7	3 1	-2 19728	42.7656	-25.2432
8	3.6	-2.14441	47.3641	-32.963
9	4.1	-2.09693	51 7612	-41.5605
10	4.7	-2 05375	55 9791	-51.2131
11	5	-2.01409	60.0357	-61.2835
12	5	-1.97737	63.9456	-71.1704
13	5	-1.94314	67.7214	-80.8861
14	5	-1.91103	71.3735	-90.4412
15	5	-1.88079	74.9108	-99.8452
16	5	-1.85218	78.3414	-109.106
17	5	-1.81191	81 6244	-118.166
18	5	-1 78661	84 8164	-127.099
19	5	-1.76241	87.9225	-135.911
20	5	-1.7392	90.9473	-144.607
21	5	-1.71688	93.895	-153 191
22	5	-1 6954	96.7694	-161 668
23	5	-1.67466	99 5739	-170.041
24	5	-1 65463	102.312	-178.315
25	5	-1.63524	104.986	-186.491
26	5	-1.61644	107.599	-194.573
27	5	-1.59819	110.153	-202.564
28	5	-1.58047	112.651	-210.466
29	5	-1.56322	115.094	-218.282
30	5	-1.54643	117.486	-226.014
31	5	-1.53007	119 827	-233.665
32	5	-1.5141	122.119	-241 235
33	5	-1 49085	124.342	-248.69
34	5	-1 47579	126.52	-256.069
35	5	-1.46106	128.655	-263.374
36	5	-1 44663	130 747	-270.607
37	5	-1.4325	132.799	-277.77
38	5	-1.41865	134.812	-284.863
39	5	-1 40507	136.786	-291.888
40	5	-1.39175	138.723	-298.847
41	5	-1 37866	140 624	-305.74
42	5	-1.36581	142.489	-312.569
43	5	-1.35317	144.32	-319.335
44	5	-1.34075	146.118	-326.039
45	5	-1.32854	147.883	-332.682
46	5	-1.31652	149 616	-339.264
47	5	-1.30469	151 318	-345.788
48	5	-1.29303	152 99	-352.253
49	5	-1.27588	154.618	-358.632
50	5	-1.26464	156.218	-364.955
51	5	-1 25357	157 789	-371.223
52	5	-1.24264	159.333	-377.436
53	5	-1.23187	160.851	-383.596
54	5	-1.22123	162 342	-389.702
55	5	-1.21073	163.808	-395.755
56	5	-1.20036	165.249	-401 757
57	5	-1.19012	166.665	-407 708
58	5	-1.18	168.058	-413.608
59	5	-1.17	169.426	-419.458
60	5	-1.16012	170.772	-425.258
61	5	-1.15035	172.096	-431.01
62	5	-1.14069	173 397	-436.714
63	5	-1 13113	174.676	-442.369
64	5	-1.12168	175.934	-447.978
65	5	-1.10768	177 161	-453.516
66	5	-1.09847	178.368	-459.008
67	5	-1.08935	179.555	-464 455
68	5	-1.08032	180 722	-469.857
69	5	-1.07138	181.87	-475.214
70	5	-1.06252	182.999	-480.526
71	5	-1.05375	184.109	-485.795
72	5	-1.04505	185.201	-491.02
73	5	-1.03643	186.275	-496.202
74	5	-1.02789	187.332	-501.342
75	5	-1.01943	188.371	-506 439
76	5	-1.01104	189.393	-511.494

77	5	-1.00271	190.399	-516.508
78	5	-0.994457	191.388	-521.48
79	5	-0.986272	192.36	-526.411
80	5	-0.97815	193.317	-531.302
81	5	-0.966088	194.251	-536.133
82	5	-0.958125	195.169	-540.923
83	5	-0.950222	196.071	-545.674
84	5	-0.942375	196.96	-550.386
85	5	-0.93459	197.833	-555.059
86	5	-0.926859	198.692	-559.693
87	5	-0.919183	199.537	-564.289
88	5	-0.911562	200.368	-568.847
89	5	-0.903992	201.185	-573.367
90	5	-0.896473	201.989	-577.85
91	5	-0.889006	202.779	-582.295
92	5	-0.881587	203.556	-586.702
93	5	-0.874218	204.321	-591.074
94	5	-0.866894	205.072	-595.408
95	5	-0.859618	205.811	-599.706
96	5	-0.852385	206.538	-603.968
97	5	-0.841621	207.246	-608.176
98	5	-0.834498	207.942	-612.349
99	5	-0.827417	208.627	-616.486
100	5	-0.820379	209.3	-620.588
101	5	-0.813379	209.961	-624.655
102	5	-0.806422	210.612	-628.687
103	5	-0.7995	211.251	-632.684
104	5	-0.792618	211.879	-636.647
105	5	-0.785774	212.497	-640.576
106	5	-0.778966	213.103	-644.471
107	5	-0.772193	213.7	-648.332
108	5	-0.765456	214.286	-652.159
109	5	-0.758753	214.861	-655.953
110	5	-0.752084	215.427	-659.713
111	5	-0.745449	215.983	-663.441
112	5	-0.738846	216.529	-667.135
113	5	-0.732275	217.065	-670.796
114	5	-0.722479	217.587	-674.409
115	5	-0.715986	218.099	-677.989
116	5	-0.709522	218.603	-681.536
117	5	-0.703089	219.097	-685.052
118	5	-0.696684	219.583	-688.535
119	5	-0.690309	220.059	-691.987
120	5	-0.68396	220.527	-695.406
121	5	-0.677639	220.986	-698.795
122	5	-0.671346	221.437	-702.151
123	5	-0.665079	221.879	-705.477
124	5	-0.658838	222.313	-708.771
125	5	-0.652622	222.739	-712.034
126	5	-0.646431	223.157	-715.266
127	5	-0.640266	223.567	-718.467
128	5	-0.634124	223.969	-721.638
129	5	-0.628006	224.363	-724.778
130	5	-0.618872	224.746	-727.872
131	5	-0.612813	225.122	-730.937
132	5	-0.606775	225.49	-733.97
133	5	-0.60076	225.851	-736.974
134	5	-0.594766	226.205	-739.948
135	5	-0.588793	226.551	-742.892
136	5	-0.582841	226.891	-745.806
137	5	-0.576911	227.224	-748.691
138	5	-0.570999	227.55	-751.546
139	5	-0.565108	227.869	-754.371
140	5	-0.559237	228.182	-757.167
141	5	-0.553384	228.488	-759.934
142	5	-0.547551	228.788	-762.672
143	5	-0.541736	229.082	-765.381
144	5	-0.53594	229.369	-768.061
145	5	-0.530162	229.65	-770.711
146	5	-0.521527	229.922	-773.319
147	5	-0.515791	230.188	-775.898
148	5	-0.510074	230.448	-778.448
149	5	-0.504372	230.703	-780.97
150	5	-0.498687	230.951	-783.464
151	5	-0.493018	231.194	-785.929
152	5	-0.487364	231.432	-788.366
153	5	-0.481728	231.664	-790.774
154	5	-0.476105	231.891	-793.155
155	5	-0.470498	232.112	-795.507
156	5	-0.464904	232.328	-797.832
157	5	-0.459327	232.539	-800.128
158	5	-0.453763	232.745	-802.397
159	5	-0.448213	232.946	-804.638
160	5	-0.442676	233.142	-806.852
161	5	-0.437153	233.333	-809.037
162	5	-0.428895	233.517	-811.182

163	5	-0.423405	233.696	-813.299
164	5	-0.417928	233.871	-815.388
165	5	-0.412463	234.041	-817.451
166	5	-0.40701	234.207	-819.486
167	5	-0.401571	234.368	-821.494
168	5	-0.396142	234.525	-823.474
169	5	-0.390726	234.677	-825.428
170	5	-0.385321	234.826	-827.355
171	5	-0.379927	234.97	-829.254
172	5	-0.374544	235.111	-831.127
173	5	-0.369171	235.247	-832.973
174	5	-0.363809	235.379	-834.792
175	5	-0.358459	235.508	-836.584
176	5	-0.353118	235.632	-838.35
177	5	-0.347787	235.753	-840.089
178	5	-0.33981	235.869	-841.788
179	5	-0.334503	235.981	-843.46
180	5	-0.329206	236.089	-845.106
181	5	-0.323919	236.194	-846.726
182	5	-0.318639	236.296	-848.319
183	5	-0.31337	236.394	-849.886
184	5	-0.308108	236.489	-851.427
185	5	-0.302855	236.58	-852.941
186	5	-0.297612	236.669	-854.429
187	5	-0.292375	236.754	-855.891
188	5	-0.287147	236.837	-857.326
189	5	-0.281926	236.916	-858.736
190	5	-0.276714	236.993	-860.12
191	5	-0.271509	237.067	-861.477
192	5	-0.266311	237.138	-862.809
193	5	-0.26112	237.206	-864.114
194	5	-0.253347	237.27	-865.381
195	5	-0.248174	237.332	-866.622
196	5	-0.243007	237.391	-867.837
197	5	-0.237847	237.447	-869.026
198	5	-0.232693	237.501	-870.19
199	5	-0.227545	237.553	-871.327
200	5	-0.222403	237.603	-872.439
201	5	-0.217267	237.65	-873.526
202	5	-0.212137	237.695	-874.586
203	5	-0.207012	237.738	-875.622
204	5	-0.201894	237.778	-876.631
205	5	-0.196779	237.817	-877.615
206	5	-0.191671	237.854	-878.573
207	5	-0.186567	237.889	-879.506
208	5	-0.181468	237.922	-880.413
209	5	-0.176374	237.953	-881.295
210	5	-0.171285	237.982	-882.152
211	5	-0.163659	238.009	-882.97
212	5	-0.158579	238.034	-883.763
213	5	-0.153505	238.058	-884.53
214	5	-0.148434	238.08	-885.273
215	5	-0.143367	238.1	-885.989
216	5	-0.138305	238.119	-886.681
217	5	-0.133244	238.137	-887.347
218	5	-0.128189	238.153	-887.988
219	5	-0.123135	238.169	-888.604
220	5	-0.118085	238.183	-889.194
221	5	-0.113039	238.195	-889.759
222	5	-0.107995	238.207	-890.299
223	5	-0.102953	238.218	-890.814
224	5	-0.0979139	238.227	-891.304
225	5	-0.0928787	238.236	-891.768
226	5	-0.0878447	238.243	-892.207
227	5	-0.0802981	238.25	-892.609
228	5	-0.0752698	238.256	-892.985
229	5	-0.0702426	238.261	-893.336
230	5	-0.0652187	238.265	-893.662
231	5	-0.0601949	238.268	-893.963
232	5	-0.0551734	238.271	-894.239
233	5	-0.0501541	238.274	-894.49
234	5	-0.0451348	238.276	-894.716
235	5	-0.0401167	238.278	-894.916
236	5	-0.0350997	238.279	-895.092
237	5	-0.0300838	238.28	-895.242
238	5	-0.0250691	238.28	-895.368
239	5	-0.0200544	238.281	-895.468
240	5	-0.0150408	238.281	-895.543
241	5	-0.0100272	238.281	-895.593
242	5	-0.00501359	238.281	-895.618
243	5	0.00501359	238.281	-895.593
244	5	0.0100272	238.281	-895.543
245	5	0.0150408	238.281	-895.468
246	5	0.0200544	238.282	-895.368
247	5	0.0250691	238.283	-895.242
248	5	0.0300838	238.283	-895.092

249	5	0.0350997	238.285	-894.916
250	5	0.0401167	238.286	-894.716
251	5	0.0451348	238.288	-894.49
252	5	0.0501541	238.291	-894.239
253	5	0.0551734	238.294	-893.963
254	5	0.0601949	238.297	-893.662
255	5	0.0652187	238.302	-893.336
256	5	0.0702426	238.307	-892.985
257	5	0.0752698	238.312	-892.609
258	5	0.0802981	238.319	-892.207
259	5	0.0878447	238.326	-891.768
260	5	0.0928787	238.335	-891.304
261	5	0.0979139	238.345	-890.814
262	5	0.102953	238.355	-890.299
263	5	0.107995	238.367	-889.759
264	5	0.113039	238.38	-889.194
265	5	0.118085	238.394	-888.604
266	5	0.123135	238.409	-887.988
267	5	0.128189	238.425	-887.347
268	5	0.133244	238.443	-886.681
269	5	0.138305	238.462	-885.989
270	5	0.143367	238.483	-885.273
271	5	0.148434	238.505	-884.53
272	5	0.153505	238.528	-883.763
273	5	0.158579	238.553	-882.97
274	5	0.163659	238.58	-882.152
275	5	0.171285	238.61	-881.295
276	5	0.176374	238.641	-880.413
277	5	0.181468	238.674	-879.506
278	5	0.186567	238.708	-878.573
279	5	0.191671	238.745	-877.615
280	5	0.196779	238.784	-876.631
281	5	0.201894	238.825	-875.622
282	5	0.207012	238.868	-874.586
283	5	0.212137	238.913	-873.526
284	5	0.217267	238.96	-872.439
285	5	0.222403	239.009	-871.327
286	5	0.227545	239.061	-870.19
287	5	0.232693	239.115	-869.026
288	5	0.237847	239.172	-867.837
289	5	0.243007	239.231	-866.622
290	5	0.248174	239.292	-865.381
291	5	0.253347	239.357	-864.114
292	5	0.26112	239.425	-862.809
293	5	0.266311	239.496	-861.477
294	5	0.271509	239.569	-860.12
295	5	0.276714	239.646	-858.736
296	5	0.281926	239.725	-857.326
297	5	0.287147	239.808	-855.891
298	5	0.292375	239.893	-854.429
299	5	0.297612	239.982	-852.941
300	5	0.302855	240.074	-851.427
301	5	0.308108	240.169	-849.886
302	5	0.31337	240.267	-848.319
303	5	0.318639	240.368	-846.726
304	5	0.323919	240.473	-845.106
305	5	0.329206	240.582	-843.46
306	5	0.334503	240.693	-841.788
307	5	0.33981	240.809	-840.089
308	5	0.347787	240.93	-838.35
309	5	0.353118	241.055	-836.584
310	5	0.358459	241.183	-834.792
311	5	0.363809	241.315	-832.973
312	5	0.369171	241.452	-831.127
313	5	0.374544	241.592	-829.254
314	5	0.379927	241.736	-827.355
315	5	0.385321	241.885	-825.428
316	5	0.390726	242.037	-823.474
317	5	0.396142	242.194	-821.494
318	5	0.401571	242.356	-819.486
319	5	0.40701	242.521	-817.451
320	5	0.412463	242.691	-815.388
321	5	0.417928	242.866	-813.299
322	5	0.423405	243.045	-811.182
323	5	0.428895	243.229	-809.037
324	5	0.437153	243.42	-806.852
325	5	0.442676	243.616	-804.638
326	5	0.448213	243.817	-802.397
327	5	0.453763	244.023	-800.128
328	5	0.459327	244.234	-797.832
329	5	0.464904	244.45	-795.507
330	5	0.470498	244.672	-793.155
331	5	0.476105	244.898	-790.774
332	5	0.481728	245.13	-788.366
333	5	0.487364	245.368	-785.929
334	5	0.493018	245.611	-783.464

335	5	0.498687	245.86	-780.97
336	5	0.504372	246.114	-778.448
337	5	0.510074	246.374	-775.898
338	5	0.515791	246.64	-773.319
339	5	0.521527	246.912	-770.711
340	5	0.530162	247.193	-768.061
341	5	0.53594	247.481	-765.381
342	5	0.541736	247.774	-762.672
343	5	0.547551	248.074	-759.934
344	5	0.553384	248.38	-757.167
345	5	0.559237	248.693	-754.371
346	5	0.565108	249.012	-751.546
347	5	0.570999	249.338	-748.691
348	5	0.576911	249.671	-745.806
349	5	0.582841	250.011	-742.892
350	5	0.588793	250.357	-739.948
351	5	0.594766	250.711	-736.974
352	5	0.60076	251.072	-733.97
353	5	0.606775	251.44	-730.937
354	5	0.612813	251.816	-727.872
355	5	0.618872	252.199	-724.778
356	5	0.628006	252.593	-721.638
357	5	0.634124	252.995	-718.467
358	5	0.640266	253.405	-715.266
359	5	0.646431	253.823	-712.034
360	5	0.652622	254.249	-708.771
361	5	0.658838	254.683	-705.477
362	5	0.665079	255.125	-702.151
363	5	0.671346	255.576	-698.795
364	5	0.677639	256.035	-695.406
365	5	0.68396	256.503	-691.987
366	5	0.690309	256.98	-688.535
367	5	0.696684	257.465	-685.052
368	5	0.703089	257.959	-681.536
369	5	0.709522	258.463	-677.989
370	5	0.715986	258.975	-674.409
371	5	0.722479	259.497	-670.796
372	5	0.732275	260.034	-667.135
373	5	0.738846	260.58	-663.441
374	5	0.745449	261.135	-659.713
375	5	0.752084	261.701	-655.953
376	5	0.758753	262.277	-652.159
377	5	0.765456	262.863	-648.332
378	5	0.772193	263.459	-644.471
379	5	0.778966	264.066	-640.576
380	5	0.785774	264.683	-636.647
381	5	0.792618	265.311	-632.684
382	5	0.7995	265.95	-628.687
383	5	0.806422	266.601	-624.655
384	5	0.813379	267.262	-620.588
385	5	0.820379	267.935	-616.486
386	5	0.827417	268.62	-612.349
387	5	0.834498	269.316	-608.176
388	5	0.841621	270.025	-603.968
389	5	0.852385	270.751	-599.706
390	5	0.859618	271.49	-595.408
391	5	0.866894	272.242	-591.074
392	5	0.874218	273.006	-586.702
393	5	0.881587	273.783	-582.295
394	5	0.889006	274.574	-577.85
395	5	0.896473	275.377	-573.367
396	5	0.903992	276.194	-568.847
397	5	0.911562	277.025	-564.289
398	5	0.919183	277.87	-559.693
399	5	0.926859	278.729	-555.059
400	5	0.93459	279.603	-550.386
401	5	0.942375	280.491	-545.674
402	5	0.950222	281.394	-540.923
403	5	0.958125	282.312	-536.133
404	5	0.966088	283.245	-531.302
405	5	0.97815	284.202	-526.411
406	5	0.986272	285.175	-521.48
407	5	0.994457	286.164	-516.508
408	5	1.00271	287.169	-511.494
409	5	1.01104	288.191	-506.439
410	5	1.01943	289.23	-501.342
411	5	1.02789	290.287	-496.202
412	5	1.03643	291.361	-491.02
413	5	1.04505	292.453	-485.795
414	5	1.05375	293.564	-480.526
415	5	1.06252	294.693	-475.214
416	5	1.07138	295.84	-469.857
417	5	1.08032	297.008	-464.455
418	5	1.08935	298.194	-459.008
419	5	1.09847	299.401	-453.516
420	5	1.10768	300.628	-447.978

421	5	1.12168	301.886	-442.369
422	5	1.13113	303.165	-436.714
423	5	1 14069	304.467	-431.01
424	5	1.15035	305.79	-425.258
425	5	1.16012	307.136	-419.458
426	5	1 17	308.505	-413.608
427	5	1.18	309.897	-407.708
428	5	1.19012	311 313	-401.757
429	5	1 20036	312.754	-395.755
430	5	1.21073	314.22	-389 702
431	5	1.22123	315.712	-383.596
432	5	1.23187	317.229	-377.436
433	5	1.24264	318 773	-371 223
434	5	1.25357	320.345	-364.955
435	5	1 26464	321.944	-358.632
436	5	1.27588	323.572	-352 253
437	5	1.29303	325.244	-345.788
438	5	1.30469	326.946	-339 264
439	5	1.31652	328.679	-332.682
440	5	1 32854	330 444	-326.039
441	5	1 34075	332.242	-319.335
442	5	1 35317	334.073	-312.569
443	5	1.36581	335.938	-305.74
444	5	1 37866	337.839	-298.847
445	5	1.39175	339.776	-291.888
446	5	1.40507	341 75	-284.863
447	5	1.41865	343.763	-277 77
448	5	1.4325	345.815	-270.607
449	5	1.44663	347.908	-263.374
450	5	1 46106	350.042	-256.069
451	5	1.47579	352 22	-248.69
452	5	1.49085	354.443	-241.235
453	5	1.5141	356.735	-233.665
454	5	1.53007	359.077	-226.014
455	5	1.54643	361 468	-218.282
456	5	1.56322	363.912	-210.466
457	5	1.58047	366.41	-202 564
458	5	1.59819	368.964	-194.573
459	5	1.61644	371.577	-186.491
460	5	1.63524	374.251	-178.315
461	5	1.65463	376.988	-170.041
462	5	1.67466	379.793	-161.668
463	5	1.6954	382.667	-153.191
464	5	1 71688	385.615	-144 607
465	5	1.7392	388.64	-135.911
466	5	1.76241	391.746	-127.099
467	5	1 78661	394.938	-118.166
468	5	1.81191	398.221	-109.106
469	5	1.85218	401.651	-99.8452
470	5	1 88079	405.189	-90.4412
471	5	1.91103	408.841	-80.8861
472	5	1.94314	412.617	-71.1704
473	5.5	1.97737	416.527	-60.2949
474	5 5	2.01409	420.583	-49.2173
475	10	2.05375	424.801	-28 6799
476	20	2 09693	429.198	13.2588
477	56.2	2.14441	433.797	133.774
478	63	2 19728	438.625	272.203
479	73	2 25713	443.719	436.974
480	82	2.32634	449.131	627.734
481	90	2.40892	454.934	844.537
482	93	2 51213	461 245	1078.17
483	100	2 65209	468.279	1343.37
484	180	2.87815	476 562	1861.44

Data Set Standard Deviation = 12.0827
Numerator = 3.46496e+006
Denominator = 3.36044e+007
W Statistic = 0.10311 = 3.46496e+006 / 3 36044e+007

5% Critical value of 0.976 exceeds 0.10311
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.10311
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 = 484

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	2 5	-2.87815	8.28375	-7.19538
2	2.7	-2.65209	15.3173	-14.356
3	3.9	-2 51213	21 6281	-24.1533
4	4 1	-2.40892	27.431	-34.0299
5	4 2	-2.32634	32.8429	-43 8006
6	5	-2.25713	37.9375	-55.0862
7	5	-2.19728	42.7656	-66.0726
8	5	-2 14441	47.3641	-76 7947
9	5	-2.09693	51 7612	-87.2793
10	5	-2.05375	55.9791	-97.5481
11	5	-2.01409	60.0357	-107.619
12	5	-1.97737	63.9456	-117.505
13	5	-1.94314	67.7214	-127.221
14	5	-1.91103	71 3735	-136.776
15	5	-1.88079	74.9108	-146.18
16	5	-1.85218	78.3414	-155.441
17	5	-1.81191	81.6244	-164.501
18	5	-1.78661	84.8164	-173.434
19	5	-1.76241	87.9225	-182.246
20	5	-1.7392	90.9473	-190.942
21	5	-1.71688	93.895	-199.526
22	5	-1.6954	96.7694	-208.003
23	5	-1.67466	99 5739	-216.376
24	5	-1.65463	102.312	-224 65
25	5	-1.63524	104.986	-232.826
26	5	-1.61644	107.599	-240.908
27	5	-1.59819	110 153	-248.899
28	5	-1.58047	112.651	-256.801
29	5	-1 56322	115.094	-264.617
30	5	-1.54643	117.486	-272.349
31	5	-1.53007	119.827	-280
32	5	-1.5141	122.119	-287.57
33	5	-1 49085	124.342	-295.025
34	5	-1 47579	126.52	-302.404
35	5	-1.46106	128.655	-309 709
36	5	-1.44663	130.747	-316.942
37	5	-1.4325	132 799	-324 105
38	5	-1.41865	134.812	-331.198
39	5	-1.40507	136.786	-338.223
40	5	-1.39175	138.723	-345.182
41	5	-1.37866	140.624	-352.075
42	5	-1 36581	142.489	-358.904
43	5	-1.35317	144.32	-365.67
44	5	-1.34075	146.118	-372.374
45	5	-1.32854	147.883	-379 017
46	5	-1.31652	149.616	-385.599
47	5	-1.30469	151.318	-392 123
48	5	-1 29303	152.99	-398.588
49	5	-1.27588	154.618	-404.967
50	5	-1.26464	156.218	-411.29
51	5	-1.25357	157.789	-417.558
52	5	-1.24264	159.333	-423.771
53	5	-1.23187	160.851	-429.931
54	5	-1.22123	162 342	-436.037
55	5	-1 21073	163 808	-442.09
56	5	-1.20036	165.249	-448.092
57	5	-1.19012	166.665	-454.043
58	5	-1.18	168.058	-459.943
59	5	-1.17	169 426	-465.793
60	5	-1 16012	170.772	-471.593
61	5	-1.15035	172 096	-477.345
62	5	-1.14069	173 397	-483 049
63	5	-1 13113	174.676	-488.704
64	5	-1 12168	175.934	-494 313
65	5	-1.10768	177.161	-499.851
66	5	-1.09847	178.368	-505.343
67	5	-1.08935	179 555	-510.79
68	5	-1.08032	180.722	-516.192
69	5	-1.07138	181 87	-521.549
70	5	-1.06252	182.999	-526.861
71	5	-1.05375	184 109	-532 13
72	5	-1.04505	185.201	-537.355
73	5	-1.03643	186.275	-542.537
74	5	-1.02789	187 332	-547.677
75	5	-1.01943	188.371	-552.774
76	5	-1.01104	189.393	-557 829

77	5	-1.00271	190.399	-562.843
78	5	-0.994457	191.388	-567.815
79	5	-0.986272	192.36	-572.746
80	5	-0.97815	193.317	-577.637
81	5	-0.966088	194.251	-582.468
82	5	-0.958125	195.169	-587.258
83	5	-0.950222	196.071	-592.009
84	5	-0.942375	196.96	-596.721
85	5	-0.93459	197.833	-601.394
86	5	-0.926859	198.692	-606.028
87	5	-0.919183	199.537	-610.624
88	5	-0.911562	200.368	-615.182
89	5	-0.903992	201.185	-619.702
90	5	-0.896473	201.989	-624.185
91	5	-0.889006	202.779	-628.63
92	5	-0.881587	203.556	-633.037
93	5	-0.874218	204.321	-637.409
94	5	-0.866894	205.072	-641.743
95	5	-0.859618	205.811	-646.041
96	5	-0.852385	206.538	-650.303
97	5	-0.841621	207.246	-654.511
98	5	-0.834498	207.942	-658.684
99	5	-0.827417	208.627	-662.821
100	5	-0.820379	209.3	-666.923
101	5	-0.813379	209.961	-670.99
102	5	-0.806422	210.612	-675.022
103	5	-0.7995	211.251	-679.019
104	5	-0.792618	211.879	-682.982
105	5	-0.785774	212.497	-686.911
106	5	-0.778966	213.103	-690.806
107	5	-0.772193	213.7	-694.667
108	5	-0.765456	214.286	-698.494
109	5	-0.758753	214.861	-702.288
110	5	-0.752084	215.427	-706.048
111	5	-0.745449	215.983	-709.776
112	5	-0.738846	216.529	-713.47
113	5	-0.732275	217.065	-717.131
114	5	-0.722479	217.587	-720.744
115	5	-0.715986	218.099	-724.324
116	5	-0.709522	218.603	-727.871
117	5	-0.703089	219.097	-731.387
118	5	-0.696684	219.583	-734.87
119	5	-0.690309	220.059	-738.322
120	5	-0.68396	220.527	-741.741
121	5	-0.677639	220.986	-745.13
122	5	-0.671346	221.437	-748.486
123	5	-0.665079	221.879	-751.812
124	5	-0.658838	222.313	-755.106
125	5	-0.652622	222.739	-758.369
126	5	-0.646431	223.157	-761.601
127	5	-0.640266	223.567	-764.802
128	5	-0.634124	223.969	-767.973
129	5	-0.628006	224.363	-771.113
130	5	-0.618872	224.746	-774.207
131	5	-0.612813	225.122	-777.272
132	5	-0.606775	225.49	-780.305
133	5	-0.60076	225.851	-783.309
134	5	-0.594766	226.205	-786.283
135	5	-0.588793	226.551	-789.227
136	5	-0.582841	226.891	-792.141
137	5	-0.576911	227.224	-795.026
138	5	-0.570999	227.55	-797.881
139	5	-0.565108	227.869	-800.706
140	5	-0.559237	228.182	-803.502
141	5	-0.553384	228.488	-806.269
142	5	-0.547551	228.788	-809.007
143	5	-0.541736	229.082	-811.716
144	5	-0.53594	229.369	-814.396
145	5	-0.530162	229.65	-817.046
146	5	-0.521527	229.922	-819.654
147	5	-0.515791	230.188	-822.233
148	5	-0.510074	230.448	-824.783
149	5	-0.504372	230.703	-827.305
150	5	-0.498687	230.951	-829.799
151	5	-0.493018	231.194	-832.264
152	5	-0.487364	231.432	-834.701
153	5	-0.481728	231.664	-837.109
154	5	-0.476105	231.891	-839.49
155	5	-0.470498	232.112	-841.842
156	5	-0.464904	232.328	-844.167
157	5	-0.459327	232.539	-846.463
158	5	-0.453763	232.745	-848.732
159	5	-0.448213	232.946	-850.973
160	5	-0.442676	233.142	-853.187
161	5	-0.437153	233.333	-855.372
162	5	-0.428895	233.517	-857.517

163	5	-0.423405	233.696	-859.634
164	5	-0.417928	233.871	-861.723
165	5	-0.412463	234.041	-863.786
166	5	-0.40701	234.207	-865.821
167	5	-0.401571	234.368	-867.829
168	5	-0.396142	234.525	-869.809
169	5	-0.390726	234.677	-871.763
170	5	-0.385321	234.826	-873.69
171	5	-0.379927	234.97	-875.589
172	5	-0.374544	235.111	-877.462
173	5	-0.369171	235.247	-879.308
174	5	-0.363809	235.379	-881.127
175	5	-0.358459	235.508	-882.919
176	5	-0.353118	235.632	-884.685
177	5	-0.347787	235.753	-886.424
178	5	-0.33981	235.869	-888.123
179	5	-0.334503	235.981	-889.795
180	5	-0.329206	236.089	-891.441
181	5	-0.323919	236.194	-893.061
182	5	-0.318639	236.296	-894.654
183	5	-0.31337	236.394	-896.221
184	5	-0.308108	236.489	-897.761
185	5	-0.302855	236.58	-899.276
186	5	-0.297612	236.669	-900.764
187	5	-0.292375	236.754	-902.226
188	5	-0.287147	236.837	-903.661
189	5	-0.281926	236.916	-905.071
190	5	-0.276714	236.993	-906.455
191	5	-0.271509	237.067	-907.812
192	5	-0.266311	237.138	-909.144
193	5	-0.26112	237.206	-910.449
194	5	-0.253347	237.27	-911.716
195	5	-0.248174	237.332	-912.957
196	5	-0.243007	237.391	-914.172
197	5	-0.237847	237.447	-915.361
198	5	-0.232693	237.501	-916.525
199	5	-0.227545	237.553	-917.662
200	5	-0.222403	237.603	-918.774
201	5	-0.217267	237.65	-919.861
202	5	-0.212137	237.695	-920.921
203	5	-0.207012	237.738	-921.956
204	5	-0.201894	237.778	-922.966
205	5	-0.196779	237.817	-923.95
206	5	-0.191671	237.854	-924.908
207	5	-0.186567	237.889	-925.841
208	5	-0.181468	237.922	-926.748
209	5	-0.176374	237.953	-927.63
210	5	-0.171285	237.982	-928.487
211	5	-0.163659	238.009	-929.305
212	5	-0.158579	238.034	-930.098
213	5	-0.153505	238.058	-930.865
214	5	-0.148434	238.08	-931.608
215	5	-0.143367	238.1	-932.324
216	5	-0.138305	238.119	-933.016
217	5	-0.133244	238.137	-933.682
218	5	-0.128189	238.153	-934.323
219	5	-0.123135	238.169	-934.939
220	5	-0.118085	238.183	-935.529
221	5	-0.113039	238.195	-936.094
222	5	-0.107995	238.207	-936.634
223	5	-0.102953	238.218	-937.149
224	5	-0.0979139	238.227	-937.639
225	5	-0.0928787	238.236	-938.103
226	5	-0.0878447	238.243	-938.542
227	5	-0.0802981	238.25	-938.944
228	5	-0.0752698	238.256	-939.32
229	5	-0.0702426	238.261	-939.671
230	5	-0.0652187	238.265	-939.997
231	5	-0.0601949	238.268	-940.298
232	5	-0.0551734	238.271	-940.574
233	5	-0.0501541	238.274	-940.825
234	5	-0.0451348	238.276	-941.051
235	5	-0.0401167	238.278	-941.251
236	5	-0.0350997	238.279	-941.427
237	5	-0.0300838	238.28	-941.577
238	5	-0.0250691	238.28	-941.703
239	5	-0.0200544	238.281	-941.803
240	5	-0.0150408	238.281	-941.878
241	5	-0.0100272	238.281	-941.928
242	5	-0.00501359	238.281	-941.953
243	5	0.00501359	238.281	-941.928
244	5	0.0100272	238.281	-941.878
245	5	0.0150408	238.281	-941.803
246	5	0.0200544	238.282	-941.703
247	5	0.0250691	238.283	-941.577
248	5	0.0300838	238.283	-941.427

