WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
PHASE II ASSESSMENT MONITORING
OCTOBER 2009 SAMPLING EVENT

S&ME Project No. 1584-98-081

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1. EXECUTIVE SUMMARY

Twelve monitoring wells and five stream locations which monitor the Phase II portion of the White Street Landfill were sampled October 13 through October 20, 2009. 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 North Carolina Appendix II assessment monitoring list. Samples from surface water locations SW-1, SW-2, SW-3, SW-4, and SW-5 were analyzed for the federal Appendix I volatile organic constituents as well as metals.

Groundwater Quality

Volatile Organic Compounds:
Analytical results from the 12 Phase II monitoring wells report sixteen volatile organic compounds were detected at one or more monitoring well locations during the October 2009 sampling event. Of the detected volatile organic compounds, the following NCAC 2L groundwater quality standards were exceeded.

- Vinyl chloride was detected at 1.6 μg/L at well II-1 and 5.4 μg/L at well II-2. These concentrations exceed the corresponding NCAC 2L groundwater quality standard of 0.015 μg/L. Vinyl chloride was reported as an estimated 0.47 μg/L "J" flagged value of 0.47 μg/L in well II-7. Based on our understanding of current NCDENR Solid Waste Section guidance, estimated concentrations also represent an exceedance of the NCAC 2L groundwater quality standard if they are reported above the NCAC 2L standard. Therefore the estimated value for vinyl chloride reported in well II-7 also exceeds the NCAC 2L groundwater standard.
- Benzene was detected at concentrations of 1.4 μg/L, 1.9 μg/L, and 1.7 μg/L in wells II-1, II-2, and II-6 respectively. These concentrations exceed the NCAC 2L groundwater quality standard of 1 μg/L for benzene.
- Tetrachloroethene was detected at a reported concentration of 5.2 μg/L in monitoring well II-2. Tetrachloroethene was reported as an estimated "J" flagged value in well II-7 (0.83 μg/L). Both of these concentrations exceed the 0.7 μg/L NCAC 2L groundwater quality standard for tetrachloroethene.
- Trichloroethene was detected at a reported concentration of 4.7 μg/L in monitoring well II-2. This concentration exceeds the NCAC 2L groundwater quality standard of 2.8 μg/L for trichloroethene.
- 1,4-dichlorobenzene was detected at reported concentrations of 6.9 μg/L and 3.8 μg/L in monitoring wells II-1 and II-6, respectively. Both of these concentrations exceed the 1.4 μg/L NCAC 2L groundwater quality standard for 1,4-dichlorobenzene.

Semi-Volatile Organic Compounds:
Semi-volatile organic compounds diethyl phthalate, 2-methylnapthathalene, Phenol, and 3&4-Methylphenol were reported as "J" flag estimated concentrations in one or more monitoring wells during the October 2009 monitoring event. All of these estimated values are below their corresponding NCAC 2L groundwater standard. 0-Toluidine was reported as "J" flag estimated concentration in well II-6 during the October 2009 monitoring event. Currently these is no corresponding NCAC 2L standard or GPS for this constituent.

Inorganic Constituents (Metals):
During the October 2009 sampling event multiple inorganic constituents were detected at one or more monitoring well locations. The reported concentrations for these inorganic constituents were below their corresponding NCAC 2L groundwater standard or GPS value with the exception of lead and vanadium.

- Lead was detected at wells II-4 and II-7 at estimated concentrations less than the corresponding NCAC 2L standard. Lead was detected at well II-1 at a concentration of 17.2 μg/L, which exceeds the NCAC 2L standard of 15μg/L.

- Vanadium was detected in the groundwater samples collected from wells II-2, II-3, II-4, II-5, II-6, II-7, II-7B, II-8, and MW-13. The concentrations detected at wells II-2, II-4, II-7, II-7B, II-8, and MW-13 exceed the corresponding GPS for vanadium set at 3.5 μg/l. S&ME previously prepared an Alternate Source Demonstration (ASD) for metals at the Facility. Based on the ASD findings, the detection of vanadium above it's respective GPS value is not likely due to a release by the Facility, but instead may be attributed to the natural occurrence of vanadium in the native, residual soil. This is further supported by detection of vanadium in background well MW-13.

Pesticides/Herbicides:
Target organochlorine pesticides were not detected above the method detection limits or the solid waste section limits. Chlorinated herbicide 2,4,5-TP (silvex) was detected at monitoring wells II-5 and II-6 during the October 2009 groundwater monitoring event. The concentrations were reported as estimated ("J" flagged) values and are below their corresponding NCAC 2L groundwater standard

Statistical Analysis:

The laboratory analytical results of the October 2009 monitoring event were tested for evidence of statistically significant increases (SSIs) over background values.

Volatile Organic Compounds:
The statistical analyses suggest that volatile organic compounds 1,1-dichloroethane, cis-1,2-dichloroethene, tetrachloroethene, and 1,4-dichlorobenzene were detected at reported concentrations that exceed their corresponding statistically computed Upper Limit in one

or more monitoring wells during the October 2009 monitoring event. The statistically significant increase over the historic background concentrations for 1,1-dichloroethane occurred in monitoring wells II-2 and II-3. The statistically significant increase over the historic background concentrations for cis-1,2-dichloroethene and tetrachloroethene occurred only in monitoring well II-2, and the statistically significant increase for 1,4-dichlorobenzene occurred in monitoring well II-1. 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 graph for tetrachloroethene in monitoring well II-2 does not show a discernable trend in the concentration of this compound in well II-2 over time. The time vs. concentration graph for 1,4-dichlorobenzene in monitoring well II-1 does not show a clear pattern of trend, but instead show fluctuating concentrations over time with no obvious consistent trends recognized.

Metals:

The completed statistical analyses suggest that cobalt was detected during the October 2009 monitoring event at reported concentrations that exceeded the corresponding Statistical Upper Limit in multiple monitoring wells. The Inter-Well comparisons of the compliance data to the statistical Upper Limits suggest compliance wells II-1, II-3, II-5, and II-6 contain reported concentrations of cobalt that suggest a statistically significant increase over the historic background concentration. The time vs. concentration graphs for cobalt do not show a clear pattern of trend, but instead show fluctuating concentrations over time with no obvious consistent trends recognized.

Additionally, the statistical analyses suggest that lead was detected during the October 2009 monitoring event in monitoring well II-1 at a reported concentration that exceeded the corresponding Statistical Upper Limit suggesting a statistically significant increase over the historic background concentration. The time vs. concentration graph for lead suggests that the current reported concentration of lead in well II-1 is a spike in the reported concentrations of this metal at II-1 when compared to historical results. This spike may be due to high sediment content in samples collected from II-1, which will be further assess during the subsequent monitoring period.

Semi-volatile Organic Compounds

The statistical analyses suggest that semi-volatile organic compounds diethyl phthalate, 2-methylnaphthalene, o-Toluidine, 3 & 4 Methylphenol, and Phenol were detected at reported concentrations that exceed their corresponding statistically computed Upper Limit in one or more monitoring wells during the October 2009 monitoring event. The statistically significant increase over the historic background concentrations for diethyl phthalate, 2-methylnaphthalene, and o-Toluidine occurred in monitoring well II-6. The statistically significant increases for 3 & 4 Methylphenol, and Phenol occurred in monitoring well II-12. This was the first detection of 2-methylnaphthalene, o-Toluidine, 3 & 4 Methylphenol, and Phenol, and only the second detection of diethyl phthalate in any compliance monitoring well within the compliance monitoring network and therefore no trend in the concentration of these constituents at over time can be discerned.

Pesticides & Herbicides

During the October 2009 monitoring event the herbicide 2,4,5,-TP (Silvex) was detected at reported concentrations of 0.085 µg/l and 0.45 µg/l in monitoring wells II-5 and II-6 respectively. Since this was the first detection of this constituent in either of these wells, the resulting statistical analyses indicate a statistically significant increase over background values has occurred for this compound.

This was the first detection of 2,4,5,-TP (Silvex) in wells II-5 and II-6 and therefore no trend in the concentration of this constituent at these wells over time can be discerned.

Surface Water Quality

The following summarizes the surface water quality findings.

- Four volatile organic compounds were detected at one or more surface water sample locations during the October 2009 sampling event. Each of the four compounds was detected at sample location SW-3, located just below the City of Greensboro wastewater treatment plant and up-stream from Phase II at the facility. Based on the sampled locations and the reported concentrations, the detected compounds likely stem from up-stream, off-site sources.
- Vanadium was reported at detected or estimated concentrations at one or more of the surface water sample locations. There is no current NCAC 2B standard for vanadium. Vanadium is likely naturally occurring.
- Copper was reported at detected or estimated concentrations in the surface water samples collected at SW-1, SW-3, SW-4, and SW-5. Of these detections the concentrations reported for sample locations SW-1 and SW-3 exceed the NCAC 2B surface water standard for copper set at 7 µg/L. Sample locations SW-1 and SW-3 are located up-stream of the facility, indicating an off-site source for copper.
- Zinc was reported at detected or estimated concentrations at each of the five surface water sample locations. Of these detections, only the concentration report for sample location SW-1 exceeded the NCAC 2B surface water standard for zinc set at 50 µg/L. Sample location SW-1 is located over ½ mile up-stream of the facility.

A Corrective Action Plan (CAP) has been prepared by S&ME and approved by the NCDENR for Phase II of the White Street Landfill. The CAP calls for implementation of a phytoremediation system coupled with monitored natural attenuation (MNA) to address the constituents discussed above which have exceeded their respective 15A NCAC 2L groundwater standards and ultimately restore groundwater quality at the Facility. In accordance with the CAP, monitoring of MNA parameters occurred during this monitoring event; however, they will be reported under separate cover upon the completion of the four baseline events.

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 II assessment/detection monitoring event. Phase II of the landfill is covered by Solid Waste Permit #41-03. One upgradient monitor well (MW-14), nine (9) 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. Five surface water samples were collected from North Buffalo Creek and one of its tributaries in the vicinity of the White Street facility. This report discusses the field procedures, summarizes the field measurements and analytical results, and presents the statistical evaluation results for the October 2009 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 five surface water locations at the White Street landfill SWMF in October 2009.
- 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 the North Carolina Solid Waste Appendix II constituents by a North Carolina certified laboratory, using State approved methods.
- Had the surface water samples analyzed for the North Carolina Solid Waste 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 and triggered Appendix II constituents.
- Prepared and submitted reports to the City of Greensboro and the State.

4. METHODS EMPLOYED

4.1 Monitoring Well Sampling

The groundwater monitoring well sampling took place on October 13, 14, 16, and 19, 2009. 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-7B, 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 1 foot.

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

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 nitrile 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.

During the October 2009 event all of the Phase II groundwater 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 all of the Appendix II constituents. Analyses were conducted by Environmental Conservation Laboratories, a North Carolina certified laboratory. **Laboratory Analytical Reports are attached in Appendix II and Appendix VII.**

4.2 Statistical Analysis of Data

4.2.1 Software

All data were analyzed using *ChemStat 6.2* software package. The *ChemPoint 4.4* database management system was used to input and create the Data files based on the recent and historic laboratory data. The *ChemPoint* database is then converted to ASCII tab delimited file for use by the *ChemStat* software. The following procedures were used to carry out the statistical analyses of the compliance data for each constituent.

4.2.2 Statistical Methods-Groundwater Analyses

In accordance with the NCDENR-Solid Waste Management Rules 15A NCAC 13B, Section 1632, historical upgradient and crossgradient groundwater monitoring data collected from the background groundwater monitoring wells that comprise the Subtitle D monitoring well system were pooled and the analytical results were used to create a statistical baseline for statistically significant increases in constituent concentrations.

The following procedures are used to analyze each new data set:

- A descriptive statistics program is run to provide the following information about the data.
    - mean
    - standard deviation
    - variance
    - percentage non-detects
- Time versus concentration graphs were prepared for each quantified parameter and used to evaluate data trends and to identify potential data outliers.
- Due to the large size of the pooled data set, the Shapiro Francia Normality/Data Distribution Test was utilized to determine the statistical distribution of the database for each quantified parameter with the exception of the semi-volatile organic compounds and herbicide results. These constituents have so few detections throughout the monitoring record that the Shapiro-Wilk normality test was used for determining the distribution of these data. 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, all of the analyzed data sets were non-parametrically distributed. Due to the lack of normality in the data for all of the wells, the use of non-parametric statistical methods was deemed appropriate for the evaluation of the current compliance data.
- 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 percent.
- 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 October 20, 2009. Four stream samples (SW-1, 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**.

SW-1 was collected upstream from the landfill near the US Highway 29 bridge. 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-1, SW-2, SW-3, SW-4 and SW-5 were analyzed for Appendix I constituents.

5. RESULTS

5.1 Groundwater Analytical Results

5.1.1 Phase II Appendix II Assessment Monitoring

Wells II-1, II-2, II-3, II-4, II-5, II-6, II-7, II-7B, II-8, MW-12, MW-13 and MW-14 comprise the monitoring system for the Phase II area. The results of the laboratory analyses for Appendix II constituents in the Phase II area groundwater monitoring wells are summarized in **Tables 3, 4, 5** and **6** and the complete laboratory reports of the October 2009 sampling event are included in **Appendices II and VII** respectively.

Volatile Organic Compounds:

As summarized in Table 4, analytical results from the 12 Phase II monitoring wells indicate sixteen volatile organic compounds were detected during the October 2009 sampling event, at one or more monitoring well locations. Of the detected volatile organic compounds, the following NCAC 2L groundwater quality standards were exceeded.

- Vinyl chloride was detected at 1.6 μg/L at well II-1 and 5.4 μg/L at well II-2. These concentrations exceed the corresponding NCAC 2L groundwater quality standard of 0.015 μg/L. Vinyl chloride was reported as an estimated0.47 μg/L "J" flagged value of 0.47 μg/L in well II-7. Based on our understanding of current NCDENR Solid Waste Section guidance, estimated concentrations also represent an exceedance of the NCAC 2L groundwater quality standard if they are reported above the NCAC 2L groundwater quality standard. Therefore the estimated value for vinyl chloride reported in well II-7 also exceeds the NCAC 2L groundwater standard.
- Benzene was detected at concentrations of 1.4 μg/L, 1.9 μg/L, and 1.7 μg/L in wells II-1, II-2, and II-6 respectively. These concentrations exceed the NCAC 2L groundwater quality standard of 1 μg/L for benzene.
- Tetrachloroethene was detected at a reported concentration of 5.2 μg/L in monitoring well II-2. Tetrachloroethene was reported as an estimated "J" flagged value in well II-7 (0.83 μg/L). Both of these concentrations exceed the 0.7 μg/L

NCAC 2L groundwater quality standard for tetrachloroethene.

- Trichloroethene was detected at a reported concentration of 4.7 μg/L in monitoring well II-2. This concentration exceeds the NCAC 2L groundwater quality standard of 2.8 μg/L for trichloroethene.
- 1,4-dichlorobenzene was detected at reported concentrations of 6.9 μg/L and 3.8 μg/L in monitoring wells II-1 and II-6, respectively. Both of these concentrations exceed the 1.4 μg/L NCAC 2L groundwater quality standard for 1,4-dichlorobenzene.

Semi-Volatile Organic Compounds:

As summarized in Table 4, semi-volatile organic compounds diethyl phthalate, 2-methylnapthathalene, Phenol, and 3&4-Methylphenol were reported as "J" flag estimated concentrations in one or more monitoring wells during the October 2009 monitoring event. All of these estimated values are below their corresponding NCAC 2L groundwater standard. 0-Toluidine was reported as "J" flag estimated concentration in well II-6 during the October 2009 monitoring event. Currently these is no corresponding NCAC 2L standard or GPS for this constituent.

Inorganic Constituents (Metals):

As summarized in Table 5, analytical results from Phase II groundwater monitoring wells indicate the inorganic constituents detected during the October 2009 sampling event included antimony, arsenic, barium, beryllium, chromium, cobalt, copper, lead, mercury, nickel, selenium, vanadium, tin, and zinc at one or more monitoring well locations. Each of the reported concentrations of these inorganic constituents was below their corresponding NCAC 2L groundwater standard or GPS value with the exception of lead and vanadium.

Lead was detected at wells II-4 and II-7 at estimated concentrations less than the corresponding NCAC 2L standard. However, lead was detected at well II-1 at a concentration of 17.2 μg/L, which exceeds the NCAC 2L standard of 15μg/L.

Vanadium was detected in the groundwater sample collected from well II-4 at a reported concentrations of 79.1 μg/L. Vanadium was "J" flag estimated in the groundwater samples collected from wells II-2, II-5, II-6, II-7, II-7B, II-8, and MW-13. The concentrations detected at wells II-2, II-4, II-7, II-7B, II-8, and MW-13 exceed the corresponding GPS for vanadium set at 3.5 μg/l. 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. The EPA approved Dilution Attenuation Factor (DAF) calculations completed for the ASD suggest that the expected groundwater concentration of vanadium is 532.78 μg/L due to influence from the overlying native in-situ soil. The reported concentrations of vanadium during the October 2009 sampling event are below the expected DAF calculated groundwater

concentration for vanadium. Therefore, the exceedance of vanadium above it's respective GPS value is not likely due to a release by the Facility, but instead may be attributed to the natural occurrence of vanadium in the native, residual soil. This is further supported by detection of vanadium in background well MW-13.

Pesticides/Herbicides:

Target organochlorine pesticides were not detected above the method detection limits or the solid waste section limits.

As summarized in Table 7, chlorinated herbicide 2,4,5-TP (silvex) was detected at monitoring wells II-5 and II-6 during the October 2009 groundwater monitoring event. The concentrations were reported as estimated ("J" flagged) values and are below their corresponding NCAC 2L groundwater standard.

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). Prior to the October 2009 sampling event, monitoring wells II-1, II-2, II-3, II-4, and II-5 had been sampled for Appendix I constituents 31 times, and MW-13 29 times and II-6, II-7, II-8, and MW-14 28 times. Bedrock aquifer well II-7B was first sampled on January 11, 2001, as part of activities associated with further delineation of groundwater impacts detected at compliance well II-7.

As a result of using different laboratories for different sampling events, quantitation limits for constituents vary between sampling events. For consistency, the White Street Landfill has specified that the analytical laboratory use the newly promulgated NCDENR Solid Waste Section Limits (SWSLs).

5.2.2 Statistical Analyses

5.2.2.1 Descriptive Statistics

The descriptive statistics program calculates the pooled mean, background mean, pooled standard deviation, background standard deviation, rank sum, rank mean, and variance for each constituent detected in each well. The percentages of all sample analyses for which the concentrations are below the quantitation limits (non-detects) are also calculated by constituent for each well. The descriptive statistics report for the October 2009 event is included in **Appendix III**.

5.2.2.2 Time vs. Concentration Graphs

This graph displays a plot of the concentration of one parameter for a single well over time. The concentration is plotted along the vertical axis and the sample dates are plotted along the horizontal axis. These graphs are used to visually examine changes in

concentration over time for a parameter at a given well. Graphs were prepared for target constituents reported with non-estimated concentrations, unless the estimated concentration exceeded either the corresponding NCAC 2L standard or corresponding GPS. An evaluation of the time vs. concentration graphs suggests:

- The time series plot of the concentration of vinyl chloride in well II-I illustrates that the recent reported concentrations are less than the historic method detection limit. No clear trend was recognized for vinyl chloride in well II-1.
- A time series plot of the concentrations of vinyl chloride in monitoring well II-2 shows this parameter has consistently been non-detect in well II-2 until the first detection reported in April 2007 groundwater monitoring event, coincident with a reduction in the method detection limit. No clear trend is recognized for well II-2. The October 2009 detection of vinyl chloride in well II-7 was the second detection in this well since July 1994 and therefore shows no discernable concentration trend.
- The time series plots for concentrations of trichlorofluoromethane in well II-2 shows a decreasing trend in reportable concentrations following the October 2006 monitoring event.
- The time series plots for concentrations 1,1-dichloroethane in well II-2 suggest an increasing trend since this constituent was first detected during the October 1998 monitoring event. The time series plot of the concentrations of 1,1-dichloroethane in well II-3 evidences non detects from 1994 to 2000 with a concentration spike in September 2001. From March 2002 to March 2004, 1,1-dichloroethane was not detected. However, analytical results since March 2004 have detected this constituent and the graph suggest an overall trend of increasing concentrations of 1,1-dichloroethane in monitoring well II-3.
- A time series plot of the concentrations of cis-1,2-dichloroethene in well II-2 suggests an overall trend of increasing concentrations for this constituent since the September 2004 sampling event.
- A time series plot of the concentrations of benzene in monitoring wells II-1, II-2, and II-6 indicate that this parameter has consistently been non-detect until the first detections were reported in either 2007 or 2008, generally coincident with a reduction in the method detection limit. The recent detections of benzene in wells II-1, II-2, and II-6 show no discernable concentration trends.
- 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 obtained during the October 2006 groundwater monitoring event. Since the October 2006 monitoring event, tetrachloroethene concentrations in well II-2 have shown no discernable trend in concentration.
- A time series plot of the concentrations of tetrachloroethene in monitoring well II-7 indicates a trend of declining concentrations over time.
- A time series plot of the concentrations of trichloroethene in monitoring well II-2 shows that this parameter was not detected above the quantitation limit in well II-2 until the October 23, 2005 monitoring event. Recent concentrations of trichloroethene in well II-2 are fluctuating and with no discernable trend evident.

- The time series plot of the concentration of chlorobenzene in well II-6 illustrates that the recent reported concentrations are less than the historic method detection limit. No clear trend was recognized for chlorobenzene in well II-6.
- The time series plot of the concentration of 1,4-dichlorobenzene in well II-I illustrates that the recent reported concentrations are less than the historic method detection limit. No clear trend was recognized for 1,4-dichlorobenzene in well II-1.
- The time vs. concentration graph for 1,4-dichlorobenzene in monitoring well II-6 does not show a clear pattern of trend, but instead show fluctuating concentrations over time with no obvious consistent trends recognized.
- The time series plots for concentrations of barium in wells II-1, II-3, II-4, II-5, II-6, II-12, and MW-13 show no clear trends for this constituent in these wells.
- The time series plots for chromium at wells II-4 and II-7 evidence no clear trends in the detected concentrations over time.
- Time series plots of the concentrations of cobalt in wells II-1, II-3, II-4, II-5, II-6, and II-12 suggests fluctuating concentration over time, with no obvious consistent trends over time recognized.
- Time series plot of the concentrations of copper in well II-4 suggests fluctuating concentration over time, with no obvious consistent trends over time recognized.
- The detection of lead during the current October 2009 monitoring event in monitoring well II-1 seems to represent a spike in the reported concentrations for lead in this well as compared to historical results, and represents the highest reported concentration of lead in this well since monitoring began in March of 1994. No trend in lead concentration over time in well II-1 can be discerned from the results of the current event.
- The time series plot of the concentration of mercury in well II-8 illustrates that the October 2009 detection of mercury in well II-8 is less than the historic method detection limit and is the first detection of mercury in this well. No clear trend was recognized for mercury in well II-8.
- Time series plot for vanadium at compliance well II-4 suggests recent variability, with a possible overall trend of increasing concentration since the May 2005 groundwater monitoring event.
- The time vs concentration graph of vanadium in wells II-2, II-6, II-7, II-7B, II-8, and MW-13 do not illustrate a discernable trend in the concentration of vanadium in these wells but recent detections since the April 2007 monitoring event are coincident with a reduction in the method detection limit for vanadium.
- As indicated by the time series plot for zinc at compliance well II-4, zinc has recently shown an increasing trend in concentration since the May 2005 groundwater sampling event.
- The time vs. concentration graph for zinc in monitoring well II-7 shows no discernable trend in the reported concentrations of zinc in well II-7 over time.

Analytical data from future monitoring events will be used to re-evaluate the trends interpreted from the time series plots. Time series plots for the October 2009 monitoring

event are included in **Appendix IV** for all constituents detected at concentrations above the SWSL or if an estimated concentration exceeds the corresponding NCAC 2L standard or GPS during this monitoring event.

5.2.2.3 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 with the exception of the semi-volatile and herbicide constituent results were the number of detections throughout the monitoring record has been small. For these results, the Shapiro-Wilk test for normality was used to determine the distribution of these data sets. 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 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.

Table 8 provides a summary of the statistical results for the October 2009 monitoring event.

As indicated in Table **8,** the Inter-Well comparisons of the compliance data to the statistical Upper Limits suggest compliance wells II-2 and II-3 showed a statistically significant increase over the historic background concentrations for 1,1-dichloroethane. Monitoring well II-2 also showed a statistically significant increase for the chlorinated solvents cis 1,2-dichloroethene and tetrachloroethene. And monitoring well II-1 showed a statistically significant increase above background values for 1,4-dichlorobenzene.

The statistical analyses show that monitoring wells II-1, II-3, II-5, and II-6 showed a statistically significant increase over background values for cobalt. Monitoring well II-1 showed a statistically significant increase over background values for lead.

The statistical analyses show that several semi-volatile organic compounds exceeded background Upper Limits during the October 2009 monitoring event. Monitoring well II-6 showed a statistically significant increase for diethyl phthalate, 2-methylnaphthalene, and o-Toluidine, and monitoring well II-12 showed statistically significant increases for 3 & 4 methylphenol and phenol.

Also, the statistical analyses show that monitoring wells II-5 and II-6 showed a statistically significant increase over background values for the herbicide 2,4,5,-TP (Silvex).

The non-parametric Tolerance Limit test reports for all quantified Appendix II constituents are included in **Appendix VI** for the October 2009 groundwater monitoring event.

5.3 Hydraulic Conductivity

In-situ hydraulic conductivity tests were performed by BPA Environmental and Associates Inc. (BPA) on wells I-5, 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 0.119 feet/day in II-1 to 2.353 feet/day in II-8. These data 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 during October 2009. The depth to the water table ranged from 7.93 to 30.86 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 October 2009 and is presented as **Figure 3**. The groundwater gradient at each well was calculated assuming a constant groundwater gradient along the flow line between adjacent groundwater elevation contours or between the well and the nearest contour. 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 0.007 feet/day to 0.278 feet/day and are summarized in Table 9.

5.5 Surface Water

Five surface water samples were collected during the October 2009 sampling event. The results of the laboratory analyses for Appendix I constituents in the surface water samples are summarized in **Tables 10** and **11.** Appendix II contains the complete laboratory reports.

- As summarized in Table 10, four volatile organic compounds were detected at one or more surface water sample locations during the October 2009 sampling event. Each of the four compounds was detected at sample location SW-3, located just below the City of Greensboro wastewater treatment plant and up-stream from Phase II at the facility. Based on the sampled locations and the reported concentrations, the detected compounds likely stem from up-stream, off-site sources.
- As summarized in Table 11, antimony, barium, beryllium, chromium, cobalt, lead, and nickel were detected and reported as estimated "J" flagged values at one or more of the surface water sample locations. None of the reported concentrations exceed the corresponding NCAC 2B surface water quality standards; however, there are no corresponding NCAC 2B surface water quality standards for antimony, barium, and cobalt.
- Vanadium was reported at detected or estimated concentrations at one or more of the surface water sample locations. There is no current NCAC 2B standard for vanadium.
- Copper was reported at detected or estimated concentrations in the surface water samples collected at SW-1, SW-3, SW-4, and SW-5. Of these detections the concentrations reported for sample locations SW-1 (10.7 μg/L) and SW-3 (7.10 μg/L) exceed the NCAC 2B surface water standard for copper set at 7 μg/L. Sample locations SW-1 and SW-3 are located up-stream of the facility.
- Zinc was reported at detected or estimated concentrations at each of the five surface water sample locations. Of these detections, only the concentration report for sample SW-1 exceeded the NCAC 2B surface water standard for zinc set at 50 μg/L. Sample location SW-1 is located over ½ mile up-stream of the facility.

5.6 Quality Assurance

A duplicate sample was collected from monitoring well II-12 and submitted for analysis as "Duplicate II." This sample was analyzed for the Appendix II constituents. No target volatile organic compounds, organochlorine pesticides, and chlorinated herbicides were detected in either sample suggesting good method precision. As summarized in Tables 4, 5, and 6, similar targeted semi-volatile organic compounds and inorganic constituents were detected at similar concentrations suggesting good method precision.

All of the 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 for both the October 2009 monitoring event. The trip blank sample for the October 2009 monitoring event was analyzed for Appendix II volatile organic constituents. Several volatile organic constituents were "J" flag estimated in the trip blank samples at low 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 II. The NCDENR Environmental Monitoring Reporting Form is included in **Appendix XII**.

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).