249	5	0.0350997	238.285	-941.251
250	5	0.0401167	238.286	-941.051
251	5	0.0451348	238.288	-940.825
252	5	0.0501541	238.291	-940.574
253	5	0.0551734	238.294	-940.298
254	5	0.0601949	238.297	-939.997
255	5	0.0652187	238.302	-939.671
256	5	0.0702426	238.307	-939.32
257	5	0.0752698	238.312	-938.944
258	5	0.0802981	238.319	-938.542
259	5	0.0878447	238.326	-938.103
260	5	0.0928787	238.335	-937.639
261	5	0.0979139	238.345	-937.149
262	5	0.102953	238.355	-936.634
263	5	0.107995	238.367	-936.094
264	5	0.113039	238.38	-935.529
265	5	0.118085	238.394	-934.939
266	5	0.123135	238.409	-934.323
267	5	0.128189	238.425	-933.682
268	5	0.133244	238.443	-933.016
269	5	0.138305	238.462	-932.324
270	5	0.143367	238.483	-931.608
271	5	0.148434	238.505	-930.865
272	5	0.153505	238.528	-930.098
273	5	0.158579	238.553	-929.305
274	5	0.163659	238.58	-928.487
275	5	0.171285	238.61	-927.63
276	5	0.176374	238.641	-926.748
277	5	0.181468	238.674	-925.841
278	5	0.186567	238.708	-924.908
279	5	0.191671	238.745	-923.95
280	5	0.196779	238.784	-922.966
281	5	0.201894	238.825	-921.956
282	5	0.207012	238.868	-920.921
283	5	0.212137	238.913	-919.861
284	5	0.217267	238.96	-918.774
285	5	0.222403	239.009	-917.662
286	5	0.227545	239.061	-916.525
287	5	0.232693	239.115	-915.361
288	5	0.237847	239.172	-914.172
289	5	0.243007	239.231	-912.957
290	5	0.248174	239.292	-911.716
291	5	0.253347	239.357	-910.449
292	5	0.26112	239.425	-909.144
293	5	0.266311	239.496	-907.812
294	5	0.271509	239.569	-906.455
295	5	0.276714	239.646	-905.071
296	5	0.281926	239.725	-903.661
297	5	0.287147	239.808	-902.226
298	5	0.292375	239.893	-900.764
299	5	0.297612	239.982	-899.276
300	5	0.302855	240.074	-897.761
301	5	0.308108	240.169	-896.221
302	5	0.31337	240.267	-894.654
303	5	0.318639	240.368	-893.061
304	5	0.323919	240.473	-891.441
305	5	0.329206	240.582	-889.795
306	5	0.334503	240.693	-888.123
307	5	0.33981	240.809	-886.424
308	5	0.347787	240.93	-884.685
309	5	0.353118	241.055	-882.919
310	5	0.358459	241.183	-881.127
311	5	0.363809	241.315	-879.308
312	5	0.369171	241.452	-877.462
313	5	0.374544	241.592	-875.589
314	5	0.379927	241.736	-873.69
315	5	0.385321	241.885	-871.763
316	5	0.390726	242.037	-869.809
317	5	0.396142	242.194	-867.829
318	5	0.401571	242.356	-865.821
319	5	0.40701	242.521	-863.786
320	5	0.412463	242.691	-861.723
321	5	0.417928	242.866	-859.634
322	5	0.423405	243.045	-857.517
323	5	0.428895	243.229	-855.372
324	5	0.437153	243.42	-853.187
325	5	0.442676	243.616	-850.973
326	5	0.448213	243.817	-848.732
327	5	0.453763	244.023	-846.463
328	5	0.459327	244.234	-844.167
329	5	0.464904	244.45	-841.842
330	5	0.470498	244.672	-839.49
331	5	0.476105	244.898	-837.109
332	5	0.481728	245.13	-834.701
333	5	0.487364	245.368	-832.264
334	5	0.493018	245.611	-829.799

335	5	0.498687	245.86	-827.305
336	5	0.504372	246.114	-824.783
337	5	0.510074	246.374	-822.233
338	5	0.515791	246.64	-819.654
339	5	0.521527	246.912	-817.046
340	5	0.530162	247.193	-814.396
341	5	0.53594	247.481	-811.716
342	5	0.541736	247.774	-809.007
343	5	0.547551	248.074	-806.269
344	5	0.553384	248.38	-803.502
345	5	0.559237	248.693	-800.706
346	5	0.565108	249.012	-797.881
347	5	0.570999	249.338	-795.026
348	5	0.576911	249.671	-792.141
349	5	0.582841	250.011	-789.227
350	5	0.588793	250.357	-786.283
351	5	0.594766	250.711	-783.309
352	5	0.60076	251.072	-780.305
353	5	0.606775	251.44	-777.272
354	5	0.612813	251.816	-774.207
355	5	0.618872	252.199	-771.113
356	5	0.628006	252.593	-767.973
357	5	0.634124	252.995	-764.802
358	5	0.640266	253.405	-761.601
359	5	0.646431	253.823	-758.369
360	5	0.652622	254.249	-755.106
361	5	0.658838	254.683	-751.812
362	5	0.665079	255.125	-748.486
363	5	0.671346	255.576	-745.13
364	5	0.677639	256.035	-741.741
365	5	0.68396	256.503	-738.322
366	5	0.690309	256.98	-734.87
367	5	0.696684	257.465	-731.387
368	5	0.703089	257.959	-727.871
369	5	0.709522	258.463	-724.324
370	5	0.715986	258.975	-720.744
371	5	0.722479	259.497	-717.131
372	5	0.732275	260.034	-713.47
373	5	0.738846	260.58	-709.776
374	5	0.745449	261.135	-706.048
375	5	0.752084	261.701	-702.288
376	5	0.758753	262.277	-698.494
377	5	0.765456	262.863	-694.667
378	5	0.772193	263.459	-690.806
379	5	0.778966	264.066	-686.911
380	5	0.785774	264.683	-682.982
381	5	0.792618	265.311	-679.019
382	5	0.7995	265.95	-675.022
383	5	0.806422	266.601	-670.99
384	5	0.813379	267.262	-666.923
385	5	0.820379	267.935	-662.821
386	5	0.827417	268.62	-658.684
387	5	0.834498	269.316	-654.511
388	5	0.841621	270.025	-650.303
389	5	0.852385	270.751	-646.041
390	5	0.859618	271.49	-641.743
391	5	0.866894	272.242	-637.409
392	5	0.874218	273.006	-633.037
393	5	0.881587	273.783	-628.63
394	5	0.889006	274.574	-624.185
395	5	0.896473	275.377	-619.702
396	5	0.903992	276.194	-615.182
397	5	0.911562	277.025	-610.624
398	5	0.919183	277.87	-606.028
399	5	0.926859	278.729	-601.394
400	5	0.93459	279.603	-596.721
401	5	0.942375	280.491	-592.009
402	5	0.950222	281.394	-587.258
403	5	0.958125	282.312	-582.468
404	5	0.966088	283.245	-577.637
405	5	0.97815	284.202	-572.746
406	5	0.986272	285.175	-567.815
407	5	0.994457	286.164	-562.843
408	5	1.00271	287.169	-557.829
409	5	1.01104	288.191	-552.774
410	5	1.01943	289.23	-547.677
411	5	1.02789	290.287	-542.537
412	5	1.03643	291.361	-537.355
413	5	1.04505	292.453	-532.13
414	5	1.05375	293.564	-526.861
415	5	1.06252	294.693	-521.549
416	5	1.07138	295.84	-516.192
417	5	1.08032	297.008	-510.79
418	5	1.08935	298.194	-505.343
419	5	1.09847	299.401	-499.851
420	5	1.10768	300.628	-494.313

421	5	1.12168	301 886	-488.704
422	5	1.13113	303.165	-483.049
423	5	1.14069	304.467	-477.345
424	5	1.15035	305.79	-471.593
425	5	1.16012	307.136	-465.793
426	5	1.17	308.505	-459.943
427	5	1.18	309.897	-454.043
428	5	1.19012	311.313	-448.092
429	5	1 20036	312.754	-442.09
430	5	1.21073	314.22	-436.037
431	5	1.22123	315 712	-429.931
432	5	1.23187	317.229	-423.771
433	5	1 24264	318.773	-417.558
434	5	1.25357	320.345	-411.29
435	5	1.26464	321 944	-404.967
436	5	1 27588	323.572	-398.588
437	5	1.29303	325.244	-392.123
438	5	1.30469	326 946	-385.599
439	5	1 31652	328.679	-379.017
440	5	1.32854	330.444	-372.374
441	5	1.34075	332.242	-365.67
442	5	1 35317	334 073	-358.904
443	5	1.36581	335.938	-352.075
444	5	1.37866	337.839	-345.182
445	5	1.39175	339.776	-338.223
446	5	1.40507	341.75	-331.198
447	5	1.41865	343.763	-324.105
448	5	1.4325	345.815	-316.942
449	5	1.44663	347.908	-309.709
450	5	1.46106	350.042	-302.404
451	5	1.47579	352.22	-295.025
452	5	1.49085	354.443	-287.57
453	5	1.5141	356 735	-280
454	5	1.53007	359.077	-272.349
455	5	1 54643	361.468	-264.617
456	5	1.56322	363.912	-256.801
457	5	1.58047	366 41	-248.899
458	5	1.59819	368.964	-240.908
459	5.2	1.61644	371.577	-232.502
460	5.6	1 63524	374.251	-223.345
461	6.5	1 65463	376 988	-212.59
462	7	1.67466	379.793	-200 867
463	10	1.6954	382.667	-183.913
464	11	1.71688	385.615	-165.028
465	12.3	1 7392	388.64	-143.636
466	12.3	1.76241	391 746	-121.958
467	13	1.78661	394.938	-98.732
468	13	1.81191	398.221	-75 1771
469	14	1.85218	401.651	-49.2466
470	14	1.88079	405.189	-22.9156
471	14	1.91103	408.841	3.83886
472	14	1.94314	412.617	31.0428
473	16	1.97737	416.527	62.6807
474	16	2.01409	420.583	94.9062
475	17	2.05375	424 801	129.82
476	20	2.09693	429.198	171.759
477	21	2.14441	433.797	216.791
478	23	2.19728	438.625	267.329
479	26	2.25713	443.719	326.014
480	27	2 32634	449.131	388 825
481	28	2.40892	454.934	456.275
482	30	2.51213	461.245	531.639
483	34	2.65209	468.279	621.81
484	38	2.87815	476.562	731.18

Data Set Standard Deviation = 3.41762
Numerator = 534624
Denominator = 2.68852e+006
W Statistic = 0.198854 = 534624 / 2.68852e+006

5% Critical value of 0.976 exceeds 0.198854
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.198854
Evidence of non-normality at 99% level of significance

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 = 484

	x(i)	m(i)	sum(m^2)	sum(mx)
1	0.49	-2.87815	8.28375	-1.41029
2	0 62	-2.65209	15.3173	-3.05459
3	0.72	-2.51213	21.6281	-4.86332
4	0 73	-2.40892	27.431	-6.62184
5	0 79	-2.32634	32.8429	-8.45965
6	0 87	-2 25713	37.9375	-10.4234
7	0.89	-2 19728	42.7656	-12.3789
8	0.91	-2.14441	47.3641	-14.3303
9	1 1	-2.09693	51 7612	-16.637
10	1.1	-2.05375	55.9791	-18.8961
11	1.2	-2 01409	60 0357	-21.313
12	1 2	-1.97737	63.9456	-23.6858
13	1.2	-1.94314	67.7214	-26.0176
14	1 2	-1 91103	71 3735	-28.3108
15	1 4	-1.88079	74.9108	-30.944
16	1.4	-1.85218	78.3414	-33.537
17	1.5	-1 81191	81 6244	-36.2549
18	1.7	-1 78661	84 8164	-39.2921
19	1 7	-1 76241	87.9225	-42.2882
20	2	-1.7392	90.9473	-45.7666
21	2	-1 71688	93.895	-49.2004
22	2 2	-1.6954	96.7694	-52.9302
23	2.2	-1.67466	99 5739	-56.6145
24	2 3	-1.65463	102.312	-60.4201
25	2 3	-1 63524	104.986	-64 1812
26	2.5	-1.61644	107.599	-68.2223
27	2.6	-1.59819	110.153	-72 3776
28	2 6	-1.58047	112.651	-76.4868
29	2.7	-1.56322	115.094	-80.7075
30	5	-1.54643	117.486	-88.4396
31	5	-1.53007	119.827	-96.09
32	5	-1.5141	122.119	-103.66
33	5	-1.49085	124 342	-111 115
34	5	-1.47579	126.52	-118.494
35	5	-1.46106	128.655	-125.799
36	5	-1.44663	130 747	-133.032
37	5	-1.4325	132.799	-140.195
38	5	-1.41865	134.812	-147.288
39	5	-1.40507	136 786	-154.313
40	5	-1.39175	138 723	-161.272
41	5	-1 37866	140.624	-168.165
42	5	-1.36581	142.489	-174 994
43	5	-1 35317	144.32	-181.76
44	5	-1.34075	146.118	-188.464
45	5	-1.32854	147.883	-195.107
46	5	-1 31652	149.616	-201.689
47	5	-1 30469	151.318	-208.213
48	5	-1.29303	152.99	-214 678
49	5	-1.27588	154.618	-221.057
50	5	-1 26464	156.218	-227.38
51	5	-1.25357	157 789	-233 648
52	5	-1.24264	159.333	-239.862
53	5	-1 23187	160 851	-246.021
54	5	-1.22123	162.342	-252.127
55	5	-1.21073	163.808	-258.181
56	5	-1.20036	165.249	-264 182
57	5	-1 19012	166.665	-270.133
58	5	-1.18	168.058	-276.033
59	5	-1 17	169.426	-281.883
60	5	-1.16012	170.772	-287.684
61	5	-1.15035	172.096	-293.435
62	5	-1 14069	173.397	-299.139
63	5	-1.13113	174.676	-304.794
64	5	-1.12168	175.934	-310.403
65	5	-1 10768	177.161	-315 941
66	5	-1.09847	178.368	-321.434
67	5	-1.08935	179.555	-326.88
68	5	-1.08032	180 722	-332.282
69	5	-1.07138	181.87	-337.639
70	5	-1.06252	182.999	-342.951
71	5	-1 05375	184.109	-348 22
72	5	-1 04505	185 201	-353.445
73	5	-1.03643	186.275	-358.628
74	5	-1 02789	187.332	-363.767
75	5	-1 01943	188.371	-368.864
76	5	-1.01104	189.393	-373 919

77	5	-1.00271	190.399	-378.933
78	5	-0.994457	191.388	-383.905
79	5	-0.986272	192.36	-388.837
80	5	-0.97815	193.317	-393.727
81	5	-0.966088	194.251	-398.558
82	5	-0.958125	195.169	-403.348
83	5	-0.950222	196.071	-408.1
84	5	-0.942375	196.96	-412.811
85	5	-0.93459	197.833	-417.484
86	5	-0.926859	198.692	-422.119
87	5	-0.919183	199.537	-426.715
88	5	-0.911562	200.368	-431.272
89	5	-0.903992	201.185	-435.792
90	5	-0.896473	201.989	-440.275
91	5	-0.889006	202.779	-444.72
92	5	-0.881587	203.556	-449.128
93	5	-0.874218	204.321	-453.499
94	5	-0.866894	205.072	-457.833
95	5	-0.859618	205.811	-462.131
96	5	-0.852385	206.538	-466.393
97	5	-0.841621	207.246	-470.601
98	5	-0.834498	207.942	-474.774
99	5	-0.827417	208.627	-478.911
100	5	-0.820379	209.3	-483.013
101	5	-0.813379	209.961	-487.08
102	5	-0.806422	210.612	-491.112
103	5	-0.7995	211.251	-495.109
104	5	-0.792618	211.879	-499.072
105	5	-0.785774	212.497	-503.001
106	5	-0.778966	213.103	-506.896
107	5	-0.772193	213.7	-510.757
108	5	-0.765456	214.286	-514.584
109	5	-0.758753	214.861	-518.378
110	5	-0.752084	215.427	-522.139
111	5	-0.745449	215.983	-525.866
112	5	-0.738846	216.529	-529.56
113	5	-0.732275	217.065	-533.221
114	5	-0.722479	217.587	-536.834
115	5	-0.715986	218.099	-540.414
116	5	-0.709522	218.603	-543.961
117	5	-0.703089	219.097	-547.477
118	5	-0.696684	219.583	-550.96
119	5	-0.690309	220.059	-554.412
120	5	-0.68396	220.527	-557.832
121	5	-0.677639	220.986	-561.22
122	5	-0.671346	221.437	-564.576
123	5	-0.665079	221.879	-567.902
124	5	-0.658838	222.313	-571.196
125	5	-0.652622	222.739	-574.459
126	5	-0.646431	223.157	-577.691
127	5	-0.640266	223.567	-580.893
128	5	-0.634124	223.969	-584.063
129	5	-0.628006	224.363	-587.203
130	5	-0.618872	224.746	-590.298
131	5	-0.612813	225.122	-593.362
132	5	-0.606775	225.49	-596.396
133	5	-0.60076	225.851	-599.399
134	5	-0.594766	226.205	-602.373
135	5	-0.588793	226.551	-605.317
136	5	-0.582841	226.891	-608.231
137	5	-0.576911	227.224	-611.116
138	5	-0.570999	227.55	-613.971
139	5	-0.565108	227.869	-616.796
140	5	-0.559237	228.182	-619.593
141	5	-0.553384	228.488	-622.36
142	5	-0.547551	228.788	-625.097
143	5	-0.541736	229.082	-627.806
144	5	-0.53594	229.369	-630.486
145	5	-0.530162	229.65	-633.137
146	5	-0.521527	229.922	-635.744
147	5	-0.515791	230.188	-638.323
148	5	-0.510074	230.448	-640.873
149	5	-0.504372	230.703	-643.395
150	5	-0.498687	230.951	-645.889
151	5	-0.493018	231.194	-648.354
152	5	-0.487364	231.432	-650.791
153	5	-0.481728	231.664	-653.199
154	5	-0.476105	231.891	-655.58
155	5	-0.470498	232.112	-657.932
156	5	-0.464904	232.328	-660.257
157	5	-0.459327	232.539	-662.553
158	5	-0.453763	232.745	-664.822
159	5	-0.448213	232.946	-667.063
160	5	-0.442676	233.142	-669.277
161	5	-0.437153	233.333	-671.463
162	5	-0.428895	233.517	-673.607

163	5	-0.423405	233.696	-675.724
164	5	-0.417928	233.871	-677.814
165	5	-0.412463	234.041	-679.876
166	5	-0.40701	234.207	-681.911
167	5	-0.401571	234.368	-683.919
168	5	-0.396142	234.525	-685.9
169	5	-0.390726	234.677	-687.853
170	5	-0.385321	234.826	-689.78
171	5	-0.379927	234.97	-691.679
172	5	-0.374544	235.111	-693.552
173	5	-0.369171	235.247	-695.398
174	5	-0.363809	235.379	-697.217
175	5	-0.358459	235.508	-699.009
176	5	-0.353118	235.632	-700.775
177	5	-0.347787	235.753	-702.514
178	5	-0.33981	235.869	-704.213
179	5	-0.334503	235.981	-705.885
180	5	-0.329206	236.089	-707.531
181	5	-0.323919	236.194	-709.151
182	5	-0.318639	236.296	-710.744
183	5	-0.31337	236.394	-712.311
184	5	-0.308108	236.489	-713.852
185	5	-0.302855	236.58	-715.366
186	5	-0.297612	236.669	-716.854
187	5	-0.292375	236.754	-718.316
188	5	-0.287147	236.837	-719.752
189	5	-0.281926	236.916	-721.161
190	5	-0.276714	236.993	-722.545
191	5	-0.271509	237.067	-723.902
192	5	-0.266311	237.138	-725.234
193	5	-0.26112	237.206	-726.54
194	5	-0.253347	237.27	-727.806
195	5	-0.248174	237.332	-729.047
196	5	-0.243007	237.391	-730.262
197	5	-0.237847	237.447	-731.451
198	5	-0.232693	237.501	-732.615
199	5	-0.227545	237.553	-733.753
200	5	-0.222403	237.603	-734.865
201	5	-0.217267	237.65	-735.951
202	5	-0.212137	237.695	-737.012
203	5	-0.207012	237.738	-738.047
204	5	-0.201894	237.778	-739.056
205	5	-0.196779	237.817	-740.04
206	5	-0.191671	237.854	-740.998
207	5	-0.186567	237.889	-741.931
208	5	-0.181468	237.922	-742.839
209	5	-0.176374	237.953	-743.72
210	5	-0.171285	237.982	-744.577
211	5	-0.163659	238.009	-745.395
212	5	-0.158579	238.034	-746.188
213	5	-0.153505	238.058	-746.956
214	5	-0.148434	238.08	-747.698
215	5	-0.143367	238.1	-748.415
216	5	-0.138305	238.119	-749.106
217	5	-0.133244	238.137	-749.772
218	5	-0.128189	238.153	-750.413
219	5	-0.123135	238.169	-751.029
220	5	-0.118085	238.183	-751.619
221	5	-0.113039	238.195	-752.185
222	5	-0.107995	238.207	-752.725
223	5	-0.102953	238.218	-753.239
224	5	-0.0979139	238.227	-753.729
225	5	-0.0928787	238.236	-754.193
226	5	-0.0878447	238.243	-754.633
227	5	-0.0802981	238.25	-755.034
228	5	-0.0752698	238.256	-755.41
229	5	-0.0702426	238.261	-755.762
230	5	-0.0652187	238.265	-756.088
231	5	-0.0601949	238.268	-756.389
232	5	-0.0551734	238.271	-756.664
233	5	-0.0501541	238.274	-756.915
234	5	-0.0451348	238.276	-757.141
235	5	-0.0401167	238.278	-757.342
236	5	-0.0350997	238.279	-757.517
237	5	-0.0300838	238.28	-757.667
238	5	-0.0250691	238.28	-757.793
239	5	-0.0200544	238.281	-757.893
240	5	-0.0150408	238.281	-757.968
241	5	-0.0100272	238.281	-758.018
242	5	-0.00501359	238.281	-758.043
243	5	0.00501359	238.281	-758.018
244	5	0.0100272	238.281	-757.968
245	5	0.0150408	238.281	-757.893
246	5	0.0200544	238.282	-757.793
247	5	0.0250691	238.283	-757.667
248	5	0.0300838	238.283	-757.517

249	5	0.0350997	238.285	-757.342
250	5	0.0401167	238.286	-757.141
251	5	0.0451348	238.288	-756.915
252	5	0.0501541	238.291	-756.664
253	5	0.0551734	238.294	-756.389
254	5	0.0601949	238.297	-756.088
255	5	0.0652187	238.302	-755.762
256	5	0.0702426	238.307	-755.41
257	5	0.0752698	238.312	-755.034
258	5	0.0802981	238.319	-754.633
259	5	0.0878447	238.326	-754.193
260	5	0.0928787	238.335	-753.729
261	5	0.0979139	238.345	-753.239
262	5	0.102953	238.355	-752.725
263	5	0.107995	238.367	-752.185
264	5	0.113039	238.38	-751.619
265	5	0.118085	238.394	-751.029
266	5	0.123135	238.409	-750.413
267	5	0.128189	238.425	-749.772
268	5	0.133244	238.443	-749.106
269	5	0.138305	238.462	-748.415
270	5	0.143367	238.483	-747.698
271	5	0.148434	238.505	-746.956
272	5	0.153505	238.528	-746.188
273	5	0.158579	238.553	-745.395
274	5	0.163659	238.58	-744.577
275	5	0.171285	238.61	-743.72
276	5	0.176374	238.641	-742.839
277	5	0.181468	238.674	-741.931
278	5	0.186567	238.708	-740.998
279	5	0.191671	238.745	-740.04
280	5	0.196779	238.784	-739.056
281	5	0.201894	238.825	-738.047
282	5	0.207012	238.868	-737.012
283	5	0.212137	238.913	-735.951
284	5	0.217267	238.96	-734.865
285	5	0.222403	239.009	-733.753
286	5	0.227545	239.061	-732.615
287	5	0.232693	239.115	-731.451
288	5	0.237847	239.172	-730.262
289	5	0.243007	239.231	-729.047
290	5	0.248174	239.292	-727.806
291	5	0.253347	239.357	-726.54
292	5	0.26112	239.425	-725.234
293	5	0.266311	239.496	-723.902
294	5	0.271509	239.569	-722.545
295	5	0.276714	239.646	-721.161
296	5	0.281926	239.725	-719.752
297	5	0.287147	239.808	-718.316
298	5	0.292375	239.893	-716.854
299	5	0.297612	239.982	-715.366
300	5	0.302855	240.074	-713.852
301	5	0.308108	240.169	-712.311
302	5	0.31337	240.267	-710.744
303	5	0.318639	240.368	-709.151
304	5	0.323919	240.473	-707.531
305	5	0.329206	240.582	-705.885
306	5	0.334503	240.693	-704.213
307	5	0.33981	240.809	-702.514
308	5	0.347787	240.93	-700.775
309	5	0.353118	241.055	-699.009
310	5	0.358459	241.183	-697.217
311	5	0.363809	241.315	-695.398
312	5	0.369171	241.452	-693.552
313	5	0.374544	241.592	-691.679
314	5	0.379927	241.736	-689.78
315	5	0.385321	241.885	-687.853
316	5	0.390726	242.037	-685.9
317	5	0.396142	242.194	-683.919
318	5	0.401571	242.356	-681.911
319	5	0.40701	242.521	-679.876
320	5	0.412463	242.691	-677.814
321	5	0.417928	242.866	-675.724
322	5	0.423405	243.045	-673.607
323	5	0.428895	243.229	-671.463
324	5	0.437153	243.42	-669.277
325	5	0.442676	243.616	-667.063
326	5	0.448213	243.817	-664.822
327	5	0.453763	244.023	-662.553
328	5	0.459327	244.234	-660.257
329	5	0.464904	244.45	-657.932
330	5	0.470498	244.672	-655.58
331	5	0.476105	244.898	-653.199
332	5	0.481728	245.13	-650.791
333	5	0.487364	245.368	-648.354
334	5	0.493018	245.611	-645.889

335	5	0.498687	245.86	-643.395
336	5	0.504372	246.114	-640.873
337	5	0.510074	246.374	-638.323
338	5	0.515791	246.64	-635.744
339	5	0.521527	246.912	-633.137
340	5	0.530162	247.193	-630.486
341	5	0.53594	247.481	-627.806
342	5	0.541736	247.774	-625.097
343	5	0.547551	248.074	-622.36
344	5	0.553384	248.38	-619.593
345	5	0.559237	248.693	-616.796
346	5	0.565108	249.012	-613.971
347	5	0.570999	249.338	-611.116
348	5	0.576911	249.671	-608.231
349	5	0.582841	250.011	-605.317
350	5	0.588793	250.357	-602.373
351	5	0.594766	250.711	-599.399
352	5	0.60076	251.072	-596.396
353	5	0.606775	251.44	-593.362
354	5	0.612813	251.816	-590.298
355	5	0.618872	252.199	-587.203
356	5	0.628006	252.593	-584.063
357	5	0.634124	252.995	-580.893
358	5	0.640266	253.405	-577.691
359	5	0.646431	253.823	-574.459
360	5	0.652622	254.249	-571.196
361	5	0.658838	254.683	-567.902
362	5	0.665079	255.125	-564.576
363	5	0.671346	255.576	-561.22
364	5	0.677639	256.035	-557.832
365	5	0.68396	256.503	-554.412
366	5	0.690309	256.98	-550.96
367	5	0.696684	257.465	-547.477
368	5	0.703089	257.959	-543.961
369	5	0.709522	258.463	-540.414
370	5	0.715986	258.975	-536.834
371	5	0.722479	259.497	-533.221
372	5	0.732275	260.034	-529.56
373	5	0.738846	260.58	-525.866
374	5	0.745449	261.135	-522.139
375	5	0.752084	261.701	-518.378
376	5	0.758753	262.277	-514.584
377	5	0.765456	262.863	-510.757
378	5	0.772193	263.459	-506.896
379	5	0.778966	264.066	-503.001
380	5	0.785774	264.683	-499.072
381	5	0.792618	265.311	-495.109
382	5	0.7995	265.95	-491.112
383	5	0.806422	266.601	-487.08
384	5	0.813379	267.262	-483.013
385	5	0.820379	267.935	-478.911
386	5	0.827417	268.62	-474.774
387	5	0.834498	269.316	-470.601
388	5	0.841621	270.025	-466.393
389	5	0.852385	270.751	-462.131
390	5.1	0.859618	271.49	-457.747
391	5.3	0.866894	272.242	-453.153
392	5.4	0.874218	273.006	-448.432
393	5.5	0.881587	273.783	-443.583
394	5.6	0.889006	274.574	-438.605
395	5.7	0.896473	275.377	-433.495
396	5.8	0.903992	276.194	-428.252
397	5.9	0.911562	277.025	-422.874
398	6	0.919183	277.87	-417.358
399	6	0.926859	278.729	-411.797
400	6.3	0.93459	279.603	-405.909
401	6.3	0.942375	280.491	-399.972
402	6.3	0.950222	281.394	-393.986
403	6.5	0.958125	282.312	-387.758
404	6.8	0.966088	283.245	-381.189
405	6.9	0.97815	284.202	-374.44
406	6.9	0.986272	285.175	-367.634
407	6.9	0.994457	286.164	-360.772
408	6.9	1.00271	287.169	-353.854
409	7	1.01104	288.191	-346.777
410	7	1.01943	289.23	-339.641
411	7	1.02789	290.287	-332.445
412	7.1	1.03643	291.361	-325.087
413	7.2	1.04505	292.453	-317.562
414	7.3	1.05375	293.564	-309.87
415	7.3	1.06252	294.693	-302.114
416	7.4	1.07138	295.84	-294.185
417	7.5	1.08032	297.008	-286.083
418	7.7	1.08935	298.194	-277.695
419	7.7	1.09847	299.401	-269.237
420	7.7	1.10768	300.628	-260.708

421	7.8	1 12168	301 886	-251.958
422	7 9	1.13113	303.165	-243.023
423	7.9	1.14069	304 467	-234 011
424	8.7	1 15035	305.79	-224.003
425	9	1 16012	307.136	-213.562
426	9	1.17	308.505	-203.032
427	9 1	1.18	309 897	-192.294
428	9 2	1.19012	311.313	-181 345
429	9.5	1.20036	312.754	-169.941
430	9 7	1.21073	314.22	-158.197
431	9.8	1.22123	315.712	-146.229
432	10	1.23187	317.229	-133.911
433	11	1.24264	318.773	-120.242
434	11	1.25357	320.345	-106.452
435	11	1.26464	321.944	-92.5414
436	11	1 27588	323 572	-78.5067
437	11	1.29303	325.244	-64.2834
438	11	1.30469	326.946	-49 9318
439	12	1 31652	328.679	-34.1336
440	12	1 32854	330.444	-18.1911
441	12	1.34075	332.242	-2.10204
442	12	1.35317	334 073	14 136
443	12	1.36581	335 938	30 5257
444	12	1.37866	337.839	47.0696
445	12	1.39175	339.776	63.7705
446	12	1.40507	341.75	80.6314
447	12	1 41865	343.763	97.6553
448	13	1.4325	345.815	116.278
449	13	1 44663	347.908	135.084
450	13	1.46106	350 042	154.078
451	13	1.47579	352.22	173.263
452	13.3	1.49085	354 443	193.091
453	14	1.5141	356.735	214.289
454	14	1.53007	359.077	235.71
455	15	1.54643	361.468	258.906
456	15	1.56322	363.912	282.355
457	15	1.58047	366.41	306.062
458	16	1.59819	368.964	331 633
459	16	1.61644	371.577	357 496
460	16	1.63524	374.251	383.659
461	16	1 65463	376.988	410.133
462	16	1.67466	379.793	436.928
463	17	1 6954	382.667	465.75
464	17	1.71688	385.615	494 937
465	18	1.7392	388.64	526.242
466	18	1.76241	391.746	557.966
467	19	1 78661	394.938	591.911
468	20	1.81191	398.221	628.15
469	25	1.85218	401.651	674.454
470	25	1.88079	405.189	721.474
471	26	1.91103	408.841	771 161
472	33	1.94314	412.617	835.284
473	35	1 97737	416.527	904 492
474	67.6	2.01409	420.583	1040.64
475	69	2.05375	424 801	1182 35
476	78.7	2.09693	429.198	1347.38
477	94	2.14441	433.797	1548 96
478	110	2.19728	438.625	1790.66
479	110	2.25713	443.719	2038.94
480	160	2.32634	449.131	2411.16
481	170	2.40892	454 934	2820 67
482	180	2 51213	461 245	3272.86
483	290	2 65209	468 279	4041.96
484	330	2.87815	476.562	4991 75

Data Set Standard Deviation = 25 3431
Numerator = 2.49176e+007
Denominator = 1.47838e+008
W Statistic = 0.168547 = 2.49176e+007 / 1.47838e+008

5% Critical value of 0.976 exceeds 0.168547
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.168547
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 = 484

	x(i)	m(i)	sum(m^2)	sum(mx)
1	0.44	-2.87815	8.28375	-1.26639
2	0.45	-2.65209	15.3173	-2.45983
3	0.47	-2.51213	21.6281	-3.64053
4	0.47	-2.40892	27.431	-4.77272
5	0.73	-2.32634	32.8429	-6.47095
6	0.8	-2.25713	37.9375	-8.27666
7	0.9	-2.19728	42.7656	-10.2542
8	1.6	-2.14441	47.3641	-13.6853
9	2.6	-2.09693	51.7612	-19.1373
10	3.2	-2.05375	55.9791	-25.7093
11	3.6	-2.01409	60.0357	-32.96
12	3.9	-1.97737	63.9456	-40.6718
13	4.8	-1.94314	67.7214	-49.9988
14	5.4	-1.91103	71.3735	-60.3184
15	9	-1.88079	74.9108	-77.2455
16	10	-1.85218	78.3414	-95.7672
17	10	-1.81191	81.6244	-113.886
18	10	-1.78661	84.8164	-131.752
19	10	-1.76241	87.9225	-149.377
20	10	-1.7392	90.9473	-166.769
21	10	-1.71688	93.895	-183.937
22	10	-1.6954	96.7694	-200.891
23	10	-1.67466	99.5739	-217.638
24	10	-1.65463	102.312	-234.184
25	10	-1.63524	104.986	-250.537
26	10	-1.61644	107.599	-266.701
27	10	-1.59819	110.153	-282.683
28	10	-1.58047	112.651	-298.488
29	10	-1.56322	115.094	-314.12
30	10	-1.54643	117.486	-329.584
31	10	-1.53007	119.827	-344.885
32	10	-1.5141	122.119	-360.026
33	10	-1.49085	124.342	-374.934
34	10	-1.47579	126.52	-389.692
35	10	-1.46106	128.655	-404.303
36	10	-1.44663	130.747	-418.769
37	10	-1.4325	132.799	-433.094
38	10	-1.41865	134.812	-447.281
39	10	-1.40507	136.786	-461.331
40	10	-1.39175	138.723	-475.249
41	10	-1.37866	140.624	-489.035
42	10	-1.36581	142.489	-502.694
43	10	-1.35317	144.32	-516.225
44	10	-1.34075	146.118	-529.633
45	10	-1.32854	147.883	-542.918
46	10	-1.31652	149.616	-556.083
47	10	-1.30469	151.318	-569.13
48	10	-1.29303	152.99	-582.061
49	10	-1.27588	154.618	-594.819
50	10	-1.26464	156.218	-607.466
51	10	-1.25357	157.789	-620.001
52	10	-1.24264	159.333	-632.428
53	10	-1.23187	160.851	-644.747
54	10	-1.22123	162.342	-656.959
55	10	-1.21073	163.808	-669.066
56	10	-1.20036	165.249	-681.07
57	10	-1.19012	166.665	-692.971
58	10	-1.18	168.058	-704.771
59	10	-1.17	169.426	-716.471
60	10	-1.16012	170.772	-728.072
61	10	-1.15035	172.096	-739.576
62	10	-1.14069	173.397	-750.982
63	10	-1.13113	174.676	-762.294
64	10	-1.12168	175.934	-773.511
65	10	-1.10768	177.161	-784.587
66	10	-1.09847	178.368	-795.572
67	10	-1.08935	179.555	-806.466
68	10	-1.08032	180.722	-817.269
69	10	-1.07138	181.87	-827.983
70	10	-1.06252	182.999	-838.608
71	10	-1.05375	184.109	-849.145
72	10	-1.04505	185.201	-859.596
73	10	-1.03643	186.275	-869.96
74	10	-1.02789	187.332	-880.239
75	10	-1.01943	188.371	-890.433
76	10	-1.01104	189.393	-900.544

77	10	-1.00271	190.399	-910.571
78	10	-0.994457	191.388	-920.515
79	10	-0.986272	192.36	-930.378
80	10	-0.97815	193.317	-940.159
81	10	-0.966088	194.251	-949.82
82	10	-0.958125	195.169	-959.402
83	10	-0.950222	196.071	-968.904
84	10	-0.942375	196.96	-978.328
85	10	-0.93459	197.833	-987.673
86	10	-0.926859	198.692	-996.942
87	10	-0.919183	199.537	-1006.13
88	10	-0.911562	200.368	-1015.25
89	10	-0.903992	201.185	-1024.29
90	10	-0.896473	201.989	-1033.25
91	10	-0.889006	202.779	-1042.14
92	10	-0.881587	203.556	-1050.96
93	10	-0.874218	204.321	-1059.7
94	10	-0.866894	205.072	-1068.37
95	10	-0.859618	205.811	-1076.97
96	10	-0.852385	206.538	-1085.49
97	10	-0.841621	207.246	-1093.91
98	10	-0.834498	207.942	-1102.25
99	10	-0.827417	208.627	-1110.53
100	10	-0.820379	209.3	-1118.73
101	10	-0.813379	209.961	-1126.86
102	10	-0.806422	210.612	-1134.93
103	10	-0.7995	211.251	-1142.92
104	10	-0.792618	211.879	-1150.85
105	10	-0.785774	212.497	-1158.71
106	10	-0.778966	213.103	-1166.5
107	10	-0.772193	213.7	-1174.22
108	10	-0.765456	214.286	-1181.87
109	10	-0.758753	214.861	-1189.46
110	10	-0.752084	215.427	-1196.98
111	10	-0.745449	215.983	-1204.44
112	10	-0.738846	216.529	-1211.82
113	10	-0.732275	217.065	-1219.15
114	10	-0.722479	217.587	-1226.37
115	10	-0.715986	218.099	-1233.53
116	10	-0.709522	218.603	-1240.63
117	10	-0.703089	219.097	-1247.66
118	10	-0.696684	219.583	-1254.63
119	10	-0.690309	220.059	-1261.53
120	10	-0.68396	220.527	-1268.37
121	10	-0.677639	220.986	-1275.14
122	10	-0.671346	221.437	-1281.86
123	10	-0.665079	221.879	-1288.51
124	10	-0.658838	222.313	-1295.1
125	10	-0.652622	222.739	-1301.62
126	10	-0.646431	223.157	-1308.09
127	10	-0.640266	223.567	-1314.49
128	10	-0.634124	223.969	-1320.83
129	10	-0.628006	224.363	-1327.11
130	10	-0.618872	224.746	-1333.3
131	10	-0.612813	225.122	-1339.43
132	10	-0.606775	225.49	-1345.5
133	10	-0.60076	225.851	-1351.5
134	10	-0.594766	226.205	-1357.45
135	10	-0.588793	226.551	-1363.34
136	10	-0.582841	226.891	-1369.17
137	10	-0.576911	227.224	-1374.94
138	10	-0.570999	227.55	-1380.65
139	10	-0.565108	227.869	-1386.3
140	10	-0.559237	228.182	-1391.89
141	10	-0.553384	228.488	-1397.42
142	10	-0.547551	228.788	-1402.9
143	10	-0.541736	229.082	-1408.32
144	10	-0.53594	229.369	-1413.68
145	10	-0.530162	229.65	-1418.98
146	10	-0.521527	229.922	-1424.19
147	10	-0.515791	230.188	-1429.35
148	10	-0.510074	230.448	-1434.45
149	10	-0.504372	230.703	-1439.5
150	10	-0.498687	230.951	-1444.48
151	10	-0.493018	231.194	-1449.41
152	10	-0.487364	231.432	-1454.29
153	10	-0.481728	231.664	-1459.1
154	10	-0.476105	231.891	-1463.86
155	10	-0.470498	232.112	-1468.57
156	10	-0.464904	232.328	-1473.22
157	10	-0.459327	232.539	-1477.81
158	10	-0.453763	232.745	-1482.35
159	10	-0.448213	232.946	-1486.83
160	10	-0.442676	233.142	-1491.26
161	10	-0.437153	233.333	-1495.63
162	10	-0.428895	233.517	-1499.92

163	10	-0.423405	233.696	-1504.15
164	10	-0.417928	233.871	-1508.33
165	10	-0.412463	234.041	-1512.46
166	10	-0.40701	234.207	-1516.53
167	10	-0.401571	234.368	-1520.54
168	10	-0.396142	234.525	-1524.5
169	10	-0.390726	234.677	-1528.41
170	10	-0.385321	234.826	-1532.26
171	10	-0.379927	234.97	-1536.06
172	10	-0.374544	235.111	-1539.81
173	10	-0.369171	235.247	-1543.5
174	10	-0.363809	235.379	-1547.14
175	10	-0.358459	235.508	-1550.72
176	10	-0.353118	235.632	-1554.25
177	10	-0.347787	235.753	-1557.73
178	10	-0.33981	235.869	-1561.13
179	10	-0.334503	235.981	-1564.48
180	10	-0.329206	236.089	-1567.77
181	10	-0.323919	236.194	-1571.01
182	10	-0.318639	236.296	-1574.19
183	10	-0.31337	236.394	-1577.33
184	10	-0.308108	236.489	-1580.41
185	10	-0.302855	236.58	-1583.44
186	10	-0.297612	236.669	-1586.41
187	10	-0.292375	236.754	-1589.34
188	10	-0.287147	236.837	-1592.21
189	10	-0.281926	236.916	-1595.03
190	10	-0.276714	236.993	-1597.79
191	10	-0.271509	237.067	-1600.51
192	10	-0.266311	237.138	-1603.17
193	10	-0.26112	237.206	-1605.78
194	10	-0.253347	237.27	-1608.32
195	10	-0.248174	237.332	-1610.8
196	10	-0.243007	237.391	-1613.23
197	10	-0.237847	237.447	-1615.61
198	10	-0.232693	237.501	-1617.93
199	10	-0.227545	237.553	-1620.21
200	10	-0.222403	237.603	-1622.43
201	10	-0.217267	237.65	-1624.61
202	10	-0.212137	237.695	-1626.73
203	10	-0.207012	237.738	-1628.8
204	10	-0.201894	237.778	-1630.82
205	10	-0.196779	237.817	-1632.78
206	10	-0.191671	237.854	-1634.7
207	10	-0.186567	237.889	-1636.57
208	10	-0.181468	237.922	-1638.38
209	10	-0.176374	237.953	-1640.15
210	10	-0.171285	237.982	-1641.86
211	10	-0.163659	238.009	-1643.5
212	10	-0.158579	238.034	-1645.08
213	10	-0.153505	238.058	-1646.62
214	10	-0.148434	238.08	-1648.1
215	10	-0.143367	238.1	-1649.53
216	10	-0.138305	238.119	-1650.92
217	10	-0.133244	238.137	-1652.25
218	10	-0.128189	238.153	-1653.53
219	10	-0.123135	238.169	-1654.76
220	10	-0.118085	238.183	-1655.94
221	10	-0.113039	238.195	-1657.07
222	10	-0.107995	238.207	-1658.15
223	10	-0.102953	238.218	-1659.18
224	10	-0.0979139	238.227	-1660.16
225	10	-0.0928787	238.236	-1661.09
226	10	-0.0878447	238.243	-1661.97
227	10	-0.0802981	238.25	-1662.77
228	10	-0.0752698	238.256	-1663.53
229	10	-0.0702426	238.261	-1664.23
230	10	-0.0652187	238.265	-1664.88
231	10	-0.0601949	238.268	-1665.48
232	10	-0.0551734	238.271	-1666.03
233	10	-0.0501541	238.274	-1666.54
234	10	-0.0451348	238.276	-1666.99
235	10	-0.0401167	238.278	-1667.39
236	10	-0.0350997	238.279	-1667.74
237	10	-0.0300838	238.28	-1668.04
238	10	-0.0250691	238.28	-1668.29
239	10	-0.0200544	238.281	-1668.49
240	10	-0.0150408	238.281	-1668.64
241	10	-0.0100272	238.281	-1668.74
242	10	-0.00501359	238.281	-1668.79
243	10	0.00501359	238.281	-1668.74
244	10	0.0100272	238.281	-1668.64
245	10	0.0150408	238.281	-1668.49
246	10	0.0200544	238.282	-1668.29
247	10	0.0250691	238.283	-1668.04
248	10	0.0300838	238.283	-1667.74

249	10	0.0350997	238.285	-1667.39
250	10	0.0401167	238.286	-1666.99
251	10	0.0451348	238.288	-1666.54
252	10	0.0501541	238.291	-1666.03
253	10	0.0551734	238.294	-1665.48
254	10	0.0601949	238.297	-1664.88
255	10	0.0652187	238.302	-1664.23
256	10	0.0702426	238.307	-1663.53
257	10	0.0752698	238.312	-1662.77
258	10	0.0802981	238.319	-1661.97
259	10	0.0878447	238.326	-1661.09
260	10	0.0928787	238.335	-1660.16
261	10	0.0979139	238.345	-1659.18
262	10	0.102953	238.355	-1658.15
263	10	0.107995	238.367	-1657.07
264	10	0.113039	238.38	-1655.94
265	10	0.118085	238.394	-1654.76
266	10	0.123135	238.409	-1653.53
267	10	0.128189	238.425	-1652.25
268	10	0.133244	238.443	-1650.92
269	10	0.138305	238.462	-1649.53
270	10	0.143367	238.483	-1648.1
271	10	0.148434	238.505	-1646.62
272	10	0.153505	238.528	-1645.08
273	10	0.158579	238.553	-1643.5
274	10	0.163659	238.58	-1641.86
275	10	0.171285	238.61	-1640.15
276	10	0.176374	238.641	-1638.38
277	10	0.181468	238.674	-1636.57
278	10	0.186567	238.708	-1634.7
279	10	0.191671	238.745	-1632.78
280	10	0.196779	238.784	-1630.82
281	10	0.201894	238.825	-1628.8
282	10	0.207012	238.868	-1626.73
283	10	0.212137	238.913	-1624.61
284	10	0.217267	238.96	-1622.43
285	10	0.222403	239.009	-1620.21
286	10	0.227545	239.061	-1617.93
287	10	0.232693	239.115	-1615.61
288	10	0.237847	239.172	-1613.23
289	10	0.243007	239.231	-1610.8
290	10	0.248174	239.292	-1608.32
291	10	0.253347	239.357	-1605.78
292	10	0.26112	239.425	-1603.17
293	10	0.266311	239.496	-1600.51
294	10	0.271509	239.569	-1597.79
295	10	0.276714	239.646	-1595.03
296	10	0.281926	239.725	-1592.21
297	10	0.287147	239.808	-1589.34
298	10	0.292375	239.893	-1586.41
299	10	0.297612	239.982	-1583.44
300	10	0.302855	240.074	-1580.41
301	10	0.308108	240.169	-1577.33
302	10	0.31337	240.267	-1574.19
303	10	0.318639	240.368	-1571.01
304	10	0.323919	240.473	-1567.77
305	10	0.329206	240.582	-1564.48
306	10	0.334503	240.693	-1561.13
307	10	0.33981	240.809	-1557.73
308	10	0.347787	240.93	-1554.25
309	10	0.353118	241.055	-1550.72
310	10	0.358459	241.183	-1547.14
311	10	0.363809	241.315	-1543.5
312	10	0.369171	241.452	-1539.81
313	10	0.374544	241.592	-1536.06
314	10	0.379927	241.736	-1532.26
315	10	0.385321	241.885	-1528.41
316	10	0.390726	242.037	-1524.5
317	10	0.396142	242.194	-1520.54
318	10	0.401571	242.356	-1516.53
319	10	0.40701	242.521	-1512.46
320	10	0.412463	242.691	-1508.33
321	10	0.417928	242.866	-1504.15
322	10	0.423405	243.045	-1499.92
323	10	0.428895	243.229	-1495.63
324	10	0.437153	243.42	-1491.26
325	10	0.442676	243.616	-1486.83
326	10	0.448213	243.817	-1482.35
327	10	0.453763	244.023	-1477.81
328	10	0.459327	244.234	-1473.22
329	10	0.464904	244.45	-1468.57
330	10	0.470498	244.672	-1463.86
331	10	0.476105	244.898	-1459.1
332	10	0.481728	245.13	-1454.29
333	10	0.487364	245.368	-1449.41
334	10	0.493018	245.611	-1444.48

335	10	0.498687	245.86	-1439.5
336	10	0.504372	246.114	-1434.45
337	10	0.510074	246.374	-1429.35
338	10	0.515791	246.64	-1424.19
339	10	0.521527	246.912	-1418.98
340	10	0.530162	247.193	-1413.68
341	10	0.53594	247.481	-1408.32
342	10	0.541736	247.774	-1402.9
343	10	0.547551	248.074	-1397.42
344	10	0.553384	248.38	-1391.89
345	10	0.559237	248.693	-1386.3
346	10	0.565108	249.012	-1380.65
347	10	0.570999	249.338	-1374.94
348	10	0.576911	249.671	-1369.17
349	10	0.582841	250.011	-1363.34
350	10	0.588793	250.357	-1357.45
351	10	0.594766	250.711	-1351.5
352	10	0.60076	251.072	-1345.5
353	10	0.606775	251.44	-1339.43
354	10	0.612813	251.816	-1333.3
355	10	0.618872	252.199	-1327.11
356	10	0.628006	252.593	-1320.83
357	10	0.634124	252.995	-1314.49
358	10	0.640266	253.405	-1308.09
359	10	0.646431	253.823	-1301.62
360	10	0.652622	254.249	-1295.1
361	10	0.658838	254.683	-1288.51
362	10	0.665079	255.125	-1281.86
363	10	0.671346	255.576	-1275.14
364	10	0.677639	256.035	-1268.37
365	10	0.68396	256.503	-1261.53
366	10	0.690309	256.98	-1254.63
367	10	0.696684	257.465	-1247.66
368	10	0.703089	257.959	-1240.63
369	10	0.709522	258.463	-1233.53
370	10	0.715986	258.975	-1226.37
371	10	0.722479	259.497	-1219.15
372	10	0.732275	260.034	-1211.82
373	10	0.738846	260.58	-1204.44
374	10	0.745449	261.135	-1196.98
375	10	0.752084	261.701	-1189.46
376	10	0.758753	262.277	-1181.87
377	10	0.765456	262.863	-1174.22
378	10	0.772193	263.459	-1166.5
379	10	0.778966	264.066	-1158.71
380	10	0.785774	264.683	-1150.85
381	10	0.792618	265.311	-1142.92
382	10	0.7995	265.95	-1134.93
383	10	0.806422	266.601	-1126.86
384	10	0.813379	267.262	-1118.73
385	10	0.820379	267.935	-1110.53
386	10	0.827417	268.62	-1102.25
387	10	0.834498	269.316	-1093.91
388	10	0.841621	270.025	-1085.49
389	10	0.852385	270.751	-1076.97
390	10	0.859618	271.49	-1068.37
391	10	0.866894	272.242	-1059.7
392	10	0.874218	273.006	-1050.96
393	10	0.881587	273.783	-1042.14
394	10	0.889006	274.574	-1033.25
395	10	0.896473	275.377	-1024.29
396	10	0.903992	276.194	-1015.25
397	10	0.911562	277.025	-1006.13
398	10	0.919183	277.87	-996.942
399	10	0.926859	278.729	-987.673
400	10	0.93459	279.603	-978.328
401	10	0.942375	280.491	-968.904
402	10	0.950222	281.394	-959.402
403	10	0.958125	282.312	-949.82
404	10	0.966088	283.245	-940.159
405	10	0.97815	284.202	-930.378
406	10	0.986272	285.175	-920.515
407	10	0.994457	286.164	-910.571
408	10	1.00271	287.169	-900.544
409	10	1.01104	288.191	-890.433
410	10	1.01943	289.23	-880.239
411	10	1.02789	290.287	-869.96
412	10	1.03643	291.361	-859.596
413	10	1.04505	292.453	-849.145
414	10	1.05375	293.564	-838.608
415	10	1.06252	294.693	-827.983
416	10	1.07138	295.84	-817.269
417	10	1.08032	297.008	-806.466
418	10	1.08935	298.194	-795.572
419	10	1.09847	299.401	-784.587
420	10	1.10768	300.628	-773.511

421	10	1.12168	301.886	-762.294
422	10	1 13113	303.165	-750.982
423	10	1.14069	304.467	-739.576
424	10	1 15035	305 79	-728.072
425	10	1.16012	307.136	-716.471
426	10	1.17	308.505	-704.771
427	10	1.18	309.897	-692.971
428	10	1.19012	311.313	-681.07
429	10	1 20036	312.754	-669 066
430	10	1.21073	314.22	-656.959
431	10	1.22123	315.712	-644.747
432	10	1 23187	317.229	-632.428
433	10	1.24264	318.773	-620.001
434	10	1.25357	320.345	-607.466
435	10	1.26464	321.944	-594.819
436	10	1.27588	323.572	-582.061
437	10	1.29303	325.244	-569 13
438	10	1.30469	326.946	-556.083
439	10	1.31652	328.679	-542.918
440	10	1 32854	330.444	-529.633
441	10	1.34075	332.242	-516.225
442	10	1.35317	334.073	-502.694
443	10	1.36581	335 938	-489.035
444	10	1 37866	337 839	-475.249
445	10	1.39175	339.776	-461.331
446	10	1 40507	341.75	-447.281
447	10	1.41865	343.763	-433.094
448	10	1.4325	345.815	-418.769
449	10	1.44663	347.908	-404.303
450	10	1.46106	350.042	-389.692
451	10	1.47579	352.22	-374.934
452	10	1 49085	354.443	-360.026
453	10	1.5141	356.735	-344.885
454	10	1.53007	359.077	-329.584
455	10	1.54643	361.468	-314.12
456	10	1 56322	363.912	-298.488
457	10	1.58047	366.41	-282.683
458	10	1.59819	368.964	-266.701
459	10	1.61644	371.577	-250.537
460	10	1.63524	374.251	-234.184
461	10	1.65463	376.988	-217.638
462	10	1.67466	379.793	-200.891
463	10	1.6954	382.667	-183.937
464	10	1.71688	385.615	-166.769
465	10	1 7392	388 64	-149.377
466	10	1.76241	391.746	-131 752
467	10	1.78661	394.938	-113.886
468	10	1 81191	398.221	-95.7672
469	10	1.85218	401.651	-77.2455
470	10	1.88079	405.189	-58.4376
471	10	1.91103	408.841	-39.3273
472	10	1.94314	412.617	-19.8959
473	10	1 97737	416.527	-0.122233
474	10	2.01409	420 583	20.0187
475	10	2.05375	424.801	40.5562
476	10	2 09693	429.198	61.5255
477	10	2.14441	433.797	82.9696
478	10	2.19728	438.625	104.942
479	10	2.25713	443.719	127.514
480	10	2 32634	449.131	150.777
481	10	2.40892	454.934	174.866
482	10	2 51213	461.245	199.988
483	12	2.65209	468.279	231.813
484	93	2.87815	476.562	499.481

Data Set Standard Deviation = 4.02067
Numerator = 249481
Denominator = 3.72104e+006
W Statistic = 0.0670461 = 249481 / 3.72104e+006

5% Critical value of 0.976 exceeds 0.0670461
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.0670461
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 = 468

	x(i)	m(i)	sum(m^2)	sum(mx)
1	7.1	-2.87815	8.28375	-20.4349
2	10.2	-2.65209	15.3173	-47.4862
3	10.2	-2.51213	21.6281	-73.1099
4	10.4	-2.40892	27.431	-98.1627
5	11 1	-2 32634	32 8429	-123.985
6	11.5	-2.25713	37.9375	-149.942
7	12 5	-2.19728	42.7656	-177 408
8	12.7	-2.12007	47.2603	-204 333
9	13	-2.07485	51.5653	-231.306
10	13.9	-2 03352	55 7005	-259.572
11	14.3	-1.99539	59.6821	-288.106
12	14.4	-1.95996	63.5235	-316.33
13	16.5	-1.92684	67.2362	-348.122
14	17.1	-1.8957	70.8299	-380.539
15	17 9	-1 86629	74.313	-413.945
16	18	-1.82501	77.6436	-446.796
17	19	-1.79912	80.8804	-480.979
18	21.7	-1 77438	84.0288	-519.483
19	25	-1.75069	87.0937	-563.25
20	26.4	-1 72793	90.0795	-608.867
21	28	-1.70604	92.9901	-656.637
22	35	-1.68494	95.8291	-715.609
23	35	-1 65463	98.5669	-773.521
24	37.1	-1.63524	101.241	-834.189
25	39	-1.61644	103.854	-897.23
26	41.2	-1.59819	106.408	-963.075
27	41.2	-1 58047	108.906	-1028.19
28	46.2	-1 56322	111.349	-1100.41
29	48	-1.54643	113.741	-1174.64
30	50.4	-1.53007	116 082	-1251.76
31	53	-1.50626	118.351	-1331 59
32	53	-1.49085	120.574	-1410 6
33	55	-1.47579	122.751	-1491.77
34	59	-1.46106	124.886	-1577.97
35	60	-1.44663	126.979	-1664.77
36	60.3	-1.4325	129.031	-1751.15
37	63.1	-1.41865	131.044	-1840.67
38	65	-1.39838	132.999	-1931 56
39	69.8	-1.38517	134.918	-2028.25
40	70.4	-1.3722	136.801	-2124 85
41	71.6	-1.35946	138.649	-2222.19
42	72	-1.34694	140.463	-2319.17
43	74.4	-1.33462	142 244	-2418.46
44	74.6	-1.32251	143.993	-2517 12
45	79.2	-1 31058	145.711	-2620.92
46	79 7	-1.29303	147.383	-2723.98
47	80	-1.28155	149.025	-2826.5
48	83	-1.27024	150.639	-2931.93
49	86.8	-1 25908	152.224	-3041.22
50	87.6	-1.24809	153 782	-3150.55
51	87.7	-1.23724	155.312	-3259.06
52	88	-1.22653	156.817	-3366.99
53	89	-1.21073	158.283	-3474.74
54	90 7	-1.20036	159.724	-3583.62
55	106	-1.19012	161 14	-3709 77
56	106	-1.18	162.532	-3834.85
57	107	-1.17	163.901	-3960.04
58	107	-1.16012	165.247	-4084.17
59	109	-1.15035	166.57	-4209.56
60	110	-1.14069	167.872	-4335.04
61	112	-1.12639	169.14	-4461.19
62	115	-1 11699	170.388	-4589.65
63	119	-1.10768	171.615	-4721.46
64	120	-1.09847	172 822	-4853.28
65	123	-1.08935	174.008	-4987.27
66	124	-1.08032	175.175	-5121.23
67	125	-1.07138	176.323	-5255.15
68	127	-1.06252	177.452	-5390.09
69	131	-1.04939	178.553	-5527.56
70	132	-1.04073	179.637	-5664.93
71	160	-1.03215	180.702	-5830.08
72	170	-1.02365	181 75	-6004.1
73	183	-1.01522	182 78	-6189.89
74	194	-1.00687	183.794	-6385.22
75	203	-0.998575	184.791	-6587.93
76	218	-0.986272	185.764	-6802.94

77	220	-0.97815	186.721	-7018.13
78	235	-0.970094	187.662	-7246.1
79	241	-0.9621	188.588	-7477.97
80	244	-0.954165	189.498	-7710.78
81	244	-0.946291	190.393	-7941.68
82	245	-0.938476	191.274	-8171.6
83	251	-0.930718	192.14	-8405.21
84	292	-0.919183	192.985	-8673.62
85	296	-0.911562	193.816	-8943.44
86	309	-0.903992	194.633	-9222.77
87	331	-0.896473	195.437	-9519.5
88	339	-0.889006	196.227	-9820.88
89	356	-0.881587	197.005	-10134.7
90	379	-0.874218	197.769	-10466.1
91	386	-0.863249	198.514	-10799.3
92	410	-0.855996	199.247	-11150.2
93	469	-0.848786	199.967	-11548.3
94	485	-0.841621	200.676	-11956.5
95	486	-0.834498	201.372	-12362.1
96	488	-0.827417	202.057	-12765.8
97	500	-0.820379	202.73	-13176
98	500	-0.813379	203.391	-13582.7
99	500	-0.802956	204.036	-13984.2
100	500	-0.796056	204.67	-14382.2
101	500	-0.789191	205.292	-14776.8
102	500	-0.782366	205.905	-15168
103	500	-0.775574	206.506	-15555.8
104	500	-0.768821	207.097	-15940.2
105	500	-0.7621	207.678	-16321.2
106	500	-0.752084	208.244	-16697.3
107	500	-0.745449	208.799	-17070
108	500	-0.738846	209.345	-17439.4
109	500	-0.732275	209.881	-17805.6
110	500	-0.725736	210.408	-18168.4
111	500	-0.719228	210.925	-18528.1
112	500	-0.712751	211.433	-18884.4
113	500	-0.706302	211.932	-19237.6
114	500	-0.696684	212.418	-19585.9
115	500	-0.690309	212.894	-19931.1
116	500	-0.68396	213.362	-20273.1
117	500	-0.677639	213.821	-20611.9
118	500	-0.671346	214.272	-20947.6
119	500	-0.665079	214.714	-21280.1
120	500	-0.658838	215.148	-21609.5
121	500	-0.652622	215.574	-21935.8
122	500	-0.643345	215.988	-22257.5
123	500	-0.637192	216.394	-22576.1
124	500	-0.631062	216.792	-22891.6
125	500	-0.624956	217.183	-23204.1
126	500	-0.618872	217.566	-23513.5
127	500	-0.612813	217.941	-23819.9
128	500	-0.606775	218.31	-24123.3
129	500	-0.597761	218.667	-24422.2
130	500	-0.591776	219.017	-24718.1
131	500	-0.585815	219.36	-25011
132	500	-0.579873	219.697	-25300.9
133	500	-0.573953	220.026	-25587.9
134	500	-0.568052	220.349	-25871.9
135	500	-0.56217	220.665	-26153
136	500	-0.556308	220.974	-26431.2
137	500	-0.547551	221.274	-26705
138	500	-0.541736	221.567	-26975.8
139	500	-0.53594	221.855	-27243.8
140	500	-0.530162	222.136	-27508.9
141	500	-0.524401	222.411	-27771.1
142	500	-0.518658	222.68	-28030.4
143	500	-0.51293	222.943	-28286.9
144	500	-0.504372	223.197	-28539.1
145	500	-0.498687	223.446	-28788.4
146	500	-0.493018	223.689	-29034.9
147	500	-0.487364	223.927	-29278.6
148	500	-0.481728	224.159	-29519.5
149	500	-0.476105	224.385	-29757.5
150	500	-0.470498	224.607	-29992.8
151	500	-0.464904	224.823	-30225.2
152	500	-0.456542	225.031	-30453.5
153	500	-0.450985	225.235	-30679
154	500	-0.445443	225.433	-30901.7
155	500	-0.439913	225.627	-31121.7
156	500	-0.434397	225.815	-31338.9
157	500	-0.428895	225.999	-31553.3
158	500	-0.423405	226.178	-31765
159	500	-0.415193	226.351	-31972.6
160	500	-0.409735	226.519	-32177.5
161	500	-0.40429	226.682	-32379.6
162	500	-0.398855	226.841	-32579

163	500	-0.393433	226.996	-32775.8
164	500	-0.388022	227.147	-32969.8
165	500	-0.382622	227.293	-33161.1
166	500	-0.377233	227.435	-33349.7
167	500	-0.369171	227.572	-33534.3
168	500	-0.363809	227.704	-33716.2
169	500	-0.358459	227.832	-33895.4
170	500	-0.353118	227.957	-34072
171	500	-0.347787	228.078	-34245.9
172	500	-0.342466	228.195	-34417.1
173	500	-0.337155	228.309	-34585.7
174	500	-0.329206	228.417	-34750.3
175	500	-0.323919	228.522	-34912.2
176	500	-0.318639	228.624	-35071.6
177	500	-0.31337	228.722	-35228.2
178	500	-0.308108	228.817	-35382.3
179	500	-0.302855	228.909	-35533.7
180	500	-0.297612	228.997	-35682.5
181	500	-0.292375	229.083	-35828.7
182	500	-0.284535	229.164	-35971
183	500	-0.279319	229.242	-36110.6
184	500	-0.27411	229.317	-36247.7
185	500	-0.268908	229.389	-36382.2
186	500	-0.263715	229.459	-36514
187	500	-0.258527	229.526	-36643.3
188	500	-0.253347	229.59	-36769.9
189	500	-0.248174	229.651	-36894
190	500	-0.240426	229.709	-37014.2
191	500	-0.235269	229.765	-37131.9
192	500	-0.230118	229.818	-37246.9
193	500	-0.224974	229.868	-37359.4
194	500	-0.219834	229.916	-37469.3
195	500	-0.214702	229.963	-37576.7
196	500	-0.209575	230.006	-37681.5
197	500	-0.201894	230.047	-37782.4
198	500	-0.196779	230.086	-37880.8
199	500	-0.191671	230.123	-37976.7
200	500	-0.186567	230.158	-38069.9
201	500	-0.181468	230.19	-38160.7
202	500	-0.176374	230.222	-38248.9
203	500	-0.171285	230.251	-38334.5
204	500	-0.166199	230.279	-38417.6
205	500	-0.158579	230.304	-38496.9
206	500	-0.153505	230.327	-38573.6
207	500	-0.148434	230.349	-38647.9
208	500	-0.143367	230.37	-38719.5
209	500	-0.138305	230.389	-38788.7
210	500	-0.133244	230.407	-38855.3
211	500	-0.128189	230.423	-38919.4
212	500	-0.12061	230.438	-38979.7
213	500	-0.115562	230.451	-39037.5
214	500	-0.110516	230.463	-39092.8
215	500	-0.105474	230.474	-39145.5
216	500	-0.100433	230.484	-39195.7
217	500	-0.0953969	230.494	-39243.4
218	500	-0.0903606	230.502	-39288.6
219	500	-0.0853288	230.509	-39331.3
220	500	-0.0777834	230.515	-39370.1
221	500	-0.0727562	230.52	-39406.5
222	500	-0.0677301	230.525	-39440.4
223	500	-0.0627062	230.529	-39471.7
224	500	-0.0576847	230.532	-39500.6
225	500	-0.0526632	230.535	-39526.9
226	500	-0.0476439	230.537	-39550.7
227	500	-0.0401167	230.539	-39570.8
228	500	-0.0350997	230.54	-39588.3
229	500	-0.0300838	230.541	-39603.4
230	500	-0.0250691	230.542	-39615.9
231	500	-0.0200544	230.542	-39626
232	500	-0.0150408	230.542	-39633.5
233	500	-0.0100272	230.542	-39638.5
234	500	-0.00501359	230.542	-39641
235	500	0.00501359	230.542	-39638.5
236	500	0.0100272	230.542	-39633.5
237	500	0.0150408	230 543	-39626
238	500	0.0200544	230.543	-39615.9
239	500	0.0250691	230.544	-39603.4
240	500	0.0300838	230.545	-39588.3
241	500	0.0350997	230.546	-39570.8
242	500	0.0401167	230.547	-39550.7
243	500	0.0476439	230.55	-39526.9
244	500	0.0526632	230.553	-39500.6
245	500	0.0576847	230.556	-39471.7
246	500	0.0627062	230.56	-39440.4
247	500	0.0677301	230.564	-39406.5
248	500	0.0727562	230.57	-39370.1