TABLES

TABLE 1
GROUNDWATER ELEVATION DATA SUMMARY (12/08 & 2/09)
PHASE II - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Well No.	Elevation TOC (feet)	Depth of Well (feet)	December 2008		October 2009	
			DTGW (feet)	Elevation (feet)	DTGW (feet)	Elevation (feet)
II-1	692.34	26.50	16.61	675.73	17.46	674.88
II-2	690.05	32.24	20.65	669.40	20.96	669.09
II-3	688.05	32.45	17.63	670.42	17.69	670.36
II-4	703.27	28.72	14.04	689.23	13.31	689.96
II-5	714.31	15.96	7.57	706.74	7.93	706.38
II-6	698.47	20.57	13.01	685.46	14.33	684.14
II-7	684.08	27.54	14.43	669.65	14.79	669.29
II-7B	687.21	101.50	17.51	669.70	18.03	669.18
II-8	707.09	34.95	9.52	697.57	9.69	697.40
MW-13	741.30	33.78	22.11	719.19	21.25	720.05
MW-14	765.30	34.28	31.23	734.07	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

TABLE 2
GROUNDWATER & SURFACE WATER FIELD DATA SUMMARY (10/09)
PHASE II - WHITE STREET LANDFILL
WHITE STREET LANDFILL
S&ME PROJECT NO. 1584-98-081

Location: II-1

Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
0820	16-Oct-09	13.35	56.03	8.64	2.42	64	2.30	29.7	17.69
0825	16-Oct-09	13.41	56.14	8.59	2.72	9	1.92	10.55	17.68
0830	16-Oct-09	13.50	56.30	8.6	2.76	-6	1.62	11.22	17.73
0835	16-Oct-09	13.47	56.25	8.6	2.77	-17	1.39	11.79	17.77
0840	16-Oct-09	13.52	56.34	8.59	2.78	-26	1.22	11.59	17.79
0845	16-Oct-09	13.49	56.28	8.59	2.79	-35	1.1	11.67	17.80
0850	16-Oct-09	13.47	56.25	8.59	2.81	-42	0.98	12.03	17.83
0855	16-Oct-09	13.49	56.28	8.59	2.81	-47	0.91	11.31	
0900	16-Oct-09	13.46	56.23	8.58	2.82	-50	0.89	10.67	

Location: II-2

Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1115	16-Oct-09	14.06	57.31	9.57	1.156	-93	4.36	9.08	21.28
1120	16-Oct-09	14.36	57.85	9.56	1.111	-86	4.05	9.09	21.28
1125	16-Oct-09	14.46	58.03	9.52	1.122	-95	3.59	8.39	21.36
1130	16-Oct-09	14.88	58.78	9.53	1.129	-110	3.48	7.10	21.31
1135	16-Oct-09	15.26	59.47	9.52	1.136	-114	3.34	7.47	
1140	16-Oct-09	15.10	59.18	9.52	1.143	-125	3.35	6.73	21.37
1145	16-Oct-09	14.92	58.86	9.51	1.145	-129	3.25	7.01	

Location: II-3

Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1045	14-Oct-09	13.4	56.12	8.61	0.469	-5	2.97	3.39	17.89
1050	14-Oct-09	13.69	56.64	8.5	0.456	-15	2.63	41.70	17.91
1055	14-Oct-09	13.87	56.97	8.43	0.461	-18	2.33	69.20	19.90
1100	14-Oct-09	13.83	56.89	8.42	0.459	-18	2.01	62.30	17.93
1105	14-Oct-09	14.23	57.61	8.40	0.458	-16	1.79	52.40	19.92
1110	14-Oct-09	14.15	57.47	8.39	0.457	-14	1.53	50.90	
1115	14-Oct-09	14.05	57.29	8.39	0.457	-13	1.49	51.80	

TABLE 2 Continued
GROUNDWATER & SURFACE WATER FIELD DATA SUMMARY (10/09)
PHASE II - WHITE STREET LANDFILL
WHITE STREET LANDFILL
S&ME PROJECT NO. 1584-98-081

Location: II-4

Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1450	19-Oct-09	16.62	61.92	8.76	0.665	113	2.57	12.18	13.66
1455	19-Oct-09	16.47	61.65	8.74	0.665	124	2.23	17.25	13.64
1500	19-Oct-09	16.48	61.66	8.75	0.661	132	2.18	16.91	13.63
1505	19-Oct-09	16.38	61.48	8.74	0.651	136	1.96	21.10	13.69
1510	19-Oct-09	16.2	61.16	8.74	0.643	136	1.80	31.40	
1515	19-Oct-09	16.03	60.85	8.72	0.637	144	1.66	46.50	
1520	19-Oct-09	14.71	58.48	8.70	0.637	140	0.67	451	15.62
1525	19-Oct-09	14.71	58.48	8.69	0.665	133	0.54	367	16.21
1535	19-Oct-09	14.92	58.86	8.70	0.751	101	2.08	61.70	15.61
1540	19-Oct-09	15.18	59.32	8.70	0.762	96	2.3	50.10	14.98
1545	19-Oct-09	15.22	59.40	8.70	0.769	94	2.7	50.20	14.39
1550	19-Oct-09	15.13	59.23	8.69	0.773	89	2.61	66.70	14.26
1555	19-Oct-09	15.03	59.05	8.70	0.775	85	2.26	72.30	
1600	19-Oct-09	14.95	58.91	8.70	0.790	86	0.298	105	
1605	19-Oct-09	14.9	58.82	8.69	0.792	88	2.28	103	

Location: II-5

Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1715	13-Oct-09	20.28	68.50	8.71	0.634	-68	1.79	22.70	8.26
1720	13-Oct-09	19.73	67.51	8.72	0.665	-79	1.47	28.20	8.36
1725	13-Oct-09	19.49	67.08	8.72	0.691	-94	1.28	26.00	8.45
1730	13-Oct-09	18.96	66.13	8.71	0.701	-104	1.27	15.16	8.53
1735	13-Oct-09	18.66	65.59	8.71	0.705	-112	1.24	13.31	8.55
1740	13-Oct-09	16.60	61.88	8.71	0.707	-114	1.26	13.91	

Location: II-6

Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1250	13-Oct-09	20.01	68.02	8.62	0.505	-23	3.70	8.64	
1255	13-Oct-09	19.61	67.30	8.72	1.95	-85	3.72	20.1	
1300	13-Oct-09	18.47	65.25	8.81	3.41	-166	2.82	201.0	14.78
1310	13-Oct-09	18.37	65.07	8.91	4.01	-184	3.05	205.0	14.72
1315	13-Oct-09	18.79	65.82	8.90	4.03	-173	3.23	179.0	14.71
1320	13-Oct-09	18.93	66.07	8.89	4.04	-173	3.20	112.0	
1325	13-Oct-09	18.89	66.00	8.85	4.06	-173	2.57	137.0	
1330	13-Oct-09	18.93	66.07	8.83	4.08	-175	2.19	107.0	
1335	13-Oct-09	18.95	66.11	8.85	4.09	-176	2.46	84.9	
1340	13-Oct-09	19.02	66.24	8.89	4.1	-175	2.75	69.9	
1345	13-Oct-09	19.14	66.45	8.90	4.1	-175	2.81	59.6	
1350	13-Oct-09	19.07	66.33	8.89	4.11	-175	2.76	55.60	

TABLE 2 Continued
GROUNDWATER & SURFACE WATER FIELD DATA SUMMARY (10/09)
PHASE II - WHITE STREET LANDFILL
WHITE STREET LANDFILL
S&ME PROJECT NO. 1584-98-081

Location: II-7B

Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
0845	19-Oct-09	10.41	50.74	12.87	0.631	-104	2.66	4.10	18.64
0850	19-Oct-09	11.03	51.85	13.58	0.627	-122	1.38	2.74	19.15
0855	19-Oct-09	11.33	52.39	13.58	0.630	-124	1.10	3.45	19.51
0900	19-Oct-09	11.41	52.54	13.58	0.635	-124	0.95	2.13	19.79
0905	19-Oct-09	11.58	52.84	13.59	0.638	-125	0.85	1.85	20.07
0910	19-Oct-09	11.7	53.06	13.60	0.639	-126	0.81	1.84	20.21

Location: II-7

Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1120	19-Oct-09	12.50	54.50	8.51	0.420	36	0.87	2.53	15.21
1125	19-Oct-09	12.00	53.60	8.31	0.398	58	1.25	1.77	15.21
1130	19-Oct-09	11.70	53.06	8.29	0.480	75	2.28	3.10	15.23
1135	19-Oct-09	12.08	53.74	8.28	0.492	87	2.18	2.88	15.24
1140	19-Oct-09	12.06	53.71	8.29	0.492	91	2.41	3.12	
1145	19-Oct-09	12.15	53.87	8.29	0.492	92	2.48	2.98	

Location: II-8

Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1050	13-Oct-09	19.76	67.57	8.53	2.360	-210	1.51	14.31	9.71
1055	13-Oct-09	21.04	69.87	8.55	2.580	-187	1.66	10.20	9.72
1100	13-Oct-09	21.84	71.31	8.54	2.670	-164	1.51	10.05	9.71
1105	13-Oct-09	22.29	72.12	8.56	2.700	-147	1.34	10.70	
1110	13-Oct-09	21.98	71.56	8.56	2.710	-144	1.12	10.63	
1115	13-Oct-09	21.48	70.66	8.53	2.730	-135	1.06	10.59	

Location: MW-13

Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
0845	14-Oct-09	13.79	56.82	9.13	0.561	-1	3.03	11.09	21.49
0850	14-Oct-09	13.68	56.62	9.21	0.559	10	2.92	9.43	21.53
0855	14-Oct-09	13.59	56.46	9.21	0.559	21	2.85	4.61	21.57
0900	14-Oct-09	13.69	56.64	9.19	0.557	28	2.8	4.58	21.62
0905	14-Oct-09	13.68	56.62	9.18	0.552	30	2.85	3.58	21.70
0910	14-Oct-09	13.65	56.57	9.18	0.552	33	2.87	3.41	

Location: MW-14

Time	Date	Temp-C	Temp-F	pH	SpC-mS/cm	ORP-mV	DO-mg/L	Turbidity-NTU	Depth to Water-feet
1520	13-Oct-09	19.75	67.55	8.93	0.414	-82	4.52	45.60	30.94
1525	13-Oct-09	19.69	67.44	8.67	0.149	-34	3.75	14.75	30.97
1530	13-Oct-09	19.16	66.49	8.44	0.072	23	3.38	9.73	31.01
1535	13-Oct-09	19.02	66.24	8.36	0.058	56	3.11	6.80	30.95
1540	13-Oct-09	19.56	67.21	8.29	0.057	71	3.16	4.89	
1545	13-Oct-09	19.84	67.71	8.26	0.057	77	3.14	5.14	
1550	13-Oct-09	19.83	67.69	8.26	0.056	78	3.17	5.01	

TABLE 3
GROUNDWATER ANALYTICAL RESULTS SUMMARY OCTOBER 2009
DETECTED VOLATILE ORGANIC COMPOUNDS
PHASE II - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Compound	Original December 2008 Sampling Results													NC SWSL	NCAC 2L
	II-1	II-2	II-3	II-4	II-5	II-6	II-7	II-7B	II-8	II-12	DUP II	MW-13	MW-14		std.
Vinyl Chloride	1.6	5.4	ND	ND	ND	ND	0.47 J	ND	ND	ND	ND	ND	ND	1	0.015
Trichlorofluoromethane	ND	4.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	2100
1,1-Dichloroethene	3.0 J	0.60 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5	7
1,1-Dichloroethane	ND	17	12	2.2 J	0.62 J	ND	1.7 J	0.49 J	0.73 J	ND	ND	ND	ND	5	70
cis 1,2-dichloroethene	3.0 J	20	0.46 J	0.47 J	ND	ND	0.94 J	ND	ND	ND	ND	ND	ND	5	70
dichlorofluoromethane	ND	0.99 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5	1400
Benzene	1.4	1.9	0.70 J	ND	ND	1.7	ND	ND	ND	ND	ND	ND	ND	1	1
Tetrachloroethene	ND	5.2	ND	ND	ND	ND	0.83 J	0.51 J	ND	ND	ND	ND	ND	1	0.7
Trichloroethene	0.91 J	4.7	ND	ND	ND	ND	0.48 J	ND	ND	ND	ND	ND	ND	1	2.8
Acetone	ND	ND	ND	ND	ND	20 J	2.4 J	ND	ND	ND	ND	ND	ND	100	700
Chlorobenzene	2.9 J	0.78 J	ND	0.40 J	ND	5.0	ND	ND	2.1 J	ND	ND	ND	ND	3	50
Chloroethane	1.7 J	0.61 J	ND	0.73 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	10	2800
Napthalene	ND	ND	ND	ND	ND	3.9 J	ND	ND	ND	ND	ND	ND	ND	10	21
Total Xylenes	ND	ND	ND	ND	ND	3.6	ND	ND	ND	ND	ND	ND	ND	5	530
1,4-Dichlorobenzene	6.9	0.67 J	ND	ND	ND	3.8	ND	ND	ND	ND	ND	ND	ND	1	1.4
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	0.47 J	ND	ND	ND	ND	ND	ND	ND	5	24

NC SWSL= North Carolina Solid Waste Section Limit
ND = compound not detected above NC SWSL
NA = compound not analyzed during this event
NCAC 2L stds. = 15A North Carolina Administrative Code 2L .0200, Groundwater Quality Standards for Class GA groundwater
J = Parameters are estimated values between the detection limit and the NC SWSL.
ns = no corresponding NCAC 2L groundwater quality standard
all concentrations reported in micrograms per liter (ug/L)
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 OCTOBER 2009
DETECTED SEMI-VOLATILE ORGANIC COMPOUNDS (EPA METHOD 8270)
PHASE II - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Compound	October 2009 Groundwater Monitoring Results													NC SWSL (µg/l)	NCAC 2L stds.	NCGWP stds.
	II-1	II-2	II-3	II-4	II-5	II-6	II-7	II-7B	II-8	DUP 2	II-12	MW-13	MW-14			
diethyl phthalate	ND	ND	ND	ND	ND	**2.5 J**	**1.0 J**	ND	ND	ND	ND	ND	ND	10	5,000	
2-Methylnaphthalene	ND	ND	ND	ND	ND	**1.6 J**	ND	ND	ND	ND	ND	ND	ND	10.0	14.0	
o-Toluidine	ND	ND	ND	ND	ND	**2.5 J**	ND	ND	ND	ND	ND	ND	ND	10.0	NS	NS
3 & 4 Methylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	**2.1 J**	**2.0 J**	ND	ND	10.0	3.5**	
Phenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**1.3 J**	ND	ND	10.0	300.0	

NC SWSL= North Carolina Solid Waste Section Limit
ND = compound not detected above NC SWSL
NA = compound not analyzed during this event
NCAC 2L stds. = 15A North Carolina Administrative Code 2L .0200, Groundwater Quality Standards for Class GA groundwater
If a NCAC 2L is not established the Groundwater Protection Standard is used
ns = no corresponding NCAC 2L groundwater quality standard, Groundwater Quality Standard, or SWSL
all concentrations reported in micrograms per liter (ug/L)
NC GWP = North Carolina Groundwater Protection Standard
Quantities highlighted in yellow were detected above the NC SWSL
Quantities highlighted in orange were detected above the 2L standards
Quantities highlighted in orange were detected above the NC GWP standards
*** = No 2L Standards for 3&4 Methylphenol; however, 3-methylphenol 2L = 35 ug/l while 4-methylphenol 2L = 3.5 ug/L*

TABLE 5
GROUNDWATER ANALYTICAL RESULTS SUMMARY (10/09)
DETECTED INORGANIC CONSTITUENTS
PHASE II - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Compound	II-1	II-2	II-3	II-4	II-5	II-6	II-7	II-7B	II-8	II-12	DUP II	MW-13	MW-14	NC SWSL	NCAC 2L stds.	NC GWP stds.
Antimony	ND	ND	ND	ND	ND	0.211 J	ND	ND	ND	ND	0.141 J	ND	ND	6	ns	1.4
Arsenic	ND	ND	ND	ND	3.40 J	ND	ND	3.95 J	ND	ND	5.01 J	ND	3.81 J	10	50	
Barium	203	41.2 J	203	485	124	410	90.7 J	10.2 J	79.2 J	704	685	119	12.5 J	100	2000	
Beryllium	ND	ND	ND	0.153	ND	ND	ND	ND	ND	ND	ND	ND	ND	4	ns	1
Chromium	3.69 J	ND	2.29 J	14.2	1.51 J	3.77 J	5.25 J	ND	ND	5.32 J	4.95 J	ND	3.55 J	10	50	
Cobalt	36.5	ND	25.2	14.7	20.1	34.5	2.30 J	ND	ND	15.1	14.5	ND	ND	10	ns	70
Copper	4.76 J	ND	2.31 J	58.5	ND	ND	3.91 J	1.95 J	ND	ND	ND	ND	ND	10	1000	
Lead	17.2	ND	ND	1.93 J	ND	ND	5.37 J	ND	ND	ND	3.93 J	ND	ND	10	15	
Mercury	0.0541 J	ND	0.144 J	ND	ND	ND	ND	ND	0.239 J	ND	ND	ND	ND	0.2	1.05	
Nickel	9.15 J	ND	11.6 J	25.8 J	3.42 J	40.3 J	4.46 J	ND	9.71 J	7.70 J	8.21 J	ND	ND	50	100	
Selenium	ND	ND	ND	ND	ND	6.50 J	ND	ND	ND	ND	ND	ND	ND	10	50	
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.25 J	2.60 J	ND	ND	10	17.5	
Thallium	ND	ND	ND	0.110 J	ND	ND	ND	ND	ND	ND	ND	ND	ND	5.5	0.28	
Vanadium	ND	4.06 J	3.27 J	79.1	1.65 J	2.02 J	6.20 J	9.44 J	6.24 J	ND	ND	3.92 J	ND	25	ns	3.5
Tin	7.05 J	5.20 J	4.66 J	5.66 J	5.58 J	7.96 J	6.03 J	ND	3.37 J	7.97 J	8.24 J	4.36 J	ND	100	ns	2100
Zinc	ND	8.88 J	7.31 J	91.1	ND	4.87 J	60.4	ND	4.03 J	ND	ND	7.66 J	ND	10	1050	

NC SWSL= North Carolina Solid Waste Section Limit
ND = compound not detected above NC SWSL
NCAC 2L stds. = 15A North Carolina Administrative Code 2L .0200, Groundwater Quality Standards for Class GA groundwater
If a NCAC 2L is not established the Groundwater Protection Standard is used
J = Parameters are estimated values between the detection limit and the NC SWSL.
ns = no corresponding NCAC 2L groundwater quality standard
all concentrations reported in micrograms per liter (ug/L)
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 6
GROUNDWATER ANALYTICAL RESULTS OCTOBER 2009
ORGANOCHLORINE PESTICIDES (EPA METHOD 8081A)
PHASE II - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Compound	Original December 2008 Monitoring Results													February 2009 Verification Results		NC SWSL	NCAC 2L stds.	NCGWP stds.
	II-1	II-2	II-3	II-4	II-5	II-6	II-7	II-7B	II-8	DUP 2	II-12	MW-13	MW-14	II-6	II-8			
	No Target Analytes Detected above SWSL																	

NC SWSL= North Carolina Solid Waste Section Limit
NCAC 2L stds. = 15A North Carolina Administrative Code 2L .0200, Groundwater Quality Standards for Class GA groundwater
NC GWP = North Carolina Groundwater Protection Standard
all concentrations reported in micrograms per liter (ug/L)

TABLE 7
GROUNDWATER ANALYTICAL RESULTS OCTOBER 2009
CHLORINATED HERBICIDES (EPA METHOD 8150)
PHASE II - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Compound	II-1	II-2	II-3	II-4	II-5	II-6	II-7	II-7B	II-8	DUP 2	II-12	MW-13	MW-14	NC SWSL	NCAC 2L stds.
2,4,5,-TP (Silvex)	ND	ND	ND	ND	**0.085 J**	**0.45 J**	ND	ND	ND	ND	ND	ND	ND	1.0	50

NCAC 2L stds. = 15A North Carolina Administrative Code 2L .0200, Groundwater Quality Standards for Class GA groundwater
NC SWSL= North Carolina Solid Waste Section Limit
ns = no corresponding NCAC 2L groundwater quality standard
all concentrations reported in micrograms per liter (ug/L)
ND = compound not detected above NC SWSL
Quantities highlighted in yellow were detected above the NC SWSL
Quantities highlighted in orange were detected above the 2L standards

TABLE 8
STATISTICAL TEST RESULTS SUMMARY (10/09)
APPENDIX II - 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-Dichlorothane	PND	PND	**Yes**	**Yes**	**Yes**	**Yes**	PND	PND	PND	PND	PND	PND	PND	PND
cis 1,2-Dichloroethene	PND	PND	**Yes**	**Yes**	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND
Benzene	**No**	**No**	**No**	**No**	PND	PND	PND	PND	PND	PND	**No**	**No**	PND	PND
Tetrachloroethene	PND	PND	**Yes**	**Yes**	PND	PND	PND	PND	PND	PND	PND	PND	**No**	**No**
Trichloroethene	PND	PND	**No**	**No**	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND
Chlorobenzene	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	**No**	**No**	PND	PND
1,4-Dichlorobenzene	**Yes**	**Yes**	PND	PND	PND	PND	PND	PND	PND	PND	**No**	**No**	PND	PND

Compound	Sample Locations															
	II-7B		II-8		II-9		II-10		II-11		II-12		MW-13		MW-14	
	WRS	TL	WRS	TL	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	PND	PND	PND	PND
Trichlorofluoromethane	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND
1,1-Dichlorothane	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND
cis 1,2-Dichloroethene	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND
Benzene	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND
Tetrachloroethene	PND	PND	PND	PND	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	PND	PND	PND	PND
Chlorobenzene	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND
1,4-Dichlorobenzene	PND	PND	PND	PND	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 above the Quantitation Limit during the current water quality monitoring event
yes = The test suggests the result shows a statistically significant increase (SSI) over background values.
No = The test suggests the specified well does not have statistically elevated levels of the parameter

TABLE 8 Continued
STATISTICAL TEST RESULTS SUMMARY (10/09)
APPENDIX II - SEMI-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
Diethylphthalate	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	**Yes**	**Yes**	**No**	**No**
2-Methylnaphthalene	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	**Yes**	**Yes**	PND	PND
o-Toluidine	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	**Yes**	**Yes**	PND	PND
3 & 4 Methylphenol	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND
Phenol	PND	PND	PND	PND	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		MW-13		MW-14	
	WRS	TL	WRS	TL	WRS	TL	WRS	TL	WRS	TL	WRS	TL	WRS	TL	WRS	TL
Diethylphthalate	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND
2-Methylnaphthalene	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND
o-Toluidine	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND
3 & 4 Methylphenol	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	**Yes**	**Yes**	PND	PND	PND	PND
Phenol	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	**Yes**	**Yes**	PND	PND	PND	PND

WRS = Wilcoxon Rank Sum Test Method
TL = Non-parametric tolerance limit test method
PND = Parameter not detected above the Quantitation Limit during the current water quality monitoring event
yes = The test suggest the results show a statistically significant increase (SSI) over background values.
No = The test suggests the specified well does not have statistically elevated levels of the parameter

TABLE 8 Continued
STATISTICAL TEST RESULTS SUMMARY (10/09)
APPENDIX II - 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**	PND	PND	**No**	**No**	**No**	**No**	**No**	**No**	**No**	**No**	PND	PND
Chromium	PND	PND	PND	PND	PND	PND	**No**	**No**	PND	PND	PND	PND	**No**	**No**
Cobalt	**Yes**	**Yes**	PND	PND	**Yes**	**Yes**	**No**	**No**	**Yes**	**Yes**	**Yes**	**Yes**	PND	PND
Copper	PND	PND	PND	PND	PND	PND	**No**	**No**	PND	PND	PND	PND	PND	PND
Lead	**Yes**	**Yes**	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND
Mercury	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND
Vanadium	PND	PND	**No**	**No**	PND	PND	**No**	**No**	PND	PND	**No**	**No**	**No**	**No**
Zinc	PND	PND	PND	PND	PND	PND	**No**	**No**	PND	PND	PND	PND	**No**	**No**

Compound	Sample Locations															
	II-7B		II-8		II-9		II-10		II-11		II-12		MW-13		MW-14	
	WRS	TL	WRS	TL	WRS	TL	WRS	TL	WRS	TL	WRS	TL	WRS	TL	WRS	TL
Barium	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	**No**	**No**	**No**	**No**	PND	PND
Chromium	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND
Cobalt	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	**No**	**No**	PND	PND	PND	PND
Copper	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND
Lead	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND
Mercury	PND	PND	**No**	**No**	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND	PND
Vanadium	**No**	**No**	**No**	**No**	PND	PND	PND	PND	PND	PND	PND	PND	**No**	**No**	PND	PND
Zinc	PND	PND	PND	PND	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 above the Quantitation Limit during the current water quality monitoring event
yes = The test suggest the results show a statistically significant increase (SSI) over background values.
No = The test suggests the specified well does not have statistically elevated levels of the parameter

TABLE 8 Continued
STATISTICAL TEST RESULTS SUMMARY (10/09)
APPENDIX II - PESTICIDES & HERBICIDES
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
2,4,5,-TP (Silvex)	PND	PND	PND	PND	PND	PND	PND	PND	**Yes**	**Yes**	**Yes**	**Yes**	PND	PND

Compound	Sample Locations															
	II-7B		II-8		II-9		II-10		II-11		II-12		MW-13		MW-14	
	WRS	TL	WRS	TL	WRS	TL	WRS	TL	WRS	TL	WRS	TL	WRS	TL	WRS	TL
2,4,5,-TP (Silvex)	PND	PND	PND	PND	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 above the Quantitation Limit during the current water quality monitoring event
yes = The test suggest the results show a statistically significant increase (SSI) over background values.
No = The test suggests the specified well does not have statistically elevated levels of the parameter

Table 9
GROUNDWATER VELOCITY DATA (10/09)
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	0.026	0.015
II-2	0.329	0.2	0.020	0.032
II-3	0.380	0.2	0.024	0.046
II-4	0.200	0.2	0.027	0.027
II-5	0.042	0.2	0.032	0.007
II-6	0.221	0.2	0.017	0.018
II-7	1.077	0.2	0.026	0.140
II-8	2.353	0.2	0.024	0.278
MW-14	0.740	0.2	0.015	0.055

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 10
SURFACE WATER ANALYTICAL RESULTS SUMMARY (10/09)
DETECTED 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
	SW-1	SW-2	SW-3	SW-4	SW-5		
Acetone	ND	ND	6.0 J	ND	6.2 J	ns	100
Bromodichloromethane	ND	ND	1.0	ND	ND	ns	1
Chloroform	ND	ND	2.4 J	2.1 J	1.3 J	ns	5
Toluene	ND	ND	0.85 J	ND	ND	11	1

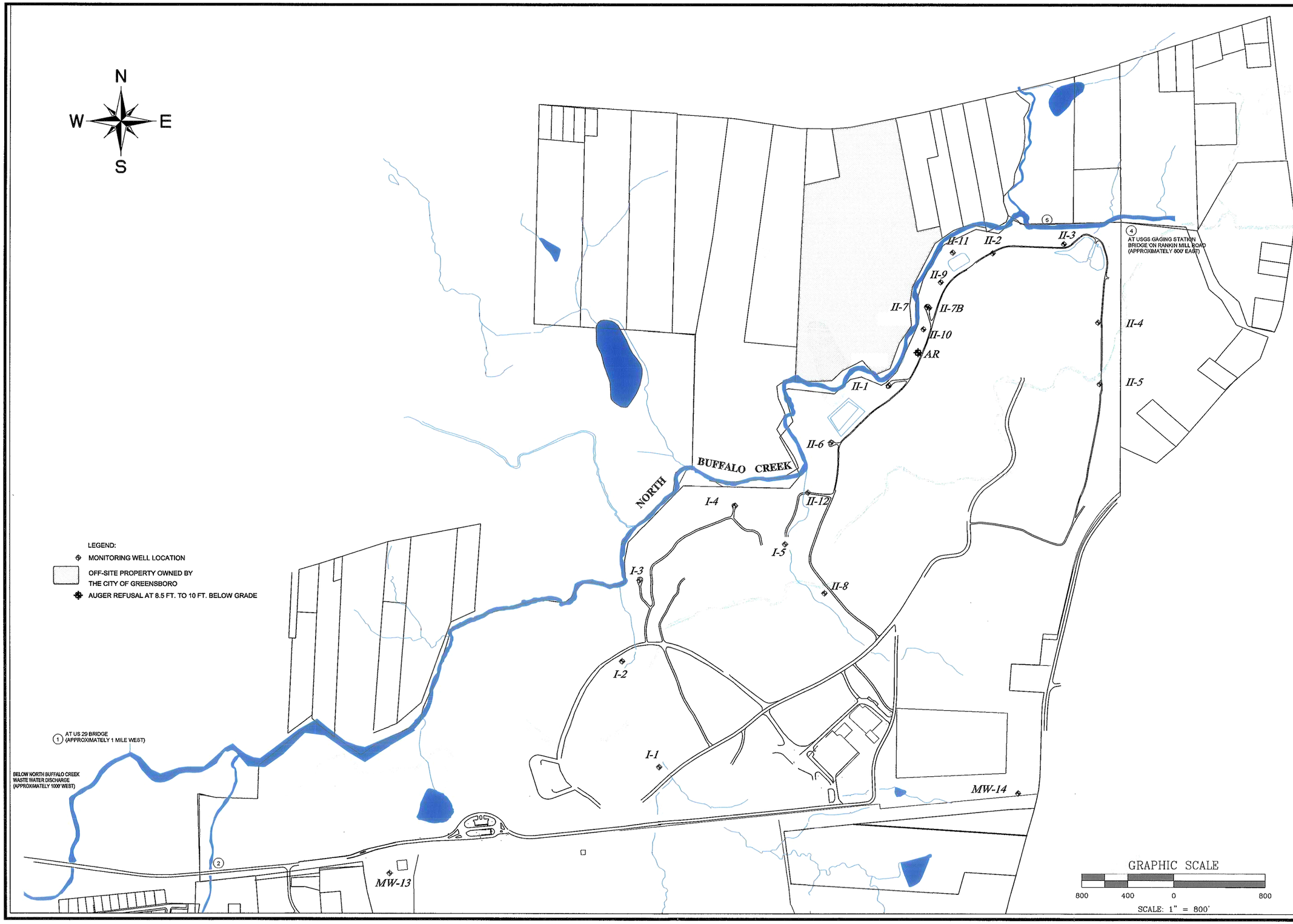
NC SWSL= North Carolina Solid Waste Section Limit
BQL = compound not detected above NC SWSL
** = Title 15A NCAC 2B Standards for Class B, C surface water*
J = Parameters are estimated values between the detection limit and the NC SWSL.
ns = Title 15A NCAC 2B provides no established standard for these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

TABLE 11
SURFACE WATER ANALYTICAL RESULTS SUMMARY (10/09)
DETECTED METALS
PHASE II - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Compound	Sample Locations					15A NCAC 2B	NC SWSL
	SW-1	SW-2	SW-3	SW-4	SW-5	Standards*	(µg/l)
Antimony	0.461 JB	0.185 JB	0.351 JB	0.346 JB	0.337 JB	ns	6
Barium	68.3 J	36.3 J	21.8 J	27.2 J	26.9 J	ns	100
Beryllium	0.113 J	ND	ND	ND	ND	6.5	1
Cadmium	0.477 J	ND	ND	ND	ND	0.4	1
Chromium	8.16 J	ND	ND	ND	ND	50	10
Cobalt	3.43 J	ND	ND	ND	ND	ns	10
Copper	10.7	ND	7.10 J	5.15 J	5.26 J	7	10
Lead	8.94 J	ND	ND	2.44 J	3.34 J	25	10
Nickel	2.94 J	ND	2.53 J	1.89 J	ND	88	50
Vanadium	10.7	2.19 J	1.81 J	2.79 J	1.86 J	ns	25
Zinc	70	7.62 J	45.2	30.9	33.2	50	10

NC SWSL= North Car North Carolina Solid Waste Section Limit
BQL = compound compound not detected above NC SWSL
** = Title 15A N Title 15A NCAC 2B Standards for Class B, C surface water*
J = Parameter Parameters are estimated values between the detection limit and the NC SWSL.
ns = Title 15A N Title 15A NCAC 2B provides no established standard for these constituents
NA = Not Analyz Not Analyzed
Quantities Quantities highlighted in yellow were detected above the NC SWSL
Quantities Quantities highlighted in orange were detected above the 2L standards