249	500	0.0777834	230.576	-39331.3
250	500	0.0853288	230.583	-39288.6
251	500	0.0903606	230.591	-39243.4
252	500	0.0953969	230.6	-39195.7
253	500	0.100433	230.61	-39145.5
254	500	0.105474	230.621	-39092.8
255	500	0.110516	230.634	-39037.5
256	500	0.115562	230.647	-38979.7
257	500	0.12061	230.662	-38919.4
258	500	0.128189	230.678	-38855.3
259	500	0.133244	230.696	-38788.7
260	500	0.138305	230.715	-38719.5
261	500	0.143367	230.735	-38647.9
262	500	0.148434	230.757	-38573.6
263	500	0.153505	230.781	-38496.9
264	500	0.158579	230.806	-38417.6
265	500	0.166199	230.834	-38334.5
266	500	0.171285	230.863	-38248.9
267	500	0.176374	230.894	-38160.7
268	500	0.181468	230.927	-38069.9
269	500	0.186567	230.962	-37976.7
270	500	0.191671	230.999	-37880.8
271	500	0.196779	231.037	-37782.4
272	500	0.201894	231.078	-37681.5
273	500	0.209575	231.122	-37576.7
274	500	0.214702	231.168	-37469.3
275	500	0.219834	231.217	-37359.4
276	500	0.224974	231.267	-37246.9
277	500	0.230118	231.32	-37131.9
278	500	0.235269	231.375	-37014.2
279	500	0.240426	231.433	-36894
280	500	0.248174	231.495	-36769.9
281	500	0.253347	231.559	-36643.3
282	500	0.258527	231.626	-36514
283	500	0.263715	231.695	-36382.2
284	500	0.268908	231.768	-36247.7
285	500	0.27411	231.843	-36110.6
286	500	0.279319	231.921	-35971
287	500	0.284535	232.002	-35828.7
288	500	0.292375	232.087	-35682.5
289	500	0.297612	232.176	-35533.7
290	500	0.302855	232.268	-35382.3
291	500	0.308108	232.363	-35228.2
292	500	0.31337	232.461	-35071.6
293	500	0.318639	232.562	-34912.2
294	500	0.323919	232.667	-34750.3
295	500	0.329206	232.776	-34585.7
296	500	0.337155	232.889	-34417.1
297	500	0.342466	233.007	-34245.9
298	500	0.347787	233.128	-34072
299	500	0.353118	233.252	-33895.4
300	500	0.358459	233.381	-33716.2
301	500	0.363809	233.513	-33534.3
302	500	0.369171	233.649	-33349.7
303	500	0.377233	233.792	-33161.1
304	500	0.382622	233.938	-32969.8
305	500	0.388022	234.089	-32775.8
306	500	0.393433	234.243	-32579
307	500	0.398855	234.403	-32379.6
308	500	0.40429	234.566	-32177.5
309	500	0.409735	234.734	-31972.6
310	500	0.415193	234.906	-31765
311	500	0.423405	235.086	-31553.3
312	500	0.428895	235.269	-31338.9
313	500	0.434397	235.458	-31121.7
314	500	0.439913	235.652	-30901.7
315	500	0.445443	235.85	-30679
316	500	0.450985	236.053	-30453.5
317	500	0.456542	236.262	-30225.2
318	500	0.464904	236.478	-29992.8
319	500	0.470498	236.699	-29757.5
320	500	0.476105	236.926	-29519.5
321	500	0.481728	237.158	-29278.6
322	500	0.487364	237.396	-29034.9
323	500	0.493018	237.639	-28788.4
324	500	0.498687	237.887	-28539.1
325	500	0.504372	238.142	-28286.9
326	500	0.51293	238.405	-28030.4
327	500	0.518658	238.674	-27771.1
328	500	0.524401	238.949	-27508.9
329	500	0.530162	239.23	-27243.8
330	500	0.53594	239.517	-26975.8
331	500	0.541736	239.811	-26705
332	500	0.547551	240.111	-26431.2
333	500	0.556308	240.42	-26153
334	500	0.56217	240.736	-25871.9

335	500	0.568052	241.059	-25587.9
336	500	0.573953	241.388	-25300.9
337	500	0.579873	241.724	-25011
338	500	0.585815	242.068	-24718.1
339	500	0.591776	242.418	-24422.2
340	500	0.597761	242.775	-24123.3
341	500	0.606775	243.143	-23819.9
342	500	0.612813	243.519	-23513.5
343	500	0.618872	243.902	-23204.1
344	500	0.624956	244.292	-22891.6
345	500	0.631062	244.691	-22576.1
346	500	0.637192	245.097	-22257.5
347	500	0.643345	245.511	-21935.8
348	500	0.652622	245.936	-21609.5
349	500	0.658838	246.371	-21280.1
350	500	0.665079	246.813	-20947.6
351	500	0.671346	247.264	-20611.9
352	500	0.677639	247.723	-20273.1
353	500	0.68396	248.191	-19931.1
354	500	0.690309	248.667	-19585.9
355	500	0.696684	249.152	-19237.6
356	500	0.706302	249.651	-18884.4
357	500	0.712751	250.159	-18528.1
358	500	0.719228	250.677	-18168.4
359	500	0.725736	251.203	-17805.6
360	500	0.732275	251.74	-17439.4
361	500	0.738846	252.285	-17070
362	500	0.745449	252.841	-16697.3
363	500	0.752084	253.407	-16321.2
364	500	0.7621	253.988	-15940.2
365	500	0.768821	254.579	-15555.8
366	500	0.775574	255.18	-15168
367	500	0.782366	255.792	-14776.8
368	500	0.789191	256.415	-14382.2
369	500	0.796056	257.049	-13984.2
370	500	0.802956	257.693	-13582.7
371	500	0.813379	258.355	-13176
372	500	0.820379	259.028	-12765.8
373	500	0.827417	259.713	-12352.1
374	500	0.834498	260.409	-11934.9
375	500	0.841621	261.117	-11514.1
376	500	0.848786	261.838	-11089.7
377	500	0.855996	262.571	-10661.7
378	500	0.863249	263.316	-10230.1
379	500	0.874218	264.08	-9792.94
380	500	0.881587	264.857	-9352.15
381	500	0.889006	265.648	-8907.65
382	500	0.896473	266.451	-8459.41
383	500	0.903992	267.268	-8007.41
384	500	0.911562	268.099	-7551.63
385	500	0.919183	268.944	-7092.04
386	500	0.930718	269.811	-6626.68
387	500	0.938476	270.691	-6157.45
388	500	0.946291	271.587	-5684.3
389	500	0.954165	272.497	-5207.22
390	500	0.9621	273.423	-4726.17
391	500	0.970094	274.364	-4241.12
392	500	0.97815	275.321	-3752.05
393	500	0.986272	276.293	-3258.91
394	500	0.998575	277.291	-2759.62
395	500	1.00687	278.304	-2256.19
396	500	1.01522	279.335	-1748.58
397	500	1.02365	280.383	-1236.75
398	500	1.03215	281.448	-720.676
399	500	1.04073	282.531	-200.309
400	500	1.04939	283.633	324.384
401	500	1.06252	284.761	855.643
402	500	1.07138	285.909	1391.33
403	500	1.08032	287.076	1931.49
404	500	1.08935	288.263	2476.17
405	500	1.09847	289.47	3025.4
406	500	1.10768	290.697	3579.24
407	500	1.11699	291.944	4137.74
408	500	1.12639	293.213	4700.93
409	500	1.14069	294.514	5271.28
410	500	1.15035	295.838	5846.45
411	500	1.16012	297.183	6426.51
412	500	1.17	298.552	7011.51
413	500	1.18	299.945	7601.51
414	500	1.19012	301.361	8196.57
415	500	1.20036	302.802	8796.75
416	500	1.21073	304.268	9402.12
417	500	1.22653	305.772	10015.4
418	500	1.23724	307.303	10634
419	500	1.24809	308.861	11258
420	500	1.25908	310.446	11887.6

421	500	1.27024	312.06	12522 7
422	500	1.28155	313.702	13163.5
423	500	1.29303	315.374	13810
424	500	1.31058	317.091	14465.3
425	500	1.32251	318.84	15126.5
426	500	1.33462	320.622	15793.8
427	500	1.34694	322.436	16467.3
428	500	1.35946	324.284	17147
429	500	1 3722	326.167	17833 2
430	500	1.38517	328.086	18525.7
431	500	1.39838	330.041	19224.9
432	500	1.41865	332.054	19934.3
433	500	1.4325	334.106	20650.5
434	500	1.44663	336.199	21373.8
435	500	1.46106	338.333	22104.3
436	500	1.47579	340.511	22842 2
437	500	1.49085	342 734	23587.7
438	500	1.50626	345.003	24340.8
439	526	1.53007	347.344	25145.6
440	532	1.54643	349.735	25968.3
441	552	1.56322	352.179	26831.2
442	558	1.58047	354.677	27713 1
443	560	1.59819	357.231	28608.1
444	567	1.61644	359.844	29524.6
445	570	1.63524	362.518	30456.7
446	570	1.65463	365.256	31399.8
447	575	1 68494	368.095	32368.7
448	580	1.70604	371.005	33358.2
449	600	1 72793	373.991	34394.9
450	600	1.75069	377.056	35445.4
451	603	1 77438	380.204	36515 3
452	620	1.79912	383.441	37630.8
453	640	1 82501	386.772	38798.8
454	650	1.86629	390.255	40011.9
455	658	1.8957	393.848	41259 2
456	658	1.92684	397.561	42527.1
457	680	1.95996	401.403	43859.9
458	700	1.99539	405.384	45256.6
459	704	2 03352	409.519	46688.2
460	723	2.07485	413.824	48188.3
461	730	2.12007	418.319	49736
462	870	2.19728	423.147	51647.6
463	878	2.25713	428.242	53629.4
464	1000	2.32634	433.654	55955.7
465	1010	2 40892	439.457	58388.7
466	1200	2.51213	445.767	61403.3
467	1300	2.65209	452.801	64851
468	2880	2.87815	461.085	73140.1

Data Set Standard Deviation = 213.026
Numerator = 5.34947e+009
Denominator = 9.77154e+009
W Statistic = 0.547455 = 5.34947e+009 / 9.77154e+009

5% Critical value of 0.975 exceeds 0.547455
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.547455
Evidence of non-normality at 99% level of significance

Shapiro-Francia Test of Normality

Parameter: Chromium
All Locations
Normality Test of Parameter Concentrations
Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit
Total Number of Measurements = 468

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	0 7	-2 87815	8.28375	-2.01471
2	0.8	-2.65209	15.3173	-4.13637
3	0.9	-2.51213	21.6281	-6.39729
4	1 05	-2.40892	27.431	-8.92667
5	1.51	-2.32634	32 8429	-12.4394
6	1 6	-2.25713	37.9375	-16 0508
7	1.9	-2 19728	42.7656	-20.2257
8	1 93	-2.12007	47.2603	-24 3174
9	2 24	-2 07485	51.5653	-28.9651
10	2.24	-2.03352	55.7005	-33.5202
11	2.29	-1.99539	59.6821	-38 0896
12	2 4	-1.95996	63.5235	-42.7935
13	2.4	-1.92684	67.2362	-47.4179
14	2.8	-1.8957	70.8299	-52.7259
15	3	-1.86629	74 313	-58.3248
16	3	-1.82501	77.6436	-63.7998
17	3.3	-1.79912	80.8804	-69.7369
18	3.55	-1 77438	84 0288	-76.0359
19	3.6	-1.75069	87.0937	-82.3384
20	3.69	-1 72793	90.0795	-88.7144
21	3.77	-1.70604	92.9901	-95.1462
22	5	-1.68494	95.8291	-103.571
23	5.25	-1.65463	98.5669	-112 258
24	5.32	-1.63524	101.241	-120.957
25	5.9	-1.61644	103.854	-130.494
26	6	-1.59819	106 408	-140.083
27	6.7	-1.58047	108.906	-150.672
28	6.9	-1.56322	111 349	-161.459
29	6.9	-1.54643	113 741	-172.129
30	7	-1.53007	116.082	-182.839
31	9	-1.50626	118.351	-196.396
32	9 4	-1.49085	120.574	-210.41
33	10	-1.47579	122.751	-225.168
34	10	-1.46106	124.886	-239 778
35	10	-1.44663	126.979	-254.245
36	10	-1.4325	129.031	-268.57
37	10	-1.41865	131.044	-282.756
38	10	-1.39838	132.999	-296.74
39	10	-1.38517	134.918	-310.592
40	10	-1.3722	136.801	-324.314
41	10	-1 35946	138.649	-337.908
42	10	-1.34694	140.463	-351 378
43	10	-1.33462	142.244	-364.724
44	10	-1.32251	143.993	-377.949
45	10	-1 31058	145.711	-391.055
46	10	-1.29303	147.383	-403.985
47	10	-1.28155	149.025	-416.801
48	10	-1.27024	150.639	-429.503
49	10	-1.25908	152 224	-442.094
50	10	-1.24809	153.782	-454.575
51	10	-1.23724	155.312	-466.947
52	10	-1.22653	156.817	-479 212
53	10	-1.21073	158.283	-491 32
54	10	-1 20036	159.724	-503.323
55	10	-1.19012	161 14	-515.224
56	10	-1.18	162 532	-527.024
57	10	-1.17	163.901	-538.724
58	10	-1.16012	165 247	-550.326
59	10	-1 15035	166.57	-561.829
60	10	-1.14069	167.872	-573.236
61	10	-1 12639	169.14	-584.5
62	10	-1.11699	170 388	-595.67
63	10	-1.10768	171 615	-606.747
64	10	-1 09847	172 822	-617.731
65	10	-1 08935	174.008	-628 625
66	10	-1.08032	175.175	-639.428
67	10	-1.07138	176.323	-650 142
68	10	-1.06252	177.452	-660.767
69	10	-1 04939	178.553	-671.261
70	10	-1.04073	179.637	-681.668
71	10	-1.03215	180.702	-691.99
72	10	-1.02365	181 75	-702.226
73	10	-1.01522	182.78	-712.378
74	10	-1 00687	183.794	-722.447
75	10	-0.998575	184.791	-732 433
76	10	-0 986272	185 764	-742.296

77	10	-0.97815	186.721	-752.077
78	10	-0.970094	187.662	-761.778
79	10	-0.9621	188.588	-771.399
80	10	-0.954165	189.498	-780.941
81	10	-0.946291	190.393	-790.404
82	10	-0.938476	191.274	-799.788
83	10	-0.930718	192.14	-809.096
84	10	-0.919183	192.985	-818.287
85	10	-0.911562	193.816	-827.403
86	10	-0.903992	194.633	-836.443
87	10	-0.896473	195.437	-845.408
88	10	-0.889006	196.227	-854.298
89	10	-0.881587	197.005	-863.114
90	10	-0.874218	197.769	-871.856
91	10	-0.863249	198.514	-880.488
92	10	-0.855996	199.247	-889.048
93	10	-0.848786	199.967	-897.536
94	10	-0.841621	200.676	-905.952
95	10	-0.834498	201.372	-914.297
96	10	-0.827417	202.057	-922.571
97	10	-0.820379	202.73	-930.775
98	10	-0.813379	203.391	-938.909
99	10	-0.802956	204.036	-946.939
100	10	-0.796056	204.67	-954.899
101	10	-0.789191	205.292	-962.791
102	10	-0.782366	205.905	-970.615
103	10	-0.775574	206.506	-978.37
104	10	-0.768821	207.097	-986.059
105	10	-0.7621	207.678	-993.68
106	10	-0.752084	208.244	-1001.2
107	10	-0.745449	208.799	-1008.65
108	10	-0.738846	209.345	-1016.04
109	10	-0.732275	209.881	-1023.37
110	10	-0.725736	210.408	-1030.62
111	10	-0.719228	210.925	-1037.82
112	10	-0.712751	211.433	-1044.94
113	10	-0.706302	211.932	-1052.01
114	10	-0.696684	212.418	-1058.97
115	10	-0.690309	212.894	-1065.88
116	10	-0.68396	213.362	-1072.72
117	10	-0.677639	213.821	-1079.49
118	10	-0.671346	214.272	-1086.21
119	10	-0.665079	214.714	-1092.86
120	10	-0.658838	215.148	-1099.44
121	10	-0.652622	215.574	-1105.97
122	10	-0.643345	215.988	-1112.4
123	10	-0.637192	216.394	-1118.78
124	10	-0.631062	216.792	-1125.09
125	10	-0.624956	217.183	-1131.34
126	10	-0.618872	217.566	-1137.53
127	10	-0.612813	217.941	-1143.65
128	10	-0.606775	218.31	-1149.72
129	10	-0.597761	218.667	-1155.7
130	10	-0.591776	219.017	-1161.62
131	10	-0.585815	219.36	-1167.47
132	10	-0.579873	219.697	-1173.27
133	10	-0.573953	220.026	-1179.01
134	10	-0.568052	220.349	-1184.69
135	10	-0.56217	220.665	-1190.32
136	10	-0.556308	220.974	-1195.88
137	10	-0.547551	221.274	-1201.35
138	10	-0.541736	221.567	-1206.77
139	10	-0.53594	221.855	-1212.13
140	10	-0.530162	222.136	-1217.43
141	10	-0.524401	222.411	-1222.68
142	10	-0.518658	222.68	-1227.86
143	10	-0.51293	222.943	-1232.99
144	10	-0.504372	223.197	-1238.04
145	10	-0.498687	223.446	-1243.02
146	10	-0.493018	223.689	-1247.95
147	10	-0.487364	223.927	-1252.83
148	10	-0.481728	224.159	-1257.64
149	10	-0.476105	224.385	-1262.4
150	10	-0.470498	224.607	-1267.11
151	10	-0.464904	224.823	-1271.76
152	10	-0.456542	225.031	-1276.32
153	10	-0.450985	225.235	-1280.83
154	10	-0.445443	225.433	-1285.29
155	10	-0.439913	225.627	-1289.69
156	10	-0.434397	225.815	-1294.03
157	10	-0.428895	225.999	-1298.32
158	10	-0.423405	226.178	-1302.55
159	10	-0.415193	226.351	-1306.71
160	10	-0.409735	226.519	-1310.8
161	10	-0.40429	226.682	-1314.85
162	10	-0.398855	226.841	-1318.84

163	10	-0.393433	226.996	-1322.77
164	10	-0.388022	227.147	-1326.65
165	10	-0.382622	227.293	-1330.48
166	10	-0.377233	227.435	-1334.25
167	10	-0.369171	227.572	-1337.94
168	10	-0.363809	227.704	-1341.58
169	10	-0.358459	227.832	-1345.16
170	10	-0.353118	227.957	-1348.69
171	10	-0.347787	228.078	-1352.17
172	10	-0.342466	228.195	-1355.6
173	10	-0.337155	228.309	-1358.97
174	10	-0.329206	228.417	-1362.26
175	10	-0.323919	228.522	-1365.5
176	10	-0.318639	228.624	-1368.69
177	10	-0.31337	228.722	-1371.82
178	10	-0.308108	228.817	-1374.9
179	10	-0.302855	228.909	-1377.93
180	10	-0.297612	228.997	-1380.91
181	10	-0.292375	229.083	-1383.83
182	10	-0.284535	229.164	-1386.67
183	10	-0.279319	229.242	-1389.47
184	10	-0.27411	229.317	-1392.21
185	10	-0.268908	229.389	-1394.9
186	10	-0.263715	229.459	-1397.53
187	10	-0.258527	229.526	-1400.12
188	10	-0.253347	229.59	-1402.65
189	10	-0.248174	229.651	-1405.14
190	10	-0.240426	229.709	-1407.54
191	10	-0.235269	229.765	-1409.89
192	10	-0.230118	229.818	-1412.19
193	10	-0.224974	229.868	-1414.44
194	10	-0.219834	229.916	-1416.64
195	10	-0.214702	229.963	-1418.79
196	10	-0.209575	230.006	-1420.88
197	10	-0.201894	230.047	-1422.9
198	10	-0.196779	230.086	-1424.87
199	10	-0.191671	230.123	-1426.79
200	10	-0.186567	230.158	-1428.65
201	10	-0.181468	230.19	-1430.47
202	10	-0.176374	230.222	-1432.23
203	10	-0.171285	230.251	-1433.94
204	10	-0.166199	230.279	-1435.61
205	10	-0.158579	230.304	-1437.19
206	10	-0.153505	230.327	-1438.73
207	10	-0.148434	230.349	-1440.21
208	10	-0.143367	230.37	-1441.65
209	10	-0.138305	230.389	-1443.03
210	10	-0.133244	230.407	-1444.36
211	10	-0.128189	230.423	-1445.64
212	10	-0.12061	230.438	-1446.85
213	10	-0.115562	230.451	-1448
214	10	-0.110516	230.463	-1449.11
215	10	-0.105474	230.474	-1450.16
216	10	-0.100433	230.484	-1451.17
217	10	-0.0953969	230.494	-1452.12
218	10	-0.0903606	230.502	-1453.03
219	10	-0.0853288	230.509	-1453.88
220	10	-0.0777834	230.515	-1454.66
221	10	-0.0727562	230.52	-1455.39
222	10	-0.0677301	230.525	-1456.06
223	10	-0.0627062	230.529	-1456.69
224	10	-0.0576847	230.532	-1457.27
225	10	-0.0526632	230.535	-1457.79
226	10	-0.0476439	230.537	-1458.27
227	10	-0.0401167	230.539	-1458.67
228	10	-0.0350997	230.54	-1459.02
229	10	-0.0300838	230.541	-1459.32
230	10	-0.0250691	230.542	-1459.57
231	10	-0.0200544	230.542	-1459.77
232	10	-0.0150408	230.542	-1459.92
233	10	-0.0100272	230.542	-1460.02
234	10	-0.00501359	230.542	-1460.07
235	10	0.00501359	230.542	-1460.02
236	10	0.0100272	230.542	-1459.92
237	10	0.0150408	230.543	-1459.77
238	10	0.0200544	230.543	-1459.57
239	10	0.0250691	230.544	-1459.32
240	10	0.0300838	230.545	-1459.02
241	10	0.0350997	230.546	-1458.67
242	10	0.0401167	230.547	-1458.27
243	10	0.0476439	230.55	-1457.79
244	10	0.0526632	230.553	-1457.27
245	10	0.0576847	230.556	-1456.69
246	10	0.0627062	230.56	-1456.06
247	10	0.0677301	230.564	-1455.39
248	10	0.0727562	230.57	-1454.66

249	10	0.0777834	230.576	-1453.88
250	10	0.0853288	230.583	-1453.03
251	10	0.0903606	230.591	-1452.12
252	10	0.0953969	230.6	-1451.17
253	10	0.100433	230.61	-1450.16
254	10	0.105474	230.621	-1449.11
255	10	0.110516	230.634	-1448
256	10	0.115562	230.647	-1446.85
257	10	0.12061	230.662	-1445.64
258	10	0.128189	230.678	-1444.36
259	10	0.133244	230.696	-1443.03
260	10	0.138305	230.715	-1441.65
261	10	0.143367	230.735	-1440.21
262	10	0.148434	230.757	-1438.73
263	10	0.153505	230.781	-1437.19
264	10	0.158579	230.806	-1435.61
265	10	0.166199	230.834	-1433.94
266	10	0.171285	230.863	-1432.23
267	10	0.176374	230.894	-1430.47
268	10	0.181468	230.927	-1428.65
269	10	0.186567	230.962	-1426.79
270	10	0.191671	230.999	-1424.87
271	10	0.196779	231.037	-1422.9
272	10	0.201894	231.078	-1420.88
273	10	0.209575	231.122	-1418.79
274	10	0.214702	231.168	-1416.64
275	10	0.219834	231.217	-1414.44
276	10	0.224974	231.267	-1412.19
277	10	0.230118	231.32	-1409.89
278	10	0.235269	231.375	-1407.54
279	10	0.240426	231.433	-1405.14
280	10	0.248174	231.495	-1402.65
281	10	0.253347	231.559	-1400.12
282	10	0.258527	231.626	-1397.53
283	10	0.263715	231.695	-1394.9
284	10	0.268908	231.768	-1392.21
285	10	0.27411	231.843	-1389.47
286	10	0.279319	231.921	-1386.67
287	10	0.284535	232.002	-1383.83
288	10	0.292375	232.087	-1380.91
289	10	0.297612	232.176	-1377.93
290	10	0.302855	232.268	-1374.9
291	10	0.308108	232.363	-1371.82
292	10	0.31337	232.461	-1368.69
293	10	0.318639	232.562	-1365.5
294	10	0.323919	232.667	-1362.26
295	10	0.329206	232.776	-1358.97
296	10	0.337155	232.889	-1355.6
297	10	0.342466	233.007	-1352.17
298	10	0.347787	233.128	-1348.69
299	10	0.353118	233.252	-1345.16
300	10	0.358459	233.381	-1341.58
301	10	0.363809	233.513	-1337.94
302	10	0.369171	233.649	-1334.25
303	10	0.377233	233.792	-1330.48
304	10	0.382622	233.938	-1326.65
305	10	0.388022	234.089	-1322.77
306	10	0.393433	234.243	-1318.84
307	10	0.398855	234.403	-1314.85
308	10	0.40429	234.566	-1310.8
309	10	0.409735	234.734	-1306.71
310	10	0.415193	234.906	-1302.55
311	10	0.423405	235.086	-1298.32
312	10	0.428895	235.269	-1294.03
313	10	0.434397	235.458	-1289.69
314	10	0.439913	235.652	-1285.29
315	10	0.445443	235.85	-1280.83
316	10	0.450985	236.053	-1276.32
317	10	0.456542	236.262	-1271.76
318	10	0.464904	236.478	-1267.11
319	10	0.470498	236.699	-1262.4
320	10	0.476105	236.926	-1257.64
321	10	0.481728	237.158	-1252.83
322	10	0.487364	237.396	-1247.95
323	10	0.493018	237.639	-1243.02
324	10	0.498687	237.887	-1238.04
325	10	0.504372	238.142	-1232.99
326	10	0.51293	238.405	-1227.86
327	10	0.518658	238.674	-1222.68
328	10	0.524401	238.949	-1217.43
329	10	0.530162	239.23	-1212.13
330	10	0.53594	239.517	-1206.77
331	10	0.541736	239.811	-1201.35
332	10	0.547551	240.111	-1195.88
333	10	0.556308	240.42	-1190.32
334	10	0.56217	240.736	-1184.69

335	10	0.568052	241.059	-1179.01
336	10	0.573953	241.388	-1173.27
337	10	0.579873	241.724	-1167.47
338	10	0.585815	242.068	-1161.62
339	10	0.591776	242.418	-1155.7
340	10	0.597761	242.775	-1149.72
341	10	0.606775	243.143	-1143.65
342	10	0.612813	243.519	-1137.53
343	10	0.618872	243.902	-1131.34
344	10	0.624956	244.292	-1125.09
345	10	0.631062	244.691	-1118.78
346	10	0.637192	245.097	-1112.4
347	10	0.643345	245.511	-1105.97
348	10	0.652622	245.936	-1099.44
349	10	0.658838	246.371	-1092.86
350	10	0.665079	246.813	-1086.21
351	10	0.671346	247.264	-1079.49
352	10	0.677639	247.723	-1072.72
353	10	0.68396	248.191	-1065.88
354	10	0.690309	248.667	-1058.97
355	10	0.696684	249.152	-1052.01
356	10	0.706302	249.651	-1044.94
357	10	0.712751	250.159	-1037.82
358	10	0.719228	250.677	-1030.62
359	10	0.725736	251.203	-1023.37
360	10	0.732275	251.74	-1016.04
361	10	0.738846	252.285	-1008.65
362	10	0.745449	252.841	-1001.2
363	10	0.752084	253.407	-993.68
364	10	0.7621	253.988	-986.059
365	10	0.768821	254.579	-978.37
366	10	0.775574	255.18	-970.615
367	10	0.782366	255.792	-962.791
368	10	0.789191	256.415	-954.899
369	10	0.796056	257.049	-946.939
370	10	0.802956	257.693	-938.909
371	10	0.813379	258.355	-930.775
372	10	0.820379	259.028	-922.571
373	10	0.827417	259.713	-914.297
374	10	0.834498	260.409	-905.952
375	10	0.841621	261.117	-897.536
376	10	0.848786	261.838	-889.048
377	10	0.855996	262.571	-880.488
378	10	0.863249	263.316	-871.856
379	10	0.874218	264.08	-863.114
380	10	0.881587	264.857	-854.298
381	10	0.889006	265.648	-845.408
382	10	0.896473	266.451	-836.443
383	10	0.903992	267.268	-827.403
384	10	0.911562	268.099	-818.287
385	10	0.919183	268.944	-809.096
386	10	0.930718	269.811	-799.788
387	10	0.938476	270.691	-790.404
388	11	0.946291	271.587	-779.994
389	11	0.954165	272.497	-769.499
390	11	0.9621	273.423	-758.915
391	11	0.970094	274.364	-748.244
392	12	0.97815	275.321	-736.507
393	12	0.986272	276.293	-724.671
394	12	0.998575	277.291	-712.688
395	12	1.00687	278.304	-700.606
396	12.2	1.01522	279.335	-688.22
397	13	1.02365	280.383	-674.913
398	13	1.03215	281.448	-661.495
399	13	1.04073	282.531	-647.965
400	13	1.04939	283.633	-634.323
401	13	1.06252	284.761	-620.511
402	13	1.07138	285.909	-606.583
403	13	1.08032	287.076	-592.539
404	13	1.08935	288.263	-578.377
405	13	1.09847	289.47	-564.097
406	14	1.10768	290.697	-548.589
407	14	1.11699	291.944	-532.952
408	14	1.12639	293.213	-517.182
409	14.2	1.14069	294.514	-500.984
410	15	1.15035	295.838	-483.729
411	15.1	1.16012	297.183	-466.211
412	16	1.17	298.552	-447.491
413	16	1.18	299.945	-428.611
414	16.3	1.19012	301.361	-409.212
415	17	1.20036	302.802	-388.806
416	18	1.21073	304.268	-367.013
417	19	1.22653	305.772	-343.709
418	20	1.23724	307.303	-318.964
419	20	1.24809	308.861	-294.003
420	20	1.25908	310.446	-268.821

421	20	1.27024	312.06	-243 416
422	20	1.28155	313.702	-217.785
423	21	1.29303	315.374	-190.631
424	22	1.31058	317.091	-161 799
425	23	1.32251	318.84	-131.381
426	23	1 33462	320.622	-100.685
427	23	1.34694	322.436	-69.7051
428	23.7	1.35946	324.284	-37.4859
429	24.7	1.3722	326.167	-3.5924
430	25	1.38517	328.086	31.0369
431	25	1 39838	330.041	65.9963
432	28	1.41865	332.054	105.719
433	28	1.4325	334.106	145.829
434	29	1.44663	336.199	187.781
435	29	1.46106	338.333	230.152
436	29	1.47579	340.511	272.95
437	30	1 49085	342.734	317.675
438	32	1.50626	345 003	365.876
439	32	1 53007	347.344	414.838
440	32	1.54643	349.735	464.323
441	32	1.56322	352.179	514 347
442	33	1.58047	354.677	566.502
443	33	1.59819	357.231	619.242
444	36	1.61644	359.844	677.434
445	36	1.63524	362.518	736.302
446	36	1.65463	365.256	795.869
447	38	1.68494	368.095	859.897
448	41	1.70604	371.005	929.844
449	41	1.72793	373.991	1000.69
450	42	1 75069	377.056	1074.22
451	45	1 77438	380.204	1154 07
452	47	1.79912	383.441	1238.62
453	48	1.82501	386.772	1326.22
454	51	1.86629	390.255	1421.41
455	51	1.8957	393.848	1518.09
456	53	1 92684	397.561	1620.21
457	54	1.95996	401.403	1726.05
458	59	1.99539	405.384	1843.77
459	60	2.03352	409.519	1965.79
460	61	2.07485	413.824	2092.35
461	61	2.12007	418.319	2221.68
462	68 7	2 19728	423.147	2372.63
463	75	2 25713	428.242	2541.91
464	94	2.32634	433.654	2760.59
465	118	2.40892	439.457	3044.84
466	140	2.51213	445.767	3396.54
467	210	2.65209	452.801	3953.48
468	260	2.87815	461.085	4701 8

Data Set Standard Deviation = 19 3172
Numerator = 2 21069e+007
Denominator = 8.03501e+007
W Statistic = 0.275132 = 2.21069e+007 / 8.03501e+007

5% Critical value of 0.976 exceeds 0.275132
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.275132
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 = 468