FIGURES



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

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

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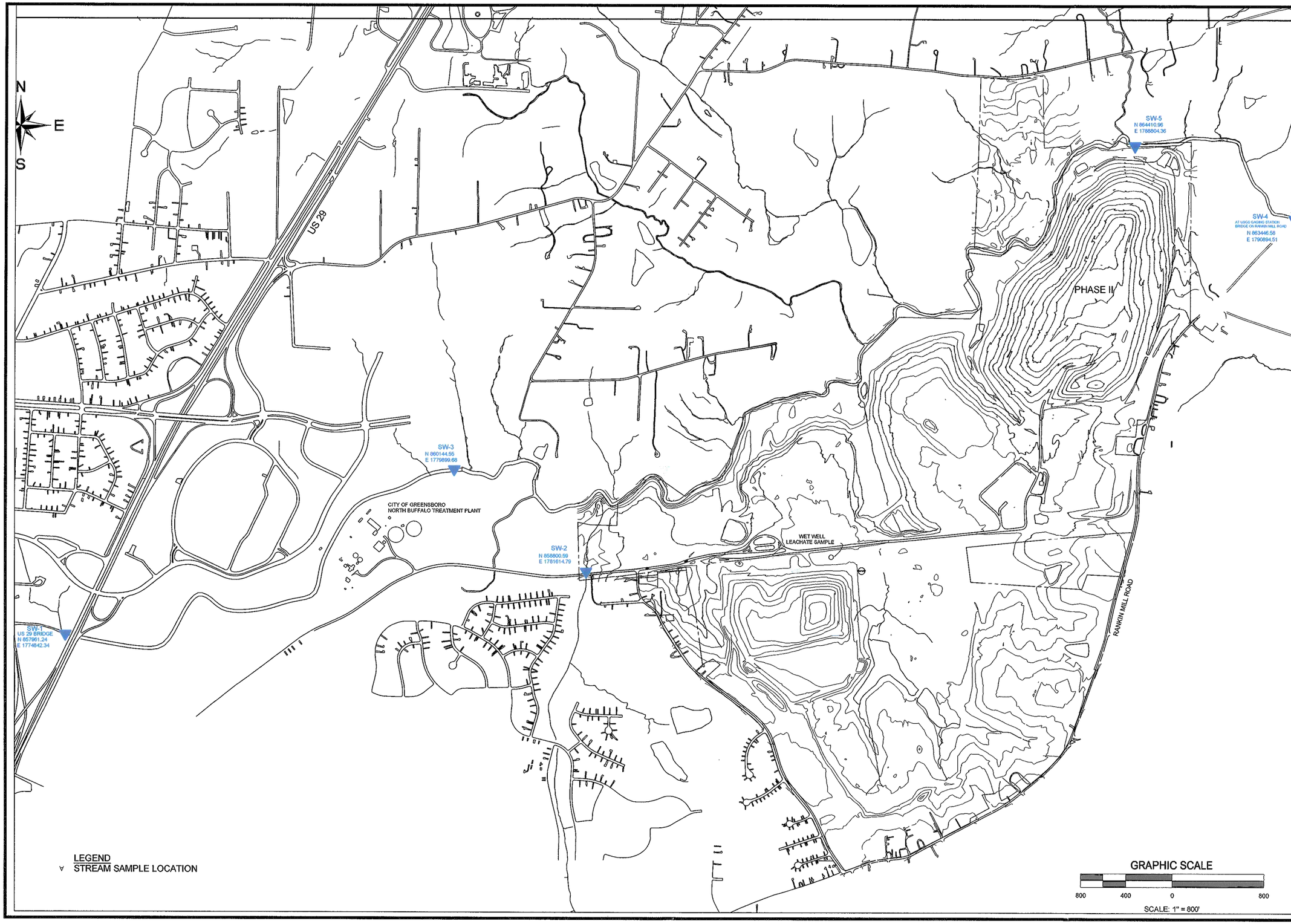

STREAM SAMPLE LOCATION
PHASE III
WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA

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

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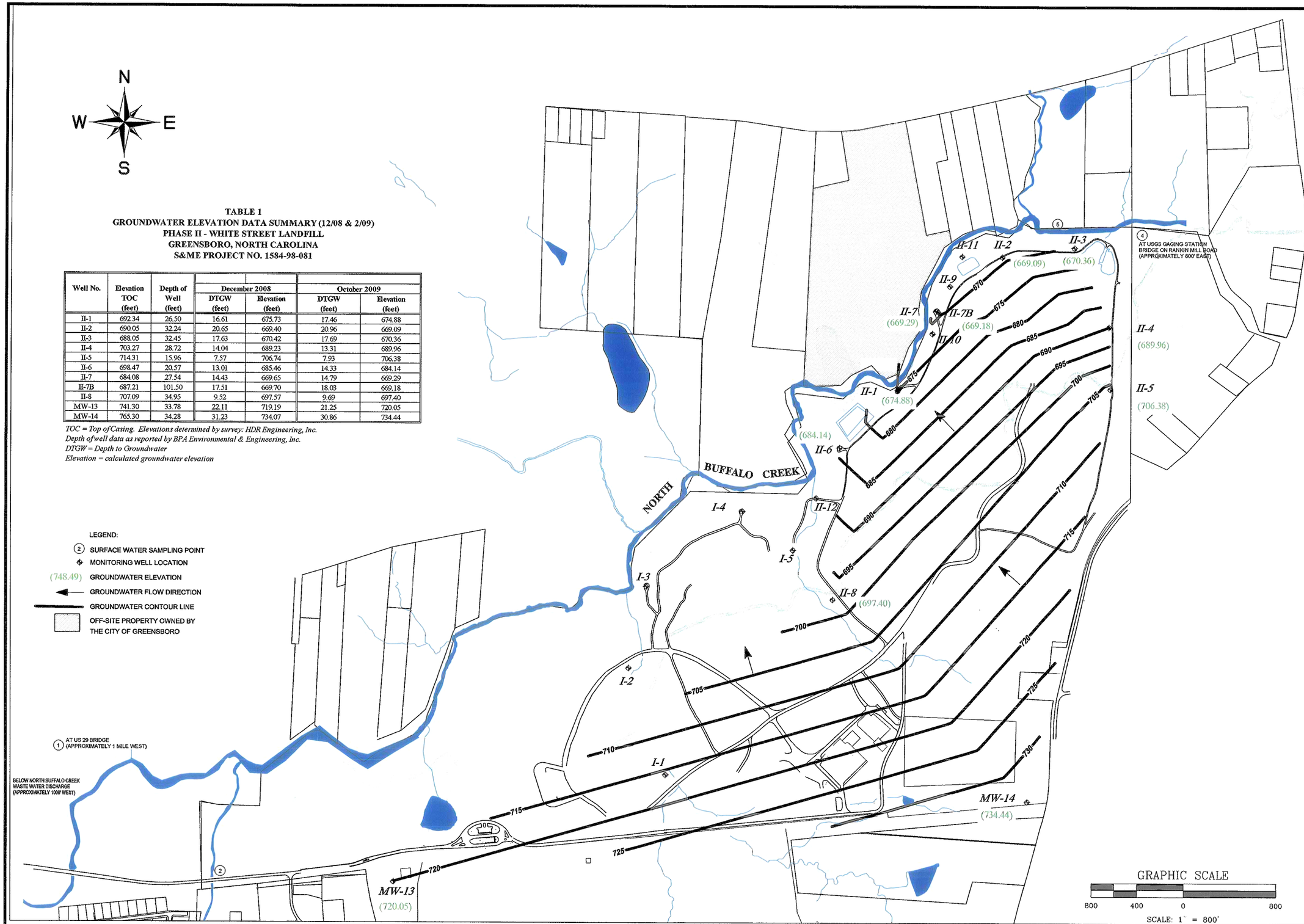
TABLE 1
GROUNDWATER ELEVATION DATA SUMMARY (12/08 & 2/09)
PHASE II - WHITE STREET LANDFILL
GREENSBORO, NORTH CAROLINA
S&ME PROJECT NO. 1584-98-081

Well No.	Elevation TOC (feet)	Depth of Well (feet)	December 2008		October 2009	
			DTGW (feet)	Elevation (feet)	DTGW (feet)	Elevation (feet)
II-1	692.34	26.50	16.61	675.73	17.46	674.88
II-2	690.05	32.24	20.65	669.40	20.96	669.09
II-3	688.05	32.45	17.63	670.42	17.69	670.36
II-4	703.27	28.72	14.04	689.23	13.31	689.96
II-5	714.31	15.96	7.57	706.74	7.93	706.38
II-6	698.47	20.57	13.01	685.46	14.33	684.14
II-7	684.08	27.54	14.43	669.65	14.79	669.29
II-7B	687.21	101.50	17.51	669.70	18.03	669.18
II-8	707.09	34.95	9.52	697.57	9.69	697.40
MW-13	741.30	33.78	22.11	719.19	21.25	720.05
MW-14	765.30	34.28	31.23	734.07	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



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

SCALE: AS SHOWN	DRAWN BY: DSB/RDM	CHECKED BY: LSE	
JOB NO. 1584-98-081B	DATE: NOVEMBER 2009	FIGURE NO. 3	

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APPENDIX I
Groundwater Sampling Field Data Sheets

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Purge Date: 10/16/09
Project No.: 1584-98-081
Purge Time:
Source Well: II-1
Sample Date: 10/16/09
Locked? Yes No
Sample Time: 1000
PVC Steel Stainless
Weather: CLOUDY
Sampled By: GWS
Air Temp: 48°

Water Level and Well Data

Depth to water from measuring point: 17.46 feet
Depth to well bottom from measuring point: feet
$F_{@H}$ = 3.30 mg/L
Height of water column: feet
Measuring Point: TOC

Well Purging and Sample Collection

Purge Method: PUMP
Sample Method: PUMP

Sample Collection Time
Start: 0900 Stop: 1000

Purge Time
Purge Rate: <100 m liter/min
Start: 0815 Stop: 0900
control settings: 3 on 27 off @ PSI
cycles:
changes?:
duration:

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

Volume of water removed: gallon liters

Was well purged dry: Yes No

Field Analyses

** Stabilization Parameters*

Time	0820	0825	0830	0835	0840	0845	0850	0855	0900
Temp	13.35	13.41	13.50	13.47	13.52	13.49	13.47	13.49	13.46
pH	8.64	8.59	8.60	8.60	8.59	8.59	8.59	8.59	8.58
Conductivity	2.42	2.72	2.76	2.77	2.78	2.79	2.81	2.81	2.82
ORP*	64	9	-6	-17	-26	-35	-42	-47	-50
D.O.*	2.30	1.92	1.62	1.39	1.22	1.10	.98	.91	.89
Turbidity*	29.7	10.55	11.2[illegible]	11.79	11.59	11.67	12.03	11.31	10.67
Water Level	17.69	17.68	17.73	17.77	17.79	17.80	17.83		

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Purge Date: 10/20/09
Project No.: 1584-98-081
Purge Time:
Source Well: II - 2B
Sample Date: 10/20/09
Locked? (Yes) No
Sample Time: 1545
(PVC) Steel Stainless
Weather: Sunny
Sampled By: GMS
Air Temp: 70°

Water Level and Well Data

Depth to water from measuring point: 15.97 feet
Depth to well bottom from measuring point: feet
Height of water column: feet
Measuring Point: TOC

Fe^{+2} 3.13 mg/L

Well Purging and Sample Collection

Purge Method: PERISTALTIC PUMP
Sample Method: PERISTALTIC PUMP

Sample Collection Time
Start: 1500 Stop: 1545

Purge Time
Purge Rate: <100 mliter/min
Start: 1415 Stop: 1450
control settings changes?
cycles:
duration:

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

Volume of water removed: gallon (liters)

Was well purged dry: Yes No

Field Analyses

* *Stabilization Parameters*

Time	1420	1425	1430	1435	1440	1445	1450	
Temp	17.65	17.63	17.73	17.79	17.75	17.77	17.84	
pH	9.20	9.17	9.15	9.14	9.14	9.12	9.12	
Conductivity	.742	.736	.736	.737	.736	.735	.734	
ORP*	-102	-106	-110	-111	-113	-113	-113	
D.O.*	1.80	.98	.79	.79	.77	.76	.70	
Turbidity*	34.4	30.1	22.9	12.89	10.75	9.65	8.73	
Water Level	16.19	16.22	16.26	16.27	16.26	16.26	16.28	

 pH taken w/ Orion meter 7.16

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Purge Date: 10/16/09
Project No.: 1584-98-081
Purge Time:
Source Well: II-2
Sample Date: 10/16/09
Locked? (Yes) No
Sample Time: 1250
(PVC) Steel Stainless
Weather: Cloudy / Cool
Sampled By: GWS
Air Temp: 60°

Water Level and Well Data

Depth to water from measuring point: 20.96 feet

Depth to well bottom from measuring point: _____ feet

Height of water column: _____ feet

Measuring Point: TOC

Fe^{+2} 0.5 mg/L

Well Purging and Sample Collection

Purge Method: PUMP

Sample Method: PUMP

Sample Collection Time
Start: 1150 Stop: 1250

Purge Time
Start: 1110 Stop: 1150

Purge Rate: < 100 mliter/min

control settings: _____ cycles: _____

changes? _____ duration: _____

Volume of Water in well

2" well (volume = 0.163 x h) _____

4" well (volume = 0.651 x h) _____

Volume of water removed _____ gallon (liters)

Was well purged dry Yes (No)

Field Analyses

** Stabilization Parameters*

Time	1115	1120	1125	1130	1135	1140	1145	
Temp	14.06	14.36	14.46	14.88	15.26	15.10	14.92	
pH	9.57	9.56	9.52	9.53	9.52	9.52	9.51	
Conductivity	1.156	1.111	1.122	1.129	1.136	1.143	1.145	
ORP*	-93	-86	-95	-110	-114	-125	-129	
D.O.*	4.36	4.05	3.59	3.48	3.34	3.35	3.25	
Turbidity*	9.08	9.09	8.39	7.10	7.47	6.73	7.01	
Water Level	21.28	21.28	21.36	21.31		21.37		

NOTE: CHECKED pH w/ ANOTHER METER & READ WAS 8.17

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Purge Date: 10/14/09
Project No.: 1584-98-081
Purge Time:
Source Well: II-3
Sample Date: 10/14/09
Locked? (Yes) No
Sample Time: 1215
(PVC) Steel Stainless
Weather: CLOUDY / LIGHT RAIN
Sampled By: GWS
Air Temp: 50°

Water Level and Well Data

Depth to water from measuring point: 17.69 feet

Depth to well bottom from measuring point: _____ feet

Height of water column: _____ feet

Measuring Point: TOP OF STEEL COVER

Well Purging and Sample Collection

Purge Method: PUMP

Sample Method: PUMP

Sample Collection Time
Start: 1115 Stop: 1215

Purge Rate: <100 mliter/min

Purge Time
Start: 1040 Stop: 1115

control settings changes?: 3 on 27 off @ 26 psi
cycles: _____
duration: _____

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

Volume of water removed: _____ gallon (liters)

Was well purged dry: Yes (No)

Field Analyses

* *Stabilization Parameters*

Time	1045	1050	1055	1100	1105	1110	1115	
Temp	13.40	13.69	13.87	13.93	14.23	14.15	14.05	
pH	8.61	8.50	8.43	8.42	8.40	8.39	8.39	
Conductivity	.469	.465	.461	.459	.458	.457	.457	
ORP*	-5	-13	-18	-18	-16	-14	-15	
D.O.*	2.87	2.63	2.33	2.01	1.79	1.53	1.49	
Turbidity*	3.39	41.7	69.2	62.3	52.4	50.9	51.8	
Water Level	17.89	17.91	17.90	17.93	17.92			

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Purge Date: 10/19/09
Project No.: 1584-98-081
Purge Time:
Source Well: II - 4
Sample Date: 10/19/09
Locked? (Yes) No
Sample Time:
(PVC) Steel Stainless
Weather: CLEAR
Sampled By: GANS
Air Temp: 60°

Water Level and Well Data

Depth to water from measuring point: 13.31 feet

Depth to well bottom from measuring point: _____ feet

Height of water column: _____ feet

Measuring Point: TOC

Well Purging and Sample Collection

Purge Method: PUMP

Sample Method: PUMP

Sample Collection Time
Start: 1605 Stop: 1705

Purge Rate: <100 m liter/min

Purge Time
Start: 1445 Stop: 1605

control settings: 3 on 21 off @ PSI
cycles:
changes?:
duration:

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

Volume of water removed: _____ gallon (liters)

Was well purged dry: Yes (No)

Field Analyses

* *Stabilization Parameters*

INCREASED PUMPING RATE TO CLEAR UP WATER

Time	1450	1455	1500	1505	1510	1515	1520	1525
Temp	16.62	16.47	16.48	16.38	16.20	16.03	14.71	14.71
pH	8.76	8.74	8.75	8.74	8.74	8.72	8.70	8.69
Conductivity	.665	.665	.661	.651	.643	.637	.637	.665
ORP*	113	124	132	136	136	144	140	133
D.O.*	2.57	2.23	2.18	1.96	1.80	1.66	.67	.54
Turbidity*	12.18	17.25	16.91	21.1	31.4	46.5	451	367
Water Level	13.66	13.64	13.63	13.69			15.62	16.21

GROUNDWATER SAMPLING FIELD DATA

Location White Street Landfill Purge Date 10/19/09

Project No. 1584-98-081 Purge Time

Source Well II - 4 Sample Date

Locked? Yes No Sample Time

PVC Steel Stainless Weather

Sampled By Air Temp

Water Level and Well Data

Depth to water from measuring point _____ feet

Depth to well bottom from measuring point _____ feet

Height of water column _____ feet

Measuring Point _____

Well Purging and Sample Collection

Purge Method _____

Sample Method _____ Start _____ Stop _____

Sample Collection Time

Purge Rate _____ liter/min Start _____ Stop _____

Purge Time

control settings _____ cycles _____

changes? _____ duration _____

Volume of Water in well

2" well (volume = 0.163 x h) _____

4" well (volume = 0.651 x h) _____

Volume of water removed _____ gallon liters

Was well purged dry Yes No

Field Analyses

EMPTIES FLOW THRU CELL

* *Stabilization Parameters* : STARTED OVER @ <100 ml/m

Time	1535	1540	1545	1550	1555	1600	1605	
Temp	14.92	15.18	15.22	15.13	15.03	14.95	14.90	
pH	8.70	8.70	8.70	8.69	8.70	8.70	8.69	
Conductivity	.751	.762	.769	.773	.775	.790	.792	
ORP*	101	96	94	89	85	86	88	
D.O.*	2.08	2.30	2.70	2.61	2.26	.298	2.28	
Turbidity*	61.7	50.1	50.2	66.7	72.3	105	103	
Water Level	15.61	14.98	14.39	14.26				

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Purge Date: 10/13/09
Project No.: 1584-98-081
Purge Time:
Source Well: II-5
Sample Date: 10/13/09
Locked? (Yes) No
Sample Time: 1840
(PVC) Steel Stainless
Weather: P/cloudy
Sampled By: GWS
Air Temp: 70

Note: Pump needs new check valve

Water Level and Well Data

Depth to water from measuring point: 7.93 feet

Depth to well bottom from measuring point: _____ feet

Height of water column: _____ feet

Measuring Point: TOP OF STEEL COVER

Well Purging and Sample Collection

Purge Method: Pump

Sample Method: Pump

Sample Collection Time
Start: 1740 Stop: 1840

Purge Rate: <100 mliter/min

Purge Time
Start: 1710 Stop: 1740

control settings changes? 7 on 27 off @ psi

cycles: _____
duration: _____

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

Volume of water removed _____ gallon (liters)

Was well purged dry Yes (No)

Field Analyses

* *Stabilization Parameters*

Time	1715	1720	1725	1730	1735	1740		
Temp	20.78	19.73	19.49	18.96	18.66	18.60		
pH	8.71	8.72	8.72	8.71	8.71	8.71		
Conductivity	.634	.665	.691	.701	.705	.707		
ORP*	-68	-79	-94	-104	-112	-114		
D.O.*	1.79	1.47	1.28	1.27	1.24	1.26		
Turbidity*	22.7	28.2	26.0	15.16	13.31	13.91		
Water Level	8.26	8.36	8.45	8.53	8.55			

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Purge Date: 10/13/09
Project No.: 1584-98-081
Purge Time:
Source Well: II-6
Sample Date: 10/13/09
Locked? (Yes) No
Sample Time: 1450
(PVC) Steel Stainless
Weather: SUNNY
Sampled By: GWS
Air Temp: 70°

NOTE: BALL CHEK @ PUMP DOESN WORK HAD TO PULL PUMP & SHAI INLET VALVE LOOSE

Water Level and Well Data

Depth to water from measuring point: 14.33 feet
Depth to well bottom from measuring point: feet
Height of water column: feet
Measuring Point: TOC

Well Purging and Sample Collection

Purge Method: PUMP
Sample Method: PUMP

Sample Collection Time
Start: 1350 Stop: 1450

Purge Time
Purge Rate: ≈100 mliter/min
Start: 1240 Stop: 1350

control settings changes? 3 on 27 off @ 14 PSI
cycles:
duration:

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

Volume of water removed: gallon (liters)

Was well purged dry: Yes (No)

Field Analyses

* *Stabilization Parameters*

EMPTIED FLOW CELL @

Time	1250	1255	1300	1310	1315	1320	1325	1330
Temp	20.01	19.61	18.47	18.37	18.79	18.93	18.89	18.93
pH	8.62	8.72	8.81	8.91	8.90	8.89	8.85	8.83
Conductivity	.505	1.95	3.41	4.01	4.03	4.04	4.06	4.08
ORP*	-23	-85	-166	-184	-173	-173	-173	-175
D.O.*	3.70	3.72	2.82	3.05	3.23	3.20	2.57	2.19
Turbidity*	8.64	20.1	201	205	179	112	137	107
Water Level			14.78	14.72	14.71			

GROUNDWATER SAMPLING FIELD DATA

Page 2 of 2

Location: White Street Landfill
Purge Date: 10/13/09

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

Source Well: II-6
Sample Date: 10/13/09

Locked? Yes No
Sample Time: _____

PVC Steel Stainless
Weather: _____

Sampled By: _____
Air Temp: _____

Water Level and Well Data

Depth to water from measuring point _____ feet

Depth to well bottom from measuring point _____ feet

Height of water column _____ feet

Measuring Point _____

Well Purging and Sample Collection

Purge Method _____

Sample Method _____

Sample Collection Time
Start _____ Stop _____

Purge Time
Start _____ Stop _____

Purge Rate _____ liter/min

control settings changes? _____

cycles _____

duration _____

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

Volume of water removed _____ gallon liters

Was well purged dry Yes No

Field Analyses

** Stabilization Parameters*

Time	1335	1340	1345	1350				
Temp	18.95	19.02	19.14	19.07				
pH	8.85	8.89	8.90	8.89				
Conductivity	4.09	4.10	4.10	4.11				
ORP*	-176	-175	-175	-175				
D.O.*	2.46	2.75	2.81	2.76				
Turbidity*	84.9	69.9	59.6	55.6				
Water Level								

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Purge Date: 10/19/09
Project No.: 1584-98-081
Purge Time:
Source Well: II-78
Sample Date: 10/19/09
Locked? Yes No
Sample Time:
PVC Steel Stainless
Weather: CLEAR
Sampled By: GWS
Air Temp: 37°

Water Level and Well Data

Depth to water from measuring point: 18.03 feet
Depth to well bottom from measuring point: feet
Height of water column: feet
Measuring Point: TOC

Fe^{+2} .02 mg/L

Well Purging and Sample Collection

Purge Method: PUMP
Sample Method: PUMP

Sample Collection Time
Start: 0910 Stop: 1010

Purge Time
Start: 0840 Stop: 0910

Purge Rate: <100 m liter/min
control settings: 3 on 27 off @ 51 psi
changes?
cycles:
duration:

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

Volume of water removed: 4.0 gallon liters

Was well purged dry: Yes No

Field Analyses

** Stabilization Parameters*

Time	0845	0850	0855	0900	0905	0910		
Temp	10.41	11.03	11.33	11.41	11.58	11.70		
pH	12.87	13.58	13.58	13.58	13.59	13.60		
Conductivity	.631	.627	.630	.635	.638	.639		
ORP*	-104	-122	-124	-124	-125	-126		
D.O.*	2.66	1.38	1.10	.95	.85	.81		
Turbidity*	4.10	2.74	3.45	2.13	1.85	1.84		
Water Level	18.64	19.15	19.51	19.79	20.07	20.21		

ph w/ other meter = 10.39

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Purge Date: 10/19/09
Project No.: 1584-98-081
Purge Time:
Source Well: II-7
Sample Date: 10/19/09
Locked? (Yes) No
Sample Time: 1245
(PVC) Steel Stainless
Weather: CLEAR
Sampled By: GMS
Air Temp: 45°

Water Level and Well Data

Depth to water from measuring point: 14.79 feet
Depth to well bottom from measuring point: feet
Height of water column: feet
Measuring Point: TOC

Fe^{+2} .18 mg/L

Well Purging and Sample Collection

Purge Method: PUMP
Sample Method: PUMP

Sample Collection Time
Start: 1145 Stop: 1245

Purge Time
Purge Rate: <100 ml liter/min
Start: 1115 Stop: 1145

control settings changes?: 3 on 27 off @ psi
cycles:
duration:

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

Volume of water removed: gallon (liters)

Was well purged dry: Yes (No)

Field Analyses

* *Stabilization Parameters*

Time	1120	1125	1130	1135	1140	1145		
Temp	12.50	12.00	11.70	12.08	12.06	12.15		
pH	8.51	8.31	8.29	8.28	8.29	8.29		
Conductivity	.420	.398	.482	.492	.492	.492		
ORP*	86	58	75	87	91	92		
D.O.*	.87	1.25	2.28	2.18	2.41	2.48		
Turbidity*	2.53	1.77	3.10	2.88	3.12	2.98		
Water Level	15.21	15.21	15.23	15.24				

ph w/ other meter 6.97

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Purge Date: 10/13/09
Project No.: 1584-98-081
Purge Time:
Source Well: II-8
Sample Date: 10/13/09
Locked? Yes No
Sample Time: 1215
PVC Steel Stainless
Weather: Sunny
Sampled By: Gus
Air Temp: 68°

Water Level and Well Data

Depth to water from measuring point: 9.69 feet

Depth to well bottom from measuring point: _____ feet

Height of water column: _____ feet

Measuring Point: TOC

Well Purging and Sample Collection

Purge Method: PUMP

Sample Method: PUMP

Sample Collection Time
Start: 1115 Stop: 1215

Purge Time
Start: 1045 Stop: 1115

Purge Rate: <100 ml liter/min

control settings: 3 on 27 off @ psi

changes?

cycles

duration

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

Volume of water removed _____ gallon liters

Was well purged dry Yes No

Field Analyses

** Stabilization Parameters*

Time	1050	1055	1100	1105	1110	1115		
Temp	19.76	21.04	21.84	22.29	21.98	21.48		
pH	8.53	8.55	8.54	8.56	8.56	8.53		
Conductivity	2.36	2.58	2.67	2.70	2.71	2.73		
ORP*	-210	-187	-164	-147	-144	-135		
D.O.*	1.51	1.66	1.51	1.34	1.12	1.06		
Turbidity*	14.31	10.20	10.05	10.70	10.63	10.59		
Water Level	9.71	9.72	9.71					

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill — Purge Date: 10/20/09

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

Source Well: II-9 — Sample Date: 10/20/09

Locked? (Yes) No — Sample Time: 1200

(PVC) Steel Stainless — Weather: CLEAR 50°

Sampled By: GWS — Air Temp:

Water Level and Well Data

Depth to water from measuring point: 12.92 feet — Fe^{+2} .39 mg/L

Depth to well bottom from measuring point: _____ feet

Height of water column: _____ feet

Measuring Point: TOC

Well Purging and Sample Collection

Purge Method: PERISTALTIC PUMP

Sample Method: PERISTALTIC PUMP — Sample Collection Time: Start 1130 Stop 1200

Purge Rate: < 100 ml/liter/min — Purge Time: Start 1100 Stop 1120

control settings changes? _____ cycles _____ duration _____

Volume of Water in well

2" well (volume = 0.163 x h) _____

4" well (volume = 0.651 x h) _____

Volume of water removed _____ gallon (liters)

Was well purged dry: Yes (No)

Field Analyses

* *Stabilization Parameters*

Time	1105	1110	1115	1120				
Temp	14.74	14.71	14.75	14.77				
pH	9.31	9.26	9.26	9.25				
Conductivity	.830	.806	.806	.804				
ORP*	-95	-60	-48	-46				
D.O.*	.76	.45	.38	.36				
Turbidity*	14.60	10.14	8.39	8.73				
Water Level	13.26	13.43	13.55					

ph READINGS TAKEN W/ OTHER METER 6.82

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill | Purge Date: 10/20/09

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

Source Well: II-11 | Sample Date: 10/20/09

Locked? (Yes) No | Sample Time: 1320

(PVC) Steel Stainless | Weather: SUNNY

Sampled By: GWS | Air Temp: 60°

Water Level and Well Data

Depth to water from measuring point _____ feet

Depth to well bottom from measuring point _____ feet

Height of water column _____ feet

Measuring Point: TOC

Well Purging and Sample Collection

Purge Method: PERISTALTIC PUMP

Sample Method: PERISTALTIC PUMP

Sample Collection Time Start: 1310 Stop: 1320

Purge Rate: <100 ml liter/min

Purge Time Start: 1235 Stop: 1305

control settings changes? _____ cycles _____ duration _____

Volume of Water in well

2" well (volume = 0.163 x h) _____

4" well (volume = 0.651 x h) _____

Volume of water removed _____ gallon liters

Was well purged dry Yes No

Field Analyses

* *Stabilization Parameters*

Time	1240	1245	1250	1255	1300	1305		
Temp	16.68	16.51	16.60	16.82	17.07	17.30		
pH	9.47	9.48	9.46	9.46	9.45	9.45		
Conductivity	.820	.820	.818	.817	.819	.818		
ORP*	-105	+56	-117	-118	-121	-123		
D.O.*	.61	.32	.30	.30	.30	.33		
Turbidity*	66	63.5	41.3	30.3	15.2	15.22		
Water Level	18.88	19.08	19.07	19.09	19.05	18.99		

ph TAKEN W/ DIGITAL METER 6.83

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Purge Date: 10/20/09
Project No.: 1584-98-081
Purge Time:
Source Well: II - 12
Sample Date: 10/20/09
Locked? (Yes) No
Sample Time: 0915
(PVC) Steel Stainless
Weather: CLEAR
Sampled By: GWS
Air Temp: 36°

Water Level and Well Data

Depth to water from measuring point: 11.24 feet
Depth to well bottom from measuring point: feet
Height of water column: feet
Measuring Point: TOC

DUPLICATE II TAKEN @ THE LOCATION @ 0700 HRS

Well Purging and Sample Collection

Purge Method: PERISTALTIC PUMP
Sample Method: PERISTALTIC PUMP

Sample Collection Time Start: 0815 Stop: 0915

Purge Rate: ≈ 100 mliter/min

Purge Time Start: 0755 Stop: 0815

control settings changes? cycles duration

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

Volume of water removed: gallon (liters)

Was well purged dry: Yes (No)

Field Analyses

* *Stabilization Parameters*

Time	0800	0805	0810	0815				
Temp	12.23	11.39	11.57	12.01				
pH	9.10	9.13	9.14	9.15				
Conductivity	2.88	2.87	2.85	2.83				
ORP*	-190	-204	-208	-210				
D.O.*	1.15	.58	.44	.40				
Turbidity*	7.95	6.65	6.53	7.01				
Water Level		11.83	11.91					

pH TAKEN W/ OTHER METER 6.89

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Purge Date: 10/14/09
Project No.: 1584-98-081
Purge Time:
Source Well: MW-13
Sample Date: 10/14/09
Locked? (Yes) No
Sample Time: 1010
(PVC) Steel Stainless
Weather: CLOUDY / RAIN
Sampled By: GWS
Air Temp: 50°

Water Level and Well Data

Depth to water from measuring point: 21.25 feet

Depth to well bottom from measuring point: _____ feet

Height of water column: _____ feet

Measuring Point: TOC

Well Purging and Sample Collection

Purge Method: PUMP

Sample Method: PUMP

Sample Collection Time Start: 0910 Stop: 1010

Purge Rate: <100 (liter)/min

Purge Time Start: 0840 Stop: 0910

control settings changes? 3 on 27 off & 28 psi

cycles: _____

duration: _____

Volume of Water in well

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

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

Volume of water removed: _____ gallon (liters)

Was well purged dry: Yes No

Field Analyses

** Stabilization Parameters*

Time	0845	0850	0855	0900	0905	0910		
Temp	13.79	13.68	13.59	13.69	13.68	13.65		
pH	9.13	9.21	9.21	9.19	9.18	9.18		
Conductivity	.561	.559	.559	.557	.552	.552		
ORP*	[illegible]	10	21	28	30	33		
D.O.*	3.03	2.92	2.85	2.80	2.85	2.87		
Turbidity*	11.09	3.43	4.61	4.58	3.58	3.41		
Water Level	21.49	21.53	21.57	21.62	21.70			

GROUNDWATER SAMPLING FIELD DATA

Location: White Street Landfill
Purge Date: 10/13/09
Project No.: 1584-98-081
Purge Time:
Source Well: MW-14
Sample Date: 10/13/09
Locked? (Yes) No
Sample Time: 1650
(PVC) Steel Stainless
Weather: P/cloudy
Sampled By: GWS
Air Temp: 72°

NOTE: BALL CHECK IN PUMP ISN'T WORKING

Water Level and Well Data

Depth to water from measuring point: 30.86 feet

Depth to well bottom from measuring point: _____ feet

Height of water column: _____ feet

Measuring Point: TOC

Well Purging and Sample Collection

Purge Method: PUMP

Sample Method: PUMP

Sample Collection Time
Start: 1550 Stop: 1650

Purge Time
Start: 1515 Stop: 1550

Purge Rate: <100 mliter/min

control settings: 3 on 27 off @ psi

changes?

cycles

duration

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

Volume of water removed: _____ gallon (liters)

Was well purged dry: Yes (No)

Field Analyses

* *Stabilization Parameters*

Time	1520	1525	1530	1535	1540	1545	1550	
Temp	19.75	19.69	19.16	19.02	19.56	19.84	19.83	
pH	8.93	8.67	8.44	8.36	8.29	8.26	8.26	
Conductivity	.414	.149	.072	.058	.057	.057	.056	
ORP*	-82	-34	23	56	71	77	78	
D.O.*	4.52	3.75	3.38	3.11	3.16	3.14	3.17	
Turbidity*	45.6	14.15	9.73	6.80	4.89	5.14	5.01	
Water Level	30.94	30.97	31.01	30.95				

GROUNDWATER SAMPLING FIELD DATA

Location	White Street Landfill	Purge Date	10/20/09
Project No.	1584-98-081	Purge Time	
Source Well	MW-14	Sample Date	10/20/09
Locked?	(Yes) No	Sample Time	1800
(PVC) Steel Stainless		Weather	SUNNY
Sampled By	GWS	Air Temp	70°

Water Level and Well Data

Depth to water from measuring point _____ feet

Depth to well bottom from measuring point _____ feet

Height of water column _____ feet

Measuring Point TOC

Fe^{+2} 0.01 mg/L

Well Purging and Sample Collection

Purge Method PUMP

Sample Method PUMP

Sample Collection Time Start 1735 Stop 1800

Purge Time Start 1705 Stop 1730

Purge Rate <100 mliter/min

control settings _____ cycles _____

changes? _____ duration _____

Volume of Water in well

2" well (volume = 0.163 x h) _____

4" well (volume = 0.651 x h) _____

Volume of water removed _____ gallon (liters)

Was well purged dry Yes No

Field Analyses

** Stabilization Parameters*

Time	1710	1715	1720	1725	1730			
Temp	18.57	18.52	18.60	18.51	18.50			
pH	8.77	8.72	8.70	8.68	8.69			
Conductivity	.101	.085	.080	.076	.070			
ORP*	15	26	31	35	37			
D.O.*	3.38	3.41	3.44	3.47	3.47			
Turbidity*	7.15	6.33	5.95	5.89	5.94			
Water Level								

APPENDIX II

October 2009 Laboratory Analytical Results Report

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

Wednesday, November 4, 2009

S&ME, Inc. (SM004)

Attn: Edmund Henriques

3718 Old Battleground Rd.

Greensboro, NC 27410

RE: Laboratory Results for
Project Number: 1584-98-081, Project Name/Desc: White Street LF App II (Phase II)
ENCO Workorder: C910811

Dear Edmund Henriques,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Thursday, October 15, 2009.

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 193.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: 4103 II-3 | **Lab ID: C910811-01** | **Sampled: 10/14/09 12:15** | **Received: 10/15/09 13:00**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 335.4	10/28/09		10/21/09	13:12	10/22/2009	10:54
EPA 6010C	04/12/10		10/16/09	09:21	10/28/2009	12:46
EPA 6020A	04/12/10		10/16/09	09:23	10/21/2009	12:22
EPA 7470A	11/11/09		10/16/09	09:25	10/16/2009	15:57
EPA 8081B	10/21/09	11/28/09	10/19/09	02:45	10/20/2009	11:12
EPA 8082A	10/14/10	10/14/10	10/19/09	02:45	10/20/2009	11:12
EPA 8151A	10/21/09	11/28/09	10/19/09	08:37	10/23/2009	16:56
EPA 8260B	10/28/09		10/16/09	11:49	10/18/2009	08:06
EPA 8270D	10/21/09	11/25/09	10/16/09	06:51	10/19/2009	20:27
SM18 4500-S D	10/21/09		10/19/09	16:50	10/19/2009	16:50

Client ID: 4103 MW-13 | **Lab ID: C910811-02** | **Sampled: 10/14/09 10:10** | **Received: 10/15/09 13:00**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 335.4	10/28/09		10/21/09	13:12	10/22/2009	10:57
EPA 6010C	04/12/10		10/16/09	09:21	10/28/2009	12:49
EPA 6020A	04/12/10		10/16/09	09:23	10/21/2009	12:26
EPA 7470A	11/11/09		10/16/09	09:25	10/16/2009	16:00
EPA 8081B	10/21/09	11/28/09	10/19/09	02:45	10/20/2009	11:25
EPA 8082A	10/14/10	10/14/10	10/19/09	02:45	10/20/2009	11:25
EPA 8151A	10/21/09	11/28/09	10/19/09	08:37	10/23/2009	17:20
EPA 8260B	10/28/09		10/16/09	11:49	10/18/2009	08:37
EPA 8270D	10/21/09	11/25/09	10/16/09	06:51	10/19/2009	20:54
SM18 4500-S D	10/21/09		10/19/09	16:50	10/19/2009	16:50

Client ID: 4103 II-5 | **Lab ID: C911965-01** | **Sampled: 10/13/09 18:40** | **Received: 10/14/09 13:00**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 335.4	10/27/09		10/20/09	13:23	10/21/2009	08:59
EPA 6010C	04/11/10		10/14/09	16:58	10/27/2009	11:20
EPA 6020A	04/11/10		10/16/09	09:23	10/21/2009	12:43
EPA 7470A	11/10/09		10/15/09	10:08	10/15/2009	16:43
EPA 8081B	10/20/09	11/28/09	10/19/09	08:45	10/20/2009	12:44
EPA 8082A	10/13/10	10/13/10	10/19/09	08:45	10/20/2009	12:44
EPA 8151A	10/20/09	11/28/09	10/19/09	08:37	10/23/2009	12:55
EPA 8260B	10/27/09		10/16/09	11:24	10/17/2009	18:25
EPA 8270D	10/20/09	11/25/09	10/16/09	06:51	10/20/2009	00:37
SM18 4500-S D	10/20/09		10/19/09	16:50	10/19/2009	16:50

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Client ID: 4103 II-6 | **Lab ID: C911965-02** | **Sampled: 10/13/09 14:50** | **Received: 10/14/09 13:00**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 335.4	10/27/09		10/20/09	13:23	10/21/2009 09:01
EPA 6010C	04/11/10		10/14/09	16:58	10/27/2009 11:23
EPA 6020A	04/11/10		10/16/09	09:23	10/21/2009 12:54
EPA 7470A	11/10/09		10/15/09	10:08	10/15/2009 16:47
EPA 8081B	10/20/09	11/28/09	10/19/09	08:45	10/20/2009 12:57
EPA 8082A	10/13/10	10/13/10	10/19/09	08:45	10/20/2009 12:57
EPA 8151A	10/20/09	11/28/09	10/19/09	08:37	10/23/2009 13:19
EPA 8260B	10/27/09		10/16/09	11:24	10/17/2009 18:56
EPA 8270D	10/20/09	11/25/09	10/16/09	06:51	10/20/2009 01:04
SM18 4500-S D	10/20/09		10/19/09	16:50	10/19/2009 16:50

Client ID: 4103 II-8 | **Lab ID: C911965-03** | **Sampled: 10/13/09 12:15** | **Received: 10/14/09 13:00**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 335.4	10/27/09		10/20/09	13:23	10/21/2009 09:03
EPA 6010C	04/11/10		10/14/09	16:58	10/27/2009 11:35
EPA 6020A	04/11/10		10/16/09	09:23	10/21/2009 12:57
EPA 7470A	11/10/09		10/15/09	10:08	10/15/2009 16:52
EPA 8081B	10/20/09	11/28/09	10/19/09	08:45	10/20/2009 13:10
EPA 8082A	10/13/10	10/13/10	10/19/09	08:45	10/20/2009 13:10
EPA 8151A	10/20/09	11/28/09	10/19/09	08:37	10/23/2009 13:43
EPA 8260B	10/27/09		10/16/09	11:24	10/17/2009 19:27
EPA 8270D	10/20/09	11/25/09	10/16/09	06:51	10/20/2009 01:30
SM18 4500-S D	10/20/09		10/19/09	16:50	10/19/2009 16:50

Client ID: 4103 MW-14 | **Lab ID: C911965-04** | **Sampled: 10/13/09 16:50** | **Received: 10/14/09 13:00**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 335.4	10/27/09		10/20/09	13:23	10/21/2009 09:04
EPA 6010C	04/11/10		10/14/09	16:58	10/27/2009 11:39
EPA 6020A	04/11/10		10/16/09	09:23	10/21/2009 13:01
EPA 7470A	11/10/09		10/15/09	10:08	10/15/2009 17:01
EPA 8081B	10/20/09	11/28/09	10/19/09	08:45	10/20/2009 13:24
EPA 8082A	10/13/10	10/13/10	10/19/09	08:45	10/20/2009 13:24
EPA 8151A	10/20/09	11/28/09	10/19/09	08:37	10/23/2009 14:07
EPA 8260B	10/27/09		10/16/09	11:24	10/17/2009 19:57
EPA 8270D	10/20/09	11/25/09	10/16/09	06:51	10/20/2009 01:57
SM18 4500-S D	10/20/09		10/19/09	16:50	10/19/2009 16:50

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Client ID: 4103 II - 1	Lab ID: C912168-01	Sampled: 10/16/09 10:00	Received: 10/17/09 09:45

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 335.4	10/30/09		10/21/09	13:12	10/22/2009	11:00
EPA 6010C	04/14/10		10/20/09	10:28	10/24/2009	14:52
EPA 6020A	04/14/10		10/20/09	10:32	10/26/2009	12:11
EPA 7470A	11/13/09		10/19/09	10:14	10/19/2009	17:18
EPA 8081B	10/23/09	11/28/09	10/19/09	02:45	10/20/2009	13:37
EPA 8082A	10/16/10	10/16/10	10/19/09	02:45	10/20/2009	13:37
EPA 8151A	10/23/09	11/30/09	10/21/09	08:06	10/22/2009	22:52
EPA 8260B	10/30/09		10/21/09	13:32	10/21/2009	22:38
EPA 8270D	10/23/09	11/29/09	10/20/09	08:57	10/20/2009	21:44
SM18 4500-S D	10/23/09		10/19/09	16:50	10/19/2009	16:50

Client ID: 4103 II - 2	Lab ID: C912168-02	Sampled: 10/16/09 12:50	Received: 10/17/09 09:45

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 335.4	10/30/09		10/21/09	13:12	10/22/2009	11:02
EPA 6010C	04/14/10		10/20/09	10:28	10/24/2009	14:56
EPA 6020A	04/14/10		10/20/09	10:32	10/26/2009	12:15
EPA 7470A	11/13/09		10/19/09	10:14	10/19/2009	17:22
EPA 8081B	10/23/09	11/28/09	10/19/09	02:45	10/20/2009	13:50
EPA 8082A	10/16/10	10/16/10	10/19/09	02:45	10/20/2009	13:50
EPA 8151A	10/23/09	11/30/09	10/21/09	08:06	10/22/2009	23:17
EPA 8260B	10/30/09		10/21/09	13:32	10/21/2009	23:06
EPA 8270D	10/23/09	11/29/09	10/20/09	08:57	10/20/2009	22:10
SM18 4500-S D	10/23/09		10/19/09	16:50	10/19/2009	16:50

Client ID: 4103 Trip Blank #2	Lab ID: C912168-03	Sampled: 10/16/09 12:50	Received: 10/17/09 09:45

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 8260B	10/30/09		10/21/09	13:32	10/21/2009	22:09

Client ID: 4103 II - 4	Lab ID: C912222-01	Sampled: 10/19/09 17:05	Received: 10/20/09 11:00

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 335.4	11/02/09		10/21/09	13:12	10/22/2009	11:04
EPA 6010C	04/17/10		10/22/09	15:40	10/27/2009	19:13
EPA 6020A	04/17/10		10/20/09	16:00	10/26/2009	12:18
EPA 7470A	11/16/09		10/22/09	09:43	10/22/2009	15:56
EPA 8081B	10/26/09	12/01/09	10/22/09	07:56	10/23/2009	13:24
EPA 8082A	10/19/10	10/19/10	10/22/09	07:56	10/23/2009	13:24
EPA 8151A	10/26/09	12/01/09	10/22/09	14:11	10/27/2009	02:33
EPA 8260B	11/02/09		10/21/09	13:32	10/21/2009	23:35
EPA 8270D	10/26/09	11/30/09	10/21/09	07:26	10/30/2009	09:56
SM18 4500-S D	10/26/09		10/23/09	14:20	10/23/2009	14:20

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Client ID: 4103 II - 7 | **Lab ID: C912222-02** | **Sampled: 10/19/09 12:45** | **Received: 10/20/09 11:00**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 335.4	11/02/09		10/21/09	13:12	10/22/2009 11:05
EPA 6010C	04/17/10		10/22/09	15:40	10/27/2009 19:15
EPA 6020A	04/17/10		10/20/09	16:00	10/26/2009 12:22
EPA 7470A	11/16/09		10/22/09	09:43	10/22/2009 15:59
EPA 8081B	10/26/09	12/01/09	10/22/09	07:56	10/23/2009 13:37
EPA 8082A	10/19/10	10/19/10	10/22/09	07:56	10/23/2009 13:37
EPA 8151A	10/26/09	12/01/09	10/22/09	14:11	10/27/2009 02:57
EPA 8260B	11/02/09		10/21/09	13:32	10/22/2009 00:04
EPA 8270D	10/26/09	11/30/09	10/21/09	07:26	10/30/2009 10:26
SM18 4500-S D	10/26/09		10/23/09	14:20	10/23/2009 14:20

Client ID: 4103 II - 7B | **Lab ID: C912222-03** | **Sampled: 10/19/09 10:10** | **Received: 10/20/09 11:00**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 335.4	11/02/09		10/21/09	13:12	10/22/2009 11:07
EPA 6010C	04/17/10		10/22/09	15:40	10/27/2009 19:18
EPA 6020A	04/17/10		10/20/09	16:00	10/26/2009 12:25
EPA 7470A	11/16/09		10/22/09	09:43	10/22/2009 16:02
EPA 8081B	10/26/09	12/01/09	10/22/09	07:56	10/23/2009 13:51
EPA 8082A	10/19/10	10/19/10	10/22/09	07:56	10/23/2009 13:51
EPA 8151A	10/26/09	12/01/09	10/22/09	14:11	10/27/2009 03:21
EPA 8260B	11/02/09		10/21/09	13:32	10/22/2009 00:32
EPA 8270D	10/26/09	11/30/09	10/21/09	07:26	10/30/2009 10:55
SM18 4500-S D	10/26/09		10/23/09	14:20	10/23/2009 14:20

Client ID: 4103-II-12 | **Lab ID: C912263-01** | **Sampled: 10/20/09 09:15** | **Received: 10/21/09 13:30**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 335.4	11/03/09		10/28/09	14:25	10/29/2009 10:45
EPA 6010C	04/18/10		10/23/09	08:24	10/27/2009 15:38
EPA 6020A	04/18/10		10/22/09	15:46	10/26/2009 11:02
EPA 7470A	11/17/09		10/22/09	09:43	10/22/2009 16:05
EPA 8081B	10/27/09	12/03/09	10/24/09	07:42	10/27/2009 16:10
EPA 8082A	10/20/10	10/20/10	10/24/09	07:42	10/27/2009 16:10
EPA 8151A	10/27/09	12/01/09	10/22/09	14:11	10/27/2009 01:45
EPA 8260B	11/03/09		10/22/09	15:30	10/23/2009 06:43
EPA 8270D	10/27/09	12/02/09	10/23/09	07:59	10/30/2009 08:58
SM18 4500-S D	10/27/09		10/26/09	16:00	10/26/2009 16:00

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Client ID: 4103-DUPLICATE II	Lab ID: C912263-02	Sampled: 10/20/09 07:00	Received: 10/21/09 13:30

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 335.4	11/03/09		10/28/09	14:25	10/29/2009	10:47
EPA 6010C	04/18/10		10/23/09	08:24	10/27/2009	15:42
EPA 6020A	04/18/10		10/22/09	15:46	10/26/2009	11:06
EPA 7470A	11/17/09		10/22/09	09:43	10/22/2009	16:09
EPA 8081B	10/27/09	12/03/09	10/24/09	07:42	10/27/2009	16:24
EPA 8082A	10/20/10	10/20/10	10/24/09	07:42	10/27/2009	16:24
EPA 8151A	10/27/09	12/01/09	10/22/09	14:11	10/27/2009	02:09
EPA 8260B	11/03/09		10/22/09	15:30	10/23/2009	07:12
EPA 8270D	10/27/09	12/02/09	10/23/09	07:59	10/30/2009	09:27
SM18 4500-S D	10/27/09		10/26/09	16:00	10/26/2009	16:00

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NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: 4103 II-3 — **Lab ID: C910811-01**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	12		1	0.33	1.0	5	ug/L	EPA 8260B	
Barium - Total	203		1	1.00	10.0	100	ug/L	EPA 6010C	
Benzene	0.70	J	1	0.20	1.0	1	ug/L	EPA 8260B	
Chromium - Total	2.29	J	1	1.00	10.0	10	ug/L	EPA 6010C	
cis-1,2-Dichloroethene	0.46	J	1	0.36	1.0	5	ug/L	EPA 8260B	
Cobalt - Total	25.2		1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	2.31	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Mercury - Total	0.144	J	1	0.0540	0.200	0.2	ug/L	EPA 7470A	
Nickel - Total	11.6	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Tin - Total	4.66	J	1	2.10	10.0	100	ug/L	EPA 6010C	
Vanadium - Total	3.27	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	7.31	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4103 MW-13 — **Lab ID: C910811-02**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	119		1	1.00	10.0	100	ug/L	EPA 6010C	
Tin - Total	4.36	J	1	2.10	10.0	100	ug/L	EPA 6010C	
Vanadium - Total	3.92	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	7.66	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4103 II-5 — **Lab ID: C911965-01**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	0.62	J	1	0.33	1.0	5	ug/L	EPA 8260B	
2,4,5-TP (Silvex)	0.085	J	1	0.056	0.50	2	ug/L	EPA 8151A	
Arsenic - Total	3.40	J	1	2.80	10.0	10	ug/L	EPA 6010C	
Barium - Total	124		1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total	1.51	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Cobalt - Total	20.1		1	1.10	10.0	10	ug/L	EPA 6010C	
Nickel - Total	3.42	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Tin - Total	5.58	J	1	2.10	10.0	100	ug/L	EPA 6010C	
Vanadium - Total	1.65	J	1	1.40	10.0	25	ug/L	EPA 6010C	

Client ID: 4103 II-6 — **Lab ID: C911965-02**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,2-Dichlorobenzene	0.47	J	1	0.27	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	3.8		1	0.38	1.0	1	ug/L	EPA 8260B	
2,4,5-TP (Silvex)	0.45	J	1	0.056	0.50	2	ug/L	EPA 8151A	
2-Methylnaphthalene	1.6	J	1	1.3	10	10	ug/L	EPA 8270D	
Acetone	20	J	1	1.5	5.0	100	ug/L	EPA 8260B	
Antimony - Total	0.211	J	1	0.0730	2.00	6	ug/L	EPA 6020A	
Barium - Total	410		1	1.00	10.0	100	ug/L	EPA 6010C	
Benzene	1.7		1	0.20	1.0	1	ug/L	EPA 8260B	
Chlorobenzene	5.0		1	0.27	1.0	3	ug/L	EPA 8260B	
Chromium - Total	3.77	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Cobalt - Total	34.5		1	1.10	10.0	10	ug/L	EPA 6010C	
Diethylphthalate	2.5	J	1	0.61	10	10	ug/L	EPA 8270D	
m,p-Xylenes	1.8	J	1	0.48	2.0	NE	ug/L	EPA 8260B	
Naphthalene	3.9	J	1	0.39	1.0	10	ug/L	EPA 8260B	
Nickel - Total	40.3	J	1	1.80	10.0	50	ug/L	EPA 6010C	

Client ID: 4103 II-6 Lab ID: C911965-02

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
o-Toluidine	2.5	J	1	1.5	10	10	ug/L	EPA 8270D	
o-Xylene	1.8		1	0.27	1.0	NE	ug/L	EPA 8260B	
Selenium - Total	6.50	J	1	2.70	10.0	10	ug/L	EPA 6010C	
Tin - Total	7.96	J	1	2.10	10.0	100	ug/L	EPA 6010C	
Vanadium - Total	2.02	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Xylenes (Total)	3.6	J	1	0.40	1.0	5	ug/L	EPA 8260B	
Zinc - Total	4.87	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4103 II-8 Lab ID: C911965-03

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	0.73	J	1	0.33	1.0	5	ug/L	EPA 8260B	
Barium - Total	79.2	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chlorobenzene	2.1	J	1	0.27	1.0	3	ug/L	EPA 8260B	
Mercury - Total	0.239		1	0.0540	0.200	0.2	ug/L	EPA 7470A	
Nickel - Total	9.71	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Tin - Total	3.37	J	1	2.10	10.0	100	ug/L	EPA 6010C	
Vanadium - Total	6.24	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	4.03	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4103 MW-14 Lab ID: C911965-04

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Arsenic - Total	3.81	J	1	2.80	10.0	10	ug/L	EPA 6010C	
Barium - Total	12.5	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total	3.55	J	1	1.00	10.0	10	ug/L	EPA 6010C	

Client ID: 4103 II - 1 Lab ID: C912168-01

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	3.0	J	1	0.33	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	6.9		1	0.38	1.0	1	ug/L	EPA 8260B	
Barium - Total	203		1	1.00	10.0	100	ug/L	EPA 6010C	
Benzene	1.4		1	0.20	1.0	1	ug/L	EPA 8260B	
Chlorobenzene	2.9	J	1	0.27	1.0	3	ug/L	EPA 8260B	
Chloroethane	1.7	J	1	0.30	1.0	10	ug/L	EPA 8260B	
Chromium - Total	3.69	J	1	1.00	10.0	10	ug/L	EPA 6010C	
cis-1,2-Dichloroethene	3.0	J	1	0.36	1.0	5	ug/L	EPA 8260B	
Cobalt - Total	36.5		1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	4.76	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Lead - Total	17.2		1	1.90	10.0	10	ug/L	EPA 6010C	
Mercury - Total	0.0541	J	1	0.0540	0.200	0.2	ug/L	EPA 7470A	
Nickel - Total	9.15	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Tin - Total	7.05	J	1	2.10	10.0	100	ug/L	EPA 6010C	
Trichloroethene	0.91	J	1	0.38	1.0	1	ug/L	EPA 8260B	
Vinyl chloride	1.6		1	0.30	1.0	1	ug/L	EPA 8260B	

Client ID: 4103 II - 2 Lab ID: C912168-02

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	17		1	0.33	1.0	5	ug/L	EPA 8260B	
1,1-Dichloroethene	0.60	J	1	0.24	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	0.67	J	1	0.38	1.0	1	ug/L	EPA 8260B	
Barium - Total	41.2	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Benzene	1.9		1	0.20	1.0	1	ug/L	EPA 8260B	

Client ID: 4103 II - 2 **Lab ID: C912168-02**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Chlorobenzene	0.78	J	1	0.27	1.0	3	ug/L	EPA 8260B	
Chloroethane	0.61	J	1	0.30	1.0	10	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	20		1	0.36	1.0	5	ug/L	EPA 8260B	
Dichlorodifluoromethane	0.99	J	1	0.38	1.0	5	ug/L	EPA 8260B	
Tetrachloroethene	5.2		1	0.36	1.0	1	ug/L	EPA 8260B	
Tin - Total	5.20	J	1	2.10	10.0	100	ug/L	EPA 6010C	
Trichloroethene	4.7		1	0.38	1.0	1	ug/L	EPA 8260B	
Trichlorofluoromethane	4.1		1	0.28	1.0	1	ug/L	EPA 8260B	
Vanadium - Total	4.06	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Vinyl chloride	5.4		1	0.30	1.0	1	ug/L	EPA 8260B	
Zinc - Total	8.88	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4103 II - 4 **Lab ID: C912222-01**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	2.2	J	1	0.33	1.0	5	ug/L	EPA 8260B	
Barium - Total	485		1	1.00	10.0	100	ug/L	EPA 6010C	
Beryllium - Total	0.153	J	1	0.100	1.00	1	ug/L	EPA 6010C	
Chlorobenzene	0.40	J	1	0.27	1.0	3	ug/L	EPA 8260B	
Chloroethane	0.73	J	1	0.30	1.0	10	ug/L	EPA 8260B	
Chromium - Total	14.2		1	1.00	10.0	10	ug/L	EPA 6010C	
cis-1,2-Dichloroethene	0.47	J	1	0.36	1.0	5	ug/L	EPA 8260B	
Cobalt - Total	14.7		1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	58.5		1	1.60	10.0	10	ug/L	EPA 6010C	
Lead - Total	1.93	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Nickel - Total	25.8	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Thallium - Total	0.110	J	1	0.110	1.00	5.5	ug/L	EPA 6020A	
Tin - Total	5.66	J	1	2.10	10.0	100	ug/L	EPA 6010C	
Vanadium - Total	79.1		1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	91.1		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4103 II - 7 **Lab ID: C912222-02**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	1.7	J	1	0.33	1.0	5	ug/L	EPA 8260B	
Acetone	2.4	J	1	1.5	5.0	100	ug/L	EPA 8260B	
Barium - Total	90.7	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total	5.25	J	1	1.00	10.0	10	ug/L	EPA 6010C	
cis-1,2-Dichloroethene	0.94	J	1	0.36	1.0	5	ug/L	EPA 8260B	
Cobalt - Total	2.30	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	3.91	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Diethylphthalate	1.0	J	1	0.61	10	10	ug/L	EPA 8270D	
Lead - Total	5.37	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Nickel - Total	4.46	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Tetrachloroethene	0.83	J	1	0.36	1.0	1	ug/L	EPA 8260B	
Tin - Total	6.03	J	1	2.10	10.0	100	ug/L	EPA 6010C	
Trichloroethene	0.48	J	1	0.38	1.0	1	ug/L	EPA 8260B	
Vanadium - Total	6.20	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Vinyl chloride	0.47	J	1	0.30	1.0	1	ug/L	EPA 8260B	
Zinc - Total	60.4		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4103 II - 7B **Lab ID: C912222-03**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes

Client ID: 4103 II - 7B Lab ID: C912222-03

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	0.49	J	1	0.33	1.0	5	ug/L	EPA 8260B	
Arsenic - Total	3.95	J	1	2.80	10.0	10	ug/L	EPA 6010C	
Barium - Total	10.2	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Copper - Total	1.95	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Tetrachloroethene	0.51	J	1	0.36	1.0	1	ug/L	EPA 8260B	
Vanadium - Total	9.44	J	1	1.40	10.0	25	ug/L	EPA 6010C	

Client ID: 4103-II-12 Lab ID: C912263-01

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
3 & 4-Methylphenol	2.0	J	1	1.8	20	10	ug/L	EPA 8270D	
Barium - Total	704		1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total	5.32	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Cobalt - Total	15.1		1	1.10	10.0	10	ug/L	EPA 6010C	
Nickel - Total	7.70	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Phenol	1.3	J	1	1.2	10	10	ug/L	EPA 8270D	
Silver - Total	2.25	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Tin - Total	7.97	J	1	2.10	10.0	100	ug/L	EPA 6010C	