.	x(i)	m(i)	sum(m^2)	sum(mx)
1	1 1	-2.87815	8 28375	-3.16597
2	1.2	-2 65209	15.3173	-6.34847
3	1.3	-2.51213	21.6281	-9.61424
4	1.46	-2 40892	27 431	-13.1313
5	2.1	-2 32634	32.8429	-18.0166
6	2 11	-2.25713	37.9375	-22.7791
7	2 3	-2.19728	42 7656	-27 8329
8	3	-2.12007	47.2603	-34 1931
9	3	-2.07485	51.5653	-40.4176
10	3	-2.03352	55.7005	-46.5182
11	3	-1.99539	59.6821	-52.5044
12	4	-1.95996	63.5235	-60 3442
13	4.1	-1.92684	67.2362	-68.2443
14	4 3	-1.8957	70.8299	-76.3958
15	4.4	-1.86629	74 313	-84.6074
16	5.3	-1 82501	77.6436	-94.28
17	6	-1 79912	80.8804	-105 075
18	7	-1.77438	84.0288	-117.495
19	7	-1 75069	87.0937	-129.75
20	7	-1.72793	90.0795	-141.846
21	8	-1.70604	92.9901	-155.494
22	8.21	-1.68494	95.8291	-169.327
23	9	-1.65463	98.5669	-184.219
24	10	-1.63524	101.241	-200.571
25	10	-1.61644	103.854	-216.736
26	10	-1.59819	106.408	-232.718
27	10	-1 58047	108.906	-248.522
28	10	-1 56322	111.349	-264.154
29	10	-1.54643	113.741	-279.619
30	10	-1 53007	116.082	-294.919
31	10	-1.50626	118.351	-309.982
32	10	-1.49085	120.574	-324.891
33	10	-1.47579	122 751	-339.648
34	10	-1.46106	124.886	-354 259
35	10	-1.44663	126.979	-368.725
36	10	-1.4325	129.031	-383.05
37	10	-1.41865	131.044	-397.237
38	10	-1.39838	132.999	-411.221
39	10	-1.38517	134.918	-425.072
40	10	-1.3722	136.801	-438.794
41	10	-1.35946	138 649	-452 389
42	10	-1.34694	140.463	-465.858
43	10	-1.33462	142.244	-479.205
44	10	-1 32251	143.993	-492 43
45	10	-1.31058	145.711	-505.536
46	10	-1 29303	147.383	-518.466
47	10	-1.28155	149 025	-531.281
48	10	-1.27024	150.639	-543.984
49	10	-1.25908	152.224	-556.575
50	10	-1.24809	153.782	-569 055
51	10	-1.23724	155.312	-581.428
52	10	-1.22653	156.817	-593.693
53	10	-1.21073	158.283	-605.8
54	10	-1.20036	159.724	-617.804
55	10	-1 19012	161.14	-629.705
56	10	-1.18	162.532	-641.505
57	10	-1.17	163.901	-653.205
58	10	-1 16012	165.247	-664.806
59	10	-1.15035	166 57	-676.31
60	10	-1 14069	167.872	-687 717
61	10	-1.12639	169.14	-698.981
62	10	-1 11699	170.388	-710.151
63	10	-1.10768	171 615	-721.227
64	10	-1.09847	172.822	-732.212
65	10	-1 08935	174.008	-743.106
66	10	-1.08032	175.175	-753.909
67	10	-1.07138	176.323	-764.623
68	10	-1 06252	177.452	-775.248
69	10	-1.04939	178.553	-785.742
70	10	-1.04073	179.637	-796 149
71	10	-1 03215	180 702	-806.47
72	10	-1.02365	181.75	-816.707
73	10	-1 01522	182 78	-826.859
74	10	-1.00687	183.794	-836.928
75	10	-0.998575	184.791	-846.914
76	10	-0.986272	185.764	-856 776

77	10	-0.97815	186.721	-866.558
78	10	-0.970094	187.662	-876.259
79	10	-0.9621	188.588	-885.88
80	10	-0.954165	189.498	-895.421
81	10	-0.946291	190.393	-904.884
82	10	-0.938476	191.274	-914.269
83	10	-0.930718	192.14	-923.576
84	10	-0.919183	192.985	-932.768
85	10	-0.911562	193.816	-941.884
86	10	-0.903992	194.633	-950.924
87	10	-0.896473	195.437	-959.888
88	10	-0.889006	196.227	-968.778
89	10	-0.881587	197.005	-977.594
90	10	-0.874218	197.769	-986.336
91	10	-0.863249	198.514	-994.969
92	10	-0.855996	199.247	-1003.53
93	10	-0.848786	199.967	-1012.02
94	10	-0.841621	200.676	-1020.43
95	10	-0.834498	201.372	-1028.78
96	10	-0.827417	202.057	-1037.05
97	10	-0.820379	202.73	-1045.26
98	10	-0.813379	203.391	-1053.39
99	10	-0.802956	204.036	-1061.42
100	10	-0.796056	204.67	-1069.38
101	10	-0.789191	205.292	-1077.27
102	10	-0.782366	205.905	-1085.1
103	10	-0.775574	206.506	-1092.85
104	10	-0.768821	207.097	-1100.54
105	10	-0.7621	207.678	-1108.16
106	10	-0.752084	208.244	-1115.68
107	10	-0.745449	208.799	-1123.14
108	10	-0.738846	209.345	-1130.52
109	10	-0.732275	209.881	-1137.85
110	10	-0.725736	210.408	-1145.1
111	10	-0.719228	210.925	-1152.3
112	10	-0.712751	211.433	-1159.42
113	10	-0.706302	211.932	-1166.49
114	10	-0.696684	212.418	-1173.45
115	10	-0.690309	212.894	-1180.36
116	10	-0.68396	213.362	-1187.2
117	10	-0.677639	213.821	-1193.97
118	10	-0.671346	214.272	-1200.69
119	10	-0.665079	214.714	-1207.34
120	10	-0.658838	215.148	-1213.93
121	10	-0.652622	215.574	-1220.45
122	10	-0.643345	215.988	-1226.89
123	10	-0.637192	216.394	-1233.26
124	10	-0.631062	216.792	-1239.57
125	10	-0.624956	217.183	-1245.82
126	10	-0.618872	217.566	-1252.01
127	10	-0.612813	217.941	-1258.13
128	10	-0.606775	218.31	-1264.2
129	10	-0.597761	218.667	-1270.18
130	10	-0.591776	219.017	-1276.1
131	10	-0.585815	219.36	-1281.96
132	10	-0.579873	219.697	-1287.75
133	10	-0.573953	220.026	-1293.49
134	10	-0.568052	220.349	-1299.17
135	10	-0.56217	220.665	-1304.8
136	10	-0.556308	220.974	-1310.36
137	10	-0.547551	221.274	-1315.83
138	10	-0.541736	221.567	-1321.25
139	10	-0.53594	221.855	-1326.61
140	10	-0.530162	222.136	-1331.91
141	10	-0.524401	222.411	-1337.16
142	10	-0.518658	222.68	-1342.34
143	10	-0.51293	222.943	-1347.47
144	10	-0.504372	223.197	-1352.52
145	10	-0.498687	223.446	-1357.5
146	10	-0.493018	223.689	-1362.43
147	10	-0.487364	223.927	-1367.31
148	10	-0.481728	224.159	-1372.12
149	10	-0.476105	224.385	-1376.89
150	10	-0.470498	224.607	-1381.59
151	10	-0.464904	224.823	-1386.24
152	10	-0.456542	225.031	-1390.81
153	10	-0.450985	225.235	-1395.31
154	10	-0.445443	225.433	-1399.77
155	10	-0.439913	225.627	-1404.17
156	10	-0.434397	225.815	-1408.51
157	10	-0.428895	225.999	-1412.8
158	10	-0.423405	226.178	-1417.04
159	10	-0.415193	226.351	-1421.19
160	10	-0.409735	226.519	-1425.28
161	10	-0.40429	226.682	-1429.33
162	10	-0.398855	226.841	-1433.32

163	10	-0.393433	226.996	-1437.25
164	10	-0.388022	227.147	-1441.13
165	10	-0.382622	227.293	-1444.96
166	10	-0.377233	227.435	-1448.73
167	10	-0.369171	227.572	-1452.42
168	10	-0.363809	227.704	-1456.06
169	10	-0.358459	227.832	-1459.64
170	10	-0.353118	227.957	-1463.17
171	10	-0.347787	228.078	-1466.65
172	10	-0.342466	228.195	-1470.08
173	10	-0.337155	228.309	-1473.45
174	10	-0.329206	228.417	-1476.74
175	10	-0.323919	228.522	-1479.98
176	10	-0.318639	228.624	-1483.17
177	10	-0.31337	228.722	-1486.3
178	10	-0.308108	228.817	-1489.38
179	10	-0.302855	228.909	-1492.41
180	10	-0.297612	228.997	-1495.39
181	10	-0.292375	229.083	-1498.31
182	10	-0.284535	229.164	-1501.16
183	10	-0.279319	229.242	-1503.95
184	10	-0.27411	229.317	-1506.69
185	10	-0.268908	229.389	-1509.38
186	10	-0.263715	229.459	-1512.02
187	10	-0.258527	229.526	-1514.6
188	10	-0.253347	229.59	-1517.13
189	10	-0.248174	229.651	-1519.62
190	10	-0.240426	229.709	-1522.02
191	10	-0.235269	229.765	-1524.37
192	10	-0.230118	229.818	-1526.67
193	10	-0.224974	229.868	-1528.92
194	10	-0.219834	229.916	-1531.12
195	10	-0.214702	229.963	-1533.27
196	10	-0.209575	230.006	-1535.37
197	10	-0.201894	230.047	-1537.38
198	10	-0.196779	230.086	-1539.35
199	10	-0.191671	230.123	-1541.27
200	10	-0.186567	230.158	-1543.13
201	10	-0.181468	230.19	-1544.95
202	10	-0.176374	230.222	-1546.71
203	10	-0.171285	230.251	-1548.43
204	10	-0.166199	230.279	-1550.09
205	10	-0.158579	230.304	-1551.67
206	10	-0.153505	230.327	-1553.21
207	10	-0.148434	230.349	-1554.69
208	10	-0.143367	230.37	-1556.13
209	10	-0.138305	230.389	-1557.51
210	10	-0.133244	230.407	-1558.84
211	10	-0.128189	230.423	-1560.12
212	10	-0.12061	230.438	-1561.33
213	10	-0.115562	230.451	-1562.49
214	10	-0.110516	230.463	-1563.59
215	10	-0.105474	230.474	-1564.65
216	10	-0.100433	230.484	-1565.65
217	10	-0.0953969	230.494	-1566.6
218	10	-0.0903606	230.502	-1567.51
219	10	-0.0853288	230.509	-1568.36
220	10	-0.0777834	230.515	-1569.14
221	10	-0.0727562	230.52	-1569.87
222	10	-0.0677301	230.525	-1570.54
223	10	-0.0627062	230.529	-1571.17
224	10	-0.0576847	230.532	-1571.75
225	10	-0.0526632	230.535	-1572.27
226	10	-0.0476439	230.537	-1572.75
227	10	-0.0401167	230.539	-1573.15
228	10	-0.0350997	230.54	-1573.5
229	10	-0.0300838	230.541	-1573.8
230	10	-0.0250691	230.542	-1574.05
231	10	-0.0200544	230.542	-1574.25
232	10	-0.0150408	230.542	-1574.4
233	10	-0.0100272	230.542	-1574.51
234	10	-0.00501359	230.542	-1574.56
235	10	0.00501359	230.542	-1574.51
236	10	0.0100272	230.542	-1574.4
237	10	0.0150408	230.543	-1574.25
238	10	0.0200544	230.543	-1574.05
239	10	0.0250691	230.544	-1573.8
240	10	0.0300838	230.545	-1573.5
241	10	0.0350997	230.546	-1573.15
242	10	0.0401167	230.547	-1572.75
243	10	0.0476439	230.55	-1572.27
244	10	0.0526632	230.553	-1571.75
245	10	0.0576847	230.556	-1571.17
246	10	0.0627062	230.56	-1570.54
247	10	0.0677301	230.564	-1569.87
248	10	0.0727562	230.57	-1569.14

249	10	0.0777834	230.576	-1568.36
250	10	0.0853288	230.583	-1567.51
251	10	0.0903606	230.591	-1566.6
252	10	0.0953969	230.6	-1565.65
253	10	0.100433	230.61	-1564.65
254	10	0.105474	230.621	-1563.59
255	10	0.110516	230.634	-1562.49
256	10	0.115562	230.647	-1561.33
257	10	0.12061	230.662	-1560.12
258	10	0.128189	230.678	-1558.84
259	10	0.133244	230.696	-1557.51
260	10	0.138305	230.715	-1556.13
261	10	0.143367	230.735	-1554.69
262	10	0.148434	230.757	-1553.21
263	10	0.153505	230.781	-1551.67
264	10	0.158579	230.806	-1550.09
265	10	0.166199	230.834	-1548.43
266	10	0.171285	230.863	-1546.71
267	10	0.176374	230.894	-1544.95
268	10	0.181468	230.927	-1543.13
269	10	0.186567	230.962	-1541.27
270	10	0.191671	230.999	-1539.35
271	10	0.196779	231.037	-1537.38
272	10	0.201894	231.078	-1535.37
273	10	0.209575	231.122	-1533.27
274	10	0.214702	231.168	-1531.12
275	10	0.219834	231.217	-1528.92
276	10	0.224974	231.267	-1526.67
277	10	0.230118	231.32	-1524.37
278	10	0.235269	231.375	-1522.02
279	10	0.240426	231.433	-1519.62
280	10	0.248174	231.495	-1517.13
281	10	0.253347	231.559	-1514.6
282	10	0.258527	231.626	-1512.02
283	10	0.263715	231.695	-1509.38
284	10	0.268908	231.768	-1506.69
285	10	0.27411	231.843	-1503.95
286	10	0.279319	231.921	-1501.16
287	10	0.284535	232.002	-1498.31
288	10	0.292375	232.087	-1495.39
289	10	0.297612	232.176	-1492.41
290	10	0.302855	232.268	-1489.38
291	10	0.308108	232.363	-1486.3
292	10	0.31337	232.461	-1483.17
293	10	0.318639	232.562	-1479.98
294	10	0.323919	232.667	-1476.74
295	10	0.329206	232.776	-1473.45
296	10	0.337155	232.889	-1470.08
297	10	0.342466	233.007	-1466.65
298	10	0.347787	233.128	-1463.17
299	10	0.353118	233.252	-1459.64
300	10	0.358459	233.381	-1456.06
301	10.9	0.363809	233.513	-1452.09
302	11	0.369171	233.649	-1448.03
303	11	0.377233	233.792	-1443.88
304	11	0.382622	233.938	-1439.67
305	11	0.388022	234.089	-1435.41
306	11	0.393433	234.243	-1431.08
307	11	0.398855	234.403	-1426.69
308	11	0.40429	234.566	-1422.24
309	11	0.409735	234.734	-1417.74
310	11	0.415193	234.906	-1413.17
311	11	0.423405	235.086	-1408.51
312	11.2	0.428895	235.269	-1403.71
313	12	0.434397	235.458	-1398.5
314	12	0.439913	235.652	-1393.22
315	12	0.445443	235.85	-1387.87
316	12	0.450985	236.053	-1382.46
317	12.3	0.456542	236.262	-1376.84
318	12.5	0.464904	236.478	-1371.03
319	12.5	0.470498	236.699	-1365.15
320	12.8	0.476105	236.926	-1359.06
321	13	0.481728	237.158	-1352.79
322	13	0.487364	237.396	-1346.46
323	13	0.493018	237.639	-1340.05
324	13	0.498687	237.887	-1333.57
325	13	0.504372	238.142	-1327.01
326	13	0.51293	238.405	-1320.34
327	13	0.518658	238.674	-1313.6
328	13	0.524401	238.949	-1306.78
329	13	0.530162	239.23	-1299.89
330	14	0.53594	239.517	-1292.39
331	14	0.541736	239.811	-1284.8
332	14.7	0.547551	240.111	-1276.75
333	15	0.556308	240.42	-1268.41
334	15	0.56217	240.736	-1259.98

335	15	0.568052	241.059	-1251.46
336	15.1	0.573953	241.388	-1242.79
337	15.2	0.579873	241.724	-1233.98
338	15.8	0.585815	242.068	-1224.72
339	16	0.591776	242.418	-1215.25
340	16.3	0.597761	242.775	-1205.51
341	16.4	0.606775	243.143	-1195.56
342	16.5	0.612813	243.519	-1185.44
343	16.5	0.618872	243.902	-1175.23
344	17	0.624956	244.292	-1164.61
345	17	0.631062	244.691	-1153.88
346	18	0.637192	245.097	-1142.41
347	18	0.643345	245.511	-1130.83
348	18	0.652622	245.936	-1119.08
349	18	0.658838	246.371	-1107.23
350	19	0.665079	246.813	-1094.59
351	19	0.671346	247.264	-1081.83
352	19	0.677639	247.723	-1068.96
353	20	0.68396	248.191	-1055.28
354	20	0.690309	248.667	-1041.47
355	20	0.696684	249.152	-1027.54
356	20.1	0.706302	249.651	-1013.34
357	21.6	0.712751	250.159	-997.947
358	22.4	0.719228	250.677	-981.836
359	23	0.725736	251.203	-965.144
360	23	0.732275	251.74	-948.302
361	23	0.738846	252.285	-931.308
362	23	0.745449	252.841	-914.163
363	24	0.752084	253.407	-896.113
364	24	0.7621	253.988	-877.823
365	24	0.768821	254.579	-859.371
366	24.5	0.775574	255.18	-840.369
367	25	0.782366	255.792	-820.81
368	25	0.789191	256.415	-801.08
369	25	0.796056	257.049	-781.179
370	25.1	0.802956	257.693	-761.025
371	25.2	0.813379	258.355	-740.528
372	25.8	0.820379	259.028	-719.362
373	26	0.827417	259.713	-697.849
374	26	0.834498	260.409	-676.152
375	26.4	0.841621	261.117	-653.933
376	27	0.848786	261.838	-631.016
377	28	0.855996	262.571	-607.048
378	28	0.863249	263.316	-582.877
379	28	0.874218	264.08	-558.399
380	28.1	0.881587	264.857	-533.626
381	28.1	0.889006	265.648	-508.645
382	28.8	0.896473	266.451	-482.827
383	29	0.903992	267.268	-456.611
384	29	0.911562	268.099	-430.176
385	29	0.919183	268.944	-403.52
386	29	0.930718	269.811	-376.529
387	29	0.938476	270.691	-349.313
388	30	0.946291	271.587	-320.924
389	30.1	0.954165	272.497	-292.204
390	31	0.9621	273.423	-262.379
391	31	0.970094	274.364	-232.306
392	31.8	0.97815	275.321	-201.201
393	32	0.986272	276.293	-169.64
394	32	0.998575	277.291	-137.686
395	32	1.00687	278.304	-105.466
396	32.3	1.01522	279.335	-72.6743
397	33	1.02365	280.383	-38.8938
398	33	1.03215	281.448	-4.83268
399	33	1.04073	282.531	29.5115
400	33	1.04939	283.633	64.1412
401	33	1.06252	284.761	99.2044
402	34	1.07138	285.909	135.631
403	34	1.08032	287.076	172.362
404	34	1.08935	288.263	209.4
405	34	1.09847	289.47	246.748
406	34.4	1.10768	290.697	284.852
407	34.5	1.11699	291.944	323.388
408	35	1.12639	293.213	362.812
409	35.7	1.14069	294.514	403.534
410	35.7	1.15035	295.838	444.602
411	36	1.16012	297.183	486.366
412	36	1.17	298.552	528.486
413	36	1.18	299.945	570.966
414	36.5	1.19012	301.361	614.406
415	37	1.20036	302.802	658.819
416	37	1.21073	304.268	703.616
417	38.2	1.22653	305.772	750.469
418	39	1.23724	307.303	798.722
419	39	1.24809	308.861	847.397
420	40	1.25908	310.446	897.76

421	40	1 27024	312 06	948.57
422	40.5	1.28155	313.702	1000.47
423	41	1 29303	315.374	1053.49
424	41.8	1.31058	317.091	1108.27
425	41.8	1.32251	318.84	1163.55
426	42.4	1 33462	320 622	1220.14
427	42.7	1 34694	322.436	1277.65
428	45	1.35946	324.284	1338.83
429	46	1.3722	326.167	1401 95
430	46	1 38517	328.086	1465.67
431	46	1.39838	330.041	1529.99
432	47	1.41865	332.054	1596.67
433	47	1.4325	334 106	1664
434	48	1.44663	336.199	1733 44
435	48	1.46106	338.333	1803.57
436	49	1.47579	340.511	1875 88
437	49.2	1.49085	342 734	1949.23
438	50	1.50626	345.003	2024 54
439	50	1.53007	347.344	2101.05
440	50.5	1.54643	349.735	2179.14
441	50 5	1.56322	352.179	2258.08
442	51	1.58047	354.677	2338.69
443	51.4	1 59819	357.231	2420.83
444	52	1.61644	359 844	2504.89
445	55	1.63524	362 518	2594 83
446	56	1 65463	365.256	2687.49
447	60	1.68494	368.095	2788.58
448	61	1.70604	371.005	2892.65
449	61	1.72793	373.991	2998.05
450	62	1 75069	377.056	3106.6
451	63	1.77438	380.204	3218.38
452	65	1.79912	383.441	3335 33
453	66	1.82501	386.772	3455.78
454	69	1.86629	390.255	3584.55
455	70	1.8957	393.848	3717.25
456	71	1.92684	397.561	3854.05
457	71	1 95996	401.403	3993.21
458	72	1.99539	405.384	4136.88
459	72 3	2 03352	409.519	4283.9
460	74	2.07485	413.824	4437.44
461	81	2.12007	418.319	4609 17
462	83	2.19728	423.147	4791.54
463	84	2 25713	428.242	4981 14
464	92.5	2.32634	433.654	5196.33
465	93	2.40892	439.457	5420.36
466	97	2.51213	445.767	5664.04
467	129	2 65209	452.801	6006.15
468	160	2.87815	461.085	6466.66

Data Set Standard Deviation = 18 1283
Numerator = 4.18177e+007
Denominator = 7 07637e+007
W Statistic = 0.590948 = 4.18177e+007 / 7.07637e+007

5% Critical value of 0.976 exceeds 0.590948
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.590948
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 = 468

	x(i)	m(i)	sum(m^2)	sum(mx)
1	0.6	-2.87815	8.28375	-1.72689
2	0.6	-2.65209	15.3173	-3.31814
3	0 7	-2.51213	21.6281	-5.07664
4	1 2	-2.40892	27.431	-7.96734
5	1.31	-2.32634	32.8429	-11.0149
6	1.7	-2.25713	37.9375	-14.852
7	1.8	-2.19728	42.7656	-18.8071
8	1.88	-2 12007	47.2603	-22.7928
9	1.95	-2.07485	51 5653	-26.8388
10	2	-2.03352	55.7005	-30.9058
11	2	-1.99539	59 6821	-34.8966
12	2.17	-1.95996	63.5235	-39.1497
13	2.31	-1.92684	67.2362	-43.6007
14	2.5	-1.8957	70.8299	-48.34
15	2 69	-1.86629	74.313	-53.3603
16	2 8	-1.82501	77.6436	-58.4703
17	2 9	-1 79912	80.8804	-63.6877
18	3.3	-1.77438	84.0288	-69.5432
19	3.4	-1.75069	87.0937	-75.4955
20	3.42	-1.72793	90.0795	-81.405
21	3.86	-1.70604	92.9901	-87.9904
22	3.91	-1.68494	95.8291	-94.5785
23	4	-1 65463	98.5669	-101.197
24	4	-1.63524	101 241	-107.738
25	4 05	-1.61644	103 854	-114.284
26	4 1	-1.59819	106.408	-120.837
27	4.4	-1 58047	108.906	-127.791
28	4.76	-1.56322	111.349	-135.232
29	5	-1.54643	113.741	-142.964
30	5	-1 53007	116.082	-150.615
31	5.3	-1.50626	118 351	-158.598
32	6	-1.49085	120.574	-167.543
33	7	-1.47579	122.751	-177.873
34	7	-1.46106	124.886	-188.101
35	7	-1.44663	126.979	-198.227
36	7.7	-1.4325	129.031	-209.257
37	8	-1.41865	131.044	-220.607
38	9	-1.39838	132.999	-233.192
39	9	-1.38517	134.918	-245.659
40	10	-1.3722	136.801	-259.381
41	12	-1.35946	138.649	-275.694
42	13	-1.34694	140.463	-293.204
43	13.9	-1.33462	142.244	-311.756
44	18	-1.32251	143.993	-335.561
45	19	-1.31058	145.711	-360.462
46	21	-1.29303	147.383	-387.616
47	23	-1.28155	149 025	-417.091
48	25.4	-1.27024	150.639	-449.355
49	34	-1.25908	152.224	-492.164
50	34	-1.24809	153.782	-534.599
51	36	-1.23724	155.312	-579 139
52	43.2	-1.22653	156.817	-632.126
53	44	-1.21073	158.283	-685.398
54	55	-1.20036	159.724	-751.417
55	55	-1.19012	161.14	-816.874
56	56	-1.18	162 532	-882.954
57	56.3	-1.17	163.901	-948.825
58	58.5	-1.16012	165.247	-1016.69
59	72	-1.15035	166.57	-1099.52
60	114	-1 14069	167.872	-1229.56
61	142	-1.12639	169.14	-1389.5
62	143	-1.11699	170.388	-1549.23
63	200	-1.10768	171.615	-1770 77
64	200	-1.09847	172.822	-1990.46
65	200	-1.08935	174.008	-2208.33
66	200	-1.08032	175.175	-2424.4
67	200	-1.07138	176.323	-2638.67
68	200	-1.06252	177.452	-2851.18
69	200	-1.04939	178.553	-3061.05
70	200	-1.04073	179.637	-3269 2
71	200	-1.03215	180.702	-3475.63
72	200	-1.02365	181.75	-3680.36
73	200	-1.01522	182.78	-3883.4
74	200	-1.00687	183.794	-4084.78
75	200	-0.998575	184 791	-4284.49
76	200	-0.986272	185.764	-4481 75

77	200	-0.97815	186.721	-4677.38
78	200	-0.970094	187.662	-4871.4
79	200	-0.9621	188.588	-5063.82
80	200	-0.954165	189.498	-5254.65
81	200	-0.946291	190.393	-5443.91
82	200	-0.938476	191.274	-5631.6
83	200	-0.930718	192.14	-5817.75
84	200	-0.919183	192.985	-6001.58
85	200	-0.911562	193.816	-6183.89
86	200	-0.903992	194.633	-6364.69
87	200	-0.896473	195.437	-6543.99
88	200	-0.889006	196.227	-6721.79
89	200	-0.881587	197.005	-6898.11
90	200	-0.874218	197.769	-7072.95
91	200	-0.863249	198.514	-7245.6
92	200	-0.855996	199.247	-7416.8
93	200	-0.848786	199.967	-7586.56
94	200	-0.841621	200.676	-7754.88
95	200	-0.834498	201.372	-7921.78
96	200	-0.827417	202.057	-8087.26
97	200	-0.820379	202.73	-8251.34
98	200	-0.813379	203.391	-8414.02
99	200	-0.802956	204.036	-8574.61
100	200	-0.796056	204.67	-8733.82
101	200	-0.789191	205.292	-8891.66
102	200	-0.782366	205.905	-9048.13
103	200	-0.775574	206.506	-9203.24
104	200	-0.768821	207.097	-9357.01
105	200	-0.7621	207.678	-9509.43
106	200	-0.752084	208.244	-9659.84
107	200	-0.745449	208.799	-9808.93
108	200	-0.738846	209.345	-9956.7
109	200	-0.732275	209.881	-10103.2
110	200	-0.725736	210.408	-10248.3
111	200	-0.719228	210.925	-10392.2
112	200	-0.712751	211.433	-10534.7
113	200	-0.706302	211.932	-10676
114	200	-0.696684	212.418	-10815.3
115	200	-0.690309	212.894	-10953.4
116	200	-0.68396	213.362	-11090.2
117	200	-0.677639	213.821	-11225.7
118	200	-0.671346	214.272	-11360
119	200	-0.665079	214.714	-11493
120	200	-0.658838	215.148	-11624.7
121	200	-0.652622	215.574	-11755.3
122	200	-0.643345	215.988	-11883.9
123	200	-0.637192	216.394	-12011.4
124	200	-0.631062	216.792	-12137.6
125	200	-0.624956	217.183	-12262.6
126	200	-0.618872	217.566	-12386.3
127	200	-0.612813	217.941	-12508.9
128	200	-0.606775	218.31	-12630.3
129	200	-0.597761	218.667	-12749.8
130	200	-0.591776	219.017	-12868.2
131	200	-0.585815	219.36	-12985.3
132	200	-0.579873	219.697	-13101.3
133	200	-0.573953	220.026	-13216.1
134	200	-0.568052	220.349	-13329.7
135	200	-0.56217	220.665	-13442.1
136	200	-0.556308	220.974	-13553.4
137	200	-0.547551	221.274	-13662.9
138	200	-0.541736	221.567	-13771.3
139	200	-0.53594	221.855	-13878.4
140	200	-0.530162	222.136	-13984.5
141	200	-0.524401	222.411	-14089.4
142	200	-0.518658	222.68	-14193.1
143	200	-0.51293	222.943	-14295.7
144	200	-0.504372	223.197	-14396.6
145	200	-0.498687	223.446	-14496.3
146	200	-0.493018	223.689	-14594.9
147	200	-0.487364	223.927	-14692.4
148	200	-0.481728	224.159	-14788.7
149	200	-0.476105	224.385	-14883.9
150	200	-0.470498	224.607	-14978
151	200	-0.464904	224.823	-15071
152	200	-0.456542	225.031	-15162.3
153	200	-0.450985	225.235	-15252.5
154	200	-0.445443	225.433	-15341.6
155	200	-0.439913	225.627	-15429.6
156	200	-0.434397	225.815	-15516.5
157	200	-0.428895	225.999	-15602.2
158	200	-0.423405	226.178	-15686.9
159	200	-0.415193	226.351	-15770
160	200	-0.409735	226.519	-15851.9
161	200	-0.40429	226.682	-15932.8
162	200	-0.398855	226.841	-16012.5

163	200	-0.393433	226.996	-16091.2
164	200	-0.388022	227.147	-16168.8
165	200	-0.382622	227.293	-16245.4
166	200	-0.377233	227.435	-16320.8
167	200	-0.369171	227.572	-16394.6
168	200	-0.363809	227.704	-16467.4
169	200	-0.358459	227.832	-16539.1
170	200	-0.353118	227.957	-16609.7
171	200	-0.347787	228.078	-16679.3
172	200	-0.342466	228.195	-16747.8
173	200	-0.337155	228.309	-16815.2
174	200	-0.329206	228.417	-16881
175	200	-0.323919	228.522	-16945.8
176	200	-0.318639	228.624	-17009.6
177	200	-0.31337	228.722	-17072.2
178	200	-0.308108	228.817	-17133.8
179	200	-0.302855	228.909	-17194.4
180	200	-0.297612	228.997	-17253.9
181	200	-0.292375	229.083	-17312.4
182	200	-0.284535	229.164	-17369.3
183	200	-0.279319	229.242	-17425.2
184	200	-0.27411	229.317	-17480
185	200	-0.268908	229.389	-17533.8
186	200	-0.263715	229.459	-17586.5
187	200	-0.258527	229.526	-17638.2
188	200	-0.253347	229.59	-17688.9
189	200	-0.248174	229.651	-17738.5
190	200	-0.240426	229.709	-17786.6
191	200	-0.235269	229.765	-17833.7
192	200	-0.230118	229.818	-17879.7
193	200	-0.224974	229.868	-17924.7
194	200	-0.219834	229.916	-17968.7
195	200	-0.214702	229.963	-18011.6
196	200	-0.209575	230.006	-18053.5
197	200	-0.201894	230.047	-18093.9
198	200	-0.196779	230.086	-18133.3
199	200	-0.191671	230.123	-18171.6
200	200	-0.186567	230.158	-18208.9
201	200	-0.181468	230.19	-18245.2
202	200	-0.176374	230.222	-18280.5
203	200	-0.171285	230.251	-18314.7
204	200	-0.166199	230.279	-18348
205	200	-0.158579	230.304	-18379.7
206	200	-0.153505	230.327	-18410.4
207	200	-0.148434	230.349	-18440.1
208	200	-0.143367	230.37	-18468.7
209	200	-0.138305	230.389	-18496.4
210	200	-0.133244	230.407	-18523.1
211	200	-0.128189	230.423	-18548.7
212	200	-0.12061	230.438	-18572.8
213	200	-0.115562	230.451	-18595.9
214	200	-0.110516	230.463	-18618
215	200	-0.105474	230.474	-18639.1
216	200	-0.100433	230.484	-18659.2
217	200	-0.0953969	230.494	-18678.3
218	200	-0.0903606	230.502	-18696.4
219	200	-0.0853288	230.509	-18713.4
220	200	-0.0777834	230.515	-18729
221	200	-0.0727562	230.52	-18743.5
222	200	-0.0677301	230.525	-18757.1
223	200	-0.0627062	230.529	-18769.6
224	200	-0.0576847	230.532	-18781.2
225	200	-0.0526632	230.535	-18791.7
226	200	-0.0476439	230.537	-18801.2
227	200	-0.0401167	230.539	-18809.2
228	200	-0.0350997	230.54	-18816.3
229	200	-0.0300838	230.541	-18822.3
230	200	-0.0250691	230.542	-18827.3
231	200	-0.0200544	230.542	-18831.3
232	200	-0.0150408	230.542	-18834.3
233	200	-0.0100272	230.542	-18836.3
234	200	-0.00501359	230.542	-18837.3
235	200	0.00501359	230.542	-18836.3
236	200	0.0100272	230.542	-18834.3
237	200	0.0150408	230.543	-18831.3
238	200	0.0200544	230.543	-18827.3
239	200	0.0250691	230.544	-18822.3
240	200	0.0300838	230.545	-18816.3
241	200	0.0350997	230.546	-18809.2
242	200	0.0401167	230.547	-18801.2
243	200	0.0476439	230.55	-18791.7
244	200	0.0526632	230.553	-18781.2
245	200	0.0576847	230.556	-18769.6
246	200	0.0627062	230.56	-18757.1
247	200	0.0677301	230.564	-18743.5
248	200	0.0727562	230.57	-18729

249	200	0.0777834	230.576	-18713.4
250	200	0.0853288	230.583	-18696.4
251	200	0.0903606	230.591	-18678.3
252	200	0.0953969	230.6	-18659.2
253	200	0.100433	230.61	-18639.1
254	200	0.105474	230.621	-18618
255	200	0.110516	230.634	-18595.9
256	200	0.115562	230.647	-18572.8
257	200	0.12061	230.662	-18548.7
258	200	0.128189	230.678	-18523.1
259	200	0.133244	230.696	-18496.4
260	200	0.138305	230.715	-18468.7
261	200	0.143367	230.735	-18440.1
262	200	0.148434	230.757	-18410.4
263	200	0.153505	230.781	-18379.7
264	200	0.158579	230.806	-18348
265	200	0.166199	230.834	-18314.7
266	200	0.171285	230.863	-18280.5
267	200	0.176374	230.894	-18245.2
268	200	0.181468	230.927	-18208.9
269	200	0.186567	230.962	-18171.6
270	200	0.191671	230.999	-18133.3
271	200	0.196779	231.037	-18093.9
272	200	0.201894	231.078	-18053.5
273	200	0.209575	231.122	-18011.6
274	200	0.214702	231.168	-17968.7
275	200	0.219834	231.217	-17924.7
276	200	0.224974	231.267	-17879.7
277	200	0.230118	231.32	-17833.7
278	200	0.235269	231.375	-17786.6
279	200	0.240426	231.433	-17738.5
280	200	0.248174	231.495	-17688.9
281	200	0.253347	231.559	-17638.2
282	200	0.258527	231.626	-17586.5
283	200	0.263715	231.695	-17533.8
284	200	0.268908	231.768	-17480
285	200	0.27411	231.843	-17425.2
286	200	0.279319	231.921	-17369.3
287	200	0.284535	232.002	-17312.4
288	200	0.292375	232.087	-17253.9
289	200	0.297612	232.176	-17194.4
290	200	0.302855	232.268	-17133.8
291	200	0.308108	232.363	-17072.2
292	200	0.31337	232.461	-17009.6
293	200	0.318639	232.562	-16945.8
294	200	0.323919	232.667	-16881
295	200	0.329206	232.776	-16815.2
296	200	0.337155	232.889	-16747.8
297	200	0.342466	233.007	-16679.3
298	200	0.347787	233.128	-16609.7
299	200	0.353118	233.252	-16539.1
300	200	0.358459	233.381	-16467.4
301	200	0.363809	233.513	-16394.6
302	200	0.369171	233.649	-16320.8
303	200	0.377233	233.792	-16245.4
304	200	0.382622	233.938	-16168.8
305	200	0.388022	234.089	-16091.2
306	200	0.393433	234.243	-16012.5
307	200	0.398855	234.403	-15932.8
308	200	0.40429	234.566	-15851.9
309	200	0.409735	234.734	-15770
310	200	0.415193	234.906	-15686.9
311	200	0.423405	235.086	-15602.2
312	200	0.428895	235.269	-15516.5
313	200	0.434397	235.458	-15429.6
314	200	0.439913	235.652	-15341.6
315	200	0.445443	235.85	-15252.5
316	200	0.450985	236.053	-15162.3
317	200	0.456542	236.262	-15071
318	200	0.464904	236.478	-14978
319	200	0.470498	236.699	-14883.9
320	200	0.476105	236.926	-14788.7
321	200	0.481728	237.158	-14692.4
322	200	0.487364	237.396	-14594.9
323	200	0.493018	237.639	-14496.3
324	200	0.498687	237.887	-14396.6
325	200	0.504372	238.142	-14295.7
326	200	0.51293	238.405	-14193.1
327	200	0.518658	238.674	-14089.4
328	200	0.524401	238.949	-13984.5
329	200	0.530162	239.23	-13878.4
330	200	0.53594	239.517	-13771.3
331	200	0.541736	239.811	-13662.9
332	200	0.547551	240.111	-13553.4
333	200	0.556308	240.42	-13442.1
334	200	0.56217	240.736	-13329.7

335	200	0.568052	241.059	-13216.1
336	200	0.573953	241.388	-13101.3
337	200	0.579873	241.724	-12985.3
338	200	0.585815	242.068	-12868.2
339	200	0.591776	242.418	-12749.8
340	200	0.597761	242.775	-12630.3
341	200	0.606775	243.143	-12508.9
342	200	0.612813	243.519	-12386.3
343	200	0.618872	243.902	-12262.6
344	200	0.624956	244.292	-12137.6
345	200	0.631062	244.691	-12011.4
346	200	0.637192	245.097	-11883.9
347	200	0.643345	245.511	-11755.3
348	200	0.652622	245.936	-11624.7
349	200	0.658838	246.371	-11493
350	200	0.665079	246.813	-11360
351	200	0.671346	247.264	-11225.7
352	200	0.677639	247.723	-11090.2
353	200	0.68396	248.191	-10953.4
354	200	0.690309	248.667	-10815.3
355	200	0.696684	249.152	-10676
356	200	0.706302	249.651	-10534.7
357	200	0.712751	250.159	-10392.2
358	200	0.719228	250.677	-10248.3
359	200	0.725736	251.203	-10103.2
360	200	0.732275	251.74	-9956.7
361	200	0.738846	252.285	-9808.93
362	200	0.745449	252.841	-9659.84
363	200	0.752084	253.407	-9509.43
364	200	0.7621	253.988	-9357.01
365	200	0.768821	254.579	-9203.24
366	200	0.775574	255.18	-9048.13
367	200	0.782366	255.792	-8891.66
368	200	0.789191	256.415	-8733.82
369	200	0.796056	257.049	-8574.61
370	200	0.802956	257.693	-8414.02
371	200	0.813379	258.355	-8251.34
372	200	0.820379	259.028	-8087.26
373	200	0.827417	259.713	-7921.78
374	200	0.834498	260.409	-7754.88
375	200	0.841621	261.117	-7586.56
376	200	0.848786	261.838	-7416.8
377	200	0.855996	262.571	-7245.6
378	200	0.863249	263.316	-7072.95
379	200	0.874218	264.08	-6898.11
380	200	0.881587	264.857	-6721.79
381	200	0.889006	265.648	-6543.99
382	200	0.896473	266.451	-6364.69
383	200	0.903992	267.268	-6183.89
384	200	0.911562	268.099	-6001.58
385	200	0.919183	268.944	-5817.75
386	200	0.930718	269.811	-5631.6
387	200	0.938476	270.691	-5443.91
388	200	0.946291	271.587	-5254.65
389	200	0.954165	272.497	-5063.82
390	200	0.9621	273.423	-4871.4
391	200	0.970094	274.364	-4677.38
392	200	0.97815	275.321	-4481.75
393	200	0.986272	276.293	-4284.49
394	200	0.998575	277.291	-4084.78
395	200	1.00687	278.304	-3883.4
396	200	1.01522	279.335	-3680.36
397	200	1.02365	280.383	-3475.63
398	200	1.03215	281.448	-3269.2
399	200	1.04073	282.531	-3061.05
400	200	1.04939	283.633	-2851.18
401	200	1.06252	284.761	-2638.67
402	200	1.07138	285.909	-2424.4
403	200	1.08032	287.076	-2208.33
404	200	1.08935	288.263	-1990.46
405	200	1.09847	289.47	-1770.77
406	200	1.10768	290.697	-1549.23
407	200	1.11699	291.944	-1325.83
408	200	1.12639	293.213	-1100.56
409	200	1.14069	294.514	-872.419
410	200	1.15035	295.838	-642.349
411	200	1.16012	297.183	-410.325
412	200	1.17	298.552	-176.325
413	200	1.18	299.945	59.6752
414	200	1.19012	301.361	297.699
415	200	1.20036	302.802	537.771
416	200	1.21073	304.268	779.917
417	200	1.22653	305.772	1025.22
418	200	1.23724	307.303	1272.67
419	200	1.24809	308.861	1522.29
420	200	1.25908	310.446	1774.1

421	200	1.27024	312.06	2028.15
422	200	1.28155	313.702	2284.46
423	200	1.29303	315.374	2543 07
424	200	1.31058	317 091	2805.18
425	200	1.32251	318.84	3069.68
426	200	1.33462	320.622	3336.61
427	200	1.34694	322 436	3606
428	200	1.35946	324.284	3877.89
429	200	1.3722	326.167	4152 33
430	200	1.38517	328.086	4429.37
431	200	1.39838	330.041	4709.04
432	200	1.41865	332.054	4992.77
433	200	1.4325	334.106	5279.27
434	200	1.44663	336.199	5568.6
435	200	1.46106	338.333	5860.81
436	200	1.47579	340.511	6155.97
437	200	1.49085	342 734	6454.14
438	200	1.50626	345 003	6755.39
439	200	1.53007	347.344	7061.4
440	200	1.54643	349.735	7370 69
441	200	1.56322	352.179	7683.33
442	200	1.58047	354.677	7999.43
443	200	1.59819	357.231	8319.07
444	200	1.61644	359.844	8642.35
445	200	1.63524	362.518	8969.4
446	200	1.65463	365.256	9300.33
447	200	1.68494	368.095	9637.31
448	200	1.70604	371.005	9978.52
449	200	1.72793	373.991	10324.1
450	200	1 75069	377.056	10674.2
451	200	1.77438	380.204	11029 1
452	200	1.79912	383.441	11388.9
453	200	1.82501	386.772	11753.9
454	200	1.86629	390.255	12127.2
455	200	1.8957	393.848	12506.3
456	220	1.92684	397.561	12930.2
457	252	1.95996	401.403	13424.2
458	253	1.99539	405.384	13929
459	253	2.03352	409.519	14443.5
460	280	2 07485	413.824	15024.4
461	310	2.12007	418.319	15681.7
462	310	2.19728	423.147	16362.8
463	350	2.25713	428.242	17152.8
464	360	2.32634	433.654	17990.3
465	378	2.40892	439.457	18900.9
466	440	2.51213	445.767	20006.2
467	620	2.65209	452.801	21650.5
468	870	2.87815	461.085	24154.5

Data Set Standard Deviation = 76.0462
Numerator = 5.83439e+008
Denominator = 1.24524e+009
W Statistic = 0.468536 = 5.83439e+008 / 1 24524e+009

5% Critical value of 0.976 exceeds 0.468536
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.468536
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 = 468

-	x(i)	m(i)	sum(m^2)	sum(mx)
1	2.09	-2 87815	8.28375	-6.01533
2	2.57	-2.65209	15.3173	-12 8312
3	3.19	-2.51213	21.6281	-20.8449
4	3.4	-2.40892	27.431	-29.0352
5	3.8	-2.32634	32.8429	-37.8753
6	4	-2.25713	37.9375	-46.9039
7	4.18	-2.19728	42.7656	-56.0885
8	4 19	-2.12007	47.2603	-64.9716
9	5 04	-2.07485	51.5653	-75.4288
10	6.5	-2.03352	55.7005	-88.6467
11	16.1	-1 99539	59.6821	-120.773
12	17	-1 95996	63.5235	-154.092
13	17.3	-1.92684	67.2362	-187.426
14	20	-1.8957	70.8299	-225 34
15	20	-1.86629	74.313	-262 666
16	20	-1.82501	77.6436	-299.166
17	20	-1.79912	80.8804	-335.148
18	20	-1.77438	84.0288	-370.636
19	20	-1 75069	87.0937	-405.65
20	20	-1.72793	90.0795	-440.208
21	20	-1.70604	92.9901	-474.329
22	20	-1.68494	95.8291	-508.028
23	20	-1 65463	98.5669	-541 121
24	20	-1.63524	101.241	-573.825
25	20	-1.61644	103 854	-606.154
26	20	-1.59819	106.408	-638.118
27	20	-1.58047	108.906	-669.727
28	20	-1 56322	111.349	-700 991
29	20	-1 54643	113.741	-731.92
30	20	-1.53007	116.082	-762.521
31	20	-1.50626	118.351	-792.647
32	20	-1.49085	120.574	-822.464
33	20	-1.47579	122.751	-851.98
34	20	-1.46106	124.886	-881.201
35	20	-1.44663	126.979	-910.133
36	20	-1.4325	129.031	-938.783
37	20	-1 41865	131.044	-967 156
38	20	-1 39838	132.999	-995.124
39	20	-1.38517	134.918	-1022.83
40	20	-1.3722	136.801	-1050.27
41	20	-1.35946	138.649	-1077.46
42	20	-1.34694	140.463	-1104.4
43	20	-1.33462	142.244	-1131.09
44	20	-1 32251	143.993	-1157.54
45	20	-1.31058	145.711	-1183.75
46	20	-1.29303	147.383	-1209.61
47	20	-1.28155	149.025	-1235.25
48	20	-1.27024	150.639	-1260.65
49	20	-1.25908	152.224	-1285.83
50	20	-1 24809	153.782	-1310.79
51	20	-1.23724	155.312	-1335.54
52	20	-1.22653	156.817	-1360.07
53	20	-1.21073	158.283	-1384.28
54	20	-1.20036	159.724	-1408.29
55	20	-1.19012	161.14	-1432.09
56	20	-1.18	162.532	-1455.69
57	20	-1.17	163.901	-1479.09
58	20	-1.16012	165.247	-1502.3
59	20	-1 15035	166.57	-1525.3
60	20	-1 14069	167.872	-1548.12
61	20	-1.12639	169.14	-1570 64
62	20	-1.11699	170.388	-1592.98
63	20	-1.10768	171.615	-1615.14
64	20	-1.09847	172 822	-1637.11
65	20	-1 08935	174.008	-1658.89
66	20	-1.08032	175 175	-1680.5
67	20	-1.07138	176.323	-1701.93
68	20	-1.06252	177.452	-1723.18
69	20	-1.04939	178.553	-1744.17
70	20	-1.04073	179.637	-1764.98
71	20	-1.03215	180.702	-1785.62
72	20	-1.02365	181 75	-1806.1
73	20	-1.01522	182 78	-1826.4
74	20	-1.00687	183.794	-1846 54
75	20	-0.998575	184.791	-1866.51
76	20	-0.986272	185.764	-1886.24

77	20	-0.97815	186.721	-1905.8
78	20	-0.970094	187.662	-1925.2
79	20	-0.9621	188.588	-1944.44
80	20	-0.954165	189.498	-1963.53
81	20	-0.946291	190.393	-1982.45
82	20	-0.938476	191.274	-2001.22
83	20	-0.930718	192.14	-2019.84
84	20	-0.919183	192.985	-2038.22
85	20	-0.911562	193.816	-2056.45
86	20	-0.903992	194.633	-2074.53
87	20	-0.896473	195.437	-2092.46
88	20	-0.889006	196.227	-2110.24
89	20	-0.881587	197.005	-2127.87
90	20	-0.874218	197.769	-2145.36
91	20	-0.863249	198.514	-2162.62
92	20	-0.855996	199.247	-2179.74
93	20	-0.848786	199.967	-2196.72
94	20	-0.841621	200.676	-2213.55
95	20	-0.834498	201.372	-2230.24
96	20	-0.827417	202.057	-2246.79
97	20	-0.820379	202.73	-2263.19
98	20	-0.813379	203.391	-2279.46
99	20	-0.802956	204.036	-2295.52
100	20	-0.796056	204.67	-2311.44
101	20	-0.789191	205.292	-2327.23
102	20	-0.782366	205.905	-2342.87
103	20	-0.775574	206.506	-2358.38
104	20	-0.768821	207.097	-2373.76
105	20	-0.7621	207.678	-2389
106	20	-0.752084	208.244	-2404.04
107	20	-0.745449	208.799	-2418.95
108	20	-0.738846	209.345	-2433.73
109	20	-0.732275	209.881	-2448.38
110	20	-0.725736	210.408	-2462.89
111	20	-0.719228	210.925	-2477.28
112	20	-0.712751	211.433	-2491.53
113	20	-0.706302	211.932	-2505.66
114	20	-0.696684	212.418	-2519.59
115	20	-0.690309	212.894	-2533.4
116	20	-0.68396	213.362	-2547.08
117	20	-0.677639	213.821	-2560.63
118	20	-0.671346	214.272	-2574.06
119	20	-0.665079	214.714	-2587.36
120	20	-0.658838	215.148	-2600.53
121	20	-0.652622	215.574	-2613.59
122	20	-0.643345	215.988	-2626.45
123	20	-0.637192	216.394	-2639.2
124	20	-0.631062	216.792	-2651.82
125	20	-0.624956	217.183	-2664.32
126	20	-0.618872	217.566	-2676.69
127	20	-0.612813	217.941	-2688.95
128	20	-0.606775	218.31	-2701.09
129	20	-0.597761	218.667	-2713.04
130	20	-0.591776	219.017	-2724.88
131	20	-0.585815	219.36	-2736.59
132	20	-0.579873	219.697	-2748.19
133	20	-0.573953	220.026	-2759.67
134	20	-0.568052	220.349	-2771.03
135	20	-0.56217	220.665	-2782.27
136	20	-0.556308	220.974	-2793.4
137	20	-0.547551	221.274	-2804.35
138	20	-0.541736	221.567	-2815.19
139	20	-0.53594	221.855	-2825.91
140	20	-0.530162	222.136	-2836.51
141	20	-0.524401	222.411	-2847
142	20	-0.518658	222.68	-2857.37
143	20	-0.51293	222.943	-2867.63
144	20	-0.504372	223.197	-2877.72
145	20	-0.498687	223.446	-2887.69
146	20	-0.493018	223.689	-2897.55
147	20	-0.487364	223.927	-2907.3
148	20	-0.481728	224.159	-2916.93
149	20	-0.476105	224.385	-2926.45
150	20	-0.470498	224.607	-2935.86
151	20	-0.464904	224.823	-2945.16
152	20	-0.456542	225.031	-2954.29
153	20	-0.450985	225.235	-2963.31
154	20	-0.445443	225.433	-2972.22
155	20	-0.439913	225.627	-2981.02
156	20	-0.434397	225.815	-2989.71
157	20	-0.428895	225.999	-2998.29
158	20	-0.423405	226.178	-3006.75
159	20	-0.415193	226.351	-3015.06
160	20	-0.409735	226.519	-3023.25
161	20	-0.40429	226.682	-3031.34
162	20	-0.398855	226.841	-3039.31

163	20	-0.393433	226.996	-3047.18
164	20	-0.388022	227.147	-3054.94
165	20	-0.382622	227.293	-3062.6
166	20	-0.377233	227.435	-3070.14
167	20	-0.369171	227.572	-3077.52
168	20	-0.363809	227.704	-3084.8
169	20	-0.358459	227.832	-3091.97
170	20	-0.353118	227.957	-3099.03
171	20	-0.347787	228.078	-3105.99
172	20	-0.342466	228.195	-3112.84
173	20	-0.337155	228.309	-3119.58
174	20	-0.329206	228.417	-3126.16
175	20	-0.323919	228.522	-3132.64
176	20	-0.318639	228.624	-3139.02
177	20	-0.31337	228.722	-3145.28
178	20	-0.308108	228.817	-3151.45
179	20	-0.302855	228.909	-3157.5
180	20	-0.297612	228.997	-3163.45
181	20	-0.292375	229.083	-3169.3
182	20	-0.284535	229.164	-3174.99
183	20	-0.279319	229.242	-3180.58
184	20	-0.27411	229.317	-3186.06
185	20	-0.268908	229.389	-3191.44
186	20	-0.263715	229.459	-3196.71
187	20	-0.258527	229.526	-3201.88
188	20	-0.253347	229.59	-3206.95
189	20	-0.248174	229.651	-3211.91
190	20	-0.240426	229.709	-3216.72
191	20	-0.235269	229.765	-3221.43
192	20	-0.230118	229.818	-3226.03
193	20	-0.224974	229.868	-3230.53
194	20	-0.219834	229.916	-3234.93
195	20	-0.214702	229.963	-3239.22
196	20	-0.209575	230.006	-3243.41
197	20	-0.201894	230.047	-3247.45
198	20	-0.196779	230.086	-3251.39
199	20	-0.191671	230.123	-3255.22
200	20	-0.186567	230.158	-3258.95
201	20	-0.181468	230.19	-3262.58
202	20	-0.176374	230.222	-3266.11
203	20	-0.171285	230.251	-3269.53
204	20	-0.166199	230.279	-3272.86
205	20	-0.158579	230.304	-3276.03
206	20	-0.153505	230.327	-3279.1
207	20	-0.148434	230.349	-3282.07
208	20	-0.143367	230.37	-3284.94
209	20	-0.138305	230.389	-3287.7
210	20	-0.133244	230.407	-3290.37
211	20	-0.128189	230.423	-3292.93
212	20	-0.12061	230.438	-3295.34
213	20	-0.115562	230.451	-3297.65
214	20	-0.110516	230.463	-3299.86
215	20	-0.105474	230.474	-3301.97
216	20	-0.100433	230.484	-3303.98
217	20	-0.0953969	230.494	-3305.89
218	20	-0.0903606	230.502	-3307.7
219	20	-0.0853288	230.509	-3309.4
220	20	-0.0777834	230.515	-3310.96
221	20	-0.0727562	230.52	-3312.41
222	20	-0.0677301	230.525	-3313.77
223	20	-0.0627062	230.529	-3315.02
224	20	-0.0576847	230.532	-3316.18
225	20	-0.0526632	230.535	-3317.23
226	20	-0.0476439	230.537	-3318.18
227	20	-0.0401167	230.539	-3318.99
228	20	-0.0350997	230.54	-3319.69
229	20	-0.0300838	230.541	-3320.29
230	20	-0.0250691	230.542	-3320.79
231	20	-0.0200544	230.542	-3321.19
232	20	-0.0150408	230.542	-3321.49
233	20	-0.0100272	230.542	-3321.69
234	20	-0.00501359	230.542	-3321.79
235	20	0.00501359	230.542	-3321.69
236	20	0.0100272	230.542	-3321.49
237	20	0.0150408	230.543	-3321.19
238	20	0.0200544	230.543	-3320.79
239	20	0.0250691	230.544	-3320.29
240	20	0.0300838	230.545	-3319.69
241	20	0.0350997	230.546	-3318.99
242	20	0.0401167	230.547	-3318.18
243	20	0.0476439	230.55	-3317.23
244	20	0.0526632	230.553	-3316.18
245	20	0.0576847	230.556	-3315.02
246	20	0.0627062	230.56	-3313.77
247	20	0.0677301	230.564	-3312.41
248	20	0.0727562	230.57	-3310.96

249	20	0.0777834	230.576	-3309.4
250	20	0.0853288	230.583	-3307.7
251	20	0.0903606	230.591	-3305.89
252	20	0.0953969	230.6	-3303.98
253	20	0.100433	230.61	-3301.97
254	20	0.105474	230.621	-3299.86
255	20	0.110516	230.634	-3297.65
256	20	0.115562	230.647	-3295.34
257	20	0.12061	230.662	-3292.93
258	20	0.128189	230.678	-3290.37
259	20	0.133244	230.696	-3287.7
260	20	0.138305	230.715	-3284.94
261	20	0.143367	230.735	-3282.07
262	20	0.148434	230.757	-3279.1
263	20	0.153505	230.781	-3276.03
264	20	0.158579	230.806	-3272.86
265	20	0.166199	230.834	-3269.53
266	20	0.171285	230.863	-3266.11
267	20	0.176374	230.894	-3262.58
268	20	0.181468	230.927	-3258.95
269	20	0.186567	230.962	-3255.22
270	20	0.191671	230.999	-3251.39
271	20	0.196779	231.037	-3247.45
272	20	0.201894	231.078	-3243.41
273	20	0.209575	231.122	-3239.22
274	20	0.214702	231.168	-3234.93
275	20	0.219834	231.217	-3230.53
276	20	0.224974	231.267	-3226.03
277	20	0.230118	231.32	-3221.43
278	20	0.235269	231.375	-3216.72
279	20	0.240426	231.433	-3211.91
280	20	0.248174	231.495	-3206.95
281	20	0.253347	231.559	-3201.88
282	20	0.258527	231.626	-3196.71
283	20	0.263715	231.695	-3191.44
284	20	0.268908	231.768	-3186.06
285	20	0.27411	231.843	-3180.58
286	20	0.279319	231.921	-3174.99
287	20	0.284535	232.002	-3169.3
288	20	0.292375	232.087	-3163.45
289	20	0.297612	232.176	-3157.5
290	20	0.302855	232.268	-3151.45
291	20	0.308108	232.363	-3145.28
292	20	0.31337	232.461	-3139.02
293	20	0.318639	232.562	-3132.64
294	20	0.323919	232.667	-3126.16
295	20	0.329206	232.776	-3119.58
296	20	0.337155	232.889	-3112.84
297	20	0.342466	233.007	-3105.99
298	20	0.347787	233.128	-3099.03
299	20	0.353118	233.252	-3091.97
300	20	0.358459	233.381	-3084.8
301	20	0.363809	233.513	-3077.52
302	20	0.369171	233.649	-3070.14
303	20	0.377233	233.792	-3062.6
304	20	0.382622	233.938	-3054.94
305	20	0.388022	234.089	-3047.18
306	20	0.393433	234.243	-3039.31
307	20	0.398855	234.403	-3031.34
308	20	0.40429	234.566	-3023.25
309	20	0.409735	234.734	-3015.06
310	20	0.415193	234.906	-3006.75
311	20	0.423405	235.086	-2998.29
312	20	0.428895	235.269	-2989.71
313	20	0.434397	235.458	-2981.02
314	20	0.439913	235.652	-2972.22
315	20	0.445443	235.85	-2963.31
316	20	0.450985	236.053	-2954.29
317	20	0.456542	236.262	-2945.16
318	20	0.464904	236.478	-2935.86
319	20	0.470498	236.699	-2926.45
320	20	0.476105	236.926	-2916.93
321	20	0.481728	237.158	-2907.3
322	20	0.487364	237.396	-2897.55
323	20	0.493018	237.639	-2887.69
324	20	0.498687	237.887	-2877.72
325	20	0.504372	238.142	-2867.63
326	20	0.51293	238.405	-2857.37
327	20	0.518658	238.674	-2847
328	20	0.524401	238.949	-2836.51
329	20	0.530162	239.23	-2825.91
330	20	0.53594	239.517	-2815.19
331	20	0.541736	239.811	-2804.35
332	20	0.547551	240.111	-2793.4
333	20	0.556308	240.42	-2782.27
334	20	0.56217	240.736	-2771.03

335	20	0.568052	241.059	-2759.67
336	20	0.573953	241.388	-2748.19
337	20	0.579873	241.724	-2736.59
338	20	0.585815	242.068	-2724.88
339	20	0.591776	242.418	-2713.04
340	20	0.597761	242.775	-2701.09
341	20	0.606775	243.143	-2688.95
342	20	0.612813	243.519	-2676.69
343	20	0.618872	243.902	-2664.32
344	20	0.624956	244.292	-2651.82
345	20	0.631062	244.691	-2639.2
346	20	0.637192	245.097	-2626.45
347	20	0.643345	245.511	-2613.59
348	20	0.652622	245.936	-2600.53
349	20	0.658838	246.371	-2587.36
350	20	0.665079	246.813	-2574.06
351	20	0.671346	247.264	-2560.63
352	20	0.677639	247.723	-2547.08
353	20	0.68396	248.191	-2533.4
354	20	0.690309	248.667	-2519.59
355	20	0.696684	249.152	-2505.66
356	20	0.706302	249.651	-2491.53
357	20	0.712751	250.159	-2477.28
358	20	0.719228	250.677	-2462.89
359	20	0.725736	251.203	-2448.38
360	20	0.732275	251.74	-2433.73
361	20	0.738846	252.285	-2418.95
362	20	0.745449	252.841	-2404.04
363	20	0.752084	253.407	-2389
364	20	0.7621	253.988	-2373.76
365	20	0.768821	254.579	-2358.38
366	20	0.775574	255.18	-2342.87
367	20	0.782366	255.792	-2327.23
368	20	0.789191	256.415	-2311.44
369	20	0.796056	257.049	-2295.52
370	20	0.802956	257.693	-2279.46
371	20	0.813379	258.355	-2263.19
372	20	0.820379	259.028	-2246.79
373	20	0.827417	259.713	-2230.24
374	20	0.834498	260.409	-2213.55
375	20	0.841621	261.117	-2196.72
376	20	0.848786	261.838	-2179.74
377	20	0.855996	262.571	-2162.62
378	20	0.863249	263.316	-2145.36
379	20	0.874218	264.08	-2127.87
380	20	0.881587	264.857	-2110.24
381	20	0.889006	265.648	-2092.46
382	20	0.896473	266.451	-2074.53
383	20	0.903992	267.268	-2056.45
384	20	0.911562	268.099	-2038.22
385	20	0.919183	268.944	-2019.84
386	20	0.930718	269.811	-2001.22
387	20	0.938476	270.691	-1982.45
388	20	0.946291	271.587	-1963.53
389	20	0.954165	272.497	-1944.44
390	20	0.9621	273.423	-1925.2
391	20	0.970094	274.364	-1905.8
392	20	0.97815	275.321	-1886.24
393	20	0.986272	276.293	-1866.51
394	20	0.998575	277.291	-1846.54
395	20	1.00687	278.304	-1826.4
396	20	1.01522	279.335	-1806.1
397	20	1.02365	280.383	-1785.62
398	20	1.03215	281.448	-1764.98
399	20	1.04073	282.531	-1744.17
400	20	1.04939	283.633	-1723.18
401	20	1.06252	284.761	-1701.93
402	20	1.07138	285.909	-1680.5
403	20	1.08032	287.076	-1658.89
404	20	1.08935	288.263	-1637.11
405	20	1.09847	289.47	-1615.14
406	20	1.10768	290.697	-1592.98
407	20	1.11699	291.944	-1570.64
408	20	1.12639	293.213	-1548.12
409	20	1.14069	294.514	-1525.3
410	20	1.15035	295.838	-1502.3
411	20	1.16012	297.183	-1479.09
412	20	1.17	298.552	-1455.69
413	20	1.18	299.945	-1432.09
414	20	1.19012	301.361	-1408.29
415	20	1.20036	302.802	-1384.28
416	20	1.21073	304.268	-1360.07
417	20	1.22653	305.772	-1335.54
418	20	1.23724	307.303	-1310.79
419	20	1.24809	308.861	-1285.83
420	20	1.25908	310.446	-1260.65

421	20	1.27024	312.06	-1235.25
422	20	1.28155	313.702	-1209.61
423	20	1.29303	315.374	-1183.75
424	20	1.31058	317.091	-1157.54
425	20	1.32251	318 84	-1131.09
426	20	1.33462	320.622	-1104.4
427	20	1 34694	322.436	-1077.46
428	20	1.35946	324 284	-1050.27
429	20	1.3722	326.167	-1022.83
430	20	1.38517	328.086	-995.124
431	20	1 39838	330.041	-967.156
432	20	1 41865	332.054	-938.783
433	20	1 4325	334.106	-910.133
434	20	1.44663	336.199	-881.201
435	20	1.46106	338.333	-851.98
436	20	1.47579	340.511	-822.464
437	20	1 49085	342.734	-792.647
438	20	1.50626	345.003	-762.521
439	20	1.53007	347.344	-731.92
440	20	1 54643	349 735	-700.991
441	20	1.56322	352.179	-669.727
442	20	1.58047	354.677	-638.118
443	20	1 59819	357.231	-606.154
444	20	1.61644	359.844	-573.825
445	20	1.63524	362.518	-541.121
446	20	1.65463	365.256	-508.028
447	20	1.68494	368.095	-474.329
448	20	1.70604	371.005	-440.208
449	20	1 72793	373.991	-405.65
450	20	1.75069	377.056	-370.636
451	20	1.77438	380.204	-335.148
452	20	1 79912	383.441	-299.166
453	20	1.82501	386.772	-262.666
454	20	1.86629	390.255	-225.34
455	20	1.8957	393.848	-187 426
456	20	1.92684	397.561	-148.889
457	20	1.95996	401.403	-109.69
458	20	1.99539	405.384	-69.7823
459	20	2.03352	409.519	-29.1119
460	22	2 07485	413.824	16.5347
461	23	2.12007	418.319	65.2963
462	24	2.19728	423.147	118.031
463	29	2.25713	428.242	183.488
464	30	2.32634	433.654	253.278
465	34	2.40892	439.457	335.182
466	38	2 51213	445.767	430.643
467	48	2.65209	452.801	557.943
468	69	2 87815	461.085	756.535

Data Set Standard Deviation = 3.74552
Numerator = 572346
Denominator = 3.0208e+006
W Statistic = 0.189468 = 572346 / 3.0208e+006

5% Critical value of 0.976 exceeds 0.189468
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.189468
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 = 468

	x(i)	m(i)	sum(m^2)	sum(mx)
1	0 7	-2.87815	8.28375	-2.01471
2	0.7	-2.65209	15.3173	-3.87117
3	1 6	-2.51213	21.6281	-7.89058
4	1.65	-2.40892	27.431	-11.8653
5	1.8	-2 32634	32.8429	-16.0527
6	2 02	-2.25713	37 9375	-20.6121
7	2 02	-2.19728	42.7656	-25.0506
8	2.1	-2.12007	47.2603	-29.5028
9	2.2	-2.07485	51 5653	-34.0674
10	2 3	-2.03352	55.7005	-38.7445
11	3.27	-1.99539	59.6821	-45.2695
12	3.4	-1 95996	63.5235	-51 9334
13	3.65	-1.92684	67.2362	-58.9663
14	3.66	-1.8957	70.8299	-65.9046
15	3.92	-1.86629	74.313	-73.2204
16	4	-1.82501	77.6436	-80.5204
17	4 06	-1.79912	80.8804	-87.8249
18	4.1	-1.77438	84.0288	-95.0998
19	4.29	-1 75069	87.0937	-102.61
20	4 6	-1.72793	90.0795	-110.559
21	5	-1 70604	92.9901	-119.089
22	5	-1 68494	95.8291	-127.514
23	5.76	-1.65463	98.5669	-137.044
24	6	-1.63524	101.241	-146.856
25	6	-1.61644	103.854	-156.554
26	6.2	-1.59819	106.408	-166.463
27	6.24	-1.58047	108.906	-176.325
28	6.4	-1.56322	111.349	-186.33
29	6.8	-1.54643	113.741	-196.846
30	7	-1.53007	116 082	-207.556
31	7	-1.50626	118.351	-218.1
32	8.15	-1.49085	120.574	-230.25
33	8.5	-1.47579	122.751	-242.795
34	9	-1.46106	124.886	-255.944
35	9.1	-1.44663	126 979	-269.108
36	9.44	-1.4325	129.031	-282.631
37	10	-1.41865	131.044	-296.818
38	11	-1.39838	132.999	-312.2
39	11	-1.38517	134 918	-327.437
40	14.4	-1 3722	136.801	-347.197
41	14.5	-1.35946	138.649	-366.909
42	15	-1.34694	140.463	-387.113
43	15	-1 33462	142.244	-407.132
44	15	-1.32251	143.993	-426.97
45	15.4	-1.31058	145.711	-447.153
46	25	-1.29303	147.383	-479.479
47	25	-1.28155	149.025	-511.517
48	40	-1.27024	150.639	-562.327
49	40	-1.25908	152.224	-612.69
50	40	-1.24809	153.782	-662 614
51	40	-1.23724	155 312	-712 103
52	40	-1.22653	156.817	-761.164
53	40	-1.21073	158.283	-809.593
54	40	-1.20036	159 724	-857.608
55	40	-1.19012	161.14	-905.212
56	40	-1.18	162.532	-952 412
57	40	-1.17	163.901	-999.213
58	40	-1.16012	165 247	-1045.62
59	40	-1.15035	166.57	-1091.63
60	40	-1.14069	167.872	-1137.26
61	40	-1.12639	169.14	-1182 31
62	40	-1 11699	170.388	-1226.99
63	40	-1.10768	171.615	-1271 3
64	40	-1 09847	172.822	-1315.24
65	40	-1.08935	174.008	-1358.81
66	40	-1.08032	175.175	-1402.03
67	40	-1.07138	176.323	-1444.88
68	40	-1.06252	177.452	-1487.38
69	40	-1.04939	178.553	-1529.36
70	40	-1.04073	179.637	-1570.99
71	40	-1.03215	180.702	-1612 27
72	40	-1 02365	181.75	-1653.22
73	40	-1.01522	182.78	-1693.83
74	40	-1.00687	183.794	-1734.1
75	40	-0.998575	184.791	-1774.05
76	40	-0.986272	185.764	-1813.5