Client ID: 4103-DUPLICATE II Lab ID: C912263-02

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
3 & 4-Methylphenol	2.1	J	1	1.8	20	10	ug/L	EPA 8270D	
Antimony - Total	0.141	J	1	0.0730	2.00	6	ug/L	EPA 6020A	
Arsenic - Total	5.01	J	1	2.80	10.0	10	ug/L	EPA 6010C	
Barium - Total	685		1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total	4.95	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Cobalt - Total	14.5		1	1.10	10.0	10	ug/L	EPA 6010C	
Lead - Total	3.93	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Nickel - Total	8.21	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Silver - Total	2.60	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Tin - Total	8.24	J	1	2.10	10.0	100	ug/L	EPA 6010C	

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ANALYTICAL RESULTS

Description: 4103 II-3
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C910811-01
Sampled: 10/14/09 12:15
Sampled By: Gary Simcox

Received: 10/15/09 13:00
Work Order: C910811

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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/18/09 08:06	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/18/09 08:06	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	10/18/09 08:06	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/18/09 08:06	JKG	
1,1-Dichloroethane [75-34-3] ^	**12**		ug/L	1	0.33	1.0	5	EPA 8260B	10/18/09 08:06	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	10/18/09 08:06	JKG	
1,1-Dichloropropene [563-58-6] ^	0.32	U	ug/L	1	0.32	1.0	5	EPA 8260B	10/18/09 08:06	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	10/18/09 08:06	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.36	U	ug/L	1	0.36	1.0	10	EPA 8260B	10/18/09 08:06	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/18/09 08:06	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	10/18/09 08:06	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	10/18/09 08:06	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	10/18/09 08:06	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/18/09 08:06	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.30	U	ug/L	1	0.30	1.0	5	EPA 8260B	10/18/09 08:06	JKG	
1,3-Dichloropropane [142-28-9] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/18/09 08:06	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/18/09 08:06	JKG	
2,2-Dichloropropane [594-20-7] ^	0.55	U	ug/L	1	0.55	1.0	15	EPA 8260B	10/18/09 08:06	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	10/18/09 08:06	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	10/18/09 08:06	JKG	
3-Chloropropene [107-05-1] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	10/18/09 08:06	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/18/09 08:06	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/18/09 08:06	JKG	
Acetonitrile [75-05-8] ^	2.8	U	ug/L	1	2.8	10	55	EPA 8260B	10/18/09 08:06	JKG	
Acrolein [107-02-8] ^	3.0	U	ug/L	1	3.0	10	53	EPA 8260B	10/18/09 08:06	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	10/18/09 08:06	JKG	
Benzene [71-43-2] ^	**0.70**	J	ug/L	1	0.20	1.0	1	EPA 8260B	10/18/09 08:06	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	10/18/09 08:06	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/18/09 08:06	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	10/18/09 08:06	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	10/18/09 08:06	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	10/18/09 08:06	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/18/09 08:06	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/18/09 08:06	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	10/18/09 08:06	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	10/18/09 08:06	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	10/18/09 08:06	JKG	
Chloroprene [126-99-8] ^	0.24	U	ug/L	1	0.24	1.0	20	EPA 8260B	10/18/09 08:06	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	**0.46**	J	ug/L	1	0.36	1.0	5	EPA 8260B	10/18/09 08:06	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/18/09 08:06	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	10/18/09 08:06	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	10/18/09 08:06	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.38	U	ug/L	1	0.38	1.0	5	EPA 8260B	10/18/09 08:06	JKG	

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Description: 4103 II-3
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C910811-01
Sampled: 10/14/09 12:15
Sampled By: Gary Simcox

Received: 10/15/09 13:00
Work Order: C910811

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
Ethyl Methacrylate [97-63-2] ^	0.32	U	ug/L	1	0.32	1.0	10	EPA 8260B	10/18/09 08:06	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/18/09 08:06	JKG	
Hexachlorobutadiene [87-68-3] ^	0.35	U	ug/L	1	0.35	1.0	10	EPA 8260B	10/18/09 08:06	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	10/18/09 08:06	JKG	
Isobutyl alcohol [78-83-1] ^	14	U	ug/L	1	14	50	100	EPA 8260B	10/18/09 08:06	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.48	U	ug/L	1	0.48	2.0	NE	EPA 8260B	10/18/09 08:06	JKG	
Methacrylonitrile [126-98-7] ^	2.8	U	ug/L	1	2.8	10	100	EPA 8260B	10/18/09 08:06	JKG	
Methyl Methacrylate [80-62-6] ^	0.53	U	ug/L	1	0.53	1.0	30	EPA 8260B	10/18/09 08:06	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	10/18/09 08:06	JKG	
Naphthalene [91-20-3] ^	0.39	U	ug/L	1	0.39	1.0	10	EPA 8260B	10/18/09 08:06	JKG	
o-Xylene [95-47-6] ^	0.27	U	ug/L	1	0.27	1.0	NE	EPA 8260B	10/18/09 08:06	JKG	
Propionitrile [107-12-0] ^	4.8	U	ug/L	1	4.8	10	150	EPA 8260B	10/18/09 08:06	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	10/18/09 08:06	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/18/09 08:06	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/18/09 08:06	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	10/18/09 08:06	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/18/09 08:06	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	10/18/09 08:06	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/18/09 08:06	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/18/09 08:06	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	10/18/09 08:06	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	10/18/09 08:06	JKG	
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/18/09 08:06	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*40*	*1*	*50.0*	*80 %*	*51-122*	*9J17001*	*EPA 8260B*	*10/18/09 08:06*	*JKG*	
Dibromofluoromethane	*37*	*1*	*50.0*	*74 %*	*68-117*	*9J17001*	*EPA 8260B*	*10/18/09 08:06*	*JKG*	
Toluene-d8	*38*	*1*	*50.0*	*75 %*	*69-110*	*9J17001*	*EPA 8260B*	*10/18/09 08:06*	*JKG*	

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Description: 4103 II-3
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C910811-01
Sampled: 10/14/09 12:15
Sampled By: Gary Simcox

Received: 10/15/09 13:00
Work Order: C910811

Semivolatile 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
1,2,4,5-Tetrachlorobenzene [95-94-3]	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	10/19/09 20:27	DFM	
1,3,5-Trinitrobenzene [99-35-4]	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/19/09 20:27	DFM	
1,3-Dinitrobenzene [99-65-0]	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	10/19/09 20:27	DFM	
1,4-Naphthoquinone [130-15-4]	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	10/19/09 20:27	DFM	
1,4-Phenylenediamine [106-50-3]	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	10/19/09 20:27	DFM	
1-Naphthylamine [134-32-7]	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	10/19/09 20:27	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/19/09 20:27	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/19/09 20:27	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	10/19/09 20:27	DFM	
2,4-Dichlorophenol [120-83-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/19/09 20:27	DFM	
2,4-Dimethylphenol [105-67-9] ^	2.6	U	ug/L	1	2.6	10	10	EPA 8270D	10/19/09 20:27	DFM	
2,4-Dinitrophenol [51-28-5] ^	2.6	U	ug/L	1	2.6	10	50	EPA 8270D	10/19/09 20:27	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	10/19/09 20:27	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/19/09 20:27	DFM	
2-Acetylaminofluorene [53-96-3]	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	10/19/09 20:27	DFM	
2-Chloronaphthalene [91-58-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/19/09 20:27	DFM	
2-Chlorophenol [95-57-8] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/19/09 20:27	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	1.9	U	ug/L	1	1.9	10	50	EPA 8270D	10/19/09 20:27	DFM	
2-Methylnaphthalene [91-57-6] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/19/09 20:27	DFM	
2-Methylphenol [95-48-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/19/09 20:27	DFM	
2-Naphthylamine [91-59-8]	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	10/19/09 20:27	DFM	
2-Nitroaniline [88-74-4] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270D	10/19/09 20:27	DFM	
2-Nitrophenol [88-75-5] ^	2.3	U	ug/L	1	2.3	10	10	EPA 8270D	10/19/09 20:27	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.8	U	ug/L	1	1.8	20	10	EPA 8270D	10/19/09 20:27	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	1.7	U	ug/L	1	1.7	10	20	EPA 8270D	10/19/09 20:27	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	10/19/09 20:27	DFM	
3-Methylcholanthrene [56-49-5]	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/19/09 20:27	DFM	
3-Nitroaniline [99-09-2] ^	1.6	U	ug/L	1	1.6	10	50	EPA 8270D	10/19/09 20:27	DFM	
4-Aminobiphenyl [92-67-1]	3.1	U	ug/L	1	3.1	10	20	EPA 8270D	10/19/09 20:27	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/19/09 20:27	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.6	U	ug/L	1	1.6	10	20	EPA 8270D	10/19/09 20:27	DFM	
4-Chloroaniline [106-47-8] ^	1.6	U	ug/L	1	1.6	10	20	EPA 8270D	10/19/09 20:27	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/19/09 20:27	DFM	
4-Nitroaniline [100-01-6] ^	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	10/19/09 20:27	DFM	
4-Nitrophenol [100-02-7] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270D	10/19/09 20:27	DFM	
5-Nitro-o-toluidine [99-55-8]	0.60	U	ug/L	1	0.60	10	10	EPA 8270D	10/19/09 20:27	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6]	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/19/09 20:27	DFM	
Acenaphthene [83-32-9] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/19/09 20:27	DFM	
Acenaphthylene [208-96-8] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/19/09 20:27	DFM	
Acetophenone [98-86-2]	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/19/09 20:27	DFM	
Benzyl alcohol [100-51-6] ^	2.0	U	ug/L	1	2.0	10	20	EPA 8270D	10/19/09 20:27	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/19/09 20:27	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/19/09 20:27	DFM	
Bis(2-chloroisopropyl)ether [39638-32-9] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270D	10/19/09 20:27	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	2.6	U	ug/L	1	2.6	5.0	15	EPA 8270D	10/19/09 20:27	DFM	
Butylbenzylphthalate [85-68-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/19/09 20:27	DFM	

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Description: 4103 II-3
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C910811-01
Sampled: 10/14/09 12:15
Sampled By: Gary Simcox

Received: 10/15/09 13:00
Work Order: C910811

Semivolatile 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
Dibenzofuran [132-64-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/19/09 20:27	DFM	
Diethylphthalate [84-66-2] ^	0.61	U	ug/L	1	0.61	10	10	EPA 8270D	10/19/09 20:27	DFM	
Dimethylphthalate [131-11-3] ^	0.79	U	ug/L	1	0.79	10	10	EPA 8270D	10/19/09 20:27	DFM	
Di-n-butylphthalate [84-74-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/19/09 20:27	DFM	
Di-n-octylphthalate [117-84-0] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/19/09 20:27	DFM	
Ethyl methanesulfonate [62-50-0] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270D	10/19/09 20:27	DFM	
Fluorene [86-73-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/19/09 20:27	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/19/09 20:27	DFM	
Hexachloroethane [67-72-1] ^	0.97	U	ug/L	1	0.97	10	10	EPA 8270D	10/19/09 20:27	DFM	
Hexachloropropene [1888-71-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/19/09 20:27	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	10/19/09 20:27	DFM	
Isophorone [78-59-1] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	10/19/09 20:27	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/19/09 20:27	DFM	
Methapyrilene [91-80-5] ^	3.8	U	ug/L	1	3.8	10	100	EPA 8270D	10/19/09 20:27	DFM	
Methyl Methanesulfonate [66-27-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/19/09 20:27	DFM	
Nitrobenzene [98-95-3] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/19/09 20:27	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.9	U	ug/L	1	1.9	10	20	EPA 8270D	10/19/09 20:27	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/19/09 20:27	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/19/09 20:27	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270D	10/19/09 20:27	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/19/09 20:27	DFM	
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/19/09 20:27	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270D	10/19/09 20:27	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/19/09 20:27	DFM	
O,O,O-Triethyl phosphorothioate [126-68-1] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/19/09 20:27	DFM	
o-Toluidine [95-53-4] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	10/19/09 20:27	DFM	
Parathion [56-38-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/19/09 20:27	DFM	
p-Dimethylaminoazobenzene [60-11-7]	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/19/09 20:27	DFM	
Phenacetin [62-44-2] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	10/19/09 20:27	DFM	
Phenanthrene [85-01-8] ^	0.74	U	ug/L	1	0.74	10	10	EPA 8270D	10/19/09 20:27	DFM	
Phenol [108-95-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/19/09 20:27	DFM	
Pronamide [23950-58-5] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/19/09 20:27	DFM	
Safrole [94-59-7] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/19/09 20:27	DFM	
Thionazin [297-97-2] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	10/19/09 20:27	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*84*	*1*	*100*	*84 %*	*10-179*	*9J15012*	*EPA 8270D*	*10/19/09 20:27*	*DFM*	
2-Fluorobiphenyl	*40*	*1*	*50.0*	*80 %*	*10-149*	*9J15012*	*EPA 8270D*	*10/19/09 20:27*	*DFM*	
2-Fluorophenol	*60*	*1*	*100*	*60 %*	*10-110*	*9J15012*	*EPA 8270D*	*10/19/09 20:27*	*DFM*	
Nitrobenzene-d5	*39*	*1*	*50.0*	*79 %*	*10-149*	*9J15012*	*EPA 8270D*	*10/19/09 20:27*	*DFM*	
Phenol-d5	*49*	*1*	*100*	*49 %*	*10-88*	*9J15012*	*EPA 8270D*	*10/19/09 20:27*	*DFM*	
Terphenyl-d14	*43*	*1*	*50.0*	*87 %*	*10-188*	*9J15012*	*EPA 8270D*	*10/19/09 20:27*	*DFM*	

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Description: 4103 II-3
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C910811-01
Sampled: 10/14/09 12:15
Sampled By: Gary Simcox

Received: 10/15/09 13:00
Work Order: C910811

Organochlorine Pesticides by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
4,4'-DDD [72-54-8] ^	0.024	U	ug/L	1	0.024	0.050	0.1	EPA 8081B	10/20/09 11:12	JHH	
4,4'-DDE [72-55-9] ^	0.023	U	ug/L	1	0.023	0.050	0.1	EPA 8081B	10/20/09 11:12	JHH	
4,4'-DDT [50-29-3] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	10/20/09 11:12	JHH	
Aldrin [309-00-2] ^	0.012	U	ug/L	1	0.012	0.050	0.05	EPA 8081B	10/20/09 11:12	JHH	
alpha-BHC [319-84-6] ^	0.024	U	ug/L	1	0.024	0.050	0.05	EPA 8081B	10/20/09 11:12	JHH	
beta-BHC [319-85-7] ^	0.028	U	ug/L	1	0.028	0.050	0.05	EPA 8081B	10/20/09 11:12	JHH	
Chlordane (tech) [12789-03-6] ^	0.20	U	ug/L	1	0.20	0.50	0.5	EPA 8081B	10/20/09 11:12	JHH	
Chlordane-alpha [5103-71-9] ^	0.025	U	ug/L	1	0.025	0.050	NE	EPA 8081B	10/20/09 11:12	JHH	
Chlordane-gamma [5103-74-2] ^	0.026	U	ug/L	1	0.026	0.050	NE	EPA 8081B	10/20/09 11:12	JHH	
delta-BHC [319-86-8] ^	0.013	U	ug/L	1	0.013	0.050	0.05	EPA 8081B	10/20/09 11:12	JHH	
Dieldrin [60-57-1] ^	0.0053	U	ug/L	1	0.0053	0.050	0.075	EPA 8081B	10/20/09 11:12	JHH	
Endosulfan I [959-98-8] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	10/20/09 11:12	JHH	
Endosulfan II [33213-65-9] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	10/20/09 11:12	JHH	
Endosulfan sulfate [1031-07-8] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	10/20/09 11:12	JHH	
Endrin [72-20-8] ^	0.0034	U	ug/L	1	0.0034	0.050	0.1	EPA 8081B	10/20/09 11:12	JHH	
Endrin aldehyde [7421-93-4] ^	0.037	U	ug/L	1	0.037	0.050	0.1	EPA 8081B	10/20/09 11:12	JHH	
gamma-BHC [58-89-9] ^	0.0027	U	ug/L	1	0.0027	0.050	0.05	EPA 8081B	10/20/09 11:12	JHH	
Heptachlor [76-44-8] ^	0.0023	U	ug/L	1	0.0023	0.050	0.05	EPA 8081B	10/20/09 11:12	JHH	
Heptachlor epoxide [1024-57-3] ^	0.0056	U	ug/L	1	0.0056	0.050	0.075	EPA 8081B	10/20/09 11:12	JHH	
Methoxychlor [72-43-5] ^	0.044	U	ug/L	1	0.044	0.050	1	EPA 8081B	10/20/09 11:12	JHH	
Toxaphene [8001-35-2] ^	0.22	U	ug/L	1	0.22	0.50	1.5	EPA 8081B	10/20/09 11:12	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.78*	*1*	*1.00*	*78 %*	*39-141*	*9119005*	*EPA 8081B*	*10/20/09 11:12*	*JHH*	
Decachlorobiphenyl	*0.88*	*1*	*1.00*	*88 %*	*25-163*	*9119005*	*EPA 8081B*	*10/20/09 11:12*	*JHH*	

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Description: 4103 II-3
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C910811-01
Sampled: 10/14/09 12:15
Sampled By: Gary Simcox

Received: 10/15/09 13:00
Work Order: C910811

Polychlorinated Biphenyls by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
PCB-1016/1242 [12674-11-2/53469-21-9] ^	0.075	U	ug/L	1	0.075	0.50	2	EPA 8082A	10/20/09 11:12	JHH	
PCB-1221 [11104-28-2] ^	0.046	U	ug/L	1	0.046	0.50	NE	EPA 8082A	10/20/09 11:12	JHH	
PCB-1232 [11141-16-5] ^	0.028	U	ug/L	1	0.028	0.50	NE	EPA 8082A	10/20/09 11:12	JHH	
PCB-1248 [12672-29-6] ^	0.014	U	ug/L	1	0.014	0.50	NE	EPA 8082A	10/20/09 11:12	JHH	
PCB-1254 [11097-69-1] ^	0.015	U	ug/L	1	0.015	0.50	NE	EPA 8082A	10/20/09 11:12	JHH	
PCB-1260 [11096-82-5] ^	0.096	U	ug/L	1	0.096	0.50	NE	EPA 8082A	10/20/09 11:12	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.78*	*1*	*1.00*	*78 %*	*39-151*	*9119005*	*EPA 8082A*	*10/20/09 11:12*	*JHH*	
Decachlorobiphenyl	*0.88*	*1*	*1.00*	*88 %*	*55-118*	*9119005*	*EPA 8082A*	*10/20/09 11:12*	*JHH*	

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Description: 4103 II-3
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C910811-01
Sampled: 10/14/09 12:15
Sampled By: Gary Simcox

Received: 10/15/09 13:00
Work Order: C910811

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	**0.144**	J	ug/L	1	0.0540	0.200	0.2	EPA 7470A	10/16/09 15:57	NLH	

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Description: 4103 II-3
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C910811-01
Sampled: 10/14/09 12:15
Sampled By: Gary Simcox

Received: 10/15/09 13:00
Work Order: C910811

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] ^	0.0730	U	ug/L	1	0.0730	2.00	6	EPA 6020A	10/21/09 12:22	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	10/28/09 12:46	JDH	
Barium [7440-39-3] ^	**203**		ug/L	1	1.00	10.0	100	EPA 6010C	10/28/09 12:46	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	10/28/09 12:46	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	10/28/09 12:46	JDH	
Chromium [7440-47-3] ^	**2.29**	J	ug/L	1	1.00	10.0	10	EPA 6010C	10/28/09 12:46	JDH	
Cobalt [7440-48-4] ^	**25.2**		ug/L	1	1.10	10.0	10	EPA 6010C	10/28/09 12:46	JDH	
Copper [7440-50-8] ^	**2.31**	J	ug/L	1	1.60	10.0	10	EPA 6010C	10/28/09 12:46	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/28/09 12:46	JDH	
Nickel [7440-02-0] ^	**11.6**	J	ug/L	1	1.80	10.0	50	EPA 6010C	10/28/09 12:46	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	10/28/09 12:46	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/28/09 12:46	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	10/21/09 12:22	VLO	
Tin [7440-31-5] ^	**4.66**	J	ug/L	1	2.10	10.0	100	EPA 6010C	10/28/09 12:46	JDH	
Vanadium [7440-62-2] ^	**3.27**	J	ug/L	1	1.40	10.0	25	EPA 6010C	10/28/09 12:46	JDH	
Zinc [7440-66-6] ^	**7.31**	J	ug/L	1	3.80	10.0	10	EPA 6010C	10/28/09 12:46	JDH	

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Description: 4103 II-3
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C910811-01
Sampled: 10/14/09 12:15
Sampled By: Gary Simcox

Received: 10/15/09 13:00
Work Order: C910811

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Cyanide (total) [57-12-5] ^	0.0047	U	mg/L	1	0.0047	0.0050	10	EPA 335.4	10/22/09 10:54	PEV	
Sulfide [18496-25-8] ^	0.031	U	mg/L	1	0.031	0.10	1	SM18 4500-S D	10/19/09 16:50	GPW	

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Description: 4103 II-3
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C910811-01
Sampled: 10/14/09 12:15
Sampled By: Gary Simcox

Received: 10/15/09 13:00
Work Order: C910811

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
2,4,5-T [93-76-5] ^	0.053	U	ug/L	1	0.053	0.50	2	EPA 8151A	10/23/09 16:56	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.056	U	ug/L	1	0.056	0.50	2	EPA 8151A	10/23/09 16:56	RGG	
2,4-D [94-75-7] ^	0.091	U	ug/L	1	0.091	0.50	2	EPA 8151A	10/23/09 16:56	RGG	
Dinoseb [88-85-7] ^	0.28	U	ug/L	1	0.28	0.50	1	EPA 8151A	10/23/09 16:56	RGG	
Pentachlorophenol [87-86-5] ^	0.043	U	ug/L	1	0.043	0.50	25	EPA 8151A	10/23/09 16:56	RGG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*1.7*	*1*	*2.00*	*86 %*	*68-139*	*9119002*	*EPA 8151A*	*10/23/09 16:56*	*RGG*	

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

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Description: 4103 MW-13
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C910811-02
Sampled: 10/14/09 10:10
Sampled By: Gary Simcox

Received: 10/15/09 13:00
Work Order: C910811

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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/18/09 08:37	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/18/09 08:37	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	10/18/09 08:37	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/18/09 08:37	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	10/18/09 08:37	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	10/18/09 08:37	JKG	
1,1-Dichloropropene [563-58-6] ^	0.32	U	ug/L	1	0.32	1.0	5	EPA 8260B	10/18/09 08:37	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	10/18/09 08:37	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.36	U	ug/L	1	0.36	1.0	10	EPA 8260B	10/18/09 08:37	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/18/09 08:37	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	10/18/09 08:37	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	10/18/09 08:37	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	10/18/09 08:37	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/18/09 08:37	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.30	U	ug/L	1	0.30	1.0	5	EPA 8260B	10/18/09 08:37	JKG	
1,3-Dichloropropane [142-28-9] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/18/09 08:37	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/18/09 08:37	JKG	
2,2-Dichloropropane [594-20-7] ^	0.55	U	ug/L	1	0.55	1.0	15	EPA 8260B	10/18/09 08:37	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	10/18/09 08:37	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	10/18/09 08:37	JKG	
3-Chloropropene [107-05-1] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	10/18/09 08:37	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/18/09 08:37	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/18/09 08:37	JKG	
Acetonitrile [75-05-8] ^	2.8	U	ug/L	1	2.8	10	55	EPA 8260B	10/18/09 08:37	JKG	
Acrolein [107-02-8] ^	3.0	U	ug/L	1	3.0	10	53	EPA 8260B	10/18/09 08:37	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	10/18/09 08:37	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/18/09 08:37	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	10/18/09 08:37	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/18/09 08:37	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	10/18/09 08:37	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	10/18/09 08:37	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	10/18/09 08:37	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/18/09 08:37	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/18/09 08:37	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	10/18/09 08:37	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	10/18/09 08:37	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	10/18/09 08:37	JKG	
Chloroprene [126-99-8] ^	0.24	U	ug/L	1	0.24	1.0	20	EPA 8260B	10/18/09 08:37	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	10/18/09 08:37	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/18/09 08:37	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	10/18/09 08:37	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	10/18/09 08:37	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.38	U	ug/L	1	0.38	1.0	5	EPA 8260B	10/18/09 08:37	JKG	
Ethyl Methacrylate [97-63-2] ^	0.32	U	ug/L	1	0.32	1.0	10	EPA 8260B	10/18/09 08:37	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/18/09 08:37	JKG	
Hexachlorobutadiene [87-68-3] ^	0.35	U	ug/L	1	0.35	1.0	10	EPA 8260B	10/18/09 08:37	JKG	

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Description: 4103 MW-13
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C910811-02
Sampled: 10/14/09 10:10
Sampled By: Gary Simcox

Received: 10/15/09 13:00
Work Order: C910811

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
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	10/18/09 08:37	JKG	
Isobutyl alcohol [78-83-1] ^	14	U	ug/L	1	14	50	100	EPA 8260B	10/18/09 08:37	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.48	U	ug/L	1	0.48	2.0	NE	EPA 8260B	10/18/09 08:37	JKG	
Methacrylonitrile [126-98-7] ^	2.8	U	ug/L	1	2.8	10	100	EPA 8260B	10/18/09 08:37	JKG	
Methyl Methacrylate [80-62-6] ^	0.53	U	ug/L	1	0.53	1.0	30	EPA 8260B	10/18/09 08:37	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	10/18/09 08:37	JKG	
Naphthalene [91-20-3] ^	0.39	U	ug/L	1	0.39	1.0	10	EPA 8260B	10/18/09 08:37	JKG	
o-Xylene [95-47-6] ^	0.27	U	ug/L	1	0.27	1.0	NE	EPA 8260B	10/18/09 08:37	JKG	
Propionitrile [107-12-0] ^	4.8	U	ug/L	1	4.8	10	150	EPA 8260B	10/18/09 08:37	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	10/18/09 08:37	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/18/09 08:37	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/18/09 08:37	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	10/18/09 08:37	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/18/09 08:37	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	10/18/09 08:37	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/18/09 08:37	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/18/09 08:37	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	10/18/09 08:37	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	10/18/09 08:37	JKG	
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/18/09 08:37	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*40*	*1*	*50.0*	*79 %*	*51-122*	*9J17001*	*EPA 8260B*	*10/18/09 08:37*	*JKG*	
Dibromofluoromethane	*38*	*1*	*50.0*	*75 %*	*68-117*	*9J17001*	*EPA 8260B*	*10/18/09 08:37*	*JKG*	
Toluene-d8	*37*	*1*	*50.0*	*73 %*	*69-110*	*9J17001*	*EPA 8260B*	*10/18/09 08:37*	*JKG*	

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Description: 4103 MW-13
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C910811-02
Sampled: 10/14/09 10:10
Sampled By: Gary Simcox

Received: 10/15/09 13:00
Work Order: C910811

Semivolatile 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
1,2,4,5-Tetrachlorobenzene [95-94-3]	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	10/19/09 20:54	DFM	
1,3,5-Trinitrobenzene [99-35-4]	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/19/09 20:54	DFM	
1,3-Dinitrobenzene [99-65-0]	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	10/19/09 20:54	DFM	
1,4-Naphthoquinone [130-15-4]	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	10/19/09 20:54	DFM	
1,4-Phenylenediamine [106-50-3]	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	10/19/09 20:54	DFM	
1-Naphthylamine [134-32-7]	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	10/19/09 20:54	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/19/09 20:54	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/19/09 20:54	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	10/19/09 20:54	DFM	
2,4-Dichlorophenol [120-83-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/19/09 20:54	DFM	
2,4-Dimethylphenol [105-67-9] ^	2.6	U	ug/L	1	2.6	10	10	EPA 8270D	10/19/09 20:54	DFM	
2,4-Dinitrophenol [51-28-5] ^	2.6	U	ug/L	1	2.6	10	50	EPA 8270D	10/19/09 20:54	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	10/19/09 20:54	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/19/09 20:54	DFM	
2-Acetylaminofluorene [53-96-3]	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	10/19/09 20:54	DFM	
2-Chloronaphthalene [91-58-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/19/09 20:54	DFM	
2-Chlorophenol [95-57-8] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/19/09 20:54	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	1.9	U	ug/L	1	1.9	10	50	EPA 8270D	10/19/09 20:54	DFM	
2-Methylnaphthalene [91-57-6] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/19/09 20:54	DFM	
2-Methylphenol [95-48-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/19/09 20:54	DFM	
2-Naphthylamine [91-59-8]	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	10/19/09 20:54	DFM	
2-Nitroaniline [88-74-4] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270D	10/19/09 20:54	DFM	
2-Nitrophenol [88-75-5] ^	2.3	U	ug/L	1	2.3	10	10	EPA 8270D	10/19/09 20:54	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.8	U	ug/L	1	1.8	20	10	EPA 8270D	10/19/09 20:54	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	1.7	U	ug/L	1	1.7	10	20	EPA 8270D	10/19/09 20:54	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	10/19/09 20:54	DFM	
3-Methylcholanthrene [56-49-5]	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/19/09 20:54	DFM	
3-Nitroaniline [99-09-2] ^	1.6	U	ug/L	1	1.6	10	50	EPA 8270D	10/19/09 20:54	DFM	
4-Aminobiphenyl [92-67-1]	3.1	U	ug/L	1	3.1	10	20	EPA 8270D	10/19/09 20:54	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/19/09 20:54	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.6	U	ug/L	1	1.6	10	20	EPA 8270D	10/19/09 20:54	DFM	
4-Chloroaniline [106-47-8] ^	1.6	U	ug/L	1	1.6	10	20	EPA 8270D	10/19/09 20:54	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/19/09 20:54	DFM	
4-Nitroaniline [100-01-6] ^	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	10/19/09 20:54	DFM	
4-Nitrophenol [100-02-7] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270D	10/19/09 20:54	DFM	
5-Nitro-o-toluidine [99-55-8]	0.60	U	ug/L	1	0.60	10	10	EPA 8270D	10/19/09 20:54	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6]	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/19/09 20:54	DFM	
Acenaphthene [83-32-9] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/19/09 20:54	DFM	
Acenaphthylene [208-96-8] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/19/09 20:54	DFM	
Acetophenone [98-86-2]	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/19/09 20:54	DFM	
Benzyl alcohol [100-51-6] ^	2.0	U	ug/L	1	2.0	10	20	EPA 8270D	10/19/09 20:54	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/19/09 20:54	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/19/09 20:54	DFM	
Bis(2-chloroisopropyl)ether [39638-32-9] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270D	10/19/09 20:54	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	2.6	U	ug/L	1	2.6	5.0	15	EPA 8270D	10/19/09 20:54	DFM	
Butylbenzylphthalate [85-68-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/19/09 20:54	DFM	