77	40	-0.97815	186.721	-1852.62
78	40	-0.970094	187.662	-1891.43
79	40	-0.9621	188.588	-1929.91
80	40	-0.954165	189.498	-1968.08
81	40	-0.946291	190.393	-2005.93
82	40	-0.938476	191.274	-2043.47
83	40	-0.930718	192.14	-2080.7
84	40	-0.919183	192.985	-2117.46
85	40	-0.911562	193.816	-2153.93
86	40	-0.903992	194.633	-2190.09
87	40	-0.896473	195.437	-2225.95
88	40	-0.889006	196.227	-2261.51
89	40	-0.881587	197.005	-2296.77
90	40	-0.874218	197.769	-2331.74
91	40	-0.863249	198.514	-2366.27
92	40	-0.855996	199.247	-2400.51
93	40	-0.848786	199.967	-2434.46
94	40	-0.841621	200.676	-2468.12
95	40	-0.834498	201.372	-2501.5
96	40	-0.827417	202.057	-2534.6
97	40	-0.820379	202.73	-2567.42
98	40	-0.813379	203.391	-2599.95
99	40	-0.802956	204.036	-2632.07
100	40	-0.796056	204.67	-2663.91
101	40	-0.789191	205.292	-2695.48
102	40	-0.782366	205.905	-2726.77
103	40	-0.775574	206.506	-2757.8
104	40	-0.768821	207.097	-2788.55
105	40	-0.7621	207.678	-2819.03
106	40	-0.752084	208.244	-2849.12
107	40	-0.745449	208.799	-2878.93
108	40	-0.738846	209.345	-2908.49
109	40	-0.732275	209.881	-2937.78
110	40	-0.725736	210.408	-2966.81
111	40	-0.719228	210.925	-2995.58
112	40	-0.712751	211.433	-3024.09
113	40	-0.706302	211.932	-3052.34
114	40	-0.696684	212.418	-3080.21
115	40	-0.690309	212.894	-3107.82
116	40	-0.68396	213.362	-3135.18
117	40	-0.677639	213.821	-3162.28
118	40	-0.671346	214.272	-3189.14
119	40	-0.665079	214.714	-3215.74
120	40	-0.658838	215.148	-3242.09
121	40	-0.652622	215.574	-3268.2
122	40	-0.643345	215.988	-3293.93
123	40	-0.637192	216.394	-3319.42
124	40	-0.631062	216.792	-3344.66
125	40	-0.624956	217.183	-3369.66
126	40	-0.618872	217.566	-3394.42
127	40	-0.612813	217.941	-3418.93
128	40	-0.606775	218.31	-3443.2
129	40	-0.597761	218.667	-3467.11
130	40	-0.591776	219.017	-3490.78
131	40	-0.585815	219.36	-3514.21
132	40	-0.579873	219.697	-3537.41
133	40	-0.573953	220.026	-3560.37
134	40	-0.568052	220.349	-3583.09
135	40	-0.56217	220.665	-3605.58
136	40	-0.556308	220.974	-3627.83
137	40	-0.547551	221.274	-3649.73
138	40	-0.541736	221.567	-3671.4
139	40	-0.53594	221.855	-3692.84
140	40	-0.530162	222.136	-3714.04
141	40	-0.524401	222.411	-3735.02
142	40	-0.518658	222.68	-3755.77
143	40	-0.51293	222.943	-3776.28
144	40	-0.504372	223.197	-3796.46
145	40	-0.498687	223.446	-3816.41
146	40	-0.493018	223.689	-3836.13
147	40	-0.487364	223.927	-3855.62
148	40	-0.481728	224.159	-3874.89
149	40	-0.476105	224.385	-3893.93
150	40	-0.470498	224.607	-3912.75
151	40	-0.464904	224.823	-3931.35
152	40	-0.456542	225.031	-3949.61
153	40	-0.450985	225.235	-3967.65
154	40	-0.445443	225.433	-3985.47
155	40	-0.439913	225.627	-4003.07
156	40	-0.434397	225.815	-4020.44
157	40	-0.428895	225.999	-4037.6
158	40	-0.423405	226.178	-4054.53
159	40	-0.415193	226.351	-4071.14
160	40	-0.409735	226.519	-4087.53
161	40	-0.40429	226.682	-4103.7
162	40	-0.398855	226.841	-4119.66

163	40	-0.393433	226.996	-4135.39
164	40	-0.388022	227.147	-4150.91
165	40	-0.382622	227.293	-4166.22
166	40	-0.377233	227.435	-4181.31
167	40	-0.369171	227.572	-4196.08
168	40	-0.363809	227.704	-4210.63
169	40	-0.358459	227.832	-4224.97
170	40	-0.353118	227.957	-4239.09
171	40	-0.347787	228.078	-4253
172	40	-0.342466	228.195	-4266.7
173	40	-0.337155	228.309	-4280.19
174	40	-0.329206	228.417	-4293.36
175	40	-0.323919	228.522	-4306.31
176	40	-0.318639	228.624	-4319.06
177	40	-0.31337	228.722	-4331.59
178	40	-0.308108	228.817	-4343.92
179	40	-0.302855	228.909	-4356.03
180	40	-0.297612	228.997	-4367.94
181	40	-0.292375	229.083	-4379.63
182	40	-0.284535	229.164	-4391.01
183	40	-0.279319	229.242	-4402.18
184	40	-0.27411	229.317	-4413.15
185	40	-0.268908	229.389	-4423.91
186	40	-0.263715	229.459	-4434.45
187	40	-0.258527	229.526	-4444.8
188	40	-0.253347	229.59	-4454.93
189	40	-0.248174	229.651	-4464.86
190	40	-0.240426	229.709	-4474.47
191	40	-0.235269	229.765	-4483.88
192	40	-0.230118	229.818	-4493.09
193	40	-0.224974	229.868	-4502.09
194	40	-0.219834	229.916	-4510.88
195	40	-0.214702	229.963	-4519.47
196	40	-0.209575	230.006	-4527.85
197	40	-0.201894	230.047	-4535.93
198	40	-0.196779	230.086	-4543.8
199	40	-0.191671	230.123	-4551.47
200	40	-0.186567	230.158	-4558.93
201	40	-0.181468	230.19	-4566.19
202	40	-0.176374	230.222	-4573.24
203	40	-0.171285	230.251	-4580.09
204	40	-0.166199	230.279	-4586.74
205	40	-0.158579	230.304	-4593.08
206	40	-0.153505	230.327	-4599.22
207	40	-0.148434	230.349	-4605.16
208	40	-0.143367	230.37	-4610.9
209	40	-0.138305	230.389	-4616.43
210	40	-0.133244	230.407	-4621.76
211	40	-0.128189	230.423	-4626.89
212	40	-0.12061	230.438	-4631.71
213	40	-0.115562	230.451	-4636.33
214	40	-0.110516	230.463	-4640.75
215	40	-0.105474	230.474	-4644.97
216	40	-0.100433	230.484	-4648.99
217	40	-0.0953969	230.494	-4652.81
218	40	-0.0903606	230.502	-4656.42
219	40	-0.0853288	230.509	-4659.83
220	40	-0.0777834	230.515	-4662.95
221	40	-0.0727562	230.52	-4665.86
222	40	-0.0677301	230.525	-4668.56
223	40	-0.0627062	230.529	-4671.07
224	40	-0.0576847	230.532	-4673.38
225	40	-0.0526632	230.535	-4675.49
226	40	-0.0476439	230.537	-4677.39
227	40	-0.0401167	230.539	-4679
228	40	-0.0350997	230.54	-4680.4
229	40	-0.0300838	230.541	-4681.6
230	40	-0.0250691	230.542	-4682.61
231	40	-0.0200544	230.542	-4683.41
232	40	-0.0150408	230.542	-4684.01
233	40	-0.0100272	230.542	-4684.41
234	40	-0.00501359	230.542	-4684.61
235	40	0.00501359	230.542	-4684.41
236	40	0.0100272	230.542	-4684.01
237	40	0 0150408	230.543	-4683.41
238	40	0.0200544	230.543	-4682.61
239	40	0.0250691	230.544	-4681.6
240	40	0.0300838	230.545	-4680.4
241	40	0.0350997	230.546	-4679
242	40	0.0401167	230.547	-4677.39
243	40	0.0476439	230.55	-4675.49
244	40	0.0526632	230.553	-4673.38
245	40	0.0576847	230.556	-4671.07
246	40	0.0627062	230.56	-4668.56
247	40	0.0677301	230.564	-4665.86
248	40	0.0727562	230.57	-4662.95

249	40	0.0777834	230.576	-4659.83
250	40	0.0853288	230.583	-4656.42
251	40	0.0903606	230.591	-4652.81
252	40	0.0953969	230.6	-4648.99
253	40	0.100433	230.61	-4644.97
254	40	0.105474	230.621	-4640.75
255	40	0.110516	230.634	-4636.33
256	40	0.115562	230.647	-4631.71
257	40	0.12061	230.662	-4626.89
258	40	0.128189	230.678	-4621.76
259	40	0.133244	230.696	-4616.43
260	40	0.138305	230.715	-4610.9
261	40	0.143367	230.735	-4605.16
262	40	0.148434	230.757	-4599.22
263	40	0.153505	230.781	-4593.08
264	40	0.158579	230.806	-4586.74
265	40	0.166199	230.834	-4580.09
266	40	0.171285	230.863	-4573.24
267	40	0.176374	230.894	-4566.19
268	40	0.181468	230.927	-4558.93
269	40	0.186567	230.962	-4551.47
270	40	0.191671	230.999	-4543.8
271	40	0.196779	231.037	-4535.93
272	40	0.201894	231.078	-4527.85
273	40	0.209575	231.122	-4519.47
274	40	0.214702	231.168	-4510.88
275	40	0.219834	231.217	-4502.09
276	40	0.224974	231.267	-4493.09
277	40	0.230118	231.32	-4483.88
278	40	0.235269	231.375	-4474.47
279	40	0.240426	231.433	-4464.86
280	40	0.248174	231.495	-4454.93
281	40	0.253347	231.559	-4444.8
282	40	0.258527	231.626	-4434.45
283	40	0.263715	231.695	-4423.91
284	40	0.268908	231.768	-4413.15
285	40	0.27411	231.843	-4402.18
286	40	0.279319	231.921	-4391.01
287	40	0.284535	232.002	-4379.63
288	40	0.292375	232.087	-4367.94
289	40	0.297612	232.176	-4356.03
290	40	0.302855	232.268	-4343.92
291	40	0.308108	232.363	-4331.59
292	40	0.31337	232.461	-4319.06
293	40	0.318639	232.562	-4306.31
294	40	0.323919	232.667	-4293.36
295	40	0.329206	232.776	-4280.19
296	40	0.337155	232.889	-4266.7
297	40	0.342466	233.007	-4253
298	40	0.347787	233.128	-4239.09
299	40	0.353118	233.252	-4224.97
300	40	0.358459	233.381	-4210.63
301	40	0.363809	233.513	-4196.08
302	40	0.369171	233.649	-4181.31
303	40	0.377233	233.792	-4166.22
304	40	0.382622	233.938	-4150.91
305	40	0.388022	234.089	-4135.39
306	40	0.393433	234.243	-4119.66
307	40	0.398855	234.403	-4103.7
308	40	0.40429	234.566	-4087.53
309	40	0.409735	234.734	-4071.14
310	40	0.415193	234.906	-4054.53
311	40	0.423405	235.086	-4037.6
312	40	0.428895	235.269	-4020.44
313	40	0.434397	235.458	-4003.07
314	40	0.439913	235.652	-3985.47
315	40	0.445443	235.85	-3967.65
316	40	0.450985	236.053	-3949.61
317	40	0.456542	236.262	-3931.35
318	40	0.464904	236.478	-3912.75
319	40	0.470498	236.699	-3893.93
320	40	0.476105	236.926	-3874.89
321	40	0.481728	237.158	-3855.62
322	40	0.487364	237.396	-3836.13
323	40	0.493018	237.639	-3816.41
324	40	0.498687	237.887	-3796.46
325	40	0.504372	238.142	-3776.28
326	40	0.51293	238.405	-3755.77
327	40	0.518658	238.674	-3735.02
328	40	0.524401	238.949	-3714.04
329	40	0.530162	239.23	-3692.84
330	40	0.53594	239.517	-3671.4
331	40	0.541736	239.811	-3649.73
332	40	0.547551	240.111	-3627.83
333	40	0.556308	240.42	-3605.58
334	40	0.56217	240.736	-3583.09

335	40	0.568052	241.059	-3560.37
336	40	0.573953	241.388	-3537.41
337	40	0.579873	241.724	-3514.21
338	40	0.585815	242.068	-3490.78
339	40	0.591776	242.418	-3467.11
340	40	0.597761	242.775	-3443.2
341	40	0.606775	243.143	-3418.93
342	40	0.612813	243.519	-3394.42
343	40	0.618872	243.902	-3369.66
344	40	0.624956	244.292	-3344.66
345	40	0.631062	244.691	-3319.42
346	40	0.637192	245.097	-3293.93
347	40	0.643345	245.511	-3268.2
348	40	0.652622	245.936	-3242.09
349	40	0.658838	246.371	-3215.74
350	40	0.665079	246.813	-3189.14
351	40	0.671346	247.264	-3162.28
352	40	0.677639	247.723	-3135.18
353	40	0.68396	248.191	-3107.82
354	40	0.690309	248.667	-3080.21
355	40	0.696684	249.152	-3052.34
356	40	0.706302	249.651	-3024.09
357	40	0.712751	250.159	-2995.58
358	40	0.719228	250.677	-2966.81
359	40	0.725736	251.203	-2937.78
360	40	0.732275	251.74	-2908.49
361	40	0.738846	252.285	-2878.93
362	40	0.745449	252.841	-2849.12
363	40	0.752084	253.407	-2819.03
364	40	0.7621	253.988	-2788.55
365	40	0.768821	254.579	-2757.8
366	40	0.775574	255.18	-2726.77
367	40	0.782366	255.792	-2695.48
368	40	0.789191	256.415	-2663.91
369	40	0.796056	257.049	-2632.07
370	40	0.802956	257.693	-2599.95
371	40	0.813379	258.355	-2567.42
372	40	0.820379	259.028	-2534.6
373	40	0.827417	259.713	-2501.5
374	40	0.834498	260.409	-2468.12
375	40	0.841621	261.117	-2434.46
376	40	0.848786	261.838	-2400.51
377	40	0.855996	262.571	-2366.27
378	40	0.863249	263.316	-2331.74
379	40	0.874218	264.08	-2296.77
380	40	0.881587	264.857	-2261.51
381	40	0.889006	265.648	-2225.95
382	40	0.896473	266.451	-2190.09
383	40	0.903992	267.268	-2153.93
384	40	0.911562	268.099	-2117.46
385	40	0.919183	268.944	-2080.7
386	40	0.930718	269.811	-2043.47
387	40	0.938476	270.691	-2005.93
388	40	0.946291	271.587	-1968.08
389	40	0.954165	272.497	-1929.91
390	40	0.9621	273.423	-1891.43
391	40	0.970094	274.364	-1852.62
392	40	0.97815	275.321	-1813.5
393	40	0.986272	276.293	-1774.05
394	40	0.998575	277.291	-1734.1
395	40	1.00687	278.304	-1693.83
396	40	1.01522	279.335	-1653.22
397	41	1.02365	280.383	-1611.25
398	42	1.03215	281.448	-1567.9
399	42	1.04073	282.531	-1524.19
400	43	1.04939	283.633	-1479.07
401	44	1.06252	284.761	-1432.31
402	44	1.07138	285.909	-1385.17
403	44	1.08032	287.076	-1337.64
404	45	1.08935	288.263	-1288.62
405	45	1.09847	289.47	-1239.19
406	46	1.10768	290.697	-1188.23
407	47	1.11699	291.944	-1135.74
408	48	1.12639	293.213	-1081.67
409	48	1.14069	294.514	-1026.92
410	48	1.15035	295.838	-971.699
411	50	1.16012	297.183	-913.693
412	50.1	1.17	298.552	-855.076
413	51	1.18	299.945	-794.896
414	51	1.19012	301.361	-734.2
415	52	1.20036	302.802	-671.781
416	53	1.21073	304.268	-607.613
417	55.8	1.22653	305.772	-539.173
418	59	1.23724	307.303	-466.176
419	59	1.24809	308.861	-392.539
420	62	1.25908	310.446	-314.475

421	63.2	1.27024	312.06	-234.196
422	63.2	1.28155	313.702	-153.202
423	66	1.29303	315.374	-67.8622
424	67	1.31058	317.091	19.9466
425	67	1.32251	318.84	108.554
426	68	1.33462	320.622	199.309
427	69	1.34694	322.436	292.248
428	72	1.35946	324.284	390.129
429	74.9	1.3722	326.167	492.907
430	75	1.38517	328.086	596.795
431	75	1 39838	330.041	701.673
432	75	1.41865	332.054	808.072
433	76	1.4325	334.106	916.942
434	77	1.44663	336.199	1028.33
435	78	1.46106	338.333	1142.3
436	78	1 47579	340.511	1257.41
437	79.1	1 49085	342.734	1375.33
438	83	1.50626	345.003	1500.35
439	84	1.53007	347.344	1628.88
440	86	1.54643	349.735	1761.87
441	86	1.56322	352.179	1896.31
442	98	1.58047	354 677	2051.19
443	100	1.59819	357.231	2211.01
444	101	1.61644	359.844	2374.27
445	104	1.63524	362.518	2544.34
446	110	1.65463	365.256	2726.35
447	110	1.68494	368.095	2911.69
448	113	1.70604	371.005	3104.47
449	124	1 72793	373.991	3318.74
450	130	1.75069	377.056	3546.33
451	130	1.77438	380.204	3777
452	138	1.79912	383.441	4025.27
453	140	1.82501	386.772	4280.77
454	160	1 86629	390.255	4579.38
455	170	1.8957	393.848	4901.65
456	180	1 92684	397.561	5248.48
457	195	1.95996	401.403	5630.67
458	199	1.99539	405.384	6027.76
459	208	2.03352	409.519	6450.73
460	220	2 07485	413.824	6907.2
461	220	2.12007	418.319	7373.61
462	230	2.19728	423.147	7878.99
463	250	2.25713	428.242	8443.27
464	280	2.32634	433.654	9094.64
465	340	2.40892	439.457	9913.68
466	410	2.51213	445.767	10943.7
467	410	2.65209	452.801	12031
468	524	2.87815	461.085	13539.2

Data Set Standard Deviation = 47 4845
Numerator = 1.83309e+008
Denominator = 4.85513e+008
W Statistic = 0 377557 = 1 83309e+008 / 4.85513e+008

5% Critical value of 0.976 exceeds 0.377557
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.377557
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 = 468

	x(i)	m(i)	sum(m^2)	sum(mx)
1	1 3	-2 87815	8 28375	-3.7416
2	2.2	-2.65209	15.3173	-9.57619
3	2.5	-2.51213	21.6281	-15.8565
4	2 5	-2 40892	27.431	-21 8788
5	3	-2 32634	32.8429	-28.8579
6	3.5	-2.25713	37.9375	-36.7578
7	3.7	-2 19728	42.7656	-44.8878
8	4 03	-2.12007	47.2603	-53.4316
9	4.08	-2.07485	51.5653	-61 897
10	4.2	-2.03352	55.7005	-70.4378
11	4.7	-1.99539	59.6821	-79.8162
12	4.87	-1.95996	63.5235	-89.3612
13	5	-1.92684	67.2362	-98.9954
14	5.1	-1.8957	70.8299	-108.663
15	5.7	-1.86629	74.313	-119.301
16	5.77	-1.82501	77.6436	-129.832
17	6	-1 79912	80.8804	-140.626
18	6	-1.77438	84.0288	-151.273
19	6.28	-1.75069	87.0937	-162.267
20	6.49	-1 72793	90.0795	-173.481
21	7.1	-1.70604	92.9901	-185.594
22	7.2	-1.68494	95.8291	-197.726
23	7.31	-1.65463	98.5669	-209.821
24	7 66	-1.63524	101.241	-222.347
25	7.8	-1.61644	103.854	-234.955
26	8.7	-1 59819	106.408	-248.859
27	8.88	-1.58047	108.906	-262.894
28	9.4	-1.56322	111.349	-277.588
29	10	-1 54643	113 741	-293.052
30	11	-1.53007	116.082	-309.883
31	12	-1.50626	118.351	-327.958
32	14	-1 49085	120.574	-348.83
33	15	-1.47579	122.751	-370.967
34	18	-1.46106	124.886	-397.266
35	20	-1.44663	126.979	-426.199
36	20	-1.4325	129.031	-454.849
37	20.5	-1.41865	131.044	-483.931
38	21	-1.39838	132.999	-513.297
39	21 6	-1.38517	134.918	-543.217
40	22	-1.3722	136 801	-573.405
41	25	-1 35946	138.649	-607.392
42	25	-1.34694	140.463	-641.065
43	30	-1.33462	142.244	-681.104
44	30	-1.32251	143.993	-720.779
45	30	-1 31058	145.711	-760.097
46	30	-1.29303	147.383	-798.888
47	36	-1.28155	149.025	-845.023
48	36	-1.27024	150.639	-890.752
49	37.5	-1.25908	152.224	-937.968
50	38	-1.24809	153.782	-985 395
51	48	-1.23724	155.312	-1044.78
52	48.5	-1.22653	156.817	-1104.27
53	50	-1.21073	158.283	-1164.81
54	50	-1.20036	159.724	-1224.82
55	50	-1.19012	161.14	-1284.33
56	50	-1.18	162.532	-1343.33
57	50	-1.17	163.901	-1401.83
58	50	-1.16012	165.247	-1459.84
59	50	-1 15035	166.57	-1517.35
60	50	-1.14069	167.872	-1574.39
61	50	-1.12639	169.14	-1630.71
62	50	-1.11699	170.388	-1686.56
63	50	-1.10768	171.615	-1741 94
64	50	-1.09847	172.822	-1796.86
65	50	-1.08935	174.008	-1851.33
66	50	-1.08032	175.175	-1905.35
67	50	-1.07138	176.323	-1958.92
68	50	-1.06252	177.452	-2012.04
69	50	-1.04939	178.553	-2064.51
70	50	-1.04073	179.637	-2116.55
71	50	-1.03215	180.702	-2168.16
72	50	-1.02365	181.75	-2219.34
73	50	-1.01522	182.78	-2270.1
74	50	-1.00687	183.794	-2320.44
75	50	-0.998575	184.791	-2370.37
76	50	-0.986272	185.764	-2419.68

77	50	-0.97815	186.721	-2468.59
78	50	-0.970094	187.662	-2517.1
79	50	-0.9621	188.588	-2565.2
80	50	-0.954165	189.498	-2612.91
81	50	-0.946291	190.393	-2660.22
82	50	-0.938476	191.274	-2707.15
83	50	-0.930718	192.14	-2753.68
84	50	-0.919183	192.985	-2799.64
85	50	-0.911562	193.816	-2845.22
86	50	-0.903992	194.633	-2890.42
87	50	-0.896473	195.437	-2935.25
88	50	-0.889006	196.227	-2979.7
89	50	-0.881587	197.005	-3023.77
90	50	-0.874218	197.769	-3067.49
91	50	-0.863249	198.514	-3110.65
92	50	-0.855996	199.247	-3153.45
93	50	-0.848786	199.967	-3195.89
94	50	-0.841621	200.676	-3237.97
95	50	-0.834498	201.372	-3279.69
96	50	-0.827417	202.057	-3321.06
97	50	-0.820379	202.73	-3362.08
98	50	-0.813379	203.391	-3402.75
99	50	-0.802956	204.036	-3442.9
100	50	-0.796056	204.67	-3482.7
101	50	-0.789191	205.292	-3522.16
102	50	-0.782366	205.905	-3561.28
103	50	-0.775574	206.506	-3600.06
104	50	-0.768821	207.097	-3638.5
105	50	-0.7621	207.678	-3676.61
106	50	-0.752084	208.244	-3714.21
107	50	-0.745449	208.799	-3751.48
108	50	-0.738846	209.345	-3788.42
109	50	-0.732275	209.881	-3825.04
110	50	-0.725736	210.408	-3861.32
111	50	-0.719228	210.925	-3897.29
112	50	-0.712751	211.433	-3932.92
113	50	-0.706302	211.932	-3968.24
114	50	-0.696684	212.418	-4003.07
115	50	-0.690309	212.894	-4037.59
116	50	-0.68396	213.362	-4071.79
117	50	-0.677639	213.821	-4105.67
118	50	-0.671346	214.272	-4139.24
119	50	-0.665079	214.714	-4172.49
120	50	-0.658838	215.148	-4205.43
121	50	-0.652622	215.574	-4238.06
122	50	-0.643345	215.988	-4270.23
123	50	-0.637192	216.394	-4302.09
124	50	-0.631062	216.792	-4333.64
125	50	-0.624956	217.183	-4364.89
126	50	-0.618872	217.566	-4395.83
127	50	-0.612813	217.941	-4426.47
128	50	-0.606775	218.31	-4456.81
129	50	-0.597761	218.667	-4486.7
130	50	-0.591776	219.017	-4516.29
131	50	-0.585815	219.36	-4545.58
132	50	-0.579873	219.697	-4574.57
133	50	-0.573953	220.026	-4603.27
134	50	-0.568052	220.349	-4631.67
135	50	-0.56217	220.665	-4659.78
136	50	-0.556308	220.974	-4687.6
137	50	-0.547551	221.274	-4714.98
138	50	-0.541736	221.567	-4742.06
139	50	-0.53594	221.855	-4768.86
140	50	-0.530162	222.136	-4795.37
141	50	-0.524401	222.411	-4821.59
142	50	-0.518658	222.68	-4847.52
143	50	-0.51293	222.943	-4873.17
144	50	-0.504372	223.197	-4898.39
145	50	-0.498687	223.446	-4923.32
146	50	-0.493018	223.689	-4947.97
147	50	-0.487364	223.927	-4972.34
148	50	-0.481728	224.159	-4996.43
149	50	-0.476105	224.385	-5020.23
150	50	-0.470498	224.607	-5043.76
151	50	-0.464904	224.823	-5067
152	50	-0.456542	225.031	-5089.83
153	50	-0.450985	225.235	-5112.38
154	50	-0.445443	225.433	-5134.65
155	50	-0.439913	225.627	-5156.65
156	50	-0.434397	225.815	-5178.37
157	50	-0.428895	225.999	-5199.81
158	50	-0.423405	226.178	-5220.98
159	50	-0.415193	226.351	-5241.74
160	50	-0.409735	226.519	-5262.23
161	50	-0.40429	226.682	-5282.44
162	50	-0.398855	226.841	-5302.38

163	50	-0.393433	226.996	-5322.06
164	50	-0.388022	227.147	-5341.46
165	50	-0.382622	227.293	-5360.59
166	50	-0.377233	227.435	-5379.45
167	50	-0.369171	227.572	-5397.91
168	50	-0.363809	227.704	-5416.1
169	50	-0.358459	227.832	-5434.02
170	50	-0.353118	227.957	-5451.68
171	50	-0.347787	228.078	-5469.07
172	50	-0.342466	228.195	-5486.19
173	50	-0.337155	228.309	-5503.05
174	50	-0.329206	228.417	-5519.51
175	50	-0.323919	228.522	-5535.7
176	50	-0.318639	228.624	-5551.64
177	50	-0.31337	228.722	-5567.3
178	50	-0.308108	228.817	-5582.71
179	50	-0.302855	228.909	-5597.85
180	50	-0.297612	228.997	-5612.73
181	50	-0.292375	229.083	-5627.35
182	50	-0.284535	229.164	-5641.58
183	50	-0.279319	229.242	-5655.54
184	50	-0.27411	229.317	-5669.25
185	50	-0.268908	229.389	-5682.7
186	50	-0.263715	229.459	-5695.88
187	50	-0.258527	229.526	-5708.81
188	50	-0.253347	229.59	-5721.48
189	50	-0.248174	229.651	-5733.88
190	50	-0.240426	229.709	-5745.91
191	50	-0.235269	229.765	-5757.67
192	50	-0.230118	229.818	-5769.17
193	50	-0.224974	229.868	-5780.42
194	50	-0.219834	229.916	-5791.41
195	50	-0.214702	229.963	-5802.15
196	50	-0.209575	230.006	-5812.63
197	50	-0.201894	230.047	-5822.72
198	50	-0.196779	230.086	-5832.56
199	50	-0.191671	230.123	-5842.15
200	50	-0.186567	230.158	-5851.47
201	50	-0.181468	230.19	-5860.55
202	50	-0.176374	230.222	-5869.37
203	50	-0.171285	230.251	-5877.93
204	50	-0.166199	230.279	-5886.24
205	50	-0.158579	230.304	-5894.17
206	50	-0.153505	230.327	-5901.84
207	50	-0.148434	230.349	-5909.27
208	50	-0.143367	230.37	-5916.43
209	50	-0.138305	230.389	-5923.35
210	50	-0.133244	230.407	-5930.01
211	50	-0.128189	230.423	-5936.42
212	50	-0.12061	230.438	-5942.45
213	50	-0.115562	230.451	-5948.23
214	50	-0.110516	230.463	-5953.76
215	50	-0.105474	230.474	-5959.03
216	50	-0.100433	230.484	-5964.05
217	50	-0.0953969	230.494	-5968.82
218	50	-0.0903606	230.502	-5973.34
219	50	-0.0853288	230.509	-5977.61
220	50	-0.0777834	230.515	-5981.5
221	50	-0.0727562	230.52	-5985.13
222	50	-0.0677301	230.525	-5988.52
223	50	-0.0627062	230.529	-5991.65
224	50	-0.0576847	230.532	-5994.54
225	50	-0.0526632	230.535	-5997.17
226	50	-0.0476439	230.537	-5999.55
227	50	-0.0401167	230.539	-6001.56
228	50	-0.0350997	230.54	-6003.32
229	50	-0.0300838	230.541	-6004.82
230	50	-0.0250691	230.542	-6006.07
231	50	-0.0200544	230.542	-6007.08
232	50	-0.0150408	230.542	-6007.83
233	50	-0.0100272	230.542	-6008.33
234	50	-0.00501359	230.542	-6008.58
235	50	0.00501359	230.542	-6008.33
236	50	0.0100272	230.542	-6007.83
237	50	0.0150408	230.543	-6007.08
238	50	0.0200544	230.543	-6006.07
239	50	0 0250691	230.544	-6004.82
240	50	0.0300838	230.545	-6003.32
241	50	0.0350997	230.546	-6001.56
242	50	0.0401167	230.547	-5999.55
243	50	0.0476439	230.55	-5997.17
244	50	0.0526632	230.553	-5994.54
245	50	0.0576847	230.556	-5991.65
246	50	0.0627062	230.56	-5988.52
247	50	0.0677301	230.564	-5985.13
248	50	0.0727562	230.57	-5981.5