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Description: 4103 MW-13
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C910811-02
Sampled: 10/14/09 10:10
Sampled By: Gary Simcox

Received: 10/15/09 13:00
Work Order: C910811

Semivolatile 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
Dibenzofuran [132-64-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/19/09 20:54	DFM	
Diethylphthalate [84-66-2] ^	0.61	U	ug/L	1	0.61	10	10	EPA 8270D	10/19/09 20:54	DFM	
Dimethylphthalate [131-11-3] ^	0.79	U	ug/L	1	0.79	10	10	EPA 8270D	10/19/09 20:54	DFM	
Di-n-butylphthalate [84-74-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/19/09 20:54	DFM	
Di-n-octylphthalate [117-84-0] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/19/09 20:54	DFM	
Ethyl methanesulfonate [62-50-0] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270D	10/19/09 20:54	DFM	
Fluorene [86-73-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/19/09 20:54	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/19/09 20:54	DFM	
Hexachloroethane [67-72-1] ^	0.97	U	ug/L	1	0.97	10	10	EPA 8270D	10/19/09 20:54	DFM	
Hexachloropropene [1888-71-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/19/09 20:54	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	10/19/09 20:54	DFM	
Isophorone [78-59-1] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	10/19/09 20:54	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/19/09 20:54	DFM	
Methapyrilene [91-80-5] ^	3.8	U	ug/L	1	3.8	10	100	EPA 8270D	10/19/09 20:54	DFM	
Methyl Methanesulfonate [66-27-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/19/09 20:54	DFM	
Nitrobenzene [98-95-3] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/19/09 20:54	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.9	U	ug/L	1	1.9	10	20	EPA 8270D	10/19/09 20:54	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/19/09 20:54	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/19/09 20:54	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270D	10/19/09 20:54	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/19/09 20:54	DFM	
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/19/09 20:54	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270D	10/19/09 20:54	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/19/09 20:54	DFM	
O,O,O-Triethyl phosphorothioate [126-68-1] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/19/09 20:54	DFM	
o-Toluidine [95-53-4] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	10/19/09 20:54	DFM	
Parathion [56-38-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/19/09 20:54	DFM	
p-Dimethylaminoazobenzene [60-11-7]	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/19/09 20:54	DFM	
Phenacetin [62-44-2] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	10/19/09 20:54	DFM	
Phenanthrene [85-01-8] ^	0.74	U	ug/L	1	0.74	10	10	EPA 8270D	10/19/09 20:54	DFM	
Phenol [108-95-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/19/09 20:54	DFM	
Pronamide [23950-58-5] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/19/09 20:54	DFM	
Safrole [94-59-7] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/19/09 20:54	DFM	
Thionazin [297-97-2] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	10/19/09 20:54	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*81*	*1*	*100*	*81 %*	*10-179*	*9J15012*	*EPA 8270D*	*10/19/09 20:54*	*DFM*	
2-Fluorobiphenyl	*40*	*1*	*50.0*	*79 %*	*10-149*	*9J15012*	*EPA 8270D*	*10/19/09 20:54*	*DFM*	
2-Fluorophenol	*56*	*1*	*100*	*56 %*	*10-110*	*9J15012*	*EPA 8270D*	*10/19/09 20:54*	*DFM*	
Nitrobenzene-d5	*38*	*1*	*50.0*	*76 %*	*10-149*	*9J15012*	*EPA 8270D*	*10/19/09 20:54*	*DFM*	
Phenol-d5	*45*	*1*	*100*	*45 %*	*10-88*	*9J15012*	*EPA 8270D*	*10/19/09 20:54*	*DFM*	
Terphenyl-d14	*43*	*1*	*50.0*	*85 %*	*10-188*	*9J15012*	*EPA 8270D*	*10/19/09 20:54*	*DFM*	

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Description: 4103 MW-13
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C910811-02
Sampled: 10/14/09 10:10
Sampled By: Gary Simcox

Received: 10/15/09 13:00
Work Order: C910811

Organochlorine Pesticides by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
4,4'-DDD [72-54-8] ^	0.024	U	ug/L	1	0.024	0.050	0.1	EPA 8081B	10/20/09 11:25	JHH	
4,4'-DDE [72-55-9] ^	0.023	U	ug/L	1	0.023	0.050	0.1	EPA 8081B	10/20/09 11:25	JHH	
4,4'-DDT [50-29-3] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	10/20/09 11:25	JHH	
Aldrin [309-00-2] ^	0.012	U	ug/L	1	0.012	0.050	0.05	EPA 8081B	10/20/09 11:25	JHH	
alpha-BHC [319-84-6] ^	0.024	U	ug/L	1	0.024	0.050	0.05	EPA 8081B	10/20/09 11:25	JHH	
beta-BHC [319-85-7] ^	0.028	U	ug/L	1	0.028	0.050	0.05	EPA 8081B	10/20/09 11:25	JHH	
Chlordane (tech) [12789-03-6] ^	0.20	U	ug/L	1	0.20	0.50	0.5	EPA 8081B	10/20/09 11:25	JHH	
Chlordane-alpha [5103-71-9] ^	0.025	U	ug/L	1	0.025	0.050	NE	EPA 8081B	10/20/09 11:25	JHH	
Chlordane-gamma [5103-74-2] ^	0.026	U	ug/L	1	0.026	0.050	NE	EPA 8081B	10/20/09 11:25	JHH	
delta-BHC [319-86-8] ^	0.013	U	ug/L	1	0.013	0.050	0.05	EPA 8081B	10/20/09 11:25	JHH	
Dieldrin [60-57-1] ^	0.0053	U	ug/L	1	0.0053	0.050	0.075	EPA 8081B	10/20/09 11:25	JHH	
Endosulfan I [959-98-8] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	10/20/09 11:25	JHH	
Endosulfan II [33213-65-9] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	10/20/09 11:25	JHH	
Endosulfan sulfate [1031-07-8] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	10/20/09 11:25	JHH	
Endrin [72-20-8] ^	0.0034	U	ug/L	1	0.0034	0.050	0.1	EPA 8081B	10/20/09 11:25	JHH	
Endrin aldehyde [7421-93-4] ^	0.037	U	ug/L	1	0.037	0.050	0.1	EPA 8081B	10/20/09 11:25	JHH	
gamma-BHC [58-89-9] ^	0.0027	U	ug/L	1	0.0027	0.050	0.05	EPA 8081B	10/20/09 11:25	JHH	
Heptachlor [76-44-8] ^	0.0023	U	ug/L	1	0.0023	0.050	0.05	EPA 8081B	10/20/09 11:25	JHH	
Heptachlor epoxide [1024-57-3] ^	0.0056	U	ug/L	1	0.0056	0.050	0.075	EPA 8081B	10/20/09 11:25	JHH	
Methoxychlor [72-43-5] ^	0.044	U	ug/L	1	0.044	0.050	1	EPA 8081B	10/20/09 11:25	JHH	
Toxaphene [8001-35-2] ^	0.22	U	ug/L	1	0.22	0.50	1.5	EPA 8081B	10/20/09 11:25	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.99*	*1*	*1.00*	*99 %*	*39-141*	*9J19005*	*EPA 8081B*	*10/20/09 11:25*	*JHH*	
Decachlorobiphenyl	*1.0*	*1*	*1.00*	*105 %*	*25-163*	*9J19005*	*EPA 8081B*	*10/20/09 11:25*	*JHH*	

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Description: 4103 MW-13
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C910811-02
Sampled: 10/14/09 10:10
Sampled By: Gary Simcox

Received: 10/15/09 13:00
Work Order: C910811

Polychlorinated Biphenyls by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
PCB-1016/1242 [12674-11-2/53469-21-9] ^	0.075	U	ug/L	1	0.075	0.50	2	EPA 8082A	10/20/09 11:25	JHH	
PCB-1221 [11104-28-2] ^	0.046	U	ug/L	1	0.046	0.50	NE	EPA 8082A	10/20/09 11:25	JHH	
PCB-1232 [11141-16-5] ^	0.028	U	ug/L	1	0.028	0.50	NE	EPA 8082A	10/20/09 11:25	JHH	
PCB-1248 [12672-29-6] ^	0.014	U	ug/L	1	0.014	0.50	NE	EPA 8082A	10/20/09 11:25	JHH	
PCB-1254 [11097-69-1] ^	0.015	U	ug/L	1	0.015	0.50	NE	EPA 8082A	10/20/09 11:25	JHH	
PCB-1260 [11096-82-5] ^	0.096	U	ug/L	1	0.096	0.50	NE	EPA 8082A	10/20/09 11:25	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.99*	*1*	*1.00*	*99 %*	*39-151*	*9J19005*	*EPA 8082A*	*10/20/09 11:25*	*JHH*	
Decachlorobiphenyl	*1.0*	*1*	*1.00*	*105 %*	*55-118*	*9J19005*	*EPA 8082A*	*10/20/09 11:25*	*JHH*	

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Description: 4103 MW-13
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C910811-02
Sampled: 10/14/09 10:10
Sampled By: Gary Simcox

Received: 10/15/09 13:00
Work Order: C910811

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.0540	U	ug/L	1	0.0540	0.200	0.2	EPA 7470A	10/16/09 16:00	NLH	

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Description: 4103 MW-13
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C910811-02
Sampled: 10/14/09 10:10
Sampled By: Gary Simcox

Received: 10/15/09 13:00
Work Order: C910811

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] ^	0.0730	U	ug/L	1	0.0730	2.00	6	EPA 6020A	10/21/09 12:26	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	10/28/09 12:49	JDH	
Barium [7440-39-3] ^	**119**		ug/L	1	1.00	10.0	100	EPA 6010C	10/28/09 12:49	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	10/28/09 12:49	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	10/28/09 12:49	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	10/28/09 12:49	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	10/28/09 12:49	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	10/28/09 12:49	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/28/09 12:49	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	10/28/09 12:49	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	10/28/09 12:49	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/28/09 12:49	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	10/21/09 12:26	VLO	
Tin [7440-31-5] ^	**4.36**	J	ug/L	1	2.10	10.0	100	EPA 6010C	10/28/09 12:49	JDH	
Vanadium [7440-62-2] ^	**3.92**	J	ug/L	1	1.40	10.0	25	EPA 6010C	10/28/09 12:49	JDH	
Zinc [7440-66-6] ^	**7.66**	J	ug/L	1	3.80	10.0	10	EPA 6010C	10/28/09 12:49	JDH	

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Description: 4103 MW-13
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C910811-02
Sampled: 10/14/09 10:10
Sampled By: Gary Simcox

Received: 10/15/09 13:00
Work Order: C910811

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Cyanide (total) [57-12-5] ^	0.0047	U	mg/L	1	0.0047	0.0050	10	EPA 335.4	10/22/09 10:57	PEV	
Sulfide [18496-25-8] ^	0.031	U	mg/L	1	0.031	0.10	1	SM18 4500-S D	10/19/09 16:50	GPW	

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Description: 4103 MW-13
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C910811-02
Sampled: 10/14/09 10:10
Sampled By: Gary Simcox

Received: 10/15/09 13:00
Work Order: C910811

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
2,4,5-T [93-76-5] ^	0.053	U	ug/L	1	0.053	0.50	2	EPA 8151A	10/23/09 17:20	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.056	U	ug/L	1	0.056	0.50	2	EPA 8151A	10/23/09 17:20	RGG	
2,4-D [94-75-7] ^	0.091	U	ug/L	1	0.091	0.50	2	EPA 8151A	10/23/09 17:20	RGG	
Dinoseb [88-85-7] ^	0.28	U	ug/L	1	0.28	0.50	1	EPA 8151A	10/23/09 17:20	RGG	
Pentachlorophenol [87-86-5] ^	0.043	U	ug/L	1	0.043	0.50	25	EPA 8151A	10/23/09 17:20	RGG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*1.8*	*1*	*2.00*	*90 %*	*68-139*	*9119002*	*EPA 8151A*	*10/23/09 17:20*	*RGG*	

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

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Description: 4103 II-5
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C911965-01
Sampled: 10/13/09 18:40
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C911965

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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/17/09 18:25	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/17/09 18:25	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	10/17/09 18:25	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/17/09 18:25	JKG	
1,1-Dichloroethane [75-34-3] ^	**0.62**	J	ug/L	1	0.33	1.0	5	EPA 8260B	10/17/09 18:25	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	10/17/09 18:25	JKG	
1,1-Dichloropropene [563-58-6] ^	0.32	U	ug/L	1	0.32	1.0	5	EPA 8260B	10/17/09 18:25	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	10/17/09 18:25	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.36	U	ug/L	1	0.36	1.0	10	EPA 8260B	10/17/09 18:25	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/17/09 18:25	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	10/17/09 18:25	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	10/17/09 18:25	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	10/17/09 18:25	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/17/09 18:25	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.30	U	ug/L	1	0.30	1.0	5	EPA 8260B	10/17/09 18:25	JKG	
1,3-Dichloropropane [142-28-9] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/17/09 18:25	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 18:25	JKG	
2,2-Dichloropropane [594-20-7] ^	0.55	U	ug/L	1	0.55	1.0	15	EPA 8260B	10/17/09 18:25	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	10/17/09 18:25	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	10/17/09 18:25	JKG	
3-Chloropropene [107-05-1] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	10/17/09 18:25	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/17/09 18:25	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/17/09 18:25	JKG	
Acetonitrile [75-05-8] ^	2.8	U	ug/L	1	2.8	10	55	EPA 8260B	10/17/09 18:25	JKG	
Acrolein [107-02-8] ^	3.0	U	ug/L	1	3.0	10	53	EPA 8260B	10/17/09 18:25	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	10/17/09 18:25	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/17/09 18:25	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	10/17/09 18:25	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/17/09 18:25	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	10/17/09 18:25	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	10/17/09 18:25	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	10/17/09 18:25	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 18:25	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/17/09 18:25	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	10/17/09 18:25	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	10/17/09 18:25	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	10/17/09 18:25	JKG	
Chloroprene [126-99-8] ^	0.24	U	ug/L	1	0.24	1.0	20	EPA 8260B	10/17/09 18:25	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	10/17/09 18:25	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/17/09 18:25	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	10/17/09 18:25	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	10/17/09 18:25	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.38	U	ug/L	1	0.38	1.0	5	EPA 8260B	10/17/09 18:25	JKG	
Ethyl Methacrylate [97-63-2] ^	0.32	U	ug/L	1	0.32	1.0	10	EPA 8260B	10/17/09 18:25	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/17/09 18:25	JKG	
Hexachlorobutadiene [87-68-3] ^	0.35	U	ug/L	1	0.35	1.0	10	EPA 8260B	10/17/09 18:25	JKG	

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Description: 4103 II-5
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C911965-01
Sampled: 10/13/09 18:40
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C911965

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
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	10/17/09 18:25	JKG	
Isobutyl alcohol [78-83-1] ^	14	U	ug/L	1	14	50	100	EPA 8260B	10/17/09 18:25	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.48	U	ug/L	1	0.48	2.0	NE	EPA 8260B	10/17/09 18:25	JKG	
Methacrylonitrile [126-98-7] ^	2.8	U	ug/L	1	2.8	10	100	EPA 8260B	10/17/09 18:25	JKG	
Methyl Methacrylate [80-62-6] ^	0.53	U	ug/L	1	0.53	1.0	30	EPA 8260B	10/17/09 18:25	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	10/17/09 18:25	JKG	
Naphthalene [91-20-3] ^	0.39	U	ug/L	1	0.39	1.0	10	EPA 8260B	10/17/09 18:25	JKG	
o-Xylene [95-47-6] ^	0.27	U	ug/L	1	0.27	1.0	NE	EPA 8260B	10/17/09 18:25	JKG	
Propionitrile [107-12-0] ^	4.8	U	ug/L	1	4.8	10	150	EPA 8260B	10/17/09 18:25	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	10/17/09 18:25	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/17/09 18:25	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/17/09 18:25	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	10/17/09 18:25	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 18:25	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	10/17/09 18:25	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 18:25	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/17/09 18:25	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	10/17/09 18:25	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	10/17/09 18:25	JKG	
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/17/09 18:25	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*40*	*1*	*50.0*	*79 %*	*51-122*	*9116018*	*EPA 8260B*	*10/17/09 18:25*	*JKG*	
Dibromofluoromethane	*37*	*1*	*50.0*	*74 %*	*68-117*	*9116018*	*EPA 8260B*	*10/17/09 18:25*	*JKG*	
Toluene-d8	*38*	*1*	*50.0*	*77 %*	*69-110*	*9116018*	*EPA 8260B*	*10/17/09 18:25*	*JKG*	

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Description: 4103 II-5
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C911965-01
Sampled: 10/13/09 18:40
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C911965

Semivolatile 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
1,2,4,5-Tetrachlorobenzene [95-94-3]	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	10/20/09 00:37	DFM	
1,3,5-Trinitrobenzene [99-35-4]	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/20/09 00:37	DFM	
1,3-Dinitrobenzene [99-65-0]	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	10/20/09 00:37	DFM	
1,4-Naphthoquinone [130-15-4]	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	10/20/09 00:37	DFM	
1,4-Phenylenediamine [106-50-3]	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	10/20/09 00:37	DFM	
1-Naphthylamine [134-32-7]	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	10/20/09 00:37	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/20/09 00:37	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/20/09 00:37	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	10/20/09 00:37	DFM	
2,4-Dichlorophenol [120-83-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/20/09 00:37	DFM	
2,4-Dimethylphenol [105-67-9] ^	2.6	U	ug/L	1	2.6	10	10	EPA 8270D	10/20/09 00:37	DFM	
2,4-Dinitrophenol [51-28-5] ^	2.6	U	ug/L	1	2.6	10	50	EPA 8270D	10/20/09 00:37	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	10/20/09 00:37	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/20/09 00:37	DFM	
2-Acetylaminofluorene [53-96-3]	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	10/20/09 00:37	DFM	
2-Chloronaphthalene [91-58-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/20/09 00:37	DFM	
2-Chlorophenol [95-57-8] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/20/09 00:37	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	1.9	U	ug/L	1	1.9	10	50	EPA 8270D	10/20/09 00:37	DFM	
2-Methylnaphthalene [91-57-6] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/20/09 00:37	DFM	
2-Methylphenol [95-48-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/20/09 00:37	DFM	
2-Naphthylamine [91-59-8]	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	10/20/09 00:37	DFM	
2-Nitroaniline [88-74-4] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270D	10/20/09 00:37	DFM	
2-Nitrophenol [88-75-5] ^	2.3	U	ug/L	1	2.3	10	10	EPA 8270D	10/20/09 00:37	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.8	U	ug/L	1	1.8	20	10	EPA 8270D	10/20/09 00:37	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	1.7	U	ug/L	1	1.7	10	20	EPA 8270D	10/20/09 00:37	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	10/20/09 00:37	DFM	
3-Methylcholanthrene [56-49-5]	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/20/09 00:37	DFM	
3-Nitroaniline [99-09-2] ^	1.6	U	ug/L	1	1.6	10	50	EPA 8270D	10/20/09 00:37	DFM	
4-Aminobiphenyl [92-67-1]	3.1	U	ug/L	1	3.1	10	20	EPA 8270D	10/20/09 00:37	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/20/09 00:37	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.6	U	ug/L	1	1.6	10	20	EPA 8270D	10/20/09 00:37	DFM	
4-Chloroaniline [106-47-8] ^	1.6	U	ug/L	1	1.6	10	20	EPA 8270D	10/20/09 00:37	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/20/09 00:37	DFM	
4-Nitroaniline [100-01-6] ^	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	10/20/09 00:37	DFM	
4-Nitrophenol [100-02-7] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270D	10/20/09 00:37	DFM	
5-Nitro-o-toluidine [99-55-8]	0.60	U	ug/L	1	0.60	10	10	EPA 8270D	10/20/09 00:37	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6]	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/20/09 00:37	DFM	
Acenaphthene [83-32-9] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/20/09 00:37	DFM	
Acenaphthylene [208-96-8] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/20/09 00:37	DFM	
Acetophenone [98-86-2]	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/20/09 00:37	DFM	
Benzyl alcohol [100-51-6] ^	2.0	U	ug/L	1	2.0	10	20	EPA 8270D	10/20/09 00:37	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/20/09 00:37	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/20/09 00:37	DFM	
Bis(2-chloroisopropyl)ether [39638-32-9] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270D	10/20/09 00:37	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	2.6	U	ug/L	1	2.6	5.0	15	EPA 8270D	10/20/09 00:37	DFM	
Butylbenzylphthalate [85-68-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/20/09 00:37	DFM	

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Description: 4103 II-5
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C911965-01
Sampled: 10/13/09 18:40
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C911965

Semivolatile 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
Dibenzofuran [132-64-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/20/09 00:37	DFM	
Diethylphthalate [84-66-2] ^	0.61	U	ug/L	1	0.61	10	10	EPA 8270D	10/20/09 00:37	DFM	
Dimethylphthalate [131-11-3] ^	0.79	U	ug/L	1	0.79	10	10	EPA 8270D	10/20/09 00:37	DFM	
Di-n-butylphthalate [84-74-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/20/09 00:37	DFM	
Di-n-octylphthalate [117-84-0] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/20/09 00:37	DFM	
Ethyl methanesulfonate [62-50-0] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270D	10/20/09 00:37	DFM	
Fluorene [86-73-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/20/09 00:37	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/20/09 00:37	DFM	
Hexachloroethane [67-72-1] ^	0.97	U	ug/L	1	0.97	10	10	EPA 8270D	10/20/09 00:37	DFM	
Hexachloropropene [1888-71-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/20/09 00:37	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	10/20/09 00:37	DFM	
Isophorone [78-59-1] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	10/20/09 00:37	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/20/09 00:37	DFM	
Methapyrilene [91-80-5] ^	3.8	U	ug/L	1	3.8	10	100	EPA 8270D	10/20/09 00:37	DFM	
Methyl Methanesulfonate [66-27-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/20/09 00:37	DFM	
Nitrobenzene [98-95-3] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/20/09 00:37	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.9	U	ug/L	1	1.9	10	20	EPA 8270D	10/20/09 00:37	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/20/09 00:37	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/20/09 00:37	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270D	10/20/09 00:37	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/20/09 00:37	DFM	
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/20/09 00:37	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270D	10/20/09 00:37	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/20/09 00:37	DFM	
O,O,O-Triethyl phosphorothioate [126-68-1] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/20/09 00:37	DFM	
o-Toluidine [95-53-4] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	10/20/09 00:37	DFM	
Parathion [56-38-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/20/09 00:37	DFM	
p-Dimethylaminoazobenzene [60-11-7]	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/20/09 00:37	DFM	
Phenacetin [62-44-2] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	10/20/09 00:37	DFM	
Phenanthrene [85-01-8] ^	0.74	U	ug/L	1	0.74	10	10	EPA 8270D	10/20/09 00:37	DFM	
Phenol [108-95-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/20/09 00:37	DFM	
Pronamide [23950-58-5] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/20/09 00:37	DFM	
Safrole [94-59-7] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/20/09 00:37	DFM	
Thionazin [297-97-2] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	10/20/09 00:37	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*91*	*1*	*100*	*91 %*	*10-179*	*9J15012*	*EPA 8270D*	*10/20/09 00:37*	*DFM*	
2-Fluorobiphenyl	*41*	*1*	*50.0*	*83 %*	*10-149*	*9J15012*	*EPA 8270D*	*10/20/09 00:37*	*DFM*	
2-Fluorophenol	*60*	*1*	*100*	*60 %*	*10-110*	*9J15012*	*EPA 8270D*	*10/20/09 00:37*	*DFM*	
Nitrobenzene-d5	*42*	*1*	*50.0*	*83 %*	*10-149*	*9J15012*	*EPA 8270D*	*10/20/09 00:37*	*DFM*	
Phenol-d5	*47*	*1*	*100*	*47 %*	*10-88*	*9J15012*	*EPA 8270D*	*10/20/09 00:37*	*DFM*	
Terphenyl-d14	*45*	*1*	*50.0*	*89 %*	*10-188*	*9J15012*	*EPA 8270D*	*10/20/09 00:37*	*DFM*	

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Description: 4103 II-5
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C911965-01
Sampled: 10/13/09 18:40
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C911965

Organochlorine Pesticides by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
4,4'-DDD [72-54-8] ^	0.024	U	ug/L	1	0.024	0.050	0.1	EPA 8081B	10/20/09 12:44	JHH	
4,4'-DDE [72-55-9] ^	0.023	U	ug/L	1	0.023	0.050	0.1	EPA 8081B	10/20/09 12:44	JHH	
4,4'-DDT [50-29-3] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	10/20/09 12:44	JHH	
Aldrin [309-00-2] ^	0.012	U	ug/L	1	0.012	0.050	0.05	EPA 8081B	10/20/09 12:44	JHH	
alpha-BHC [319-84-6] ^	0.024	U	ug/L	1	0.024	0.050	0.05	EPA 8081B	10/20/09 12:44	JHH	
beta-BHC [319-85-7] ^	0.028	U	ug/L	1	0.028	0.050	0.05	EPA 8081B	10/20/09 12:44	JHH	
Chlordane (tech) [12789-03-6] ^	0.20	U	ug/L	1	0.20	0.50	0.5	EPA 8081B	10/20/09 12:44	JHH	
Chlordane-alpha [5103-71-9] ^	0.025	U	ug/L	1	0.025	0.050	NE	EPA 8081B	10/20/09 12:44	JHH	
Chlordane-gamma [5103-74-2] ^	0.026	U	ug/L	1	0.026	0.050	NE	EPA 8081B	10/20/09 12:44	JHH	
delta-BHC [319-86-8] ^	0.013	U	ug/L	1	0.013	0.050	0.05	EPA 8081B	10/20/09 12:44	JHH	
Dieldrin [60-57-1] ^	0.0053	U	ug/L	1	0.0053	0.050	0.075	EPA 8081B	10/20/09 12:44	JHH	
Endosulfan I [959-98-8] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	10/20/09 12:44	JHH	
Endosulfan II [33213-65-9] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	10/20/09 12:44	JHH	
Endosulfan sulfate [1031-07-8] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	10/20/09 12:44	JHH	
Endrin [72-20-8] ^	0.0034	U	ug/L	1	0.0034	0.050	0.1	EPA 8081B	10/20/09 12:44	JHH	
Endrin aldehyde [7421-93-4] ^	0.037	U	ug/L	1	0.037	0.050	0.1	EPA 8081B	10/20/09 12:44	JHH	
gamma-BHC [58-89-9] ^	0.0027	U	ug/L	1	0.0027	0.050	0.05	EPA 8081B	10/20/09 12:44	JHH	
Heptachlor [76-44-8] ^	0.0023	U	ug/L	1	0.0023	0.050	0.05	EPA 8081B	10/20/09 12:44	JHH	
Heptachlor epoxide [1024-57-3] ^	0.0056	U	ug/L	1	0.0056	0.050	0.075	EPA 8081B	10/20/09 12:44	JHH	
Methoxychlor [72-43-5] ^	0.044	U	ug/L	1	0.044	0.050	1	EPA 8081B	10/20/09 12:44	JHH	
Toxaphene [8001-35-2] ^	0.22	U	ug/L	1	0.22	0.50	1.5	EPA 8081B	10/20/09 12:44	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*1.0*	*1*	*1.00*	*100 %*	*39-141*	*9J19005*	*EPA 8081B*	*10/20/09 12:44*	*JHH*	
Decachlorobiphenyl	*1.2*	*1*	*1.00*	*119 %*	*25-163*	*9J19005*	*EPA 8081B*	*10/20/09 12:44*	*JHH*	

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Description: 4103 II-5
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C911965-01
Sampled: 10/13/09 18:40
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C911965

Polychlorinated Biphenyls by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
PCB-1016/1242 [12674-11-2/53469-21-9] ^	0.075	U	ug/L	1	0.075	0.50	2	EPA 8082A	10/20/09 12:44	JHH	
PCB-1221 [11104-28-2] ^	0.046	U	ug/L	1	0.046	0.50	NE	EPA 8082A	10/20/09 12:44	JHH	
PCB-1232 [11141-16-5] ^	0.028	U	ug/L	1	0.028	0.50	NE	EPA 8082A	10/20/09 12:44	JHH	
PCB-1248 [12672-29-6] ^	0.014	U	ug/L	1	0.014	0.50	NE	EPA 8082A	10/20/09 12:44	JHH	
PCB-1254 [11097-69-1] ^	0.015	U	ug/L	1	0.015	0.50	NE	EPA 8082A	10/20/09 12:44	JHH	
PCB-1260 [11096-82-5] ^	0.096	U	ug/L	1	0.096	0.50	NE	EPA 8082A	10/20/09 12:44	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*1.0*	*1*	*1.00*	*100 %*	*39-151*	*9J19005*	*EPA 8082A*	*10/20/09 12:44*	*JHH*	
Decachlorobiphenyl	*1.2*	*1*	*1.00*	*119 %*	*55-118*	*9J19005*	*EPA 8082A*	*10/20/09 12:44*	*JHH*	*QS-03*

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Description:	4103 II-5	**Lab Sample ID:**	C911965-01	**Received:**	10/14/09 13:00
Matrix:	Water	**Sampled:**	10/13/09 18:40	**Work Order:**	C911965
Project:	White Street LF App II (Phase II)	**Sampled By:**	Gary Simcox		

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.0540	U	ug/L	1	0.0540	0.200	0.2	EPA 7470A	10/15/09 16:43	NLH	

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Description: 4103 II-5
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C911965-01
Sampled: 10/13/09 18:40
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C911965

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] ^	0.0730	U	ug/L	1	0.0730	2.00	6	EPA 6020A	10/21/09 12:43	VLO	
Arsenic [7440-38-2] ^	**3.40**	J	ug/L	1	2.80	10.0	10	EPA 6010C	10/27/09 11:20	JDH	
Barium [7440-39-3] ^	**124**		ug/L	1	1.00	10.0	100	EPA 6010C	10/27/09 11:20	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	10/27/09 11:20	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	10/27/09 11:20	JDH	
Chromium [7440-47-3] ^	**1.51**	J	ug/L	1	1.00	10.0	10	EPA 6010C	10/27/09 11:20	JDH	
Cobalt [7440-48-4] ^	**20.1**		ug/L	1	1.10	10.0	10	EPA 6010C	10/27/09 11:20	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	10/27/09 11:20	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/27/09 11:20	JDH	
Nickel [7440-02-0] ^	**3.42**	J	ug/L	1	1.80	10.0	50	EPA 6010C	10/27/09 11:20	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	10/27/09 11:20	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/27/09 11:20	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	10/21/09 12:43	VLO	
Tin [7440-31-5] ^	**5.58**	J	ug/L	1	2.10	10.0	100	EPA 6010C	10/27/09 11:20	JDH	
Vanadium [7440-62-2] ^	**1.65**	J	ug/L	1	1.40	10.0	25	EPA 6010C	10/27/09 11:20	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	10/27/09 11:20	JDH	

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Description: 4103 II-5
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C911965-01
Sampled: 10/13/09 18:40
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C911965

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Cyanide (total) [57-12-5] ^	0.0047	U	mg/L	1	0.0047	0.0050	10	EPA 335.4	10/21/09 08:59	PEV	
Sulfide [18496-25-8] ^	0.031	U	mg/L	1	0.031	0.10	1	SM18 4500-S D	10/19/09 16:50	GPW	

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Description: 4103 II-5
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C911965-01
Sampled: 10/13/09 18:40
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C911965

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
2,4,5-T [93-76-5] ^	0.053	U	ug/L	1	0.053	0.50	2	EPA 8151A	10/23/09 12:55	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	**0.085**	J	ug/L	1	0.056	0.50	2	EPA 8151A	10/23/09 12:55	RGG	
2,4-D [94-75-7] ^	0.091	U	ug/L	1	0.091	0.50	2	EPA 8151A	10/23/09 12:55	RGG	
Dinoseb [88-85-7] ^	0.28	U	ug/L	1	0.28	0.50	1	EPA 8151A	10/23/09 12:55	RGG	
Pentachlorophenol [87-86-5] ^	0.043	U	ug/L	1	0.043	0.50	25	EPA 8151A	10/23/09 12:55	RGG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*2.1*	*1*	*2.00*	*104 %*	*68-139*	*9119002*	*EPA 8151A*	*10/23/09 12:55*	*RGG*	

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

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Description: 4103 II-6
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C911965-02
Sampled: 10/13/09 14:50
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C911965

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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/17/09 18:56	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/17/09 18:56	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	10/17/09 18:56	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/17/09 18:56	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	10/17/09 18:56	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	10/17/09 18:56	JKG	
1,1-Dichloropropene [563-58-6] ^	0.32	U	ug/L	1	0.32	1.0	5	EPA 8260B	10/17/09 18:56	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	10/17/09 18:56	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.36	U	ug/L	1	0.36	1.0	10	EPA 8260B	10/17/09 18:56	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/17/09 18:56	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	10/17/09 18:56	JKG	
1,2-Dichlorobenzene [95-50-1] ^	**0.47**	J	ug/L	1	0.27	1.0	5	EPA 8260B	10/17/09 18:56	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	10/17/09 18:56	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/17/09 18:56	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.30	U	ug/L	1	0.30	1.0	5	EPA 8260B	10/17/09 18:56	JKG	
1,3-Dichloropropane [142-28-9] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/17/09 18:56	JKG	
1,4-Dichlorobenzene [106-46-7] ^	**3.8**		ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 18:56	JKG	
2,2-Dichloropropane [594-20-7] ^	0.55	U	ug/L	1	0.55	1.0	15	EPA 8260B	10/17/09 18:56	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	10/17/09 18:56	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	10/17/09 18:56	JKG	
3-Chloropropene [107-05-1] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	10/17/09 18:56	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/17/09 18:56	JKG	
Acetone [67-64-1] ^	**20**	J	ug/L	1	1.5	5.0	100	EPA 8260B	10/17/09 18:56	JKG	
Acetonitrile [75-05-8] ^	2.8	U	ug/L	1	2.8	10	55	EPA 8260B	10/17/09 18:56	JKG	
Acrolein [107-02-8] ^	3.0	U	ug/L	1	3.0	10	53	EPA 8260B	10/17/09 18:56	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	10/17/09 18:56	JKG	
Benzene [71-43-2] ^	**1.7**		ug/L	1	0.20	1.0	1	EPA 8260B	10/17/09 18:56	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	10/17/09 18:56	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/17/09 18:56	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	10/17/09 18:56	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	10/17/09 18:56	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	10/17/09 18:56	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 18:56	JKG	
Chlorobenzene [108-90-7] ^	**5.0**		ug/L	1	0.27	1.0	3	EPA 8260B	10/17/09 18:56	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	10/17/09 18:56	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	10/17/09 18:56	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	10/17/09 18:56	JKG	
Chloroprene [126-99-8] ^	0.24	U	ug/L	1	0.24	1.0	20	EPA 8260B	10/17/09 18:56	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	10/17/09 18:56	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/17/09 18:56	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	10/17/09 18:56	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	10/17/09 18:56	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.38	U	ug/L	1	0.38	1.0	5	EPA 8260B	10/17/09 18:56	JKG	
Ethyl Methacrylate [97-63-2] ^	0.32	U	ug/L	1	0.32	1.0	10	EPA 8260B	10/17/09 18:56	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/17/09 18:56	JKG	
Hexachlorobutadiene [87-68-3] ^	0.35	U	ug/L	1	0.35	1.0	10	EPA 8260B	10/17/09 18:56	JKG	

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Description: 4103 II-6
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C911965-02
Sampled: 10/13/09 14:50
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C911965

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
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	10/17/09 18:56	JKG	
Isobutyl alcohol [78-83-1] ^	14	U	ug/L	1	14	50	100	EPA 8260B	10/17/09 18:56	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	**1.8**	J	ug/L	1	0.48	2.0	NE	EPA 8260B	10/17/09 18:56	JKG	
Methacrylonitrile [126-98-7] ^	2.8	U	ug/L	1	2.8	10	100	EPA 8260B	10/17/09 18:56	JKG	
Methyl Methacrylate [80-62-6] ^	0.53	U	ug/L	1	0.53	1.0	30	EPA 8260B	10/17/09 18:56	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	10/17/09 18:56	JKG	
Naphthalene [91-20-3] ^	**3.9**	J	ug/L	1	0.39	1.0	10	EPA 8260B	10/17/09 18:56	JKG	
o-Xylene [95-47-6] ^	**1.8**		ug/L	1	0.27	1.0	NE	EPA 8260B	10/17/09 18:56	JKG	
Propionitrile [107-12-0] ^	4.8	U	ug/L	1	4.8	10	150	EPA 8260B	10/17/09 18:56	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	10/17/09 18:56	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/17/09 18:56	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/17/09 18:56	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	10/17/09 18:56	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 18:56	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	10/17/09 18:56	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 18:56	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/17/09 18:56	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	10/17/09 18:56	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	10/17/09 18:56	JKG	
Xylenes (Total) [1330-20-7] ^	**3.6**	J	ug/L	1	0.40	1.0	5	EPA 8260B	10/17/09 18:56	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*40*	*1*	*50.0*	*80 %*	*51-122*	*9116018*	*EPA 8260B*	*10/17/09 18:56*	*JKG*	
Dibromofluoromethane	*37*	*1*	*50.0*	*74 %*	*68-117*	*9116018*	*EPA 8260B*	*10/17/09 18:56*	*JKG*	
Toluene-d8	*38*	*1*	*50.0*	*76 %*	*69-110*	*9116018*	*EPA 8260B*	*10/17/09 18:56*	*JKG*	

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Description: 4103 II-6
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C911965-02
Sampled: 10/13/09 14:50
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C911965

Semivolatile 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
1,2,4,5-Tetrachlorobenzene [95-94-3]	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	10/20/09 01:04	DFM	
1,3,5-Trinitrobenzene [99-35-4]	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/20/09 01:04	DFM	
1,3-Dinitrobenzene [99-65-0]	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	10/20/09 01:04	DFM	
1,4-Naphthoquinone [130-15-4]	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	10/20/09 01:04	DFM	
1,4-Phenylenediamine [106-50-3]	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	10/20/09 01:04	DFM	
1-Naphthylamine [134-32-7]	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	10/20/09 01:04	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/20/09 01:04	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/20/09 01:04	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	10/20/09 01:04	DFM	
2,4-Dichlorophenol [120-83-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/20/09 01:04	DFM	
2,4-Dimethylphenol [105-67-9] ^	2.6	U	ug/L	1	2.6	10	10	EPA 8270D	10/20/09 01:04	DFM	
2,4-Dinitrophenol [51-28-5] ^	2.6	U	ug/L	1	2.6	10	50	EPA 8270D	10/20/09 01:04	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	10/20/09 01:04	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/20/09 01:04	DFM	
2-Acetylaminofluorene [53-96-3]	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	10/20/09 01:04	DFM	
2-Chloronaphthalene [91-58-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/20/09 01:04	DFM	
2-Chlorophenol [95-57-8] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/20/09 01:04	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	1.9	U	ug/L	1	1.9	10	50	EPA 8270D	10/20/09 01:04	DFM	
2-Methylnaphthalene [91-57-6] ^	**1.6**	J	ug/L	1	1.3	10	10	EPA 8270D	10/20/09 01:04	DFM	
2-Methylphenol [95-48-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/20/09 01:04	DFM	
2-Naphthylamine [91-59-8]	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	10/20/09 01:04	DFM	
2-Nitroaniline [88-74-4] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270D	10/20/09 01:04	DFM	
2-Nitrophenol [88-75-5] ^	2.3	U	ug/L	1	2.3	10	10	EPA 8270D	10/20/09 01:04	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.8	U	ug/L	1	1.8	20	10	EPA 8270D	10/20/09 01:04	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	1.7	U	ug/L	1	1.7	10	20	EPA 8270D	10/20/09 01:04	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	10/20/09 01:04	DFM	
3-Methylcholanthrene [56-49-5]	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/20/09 01:04	DFM	
3-Nitroaniline [99-09-2] ^	1.6	U	ug/L	1	1.6	10	50	EPA 8270D	10/20/09 01:04	DFM	
4-Aminobiphenyl [92-67-1]	3.1	U	ug/L	1	3.1	10	20	EPA 8270D	10/20/09 01:04	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/20/09 01:04	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.6	U	ug/L	1	1.6	10	20	EPA 8270D	10/20/09 01:04	DFM	
4-Chloroaniline [106-47-8] ^	1.6	U	ug/L	1	1.6	10	20	EPA 8270D	10/20/09 01:04	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/20/09 01:04	DFM	
4-Nitroaniline [100-01-6] ^	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	10/20/09 01:04	DFM	
4-Nitrophenol [100-02-7] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270D	10/20/09 01:04	DFM	
5-Nitro-o-toluidine [99-55-8]	0.60	U	ug/L	1	0.60	10	10	EPA 8270D	10/20/09 01:04	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6]	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/20/09 01:04	DFM	
Acenaphthene [83-32-9] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/20/09 01:04	DFM	
Acenaphthylene [208-96-8] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/20/09 01:04	DFM	
Acetophenone [98-86-2]	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/20/09 01:04	DFM	
Benzyl alcohol [100-51-6] ^	2.0	U	ug/L	1	2.0	10	20	EPA 8270D	10/20/09 01:04	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/20/09 01:04	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/20/09 01:04	DFM	
Bis(2-chloroisopropyl)ether [39638-32-9] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270D	10/20/09 01:04	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	2.6	U	ug/L	1	2.6	5.0	15	EPA 8270D	10/20/09 01:04	DFM	
Butylbenzylphthalate [85-68-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/20/09 01:04	DFM	

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Description: 4103 II-6
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C911965-02
Sampled: 10/13/09 14:50
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C911965

Semivolatile 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
Dibenzofuran [132-64-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/20/09 01:04	DFM	
Diethylphthalate [84-66-2] ^	**2.5**	J	ug/L	1	0.61	10	10	EPA 8270D	10/20/09 01:04	DFM	
Dimethylphthalate [131-11-3] ^	0.79	U	ug/L	1	0.79	10	10	EPA 8270D	10/20/09 01:04	DFM	
Di-n-butylphthalate [84-74-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/20/09 01:04	DFM	
Di-n-octylphthalate [117-84-0] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/20/09 01:04	DFM	
Ethyl methanesulfonate [62-50-0] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270D	10/20/09 01:04	DFM	
Fluorene [86-73-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/20/09 01:04	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/20/09 01:04	DFM	
Hexachloroethane [67-72-1] ^	0.97	U	ug/L	1	0.97	10	10	EPA 8270D	10/20/09 01:04	DFM	
Hexachloropropene [1888-71-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/20/09 01:04	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	10/20/09 01:04	DFM	
Isophorone [78-59-1] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	10/20/09 01:04	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/20/09 01:04	DFM	
Methapyrilene [91-80-5] ^	3.8	U	ug/L	1	3.8	10	100	EPA 8270D	10/20/09 01:04	DFM	
Methyl Methanesulfonate [66-27-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/20/09 01:04	DFM	
Nitrobenzene [98-95-3] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/20/09 01:04	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.9	U	ug/L	1	1.9	10	20	EPA 8270D	10/20/09 01:04	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/20/09 01:04	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/20/09 01:04	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270D	10/20/09 01:04	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/20/09 01:04	DFM	
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/20/09 01:04	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270D	10/20/09 01:04	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/20/09 01:04	DFM	
O,O,O-Triethyl phosphorothioate [126-68-1] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/20/09 01:04	DFM	
o-Toluidine [95-53-4] ^	**2.5**	J	ug/L	1	1.5	10	10	EPA 8270D	10/20/09 01:04	DFM	
Parathion [56-38-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/20/09 01:04	DFM	
p-Dimethylaminoazobenzene [60-11-7]	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/20/09 01:04	DFM	
Phenacetin [62-44-2] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	10/20/09 01:04	DFM	
Phenanthrene [85-01-8] ^	0.74	U	ug/L	1	0.74	10	10	EPA 8270D	10/20/09 01:04	DFM	
Phenol [108-95-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/20/09 01:04	DFM	
Pronamide [23950-58-5] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/20/09 01:04	DFM	
Safrole [94-59-7] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/20/09 01:04	DFM	
Thionazin [297-97-2] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	10/20/09 01:04	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*73*	*1*	*100*	*73 %*	*10-179*	*9J15012*	*EPA 8270D*	*10/20/09 01:04*	*DFM*	
2-Fluorobiphenyl	*40*	*1*	*50.0*	*80 %*	*10-149*	*9J15012*	*EPA 8270D*	*10/20/09 01:04*	*DFM*	
2-Fluorophenol	*61*	*1*	*100*	*61 %*	*10-110*	*9J15012*	*EPA 8270D*	*10/20/09 01:04*	*DFM*	
Nitrobenzene-d5	*41*	*1*	*50.0*	*82 %*	*10-149*	*9J15012*	*EPA 8270D*	*10/20/09 01:04*	*DFM*	
Phenol-d5	*51*	*1*	*100*	*51 %*	*10-88*	*9J15012*	*EPA 8270D*	*10/20/09 01:04*	*DFM*	
Terphenyl-d14	*38*	*1*	*50.0*	*75 %*	*10-188*	*9J15012*	*EPA 8270D*	*10/20/09 01:04*	*DFM*	

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Description: 4103 II-6
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C911965-02
Sampled: 10/13/09 14:50
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C911965

Organochlorine Pesticides by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
4,4'-DDD [72-54-8] ^	0.024	U	ug/L	1	0.024	0.050	0.1	EPA 8081B	10/20/09 12:57	JHH	
4,4'-DDE [72-55-9] ^	0.023	U	ug/L	1	0.023	0.050	0.1	EPA 8081B	10/20/09 12:57	JHH	
4,4'-DDT [50-29-3] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	10/20/09 12:57	JHH	
Aldrin [309-00-2] ^	0.012	U	ug/L	1	0.012	0.050	0.05	EPA 8081B	10/20/09 12:57	JHH	
alpha-BHC [319-84-6] ^	0.024	U	ug/L	1	0.024	0.050	0.05	EPA 8081B	10/20/09 12:57	JHH	
beta-BHC [319-85-7] ^	0.028	U	ug/L	1	0.028	0.050	0.05	EPA 8081B	10/20/09 12:57	JHH	
Chlordane (tech) [12789-03-6] ^	0.20	U	ug/L	1	0.20	0.50	0.5	EPA 8081B	10/20/09 12:57	JHH	
Chlordane-alpha [5103-71-9] ^	0.025	U	ug/L	1	0.025	0.050	NE	EPA 8081B	10/20/09 12:57	JHH	
Chlordane-gamma [5103-74-2] ^	0.026	U	ug/L	1	0.026	0.050	NE	EPA 8081B	10/20/09 12:57	JHH	
delta-BHC [319-86-8] ^	0.013	U	ug/L	1	0.013	0.050	0.05	EPA 8081B	10/20/09 12:57	JHH	
Dieldrin [60-57-1] ^	0.0053	U	ug/L	1	0.0053	0.050	0.075	EPA 8081B	10/20/09 12:57	JHH	
Endosulfan I [959-98-8] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	10/20/09 12:57	JHH	
Endosulfan II [33213-65-9] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	10/20/09 12:57	JHH	
Endosulfan sulfate [1031-07-8] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	10/20/09 12:57	JHH	
Endrin [72-20-8] ^	0.0034	U	ug/L	1	0.0034	0.050	0.1	EPA 8081B	10/20/09 12:57	JHH	
Endrin aldehyde [7421-93-4] ^	0.037	U	ug/L	1	0.037	0.050	0.1	EPA 8081B	10/20/09 12:57	JHH	
gamma-BHC [58-89-9] ^	0.0027	U	ug/L	1	0.0027	0.050	0.05	EPA 8081B	10/20/09 12:57	JHH	
Heptachlor [76-44-8] ^	0.0023	U	ug/L	1	0.0023	0.050	0.05	EPA 8081B	10/20/09 12:57	JHH	
Heptachlor epoxide [1024-57-3] ^	0.0056	U	ug/L	1	0.0056	0.050	0.075	EPA 8081B	10/20/09 12:57	JHH	
Methoxychlor [72-43-5] ^	0.044	U	ug/L	1	0.044	0.050	1	EPA 8081B	10/20/09 12:57	JHH	
Toxaphene [8001-35-2] ^	0.22	U	ug/L	1	0.22	0.50	1.5	EPA 8081B	10/20/09 12:57	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.56*	*1*	*1.00*	*56 %*	*39-141*	*9J19005*	*EPA 8081B*	*10/20/09 12:57*	*JHH*	
Decachlorobiphenyl	*0.91*	*1*	*1.00*	*91 %*	*25-163*	*9J19005*	*EPA 8081B*	*10/20/09 12:57*	*JHH*	

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Description: 4103 II-6
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C911965-02
Sampled: 10/13/09 14:50
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C911965

Polychlorinated Biphenyls by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
PCB-1016/1242 [12674-11-2/53469-21-9] ^	0.075	U	ug/L	1	0.075	0.50	2	EPA 8082A	10/20/09 12:57	JHH	
PCB-1221 [11104-28-2] ^	0.046	U	ug/L	1	0.046	0.50	NE	EPA 8082A	10/20/09 12:57	JHH	
PCB-1232 [11141-16-5] ^	0.028	U	ug/L	1	0.028	0.50	NE	EPA 8082A	10/20/09 12:57	JHH	
PCB-1248 [12672-29-6] ^	0.014	U	ug/L	1	0.014	0.50	NE	EPA 8082A	10/20/09 12:57	JHH	
PCB-1254 [11097-69-1] ^	0.015	U	ug/L	1	0.015	0.50	NE	EPA 8082A	10/20/09 12:57	JHH	
PCB-1260 [11096-82-5] ^	0.096	U	ug/L	1	0.096	0.50	NE	EPA 8082A	10/20/09 12:57	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.56*	*1*	*1.00*	*56 %*	*39-151*	*9119005*	*EPA 8082A*	*10/20/09 12:57*	*JHH*	
Decachlorobiphenyl	*0.91*	*1*	*1.00*	*91 %*	*55-118*	*9119005*	*EPA 8082A*	*10/20/09 12:57*	*JHH*	

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Description: 4103 II-6
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C911965-02
Sampled: 10/13/09 14:50
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C911965

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.0540	U	ug/L	1	0.0540	0.200	0.2	EPA 7470A	10/15/09 16:47	NLH	

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Description: 4103 II-6
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C911965-02
Sampled: 10/13/09 14:50
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C911965

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] ^	**0.211**	J	ug/L	1	0.0730	2.00	6	EPA 6020A	10/21/09 12:54	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	10/27/09 11:23	JDH	
Barium [7440-39-3] ^	**410**		ug/L	1	1.00	10.0	100	EPA 6010C	10/27/09 11:23	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	10/27/09 11:23	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	10/27/09 11:23	JDH	
Chromium [7440-47-3] ^	**3.77**	J	ug/L	1	1.00	10.0	10	EPA 6010C	10/27/09 11:23	JDH	
Cobalt [7440-48-4] ^	**34.5**		ug/L	1	1.10	10.0	10	EPA 6010C	10/27/09 11:23	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	10/27/09 11:23	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/27/09 11:23	JDH	
Nickel [7440-02-0] ^	**40.3**	J	ug/L	1	1.80	10.0	50	EPA 6010C	10/27/09 11:23	JDH	
Selenium [7782-49-2] ^	**6.50**	J	ug/L	1	2.70	10.0	10	EPA 6010C	10/27/09 11:23	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/27/09 11:23	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	10/21/09 12:54	VLO	
Tin [7440-31-5] ^	**7.96**	J	ug/L	1	2.10	10.0	100	EPA 6010C	10/27/09 11:23	JDH	
Vanadium [7440-62-2] ^	**2.02**	J	ug/L	1	1.40	10.0	25	EPA 6010C	10/27/09 11:23	JDH	
Zinc [7440-66-6] ^	**4.87**	J	ug/L	1	3.80	10.0	10	EPA 6010C	10/27/09 11:23	JDH	

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Description: 4103 II-6
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C911965-02
Sampled: 10/13/09 14:50
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C911965

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Cyanide (total) [57-12-5] ^	0.0047	U	mg/L	1	0.0047	0.0050	10	EPA 335.4	10/21/09 09:01	PEV	
Sulfide [18496-25-8] ^	0.031	U	mg/L	1	0.031	0.10	1	SM18 4500-S D	10/19/09 16:50	GPW	

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Description: 4103 II-6
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C911965-02
Sampled: 10/13/09 14:50
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C911965

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
2,4,5-T [93-76-5] ^	0.053	U	ug/L	1	0.053	0.50	2	EPA 8151A	10/23/09 13:19	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	**0.45**	J	ug/L	1	0.056	0.50	2	EPA 8151A	10/23/09 13:19	RGG	
2,4-D [94-75-7] ^	0.091	U	ug/L	1	0.091	0.50	2	EPA 8151A	10/23/09 13:19	RGG	
Dinoseb [88-85-7] ^	0.28	U	ug/L	1	0.28	0.50	1	EPA 8151A	10/23/09 13:19	RGG	
Pentachlorophenol [87-86-5] ^	0.043	U	ug/L	1	0.043	0.50	25	EPA 8151A	10/23/09 13:19	RGG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*1.7*	*1*	*2.00*	*87 %*	*68-139*	*9J19002*	*EPA 8151A*	*10/23/09 13:19*	*RGG*	

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

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Description: 4103 II-8
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C911965-03
Sampled: 10/13/09 12:15
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C911965

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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/17/09 19:27	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/17/09 19:27	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	10/17/09 19:27	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/17/09 19:27	JKG	
1,1-Dichloroethane [75-34-3] ^	**0.73**	J	ug/L	1	0.33	1.0	5	EPA 8260B	10/17/09 19:27	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	10/17/09 19:27	JKG	
1,1-Dichloropropene [563-58-6] ^	0.32	U	ug/L	1	0.32	1.0	5	EPA 8260B	10/17/09 19:27	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	10/17/09 19:27	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.36	U	ug/L	1	0.36	1.0	10	EPA 8260B	10/17/09 19:27	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/17/09 19:27	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	10/17/09 19:27	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	10/17/09 19:27	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	10/17/09 19:27	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/17/09 19:27	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.30	U	ug/L	1	0.30	1.0	5	EPA 8260B	10/17/09 19:27	JKG	
1,3-Dichloropropane [142-28-9] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/17/09 19:27	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 19:27	JKG	
2,2-Dichloropropane [594-20-7] ^	0.55	U	ug/L	1	0.55	1.0	15	EPA 8260B	10/17/09 19:27	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	10/17/09 19:27	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	10/17/09 19:27	JKG	
3-Chloropropene [107-05-1] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	10/17/09 19:27	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/17/09 19:27	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/17/09 19:27	JKG	
Acetonitrile [75-05-8] ^	2.8	U	ug/L	1	2.8	10	55	EPA 8260B	10/17/09 19:27	JKG	
Acrolein [107-02-8] ^	3.0	U	ug/L	1	3.0	10	53	EPA 8260B	10/17/09 19:27	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	10/17/09 19:27	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/17/09 19:27	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	10/17/09 19:27	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/17/09 19:27	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	10/17/09 19:27	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	10/17/09 19:27	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	10/17/09 19:27	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 19:27	JKG	
Chlorobenzene [108-90-7] ^	**2.1**	J	ug/L	1	0.27	1.0	3	EPA 8260B	10/17/09 19:27	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	10/17/09 19:27	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	10/17/09 19:27	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	10/17/09 19:27	JKG	
Chloroprene [126-99-8] ^	0.24	U	ug/L	1	0.24	1.0	20	EPA 8260B	10/17/09 19:27	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	10/17/09 19:27	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/17/09 19:27	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	10/17/09 19:27	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	10/17/09 19:27	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.38	U	ug/L	1	0.38	1.0	5	EPA 8260B	10/17/09 19:27	JKG	
Ethyl Methacrylate [97-63-2] ^	0.32	U	ug/L	1	0.32	1.0	10	EPA 8260B	10/17/09 19:27	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/17/09 19:27	JKG	
Hexachlorobutadiene [87-68-3] ^	0.35	U	ug/L	1	0.35	1.0	10	EPA 8260B	10/17/09 19:27	JKG	

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Description: 4103 II-8
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C911965-03
Sampled: 10/13/09 12:15
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C911965

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
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	10/17/09 19:27	JKG	
Isobutyl alcohol [78-83-1] ^	14	U	ug/L	1	14	50	100	EPA 8260B	10/17/09 19:27	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.48	U	ug/L	1	0.48	2.0	NE	EPA 8260B	10/17/09 19:27	JKG	
Methacrylonitrile [126-98-7] ^	2.8	U	ug/L	1	2.8	10	100	EPA 8260B	10/17/09 19:27	JKG	
Methyl Methacrylate [80-62-6] ^	0.53	U	ug/L	1	0.53	1.0	30	EPA 8260B	10/17/09 19:27	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	10/17/09 19:27	JKG	
Naphthalene [91-20-3] ^	0.39	U	ug/L	1	0.39	1.0	10	EPA 8260B	10/17/09 19:27	JKG	
o-Xylene [95-47-6] ^	0.27	U	ug/L	1	0.27	1.0	NE	EPA 8260B	10/17/09 19:27	JKG	
Propionitrile [107-12-0] ^	4.8	U	ug/L	1	4.8	10	150	EPA 8260B	10/17/09 19:27	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	10/17/09 19:27	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/17/09 19:27	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/17/09 19:27	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	10/17/09 19:27	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 19:27	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	10/17/09 19:27	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 19:27	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/17/09 19:27	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	10/17/09 19:27	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	10/17/09 19:27	JKG	
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/17/09 19:27	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*40*	*1*	*50.0*	*80 %*	*51-122*	*9J16018*	*EPA 8260B*	*10/17/09 19:27*	*JKG*	
Dibromofluoromethane	*38*	*1*	*50.0*	*76 %*	*68-117*	*9J16018*	*EPA 8260B*	*10/17/09 19:27*	*JKG*	
Toluene-d8	*38*	*1*	*50.0*	*76 %*	*69-110*	*9J16018*	*EPA 8260B*	*10/17/09 19:27*	*JKG*	

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Description: 4103 II-8
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C911965-03
Sampled: 10/13/09 12:15
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C911965

Semivolatile 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
1,2,4,5-Tetrachlorobenzene [95-94-3]	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	10/20/09 01:30	DFM	
1,3,5-Trinitrobenzene [99-35-4]	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/20/09 01:30	DFM	
1,3-Dinitrobenzene [99-65-0]	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	10/20/09 01:30	DFM	
1,4-Naphthoquinone [130-15-4]	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	10/20/09 01:30	DFM	
1,4-Phenylenediamine [106-50-3]	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	10/20/09 01:30	DFM	
1-Naphthylamine [134-32-7]	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	10/20/09 01:30	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/20/09 01:30	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/20/09 01:30	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	10/20/09 01:30	DFM	
2,4-Dichlorophenol [120-83-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/20/09 01:30	DFM	
2,4-Dimethylphenol [105-67-9] ^	2.6	U	ug/L	1	2.6	10	10	EPA 8270D	10/20/09 01:30	DFM	
2,4-Dinitrophenol [51-28-5] ^	2.6	U	ug/L	1	2.6	10	50	EPA 8270D	10/20/09 01:30	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	10/20/09 01:30	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/20/09 01:30	DFM	
2-Acetylaminofluorene [53-96-3]	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	10/20/09 01:30	DFM	
2-Chloronaphthalene [91-58-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/20/09 01:30	DFM	
2-Chlorophenol [95-57-8] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/20/09 01:30	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	1.9	U	ug/L	1	1.9	10	50	EPA 8270D	10/20/09 01:30	DFM	
2-Methylnaphthalene [91-57-6] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/20/09 01:30	DFM	
2-Methylphenol [95-48-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/20/09 01:30	DFM	
2-Naphthylamine [91-59-8]	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	10/20/09 01:30	DFM	
2-Nitroaniline [88-74-4] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270D	10/20/09 01:30	DFM	
2-Nitrophenol [88-75-5] ^	2.3	U	ug/L	1	2.3	10	10	EPA 8270D	10/20/09 01:30	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.8	U	ug/L	1	1.8	20	10	EPA 8270D	10/20/09 01:30	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	1.7	U	ug/L	1	1.7	10	20	EPA 8270D	10/20/09 01:30	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	10/20/09 01:30	DFM	
3-Methylcholanthrene [56-49-5]	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/20/09 01:30	DFM	
3-Nitroaniline [99-09-2] ^	1.6	U	ug/L	1	1.6	10	50	EPA 8270D	10/20/09 01:30	DFM	
4-Aminobiphenyl [92-67-1]	3.1	U	ug/L	1	3.1	10	20	EPA 8270D	10/20/09 01:30	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/20/09 01:30	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.6	U	ug/L	1	1.6	10	20	EPA 8270D	10/20/09 01:30	DFM	
4-Chloroaniline [106-47-8] ^	1.6	U	ug/L	1	1.6	10	20	EPA 8270D	10/20/09 01:30	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/20/09 01:30	DFM	
4-Nitroaniline [100-01-6] ^	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	10/20/09 01:30	DFM	
4-Nitrophenol [100-02-7] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270D	10/20/09 01:30	DFM	
5-Nitro-o-toluidine [99-55-8]	0.60	U	ug/L	1	0.60	10	10	EPA 8270D	10/20/09 01:30	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6]	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/20/09 01:30	DFM	
Acenaphthene [83-32-9] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/20/09 01:30	DFM	
Acenaphthylene [208-96-8] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/20/09 01:30	DFM	
Acetophenone [98-86-2]	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/20/09 01:30	DFM	
Benzyl alcohol [100-51-6] ^	2.0	U	ug/L	1	2.0	10	20	EPA 8270D	10/20/09 01:30	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/20/09 01:30	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/20/09 01:30	DFM	
Bis(2-chloroisopropyl)ether [39638-32-9] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270D	10/20/09 01:30	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	2.6	U	ug/L	1	2.6	5.0	15	EPA 8270D	10/20/09 01:30	DFM	
Butylbenzylphthalate [85-68-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/20/09 01:30	DFM	