249	50	0.0777834	230.576	-5977.61
250	50	0.0853288	230.583	-5973.34
251	50	0.0903606	230.591	-5968.82
252	50	0.0953969	230.6	-5964.05
253	50	0.100433	230.61	-5959.03
254	50	0.105474	230.621	-5953.76
255	50	0.110516	230.634	-5948.23
256	50	0.115562	230.647	-5942.45
257	50	0.12061	230.662	-5936.42
258	50	0.128189	230.678	-5930.01
259	50	0.133244	230.696	-5923.35
260	50	0.138305	230.715	-5916.43
261	50	0.143367	230.735	-5909.27
262	50	0.148434	230.757	-5901.84
263	50	0.153505	230.781	-5894.17
264	50	0.158579	230.806	-5886.24
265	50	0.166199	230.834	-5877.93
266	50	0.171285	230.863	-5869.37
267	50	0.176374	230.894	-5860.55
268	50	0.181468	230.927	-5851.47
269	50	0.186567	230.962	-5842.15
270	50	0.191671	230.999	-5832.56
271	50	0.196779	231.037	-5822.72
272	50	0.201894	231.078	-5812.63
273	50	0.209575	231.122	-5802.15
274	50	0.214702	231.168	-5791.41
275	50	0.219834	231.217	-5780.42
276	50	0.224974	231.267	-5769.17
277	50	0.230118	231.32	-5757.67
278	50	0.235269	231.375	-5745.91
279	50	0.240426	231.433	-5733.88
280	50	0.248174	231.495	-5721.48
281	50	0.253347	231.559	-5708.81
282	50	0.258527	231.626	-5695.88
283	50	0.263715	231.695	-5682.7
284	50	0.268908	231.768	-5669.25
285	50	0.27411	231.843	-5655.54
286	50	0.279319	231.921	-5641.58
287	50	0.284535	232.002	-5627.35
288	50	0.292375	232.087	-5612.73
289	50	0.297612	232.176	-5597.85
290	50	0.302855	232.268	-5582.71
291	50	0.308108	232.363	-5567.3
292	50	0.31337	232.461	-5551.64
293	50	0.318639	232.562	-5535.7
294	50	0.323919	232.667	-5519.51
295	50	0.329206	232.776	-5503.05
296	50	0.337155	232.889	-5486.19
297	50	0.342466	233.007	-5469.07
298	50	0.347787	233.128	-5451.68
299	50	0.353118	233.252	-5434.02
300	50	0.358459	233.381	-5416.1
301	50	0.363809	233.513	-5397.91
302	50	0.369171	233.649	-5379.45
303	50	0.377233	233.792	-5360.59
304	50	0.382622	233.938	-5341.46
305	50	0.388022	234.089	-5322.06
306	50	0.393433	234.243	-5302.38
307	50	0.398855	234.403	-5282.44
308	50	0.40429	234.566	-5262.23
309	50	0.409735	234.734	-5241.74
310	50	0.415193	234.906	-5220.98
311	50	0.423405	235.086	-5199.81
312	50	0.428895	235.269	-5178.37
313	50	0.434397	235.458	-5156.65
314	50	0.439913	235.652	-5134.65
315	50	0.445443	235.85	-5112.38
316	50	0.450985	236.053	-5089.83
317	50	0.456542	236.262	-5067
318	50	0.464904	236.478	-5043.76
319	50	0.470498	236.699	-5020.23
320	50	0.476105	236.926	-4996.43
321	50	0.481728	237.158	-4972.34
322	50	0.487364	237.396	-4947.97
323	50	0.493018	237.639	-4923.32
324	50	0.498687	237.887	-4898.39
325	50	0.504372	238.142	-4873.17
326	50	0.51293	238.405	-4847.52
327	50	0.518658	238.674	-4821.59
328	50	0.524401	238.949	-4795.37
329	50	0.530162	239.23	-4768.86
330	50	0.53594	239.517	-4742.06
331	50	0.541736	239.811	-4714.98
332	50	0.547551	240.111	-4687.6
333	50	0.556308	240.42	-4659.78
334	50	0.56217	240.736	-4631.67

335	50	0.568052	241.059	-4603.27
336	50	0.573953	241.388	-4574.57
337	50	0.579873	241.724	-4545.58
338	50	0.585815	242.068	-4516.29
339	50	0.591776	242.418	-4486.7
340	50	0.597761	242.775	-4456.81
341	50	0.606775	243.143	-4426.47
342	50	0.612813	243.519	-4395.83
343	50	0.618872	243.902	-4364.89
344	50	0.624956	244.292	-4333.64
345	50	0.631062	244.691	-4302.09
346	50	0.637192	245.097	-4270.23
347	50	0.643345	245.511	-4238.06
348	50	0.652622	245.936	-4205.43
349	50	0.658838	246.371	-4172.49
350	50	0.665079	246.813	-4139.24
351	50	0.671346	247.264	-4105.67
352	50	0.677639	247.723	-4071.79
353	50	0.68396	248.191	-4037.59
354	50	0.690309	248.667	-4003.07
355	50	0.696684	249.152	-3968.24
356	50	0.706302	249.651	-3932.92
357	50	0.712751	250.159	-3897.29
358	50	0.719228	250.677	-3861.32
359	50	0.725736	251.203	-3825.04
360	50	0.732275	251.74	-3788.42
361	50	0.738846	252.285	-3751.48
362	50	0.745449	252.841	-3714.21
363	50	0.752084	253.407	-3676.61
364	50	0.7621	253.988	-3638.5
365	50	0.768821	254.579	-3600.06
366	50	0.775574	255.18	-3561.28
367	50	0.782366	255.792	-3522.16
368	50	0.789191	256.415	-3482.7
369	50	0.796056	257.049	-3442.9
370	50	0.802956	257.693	-3402.75
371	50	0.813379	258.355	-3362.08
372	50	0.820379	259.028	-3321.06
373	50	0.827417	259.713	-3279.69
374	50	0.834498	260.409	-3237.97
375	50	0.841621	261.117	-3195.89
376	50	0.848786	261.838	-3153.45
377	50	0.855996	262.571	-3110.65
378	50	0.863249	263.316	-3067.49
379	50	0.874218	264.08	-3023.77
380	50	0.881587	264.857	-2979.7
381	50	0.889006	265.648	-2935.25
382	50	0.896473	266.451	-2890.42
383	50	0.903992	267.268	-2845.22
384	50	0.911562	268.099	-2799.64
385	50	0.919183	268.944	-2753.68
386	50	0.930718	269.811	-2707.15
387	50	0.938476	270.691	-2660.22
388	50	0.946291	271.587	-2612.91
389	50	0.954165	272.497	-2565.2
390	50	0.9621	273.423	-2517.1
391	50	0.970094	274.364	-2468.59
392	50	0.97815	275.321	-2419.68
393	50	0.986272	276.293	-2370.37
394	50	0.998575	277.291	-2320.44
395	50	1.00687	278.304	-2270.1
396	50	1.01522	279.335	-2219.34
397	50	1.02365	280.383	-2168.16
398	52	1.03215	281.448	-2114.48
399	54	1.04073	282.531	-2058.28
400	54	1.04939	283.633	-2001.62
401	54	1.06252	284.761	-1944.24
402	55	1.07138	285.909	-1885.32
403	55	1.08032	287.076	-1825.9
404	56	1.08935	288.263	-1764.89
405	58	1.09847	289.47	-1701.18
406	60	1.10768	290.697	-1634.72
407	60.4	1.11699	291.944	-1567.26
408	61	1.12639	293.213	-1498.55
409	62	1.14069	294.514	-1427.82
410	62	1.15035	295.838	-1356.5
411	63	1.16012	297.183	-1283.41
412	64	1.17	298.552	-1208.53
413	66	1.18	299.945	-1130.65
414	68	1.19012	301.361	-1049.73
415	70	1.20036	302.802	-965.701
416	71	1.21073	304.268	-879.739
417	71	1.22653	305.772	-792.656
418	72	1.23724	307.303	-703.575
419	72	1.24809	308.861	-613.712
420	72	1.25908	310.446	-523.058

421	72.8	1.27024	312.06	-430.585
422	72.8	1.28155	313.702	-337.288
423	74.8	1.29303	315.374	-240.569
424	75	1.31058	317.091	-142.276
425	76	1 32251	318.84	-41.7656
426	82	1.33462	320.622	67.6736
427	82	1.34694	322.436	178.123
428	85	1.35946	324.284	293.677
429	89	1.3722	326.167	415.803
430	91	1 38517	328.086	541.854
431	91 1	1.39838	330.041	669.246
432	92	1.41865	332.054	799.762
433	92	1.4325	334.106	931.552
434	92	1.44663	336 199	1064 64
435	95	1.46106	338.333	1203.44
436	98	1.47579	340.511	1348.07
437	113	1.49085	342.734	1516.54
438	119	1.50626	345.003	1695.78
439	120	1.53007	347.344	1879.39
440	120	1.54643	349 735	2064.96
441	121	1.56322	352.179	2254.11
442	130	1.58047	354.677	2459.57
443	130	1.59819	357.231	2667.34
444	130	1.61644	359.844	2877.47
445	134	1.63524	362.518	3096.59
446	140	1.65463	365.256	3328.24
447	140	1.68494	368 095	3564.13
448	140	1.70604	371.005	3802.98
449	150	1.72793	373 991	4062.17
450	152	1.75069	377.056	4328.27
451	160	1.77438	380.204	4612.17
452	170	1.79912	383.441	4918.02
453	190	1.82501	386.772	5264 78
454	190	1.86629	390.255	5619.37
455	200	1.8957	393.848	5998.51
456	210	1.92684	397.561	6403.15
457	230	1.95996	401.403	6853.94
458	230	1.99539	405.384	7312.88
459	240	2.03352	409.519	7800.92
460	250	2.07485	413.824	8319.64
461	250	2.12007	418.319	8849.65
462	310	2.19728	423.147	9530.81
463	330	2.25713	428.242	10275.7
464	390	2.32634	433.654	11182.9
465	400	2.40892	439.457	12146 5
466	424	2.51213	445.767	13211 7
467	560	2.65209	452.801	14696 8
468	579	2 87815	461.085	16363.3

Data Set Standard Deviation = 56 7964
Numerator = 2.67757e+008
Denominator = 6.94606e+008
W Statistic = 0.38548 = 2 67757e+008 / 6.94606e+008

5% Critical value of 0.978 exceeds 0.38548
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.38548
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 = 73.5537%
Background measurements (n) = 72
Maximum Background Concentration = 5
Minimum Coverage = 96.1%
Average Coverage = 98.6301%

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-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	18	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	5.9	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-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-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-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
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
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-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-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-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-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-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-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

Non-Parametric Tolerance Interval

Parameter: 1,4-Dichlorobenzene

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 91.7355%
Background measurements (n) = 72
Maximum Background Concentration = 5
Minimum Coverage = 96.1%
Average Coverage = 98.6301%

Location	Date	Value	Significant
II-1	3/25/1994	ND<5	FALSE
II-1	7/6/1994	4.5	FALSE
II-1	9/9/1994	ND<5	FALSE
II-1	3/17/1995	ND<5	FALSE
II-1	7/11/1995	6	TRUE
II-1	11/17/1995	6.7	TRUE
II-1	1/5/1996	5.9	TRUE
II-1	9/25/1996	ND<5	FALSE
II-1	3/26/1997	9	TRUE
II-1	9/17/1997	6.7	TRUE
II-1	5/5/1998	ND<5	FALSE
II-1	10/16/1998	6.6	TRUE
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	6	TRUE
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	5	FALSE
II-1	4/30/2008	1.5	FALSE
II-1	12/2/2008	4.4	FALSE
II-1	2/13/2009	ND<5	FALSE
II-1	4/17/2009	2.9	FALSE
II-1	10/16/2009	6.9	TRUE
II-1	4/30/2010	6.5	TRUE
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	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	ND<5	FALSE
II-2	12/2/2008	ND<5	FALSE
II-2	2/13/2009	ND<5	FALSE
II-2	4/17/2009	ND<5	FALSE
II-2	10/16/2009	0 67	FALSE
II-2	4/30/2010	0 61	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
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	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-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	ND<5	FALSE
II-4	10/16/2009	ND<5	FALSE
II-4	4/30/2010	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-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	0.89	FALSE
II-8	9/28/2007	ND<5	FALSE
II-8	4/30/2008	0.73	FALSE
II-8	12/2/2008	0.59	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	0.55	FALSE
I-5	9/9/1994	ND<5	FALSE
I-5	3/17/1995	5.2	TRUE

I-5	7/11/1995	79	TRUE
I-5	11/17/1995	6.7	TRUE
I-5	1/5/1996	6.2	TRUE
I-5	9/25/1996	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	2.9	FALSE
I-5	9/28/2007	1.8	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

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	6	TRUE
II-6	3/26/1997	ND<5	FALSE
II-6	9/17/1997	6.9	TRUE
II-6	5/5/1998	ND<5	FALSE
II-6	10/16/1998	9	TRUE
II-6	3/26/1999	6.4	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	5	FALSE
II-6	10/11/2005	7	TRUE
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	3.3	FALSE
II-6	9/28/2007	ND<5	FALSE
II-6	4/30/2008	ND<5	FALSE
II-6	12/2/2008	5.2	TRUE
II-6	2/13/2009	4.1	FALSE
II-6	4/17/2009	ND<5	FALSE
II-6	10/16/2009	3.8	FALSE
II-6	4/30/2010	3.4	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	6.6	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	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	0.53	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-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-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-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-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

Non-Parametric Tolerance Interval

Parameter: Benzene

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 94.2149%
Background measurements (n) = 72
Maximum Background Concentration = 5
Minimum Coverage = 96 1%
Average Coverage = 98.6301%

Location	Date	Value	Significant
II-1	3/25/1994	5.4	TRUE
II-1	7/6/1994	6.5	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	1 1	FALSE
II-1	2/13/2009	ND<5	FALSE
II-1	4/17/2009	0 7	FALSE
II-1	10/16/2009	1 4	FALSE
II-1	4/30/2010	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	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	ND<5	FALSE
II-2	10/19/2006	ND<5	FALSE

II-2	4/12/2007	1.4	FALSE
II-2	9/28/2007	ND<5	FALSE
II-2	4/30/2008	1.8	FALSE
II-2	12/2/2008	1.6	FALSE
II-2	2/13/2009	ND<5	FALSE
II-2	4/17/2009	1.4	FALSE
II-2	10/16/2009	1.9	FALSE
II-2	4/30/2010	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
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	ND<5	FALSE
II-3	10/16/2009	0.7	FALSE
II-3	4/30/2010	0.8	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	ND<5	FALSE
II-4	10/16/2009	ND<5	FALSE
II-4	4/30/2010	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-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
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

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	5.2	TRUE
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	2.9	FALSE
II-6	2/13/2009	1.8	FALSE
II-6	4/17/2009	ND<5	FALSE
II-6	10/16/2009	1.7	FALSE
II-6	4/30/2010	1.6	FALSE

II-7	3/17/1995	ND<5	FALSE
II-7	7/11/1995	7	TRUE
II-7	11/17/1995	7	TRUE
II-7	1/5/1996	6.7	TRUE
II-7	9/25/1996	14	TRUE
II-7	3/26/1997	ND<5	FALSE
II-7	9/17/1997	6	TRUE
II-7	5/5/1998	ND<5	FALSE
II-7	10/16/1998	11	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	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	0.42	FALSE
II-7	10/16/2009	ND<5	FALSE
II-7	4/30/2010	0.64	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-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-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-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-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

Non-Parametric Tolerance Interval

Parameter: Chlorobenzene

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 96.0744%
Background measurements (n) = 72
Maximum Background Concentration = 5
Minimum Coverage = 96.1%
Average Coverage = 98.6301%

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	1 8	FALSE
II-1	2/13/2009	ND<5	FALSE
II-1	4/17/2009	1	FALSE
II-1	10/16/2009	2 9	FALSE
II-1	4/30/2010	2 2	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	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	0 52	FALSE
II-2	12/2/2008	0 54	FALSE
II-2	2/13/2009	ND<5	FALSE
II-2	4/17/2009	0 49	FALSE
II-2	10/16/2009	0 78	FALSE
II-2	4/30/2010	0 62	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
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	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-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	ND<5	FALSE
II-4	10/16/2009	0.4	FALSE
II-4	4/30/2010	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-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	2.2	FALSE
II-8	12/2/2008	1.9	FALSE
II-8	2/13/2009	ND<5	FALSE
II-8	4/17/2009	2	FALSE
II-8	10/16/2009	2.1	FALSE
II-8	4/30/2010	2.6	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
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	2 5	FALSE
II-6	9/28/2007	ND<5	FALSE
II-6	4/30/2008	ND<5	FALSE
II-6	12/2/2008	4 7	FALSE
II-6	2/13/2009	ND<5	FALSE
II-6	4/17/2009	ND<5	FALSE
II-6	10/16/2009	5	FALSE
II-6	4/30/2010	4 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-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-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-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-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-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

Non-Parametric Tolerance Interval

Parameter: cis-1,2-Dichloroethene (-ethylene)

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 91.1157%
Background measurements (n) = 72
Maximum Background Concentration = 5
Minimum Coverage = 96.1%
Average Coverage = 98.6301%

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-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	5.8	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-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-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-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-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
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
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-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-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-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-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-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-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

Non-Parametric Tolerance Interval

Parameter: Tetrachloroethene (-ethylene)

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 92.1488%
Background measurements (n) = 72
Maximum Background Concentration = 5
Minimum Coverage = 96.1%
Average Coverage = 98.6301%

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-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-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	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-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	ND<5	FALSE
II-4	10/16/2009	ND<5	FALSE
II-4	4/30/2010	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-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
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
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-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	0.58	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-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-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-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-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-2	4/12/2007	ND<5	FALSE
II-2	9/28/2007	ND<5	FALSE
II-2	4/30/2008	ND<5	FALSE
II-2	12/2/2008	ND<5	FALSE
II-2	2/13/2009	ND<5	FALSE
II-2	4/17/2009	ND<5	FALSE
II-2	10/16/2009	ND<5	FALSE
II-2	4/30/2010	ND<5	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
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	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-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	ND<5	FALSE
II-4	10/16/2009	ND<5	FALSE
II-4	4/30/2010	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-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
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
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	0.36	FALSE
II-6	9/28/2007	ND<5	FALSE
II-6	4/30/2008	ND<5	FALSE
II-6	12/2/2008	0.43	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-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	1	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-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-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-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-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

Non-Parametric Tolerance Interval

Parameter: Trichloroethene (-ethylene)

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 95.4545%
Background measurements (n) = 72
Maximum Background Concentration = 5
Minimum Coverage = 96.1%
Average Coverage = 98.6301%

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-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-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	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-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	ND<5	FALSE
II-4	10/16/2009	ND<5	FALSE
II-4	4/30/2010	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-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
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
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-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
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	6.48	FALSE
II-7	4/30/2010	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-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-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-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-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

Non-Parametric Tolerance Interval

Parameter: Trichlorofluoromethane

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 93.595%
Background measurements (n) = 72
Maximum Background Concentration = 5
Minimum Coverage = 96.1%
Average Coverage = 98.6301%

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-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	15	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-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	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-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	ND<5	FALSE
II-4	10/16/2009	ND<5	FALSE
II-4	4/30/2010	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-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
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
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-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-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-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-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-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-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

Non-Parametric Tolerance Interval

Parameter: Vinyl chloride

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 96.4876%
Background measurements (n) = 72
Maximum Background Concentration = 10
Minimum Coverage = 96.1%
Average Coverage = 98.6301%

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-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-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-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-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-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
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	9/26/2007	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

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
II-6	9/13/2001	ND<10	FALSE
II-6	3/7/2002	ND<10	FALSE
II-6	9/18/2002	ND<10	FALSE
II-6	4/15/2003	ND<10	FALSE
II-6	10/16/2003	ND<10	FALSE
II-6	3/24/2004	ND<10	FALSE
II-6	9/22/2004	ND<10	FALSE
II-6	5/11/2005	ND<10	FALSE
II-6	10/11/2005	ND<10	FALSE
II-6	4/24/2006	ND<10	FALSE
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	9/26/2007	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-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-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-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-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-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-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

Non-Parametric Tolerance Interval

Parameter: Barium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 72.8632%
Background measurements (n) = 70
Maximum Background Concentration = 1200
Minimum Coverage = 95.8%
Average Coverage = 98.5915%

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-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-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-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-5	3/25/1994	46	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-8	7/6/1994	18	FALSE
II-8	9/9/1994	80	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	83.8	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

I-5	9/9/1994	108	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
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-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-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-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-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-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-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

Non-Parametric Tolerance Interval

Parameter: Chromium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 75.4274%
Background measurements (n) = 70
Maximum Background Concentration = 16
Minimum Coverage = 95.8%
Average Coverage = 98.5915%

Location	Date	Value	Significant
II-1	3/25/1994	51	TRUE
II-1	7/6/1994	36	TRUE
II-1	9/9/1994	36	TRUE
II-1	3/17/1995	ND<10	FALSE
II-1	7/11/1995	51	TRUE
II-1	11/17/1995	60	TRUE
II-1	1/5/1996	29	TRUE
II-1	9/25/1996	33	TRUE
II-1	3/26/1997	23	TRUE
II-1	9/17/1997	19	TRUE
II-1	5/5/1998	33	TRUE
II-1	10/16/1998	210	TRUE
II-1	3/26/1999	47	TRUE
II-1	9/22/1999	20	TRUE
II-1	3/27/2000	54	TRUE
II-1	9/13/2000	21	TRUE
II-1	3/12/2001	32	TRUE
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	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	ND<10	FALSE
II-1	2/13/2009	ND<10	FALSE
II-1	4/17/2009	2.4	FALSE
II-1	10/16/2009	3.69	FALSE
II-1	4/30/2010	2.4	FALSE
II-2	3/25/1994	13	FALSE
II-2	7/6/1994	23	TRUE
II-2	9/9/1994	32	TRUE
II-2	3/17/1995	ND<10	FALSE
II-2	7/11/1995	29	TRUE
II-2	11/17/1995	13	FALSE
II-2	1/5/1996	18	TRUE
II-2	9/25/1996	36	TRUE
II-2	3/26/1997	20	TRUE
II-2	9/17/1997	53	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	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	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	1 9	FALSE
II-2	10/16/2009	ND<10	FALSE
II-2	4/30/2010	ND<10	FALSE
II-3	3/25/1994	20	TRUE
II-3	7/6/1994	15	FALSE
II-3	9/9/1994	20	TRUE
II-3	3/17/1995	ND<10	FALSE
II-3	7/11/1995	38	TRUE
II-3	11/17/1995	13	FALSE
II-3	1/5/1996	13	FALSE
II-3	9/25/1996	32	TRUE
II-3	3/26/1997	59	TRUE
II-3	9/17/1997	61	TRUE
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	13	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	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	ND<10	FALSE
II-3	2/13/2009	ND<10	FALSE
II-3	4/17/2009	3 6	FALSE
II-3	10/16/2009	2 29	FALSE
II-3	4/30/2010	2 24	FALSE
II-4	3/25/1994	9	FALSE
II-4	7/6/1994	3	FALSE
II-4	9/9/1994	28	TRUE
II-4	3/17/1995	ND<10	FALSE
II-4	7/11/1995	75	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	12	FALSE
II-4	9/17/1997	14	FALSE
II-4	5/5/1998	11	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	13	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	16.3	TRUE
II-4	4/12/2007	5 9	FALSE
II-4	9/28/2007	ND<10	FALSE
II-4	4/30/2008	68.7	TRUE
II-4	12/2/2008	12 2	FALSE
II-4	2/13/2009	ND<10	FALSE
II-4	4/17/2009	9 4	FALSE
II-4	10/16/2009	14 2	FALSE
II-4	4/30/2010	15 1	FALSE

II-5	3/25/1994	14	FALSE
II-5	7/6/1994	22	TRUE
II-5	9/9/1994	13	FALSE
II-5	3/17/1995	ND<10	FALSE
II-5	7/11/1995	25	TRUE
II-5	11/17/1995	11	FALSE
II-5	1/5/1996	29	TRUE
II-5	9/25/1996	41	TRUE
II-5	3/26/1997	45	TRUE
II-5	9/17/1997	42	TRUE
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	12	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	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	2.8	FALSE
II-5	10/16/2009	1.51	FALSE
II-5	4/30/2010	1.93	FALSE

II-8	7/6/1994	ND<10	FALSE
II-8	9/9/1994	ND<10	FALSE
II-8	3/17/1995	6	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	12	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	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	1.6	FALSE
II-8	10/16/2009	ND<10	FALSE
II-8	4/30/2010	ND<10	FALSE

I-5	9/9/1994	30	TRUE
I-5	3/17/1995	ND<10	FALSE
I-5	7/11/1995	260	TRUE
I-5	11/17/1995	118	TRUE
I-5	1/5/1996	61	TRUE
I-5	9/25/1996	48	TRUE
I-5	3/26/1997	94	TRUE
I-5	9/17/1997	140	TRUE

I-5	5/5/1998	ND<10	FALSE
I-5	10/16/1998	ND<10	FALSE
I-5	3/26/1999	11	FALSE
I-5	9/22/1999	ND<10	FALSE
I-5	3/27/2000	ND<10	FALSE
I-5	9/13/2000	11	FALSE
I-5	3/12/2001	ND<10	FALSE
I-5	9/13/2001	14	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	13	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	4/12/2007	ND<10	FALSE
I-5	9/28/2007	23.7	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
II-6	3/17/1995	ND<10	FALSE
II-6	7/11/1995	41	TRUE
II-6	11/17/1995	ND<10	FALSE
II-6	1/5/1996	17	TRUE
II-6	9/25/1996	23	TRUE
II-6	3/26/1997	32	TRUE
II-6	9/17/1997	25	TRUE
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
II-6	9/13/2001	10	FALSE
II-6	3/7/2002	ND<10	FALSE
II-6	9/18/2002	ND<10	FALSE
II-6	4/15/2003	ND<10	FALSE
II-6	10/16/2003	ND<10	FALSE
II-6	3/24/2004	ND<10	FALSE
II-6	9/22/2004	ND<10	FALSE
II-6	5/11/2005	ND<10	FALSE
II-6	10/11/2005	ND<10	FALSE
II-6	4/24/2006	ND<10	FALSE
II-6	4/24/2006	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	6.7	FALSE
II-6	12/2/2008	ND<10	FALSE
II-6	2/13/2009	ND<10	FALSE
II-6	4/17/2009	0.7	FALSE
II-6	10/16/2009	3.77	FALSE
II-6	4/30/2010	ND<10	FALSE
II-7	3/17/1995	20	TRUE
II-7	7/11/1995	28	TRUE
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	12	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	ND<10	FALSE
II-7	2/13/2009	ND<10	FALSE
II-7	4/17/2009	0 9	FALSE
II-7	10/16/2009	5 25	FALSE
II-7	4/30/2010	1 05	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	0 8	FALSE
II-7B	10/16/2009	ND<10	FALSE
II-7B	4/30/2010	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-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	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-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	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	24.7	TRUE
II-12	10/16/2009	5 32	FALSE
II-12	4/30/2010	ND<10	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

Non-Parametric Tolerance Interval

Parameter: Cobalt

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 57.6923%
Background measurements (n) = 70
Maximum Background Concentration = 16
Minimum Coverage = 95.8%
Average Coverage = 98.5915%

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-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-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-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-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-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
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
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-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-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	9/19/2002	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-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-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-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-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

Non-Parametric Tolerance Interval

Parameter: Copper

Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 83.547%
Background measurements (n) = 70
Maximum Background Concentration = 200
Minimum Coverage = 95.8%
Average Coverage = 98.5915%

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-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-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	9 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-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-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-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

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
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-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-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-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-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-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-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

Non-Parametric Tolerance Interval

Parameter: Selenium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 95.0855%
Background measurements (n) = 70
Maximum Background Concentration = 30
Minimum Coverage = 95.8%
Average Coverage = 98.5915%

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-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-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-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-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-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
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
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-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-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-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-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-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-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

Non-Parametric Tolerance Interval

Parameter: Vanadium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 74.359%
Background measurements (n) = 70
Maximum Background Concentration = 160
Minimum Coverage = 95.8%
Average Coverage = 98.5915%

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	93	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-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-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-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	66	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-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-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

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
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-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-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	9.15	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-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-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-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

Non-Parametric Tolerance Interval

Parameter: Zinc

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 73.7179%
Background measurements (n) = 70
Maximum Background Concentration = 310
Minimum Coverage = 95 8%
Average Coverage = 98.5915%

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-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-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	15	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
II-3	9/13/2000	ND<50	FALSE
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
II-3	3/24/2004	ND<50	FALSE
II-3	9/22/2004	ND<50	FALSE
II-3	2/17/2005	ND<50	FALSE
II-3	5/11/2005	ND<50	FALSE
II-3	10/11/2005	ND<50	FALSE
II-3	4/24/2006	ND<50	FALSE
II-3	4/24/2006	ND<50	FALSE
II-3	10/19/2006	ND<50	FALSE
II-3	4/12/2007	3	FALSE
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-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
II-4	3/26/1999	ND<50	FALSE
II-4	9/22/1999	54	FALSE
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
II-4	10/16/2003	ND<50	FALSE
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	43.5	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-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
II-5	1/5/1996	71	FALSE
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
II-5	3/12/2001	ND<50	FALSE
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
II-5	4/24/2006	ND<50	FALSE
II-5	10/19/2006	ND<50	FALSE
II-5	4/12/2007	ND<50	FALSE
II-5	9/28/2007	ND<50	FALSE
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-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	220	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
II-8	10/16/2003	ND<50	FALSE
II-8	3/24/2004	ND<50	FALSE
II-8	9/22/2004	ND<50	FALSE
II-8	5/11/2005	ND<50	FALSE
II-8	10/11/2005	ND<50	FALSE
II-8	4/24/2006	ND<50	FALSE
II-8	4/24/2006	ND<50	FALSE
II-8	10/19/2006	ND<50	FALSE
II-8	4/12/2007	ND<50	FALSE
II-8	9/28/2007	ND<50	FALSE
II-8	4/30/2008	ND<50	FALSE
II-8	12/2/2008	ND<50	FALSE
II-8	2/13/2009	ND<50	FALSE
II-8	4/17/2009	4.7	FALSE
II-8	10/16/2009	4.03	FALSE
II-8	4/30/2010	ND<50	FALSE

I-5	9/9/1994	43	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	116	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
I-5	9/13/2000	ND<50	FALSE
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	9/16/2002	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
I-5	4/30/2008	ND<50	FALSE
I-5	12/2/2008	ND<50	FALSE
I-5	2/13/2009	ND<50	FALSE
I-5	4/17/2009	ND<50	FALSE
I-5	10/16/2009	ND<50	FALSE
I-5	4/30/2010	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
II-6	3/26/1999	ND<50	FALSE
II-6	9/22/1999	ND<50	FALSE
II-6	3/27/2000	ND<50	FALSE
II-6	9/13/2000	ND<50	FALSE
II-6	3/12/2001	ND<50	FALSE
II-6	9/13/2001	ND<50	FALSE
II-6	3/7/2002	ND<50	FALSE
II-6	9/18/2002	ND<50	FALSE
II-6	4/15/2003	ND<50	FALSE
II-6	10/16/2003	ND<50	FALSE
II-6	3/24/2004	ND<50	FALSE
II-6	9/22/2004	ND<50	FALSE
II-6	5/11/2005	ND<50	FALSE
II-6	10/11/2005	ND<50	FALSE
II-6	4/24/2006	ND<50	FALSE
II-6	4/24/2006	ND<50	FALSE
II-6	10/19/2006	ND<50	FALSE
II-6	4/12/2007	ND<50	FALSE
II-6	9/28/2007	ND<50	FALSE
II-6	4/30/2008	30	FALSE
II-6	12/2/2008	ND<50	FALSE
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
II-7	3/17/1995	30	FALSE
II-7	7/11/1995	64	FALSE
II-7	11/17/1995	ND<50	FALSE
II-7	1/5/1996	ND<50	FALSE
II-7	9/25/1996	ND<50	FALSE
II-7	3/26/1997	ND<50	FALSE
II-7	9/17/1997	ND<50	FALSE
II-7	5/5/1998	ND<50	FALSE
II-7	10/16/1998	ND<50	FALSE
II-7	3/26/1999	ND<50	FALSE
II-7	9/22/1999	ND<50	FALSE
II-7	3/27/2000	ND<50	FALSE
II-7	9/13/2000	ND<50	FALSE
II-7	3/12/2001	ND<50	FALSE
II-7	9/13/2001	ND<50	FALSE
II-7	3/7/2002	ND<50	FALSE
II-7	9/18/2002	ND<50	FALSE
II-7	4/15/2003	ND<50	FALSE
II-7	10/16/2003	ND<50	FALSE
II-7	3/24/2004	ND<50	FALSE
II-7	9/22/2004	ND<50	FALSE

II-7	2/17/2005	ND<50	FALSE
II-7	5/11/2005	ND<50	FALSE
II-7	10/11/2005	ND<50	FALSE
II-7	4/24/2006	ND<50	FALSE
II-7	4/24/2006	ND<50	FALSE
II-7	10/19/2006	ND<50	FALSE
II-7	4/12/2007	ND<50	FALSE
II-7	9/28/2007	ND<50	FALSE
II-7	4/30/2008	ND<50	FALSE
II-7	12/2/2008	ND<50	FALSE
II-7	2/13/2009	ND<50	FALSE
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-7B	3/12/2001	ND<50	FALSE
II-7B	9/13/2001	ND<50	FALSE
II-7B	3/7/2002	ND<50	FALSE
II-7B	9/18/2002	ND<50	FALSE
II-7B	4/15/2003	ND<50	FALSE
II-7B	10/16/2003	ND<50	FALSE
II-7B	3/24/2004	ND<50	FALSE
II-7B	9/22/2004	ND<50	FALSE
II-7B	2/17/2005	ND<50	FALSE
II-7B	5/11/2005	ND<50	FALSE
II-7B	10/11/2005	ND<50	FALSE
II-7B	4/24/2006	ND<50	FALSE
II-7B	4/24/2006	ND<50	FALSE
II-7B	10/19/2006	ND<50	FALSE
II-7B	4/12/2007	ND<50	FALSE
II-7B	9/28/2007	ND<50	FALSE
II-7B	4/30/2008	ND<50	FALSE
II-7B	12/2/2008	ND<50	FALSE
II-7B	2/13/2009	ND<50	FALSE
II-7B	4/17/2009	ND<50	FALSE
II-7B	10/16/2009	ND<50	FALSE
II-7B	4/30/2010	ND<50	FALSE
II-10	5/11/2005	ND<50	FALSE
II-10	4/24/2006	ND<50	FALSE
II-10	4/24/2006	ND<50	FALSE
II-10	10/19/2006	ND<50	FALSE
II-10	4/12/2007	ND<50	FALSE
II-10	9/28/2007	ND<50	FALSE
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-11	5/11/2005	ND<50	FALSE
II-11	4/24/2006	ND<50	FALSE
II-11	4/24/2006	ND<50	FALSE
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
II-11	12/2/2008	ND<50	FALSE
II-11	2/13/2009	ND<50	FALSE
II-11	4/17/2009	ND<50	FALSE
II-11	10/16/2009	ND<50	FALSE
II-11	4/30/2010	ND<50	FALSE
II-12	5/11/2005	ND<50	FALSE
II-12	4/24/2006	ND<50	FALSE
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-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

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 III	North end of White Street, Greensboro, NC	41-12	.1600	April 27-30, 2010

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 — 7-19-10

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