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Description: 4103 II-8
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C911965-03
Sampled: 10/13/09 12:15
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C911965

Semivolatile 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
Dibenzofuran [132-64-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/20/09 01:30	DFM	
Diethylphthalate [84-66-2] ^	0.61	U	ug/L	1	0.61	10	10	EPA 8270D	10/20/09 01:30	DFM	
Dimethylphthalate [131-11-3] ^	0.79	U	ug/L	1	0.79	10	10	EPA 8270D	10/20/09 01:30	DFM	
Di-n-butylphthalate [84-74-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/20/09 01:30	DFM	
Di-n-octylphthalate [117-84-0] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/20/09 01:30	DFM	
Ethyl methanesulfonate [62-50-0] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270D	10/20/09 01:30	DFM	
Fluorene [86-73-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/20/09 01:30	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/20/09 01:30	DFM	
Hexachloroethane [67-72-1] ^	0.97	U	ug/L	1	0.97	10	10	EPA 8270D	10/20/09 01:30	DFM	
Hexachloropropene [1888-71-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/20/09 01:30	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	10/20/09 01:30	DFM	
Isophorone [78-59-1] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	10/20/09 01:30	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/20/09 01:30	DFM	
Methapyrilene [91-80-5] ^	3.8	U	ug/L	1	3.8	10	100	EPA 8270D	10/20/09 01:30	DFM	
Methyl Methanesulfonate [66-27-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/20/09 01:30	DFM	
Nitrobenzene [98-95-3] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/20/09 01:30	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.9	U	ug/L	1	1.9	10	20	EPA 8270D	10/20/09 01:30	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/20/09 01:30	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/20/09 01:30	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270D	10/20/09 01:30	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/20/09 01:30	DFM	
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/20/09 01:30	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270D	10/20/09 01:30	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/20/09 01:30	DFM	
O,O,O-Triethyl phosphorothioate [126-68-1] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/20/09 01:30	DFM	
o-Toluidine [95-53-4] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	10/20/09 01:30	DFM	
Parathion [56-38-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/20/09 01:30	DFM	
p-Dimethylaminoazobenzene [60-11-7]	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/20/09 01:30	DFM	
Phenacetin [62-44-2] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	10/20/09 01:30	DFM	
Phenanthrene [85-01-8] ^	0.74	U	ug/L	1	0.74	10	10	EPA 8270D	10/20/09 01:30	DFM	
Phenol [108-95-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/20/09 01:30	DFM	
Pronamide [23950-58-5] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/20/09 01:30	DFM	
Safrole [94-59-7] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/20/09 01:30	DFM	
Thionazin [297-97-2] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	10/20/09 01:30	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*89*	*1*	*100*	*89 %*	*10-179*	*9J15012*	*EPA 8270D*	*10/20/09 01:30*	*DFM*	
2-Fluorobiphenyl	*40*	*1*	*50.0*	*81 %*	*10-149*	*9J15012*	*EPA 8270D*	*10/20/09 01:30*	*DFM*	
2-Fluorophenol	*59*	*1*	*100*	*59 %*	*10-110*	*9J15012*	*EPA 8270D*	*10/20/09 01:30*	*DFM*	
Nitrobenzene-d5	*39*	*1*	*50.0*	*79 %*	*10-149*	*9J15012*	*EPA 8270D*	*10/20/09 01:30*	*DFM*	
Phenol-d5	*48*	*1*	*100*	*48 %*	*10-88*	*9J15012*	*EPA 8270D*	*10/20/09 01:30*	*DFM*	
Terphenyl-d14	*44*	*1*	*50.0*	*88 %*	*10-188*	*9J15012*	*EPA 8270D*	*10/20/09 01:30*	*DFM*	

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Description: 4103 II-8
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C911965-03
Sampled: 10/13/09 12:15
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C911965

Organochlorine Pesticides by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
4,4'-DDD [72-54-8] ^	0.024	U	ug/L	1	0.024	0.050	0.1	EPA 8081B	10/20/09 13:10	JHH	
4,4'-DDE [72-55-9] ^	0.023	U	ug/L	1	0.023	0.050	0.1	EPA 8081B	10/20/09 13:10	JHH	
4,4'-DDT [50-29-3] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	10/20/09 13:10	JHH	
Aldrin [309-00-2] ^	0.012	U	ug/L	1	0.012	0.050	0.05	EPA 8081B	10/20/09 13:10	JHH	
alpha-BHC [319-84-6] ^	0.024	U	ug/L	1	0.024	0.050	0.05	EPA 8081B	10/20/09 13:10	JHH	
beta-BHC [319-85-7] ^	0.028	U	ug/L	1	0.028	0.050	0.05	EPA 8081B	10/20/09 13:10	JHH	
Chlordane (tech) [12789-03-6] ^	0.20	U	ug/L	1	0.20	0.50	0.5	EPA 8081B	10/20/09 13:10	JHH	
Chlordane-alpha [5103-71-9] ^	0.025	U	ug/L	1	0.025	0.050	NE	EPA 8081B	10/20/09 13:10	JHH	
Chlordane-gamma [5103-74-2] ^	0.026	U	ug/L	1	0.026	0.050	NE	EPA 8081B	10/20/09 13:10	JHH	
delta-BHC [319-86-8] ^	0.013	U	ug/L	1	0.013	0.050	0.05	EPA 8081B	10/20/09 13:10	JHH	
Dieldrin [60-57-1] ^	0.0053	U	ug/L	1	0.0053	0.050	0.075	EPA 8081B	10/20/09 13:10	JHH	
Endosulfan I [959-98-8] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	10/20/09 13:10	JHH	
Endosulfan II [33213-65-9] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	10/20/09 13:10	JHH	
Endosulfan sulfate [1031-07-8] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	10/20/09 13:10	JHH	
Endrin [72-20-8] ^	0.0034	U	ug/L	1	0.0034	0.050	0.1	EPA 8081B	10/20/09 13:10	JHH	
Endrin aldehyde [7421-93-4] ^	0.037	U	ug/L	1	0.037	0.050	0.1	EPA 8081B	10/20/09 13:10	JHH	
gamma-BHC [58-89-9] ^	0.0027	U	ug/L	1	0.0027	0.050	0.05	EPA 8081B	10/20/09 13:10	JHH	
Heptachlor [76-44-8] ^	0.0023	U	ug/L	1	0.0023	0.050	0.05	EPA 8081B	10/20/09 13:10	JHH	
Heptachlor epoxide [1024-57-3] ^	0.0056	U	ug/L	1	0.0056	0.050	0.075	EPA 8081B	10/20/09 13:10	JHH	
Methoxychlor [72-43-5] ^	0.044	U	ug/L	1	0.044	0.050	1	EPA 8081B	10/20/09 13:10	JHH	
Toxaphene [8001-35-2] ^	0.22	U	ug/L	1	0.22	0.50	1.5	EPA 8081B	10/20/09 13:10	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.99*	*1*	*1.00*	*99 %*	*39-141*	*9119005*	*EPA 8081B*	*10/20/09 13:10*	*JHH*	
Decachlorobiphenyl	*1.0*	*1*	*1.00*	*103 %*	*25-163*	*9119005*	*EPA 8081B*	*10/20/09 13:10*	*JHH*	

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Description: 4103 II-8
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C911965-03
Sampled: 10/13/09 12:15
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C911965

Polychlorinated Biphenyls by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
PCB-1016/1242 [12674-11-2/53469-21-9] ^	0.075	U	ug/L	1	0.075	0.50	2	EPA 8082A	10/20/09 13:10	JHH	
PCB-1221 [11104-28-2] ^	0.046	U	ug/L	1	0.046	0.50	NE	EPA 8082A	10/20/09 13:10	JHH	
PCB-1232 [11141-16-5] ^	0.028	U	ug/L	1	0.028	0.50	NE	EPA 8082A	10/20/09 13:10	JHH	
PCB-1248 [12672-29-6] ^	0.014	U	ug/L	1	0.014	0.50	NE	EPA 8082A	10/20/09 13:10	JHH	
PCB-1254 [11097-69-1] ^	0.015	U	ug/L	1	0.015	0.50	NE	EPA 8082A	10/20/09 13:10	JHH	
PCB-1260 [11096-82-5] ^	0.096	U	ug/L	1	0.096	0.50	NE	EPA 8082A	10/20/09 13:10	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.99*	*1*	*1.00*	*99 %*	*39-151*	*9J19005*	*EPA 8082A*	*10/20/09 13:10*	*JHH*	
Decachlorobiphenyl	*1.0*	*1*	*1.00*	*103 %*	*55-118*	*9J19005*	*EPA 8082A*	*10/20/09 13:10*	*JHH*	

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Description: 4103 II-8
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C911965-03
Sampled: 10/13/09 12:15
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C911965

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	**0.239**		ug/L	1	0.0540	0.200	0.2	EPA 7470A	10/15/09 16:52	NLH	

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Description: 4103 II-8
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C911965-03
Sampled: 10/13/09 12:15
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C911965

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] ^	0.0730	U	ug/L	1	0.0730	2.00	6	EPA 6020A	10/21/09 12:57	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	10/27/09 11:35	JDH	
Barium [7440-39-3] ^	**79.2**	J	ug/L	1	1.00	10.0	100	EPA 6010C	10/27/09 11:35	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	10/27/09 11:35	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	10/27/09 11:35	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	10/27/09 11:35	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	10/27/09 11:35	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	10/27/09 11:35	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/27/09 11:35	JDH	
Nickel [7440-02-0] ^	**9.71**	J	ug/L	1	1.80	10.0	50	EPA 6010C	10/27/09 11:35	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	10/27/09 11:35	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/27/09 11:35	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	10/21/09 12:57	VLO	
Tin [7440-31-5] ^	**3.37**	J	ug/L	1	2.10	10.0	100	EPA 6010C	10/27/09 11:35	JDH	
Vanadium [7440-62-2] ^	**6.24**	J	ug/L	1	1.40	10.0	25	EPA 6010C	10/27/09 11:35	JDH	
Zinc [7440-66-6] ^	**4.03**	J	ug/L	1	3.80	10.0	10	EPA 6010C	10/27/09 11:35	JDH	

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Description: 4103 II-8
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C911965-03
Sampled: 10/13/09 12:15
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C911965

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Cyanide (total) [57-12-5] ^	0.0047	U	mg/L	1	0.0047	0.0050	10	EPA 335.4	10/21/09 09:03	PEV	
Sulfide [18496-25-8] ^	0.031	U	mg/L	1	0.031	0.10	1	SM18 4500-S D	10/19/09 16:50	GPW	

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Description: 4103 II-8
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C911965-03
Sampled: 10/13/09 12:15
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C911965

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
2,4,5-T [93-76-5] ^	0.053	U	ug/L	1	0.053	0.50	2	EPA 8151A	10/23/09 13:43	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.056	U	ug/L	1	0.056	0.50	2	EPA 8151A	10/23/09 13:43	RGG	
2,4-D [94-75-7] ^	0.091	U	ug/L	1	0.091	0.50	2	EPA 8151A	10/23/09 13:43	RGG	
Dinoseb [88-85-7] ^	0.28	U	ug/L	1	0.28	0.50	1	EPA 8151A	10/23/09 13:43	RGG	
Pentachlorophenol [87-86-5] ^	0.043	U	ug/L	1	0.043	0.50	25	EPA 8151A	10/23/09 13:43	RGG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*1.9*	*1*	*2.00*	*96 %*	*68-139*	*9119002*	*EPA 8151A*	*10/23/09 13:43*	*RGG*	

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

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Description: 4103 MW-14
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C911965-04
Sampled: 10/13/09 16:50
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C911965

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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/17/09 19:57	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/17/09 19:57	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	10/17/09 19:57	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/17/09 19:57	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	10/17/09 19:57	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	10/17/09 19:57	JKG	
1,1-Dichloropropene [563-58-6] ^	0.32	U	ug/L	1	0.32	1.0	5	EPA 8260B	10/17/09 19:57	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	10/17/09 19:57	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.36	U	ug/L	1	0.36	1.0	10	EPA 8260B	10/17/09 19:57	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/17/09 19:57	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	10/17/09 19:57	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	10/17/09 19:57	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	10/17/09 19:57	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/17/09 19:57	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.30	U	ug/L	1	0.30	1.0	5	EPA 8260B	10/17/09 19:57	JKG	
1,3-Dichloropropane [142-28-9] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/17/09 19:57	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 19:57	JKG	
2,2-Dichloropropane [594-20-7] ^	0.55	U	ug/L	1	0.55	1.0	15	EPA 8260B	10/17/09 19:57	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	10/17/09 19:57	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	10/17/09 19:57	JKG	
3-Chloropropene [107-05-1] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	10/17/09 19:57	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/17/09 19:57	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/17/09 19:57	JKG	
Acetonitrile [75-05-8] ^	2.8	U	ug/L	1	2.8	10	55	EPA 8260B	10/17/09 19:57	JKG	
Acrolein [107-02-8] ^	3.0	U	ug/L	1	3.0	10	53	EPA 8260B	10/17/09 19:57	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	10/17/09 19:57	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/17/09 19:57	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	10/17/09 19:57	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/17/09 19:57	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	10/17/09 19:57	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	10/17/09 19:57	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	10/17/09 19:57	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 19:57	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/17/09 19:57	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	10/17/09 19:57	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	10/17/09 19:57	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	10/17/09 19:57	JKG	
Chloroprene [126-99-8] ^	0.24	U	ug/L	1	0.24	1.0	20	EPA 8260B	10/17/09 19:57	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	10/17/09 19:57	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/17/09 19:57	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	10/17/09 19:57	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	10/17/09 19:57	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.38	U	ug/L	1	0.38	1.0	5	EPA 8260B	10/17/09 19:57	JKG	
Ethyl Methacrylate [97-63-2] ^	0.32	U	ug/L	1	0.32	1.0	10	EPA 8260B	10/17/09 19:57	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/17/09 19:57	JKG	
Hexachlorobutadiene [87-68-3] ^	0.35	U	ug/L	1	0.35	1.0	10	EPA 8260B	10/17/09 19:57	JKG	

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Description: 4103 MW-14
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C911965-04
Sampled: 10/13/09 16:50
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C911965

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
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	10/17/09 19:57	JKG	
Isobutyl alcohol [78-83-1] ^	14	U	ug/L	1	14	50	100	EPA 8260B	10/17/09 19:57	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.48	U	ug/L	1	0.48	2.0	NE	EPA 8260B	10/17/09 19:57	JKG	
Methacrylonitrile [126-98-7] ^	2.8	U	ug/L	1	2.8	10	100	EPA 8260B	10/17/09 19:57	JKG	
Methyl Methacrylate [80-62-6] ^	0.53	U	ug/L	1	0.53	1.0	30	EPA 8260B	10/17/09 19:57	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	10/17/09 19:57	JKG	
Naphthalene [91-20-3] ^	0.39	U	ug/L	1	0.39	1.0	10	EPA 8260B	10/17/09 19:57	JKG	
o-Xylene [95-47-6] ^	0.27	U	ug/L	1	0.27	1.0	NE	EPA 8260B	10/17/09 19:57	JKG	
Propionitrile [107-12-0] ^	4.8	U	ug/L	1	4.8	10	150	EPA 8260B	10/17/09 19:57	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	10/17/09 19:57	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/17/09 19:57	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/17/09 19:57	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	10/17/09 19:57	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 19:57	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	10/17/09 19:57	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 19:57	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/17/09 19:57	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	10/17/09 19:57	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	10/17/09 19:57	JKG	
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/17/09 19:57	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*40*	*1*	*50.0*	*79 %*	*51-122*	*9J16018*	*EPA 8260B*	*10/17/09 19:57*	*JKG*	
Dibromofluoromethane	*37*	*1*	*50.0*	*74 %*	*68-117*	*9J16018*	*EPA 8260B*	*10/17/09 19:57*	*JKG*	
Toluene-d8	*38*	*1*	*50.0*	*76 %*	*69-110*	*9J16018*	*EPA 8260B*	*10/17/09 19:57*	*JKG*	

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Description: 4103 MW-14
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C911965-04
Sampled: 10/13/09 16:50
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C911965

Semivolatile 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
1,2,4,5-Tetrachlorobenzene [95-94-3]	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	10/20/09 01:57	DFM	
1,3,5-Trinitrobenzene [99-35-4]	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/20/09 01:57	DFM	
1,3-Dinitrobenzene [99-65-0]	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	10/20/09 01:57	DFM	
1,4-Naphthoquinone [130-15-4]	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	10/20/09 01:57	DFM	
1,4-Phenylenediamine [106-50-3]	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	10/20/09 01:57	DFM	
1-Naphthylamine [134-32-7]	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	10/20/09 01:57	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/20/09 01:57	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/20/09 01:57	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	10/20/09 01:57	DFM	
2,4-Dichlorophenol [120-83-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/20/09 01:57	DFM	
2,4-Dimethylphenol [105-67-9] ^	2.6	U	ug/L	1	2.6	10	10	EPA 8270D	10/20/09 01:57	DFM	
2,4-Dinitrophenol [51-28-5] ^	2.6	U	ug/L	1	2.6	10	50	EPA 8270D	10/20/09 01:57	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	10/20/09 01:57	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/20/09 01:57	DFM	
2-Acetylaminofluorene [53-96-3]	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	10/20/09 01:57	DFM	
2-Chloronaphthalene [91-58-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/20/09 01:57	DFM	
2-Chlorophenol [95-57-8] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/20/09 01:57	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	1.9	U	ug/L	1	1.9	10	50	EPA 8270D	10/20/09 01:57	DFM	
2-Methylnaphthalene [91-57-6] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/20/09 01:57	DFM	
2-Methylphenol [95-48-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/20/09 01:57	DFM	
2-Naphthylamine [91-59-8]	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	10/20/09 01:57	DFM	
2-Nitroaniline [88-74-4] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270D	10/20/09 01:57	DFM	
2-Nitrophenol [88-75-5] ^	2.3	U	ug/L	1	2.3	10	10	EPA 8270D	10/20/09 01:57	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.8	U	ug/L	1	1.8	20	10	EPA 8270D	10/20/09 01:57	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	1.7	U	ug/L	1	1.7	10	20	EPA 8270D	10/20/09 01:57	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	10/20/09 01:57	DFM	
3-Methylcholanthrene [56-49-5]	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/20/09 01:57	DFM	
3-Nitroaniline [99-09-2] ^	1.6	U	ug/L	1	1.6	10	50	EPA 8270D	10/20/09 01:57	DFM	
4-Aminobiphenyl [92-67-1]	3.1	U	ug/L	1	3.1	10	20	EPA 8270D	10/20/09 01:57	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/20/09 01:57	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.6	U	ug/L	1	1.6	10	20	EPA 8270D	10/20/09 01:57	DFM	
4-Chloroaniline [106-47-8] ^	1.6	U	ug/L	1	1.6	10	20	EPA 8270D	10/20/09 01:57	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/20/09 01:57	DFM	
4-Nitroaniline [100-01-6] ^	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	10/20/09 01:57	DFM	
4-Nitrophenol [100-02-7] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270D	10/20/09 01:57	DFM	
5-Nitro-o-toluidine [99-55-8]	0.60	U	ug/L	1	0.60	10	10	EPA 8270D	10/20/09 01:57	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6]	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/20/09 01:57	DFM	
Acenaphthene [83-32-9] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/20/09 01:57	DFM	
Acenaphthylene [208-96-8] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/20/09 01:57	DFM	
Acetophenone [98-86-2]	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/20/09 01:57	DFM	
Benzyl alcohol [100-51-6] ^	2.0	U	ug/L	1	2.0	10	20	EPA 8270D	10/20/09 01:57	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/20/09 01:57	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/20/09 01:57	DFM	
Bis(2-chloroisopropyl)ether [39638-32-9] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270D	10/20/09 01:57	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	2.6	U	ug/L	1	2.6	5.0	15	EPA 8270D	10/20/09 01:57	DFM	
Butylbenzylphthalate [85-68-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/20/09 01:57	DFM	

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Description: 4103 MW-14
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C911965-04
Sampled: 10/13/09 16:50
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C911965

Semivolatile 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
Dibenzofuran [132-64-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/20/09 01:57	DFM	
Diethylphthalate [84-66-2] ^	0.61	U	ug/L	1	0.61	10	10	EPA 8270D	10/20/09 01:57	DFM	
Dimethylphthalate [131-11-3] ^	0.79	U	ug/L	1	0.79	10	10	EPA 8270D	10/20/09 01:57	DFM	
Di-n-butylphthalate [84-74-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/20/09 01:57	DFM	
Di-n-octylphthalate [117-84-0] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/20/09 01:57	DFM	
Ethyl methanesulfonate [62-50-0] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270D	10/20/09 01:57	DFM	
Fluorene [86-73-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/20/09 01:57	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/20/09 01:57	DFM	
Hexachloroethane [67-72-1] ^	0.97	U	ug/L	1	0.97	10	10	EPA 8270D	10/20/09 01:57	DFM	
Hexachloropropene [1888-71-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/20/09 01:57	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	10/20/09 01:57	DFM	
Isophorone [78-59-1] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	10/20/09 01:57	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/20/09 01:57	DFM	
Methapyrilene [91-80-5] ^	3.8	U	ug/L	1	3.8	10	100	EPA 8270D	10/20/09 01:57	DFM	
Methyl Methanesulfonate [66-27-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/20/09 01:57	DFM	
Nitrobenzene [98-95-3] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/20/09 01:57	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.9	U	ug/L	1	1.9	10	20	EPA 8270D	10/20/09 01:57	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/20/09 01:57	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/20/09 01:57	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270D	10/20/09 01:57	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/20/09 01:57	DFM	
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/20/09 01:57	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270D	10/20/09 01:57	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/20/09 01:57	DFM	
O,O,O-Triethyl phosphorothioate [126-68-1] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/20/09 01:57	DFM	
o-Toluidine [95-53-4] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	10/20/09 01:57	DFM	
Parathion [56-38-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/20/09 01:57	DFM	
p-Dimethylaminoazobenzene [60-11-7]	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/20/09 01:57	DFM	
Phenacetin [62-44-2] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	10/20/09 01:57	DFM	
Phenanthrene [85-01-8] ^	0.74	U	ug/L	1	0.74	10	10	EPA 8270D	10/20/09 01:57	DFM	
Phenol [108-95-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/20/09 01:57	DFM	
Pronamide [23950-58-5] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/20/09 01:57	DFM	
Safrole [94-59-7] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/20/09 01:57	DFM	
Thionazin [297-97-2] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	10/20/09 01:57	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*79*	*1*	*100*	*79 %*	*10-179*	*9I15012*	*EPA 8270D*	*10/20/09 01:57*	*DFM*	
2-Fluorobiphenyl	*38*	*1*	*50.0*	*76 %*	*10-149*	*9I15012*	*EPA 8270D*	*10/20/09 01:57*	*DFM*	
2-Fluorophenol	*58*	*1*	*100*	*58 %*	*10-110*	*9I15012*	*EPA 8270D*	*10/20/09 01:57*	*DFM*	
Nitrobenzene-d5	*39*	*1*	*50.0*	*78 %*	*10-149*	*9I15012*	*EPA 8270D*	*10/20/09 01:57*	*DFM*	
Phenol-d5	*47*	*1*	*100*	*47 %*	*10-88*	*9I15012*	*EPA 8270D*	*10/20/09 01:57*	*DFM*	
Terphenyl-d14	*41*	*1*	*50.0*	*83 %*	*10-188*	*9I15012*	*EPA 8270D*	*10/20/09 01:57*	*DFM*	

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Description: 4103 MW-14
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C911965-04
Sampled: 10/13/09 16:50
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C911965

Organochlorine Pesticides by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
4,4'-DDD [72-54-8] ^	0.024	U	ug/L	1	0.024	0.050	0.1	EPA 8081B	10/20/09 13:24	JHH	
4,4'-DDE [72-55-9] ^	0.023	U	ug/L	1	0.023	0.050	0.1	EPA 8081B	10/20/09 13:24	JHH	
4,4'-DDT [50-29-3] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	10/20/09 13:24	JHH	
Aldrin [309-00-2] ^	0.012	U	ug/L	1	0.012	0.050	0.05	EPA 8081B	10/20/09 13:24	JHH	
alpha-BHC [319-84-6] ^	0.024	U	ug/L	1	0.024	0.050	0.05	EPA 8081B	10/20/09 13:24	JHH	
beta-BHC [319-85-7] ^	0.028	U	ug/L	1	0.028	0.050	0.05	EPA 8081B	10/20/09 13:24	JHH	
Chlordane (tech) [12789-03-6] ^	0.20	U	ug/L	1	0.20	0.50	0.5	EPA 8081B	10/20/09 13:24	JHH	
Chlordane-alpha [5103-71-9] ^	0.025	U	ug/L	1	0.025	0.050	NE	EPA 8081B	10/20/09 13:24	JHH	
Chlordane-gamma [5103-74-2] ^	0.026	U	ug/L	1	0.026	0.050	NE	EPA 8081B	10/20/09 13:24	JHH	
delta-BHC [319-86-8] ^	0.013	U	ug/L	1	0.013	0.050	0.05	EPA 8081B	10/20/09 13:24	JHH	
Dieldrin [60-57-1] ^	0.0053	U	ug/L	1	0.0053	0.050	0.075	EPA 8081B	10/20/09 13:24	JHH	
Endosulfan I [959-98-8] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	10/20/09 13:24	JHH	
Endosulfan II [33213-65-9] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	10/20/09 13:24	JHH	
Endosulfan sulfate [1031-07-8] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	10/20/09 13:24	JHH	
Endrin [72-20-8] ^	0.0034	U	ug/L	1	0.0034	0.050	0.1	EPA 8081B	10/20/09 13:24	JHH	
Endrin aldehyde [7421-93-4] ^	0.037	U	ug/L	1	0.037	0.050	0.1	EPA 8081B	10/20/09 13:24	JHH	
gamma-BHC [58-89-9] ^	0.0027	U	ug/L	1	0.0027	0.050	0.05	EPA 8081B	10/20/09 13:24	JHH	
Heptachlor [76-44-8] ^	0.0023	U	ug/L	1	0.0023	0.050	0.05	EPA 8081B	10/20/09 13:24	JHH	
Heptachlor epoxide [1024-57-3] ^	0.0056	U	ug/L	1	0.0056	0.050	0.075	EPA 8081B	10/20/09 13:24	JHH	
Methoxychlor [72-43-5] ^	0.044	U	ug/L	1	0.044	0.050	1	EPA 8081B	10/20/09 13:24	JHH	
Toxaphene [8001-35-2] ^	0.22	U	ug/L	1	0.22	0.50	1.5	EPA 8081B	10/20/09 13:24	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.95*	*1*	*1.00*	*95 %*	*39-141*	*9J19005*	*EPA 8081B*	*10/20/09 13:24*	*JHH*	
Decachlorobiphenyl	*1.1*	*1*	*1.00*	*113 %*	*25-163*	*9J19005*	*EPA 8081B*	*10/20/09 13:24*	*JHH*	

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Description: 4103 MW-14
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C911965-04
Sampled: 10/13/09 16:50
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C911965

Polychlorinated Biphenyls by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
PCB-1016/1242 [12674-11-2/53469-21-9] ^	0.075	U	ug/L	1	0.075	0.50	2	EPA 8082A	10/20/09 13:24	JHH	
PCB-1221 [11104-28-2] ^	0.046	U	ug/L	1	0.046	0.50	NE	EPA 8082A	10/20/09 13:24	JHH	
PCB-1232 [11141-16-5] ^	0.028	U	ug/L	1	0.028	0.50	NE	EPA 8082A	10/20/09 13:24	JHH	
PCB-1248 [12672-29-6] ^	0.014	U	ug/L	1	0.014	0.50	NE	EPA 8082A	10/20/09 13:24	JHH	
PCB-1254 [11097-69-1] ^	0.015	U	ug/L	1	0.015	0.50	NE	EPA 8082A	10/20/09 13:24	JHH	
PCB-1260 [11096-82-5] ^	0.096	U	ug/L	1	0.096	0.50	NE	EPA 8082A	10/20/09 13:24	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.95*	*1*	*1.00*	*95 %*	*39-151*	*9J19005*	*EPA 8082A*	*10/20/09 13:24*	*JHH*	
Decachlorobiphenyl	*1.1*	*1*	*1.00*	*113 %*	*55-118*	*9J19005*	*EPA 8082A*	*10/20/09 13:24*	*JHH*	

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Description: 4103 MW-14
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C911965-04
Sampled: 10/13/09 16:50
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C911965

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.0540	U	ug/l.	1	0.0540	0.200	0.2	EPA 7470A	10/15/09 17:01	NLH	

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Description: 4103 MW-14
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C911965-04
Sampled: 10/13/09 16:50
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C911965

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] ^	0.0730	U	ug/L	1	0.0730	2.00	6	EPA 6020A	10/21/09 13:01	VLO	
Arsenic [7440-38-2] ^	**3.81**	J	ug/L	1	2.80	10.0	10	EPA 6010C	10/27/09 11:39	JDH	
Barium [7440-39-3] ^	**12.5**	J	ug/L	1	1.00	10.0	100	EPA 6010C	10/27/09 11:39	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	10/27/09 11:39	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	10/27/09 11:39	JDH	
Chromium [7440-47-3] ^	**3.55**	J	ug/L	1	1.00	10.0	10	EPA 6010C	10/27/09 11:39	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	10/27/09 11:39	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	10/27/09 11:39	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/27/09 11:39	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	10/27/09 11:39	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	10/27/09 11:39	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/27/09 11:39	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	10/21/09 13:01	VLO	
Tin [7440-31-5] ^	2.10	U	ug/L	1	2.10	10.0	100	EPA 6010C	10/27/09 11:39	JDH	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	10/27/09 11:39	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	10/27/09 11:39	JDH	

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Description: 4103 MW-14
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C911965-04
Sampled: 10/13/09 16:50
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C911965

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Cyanide (total) [57-12-5] ^	0.0047	U	mg/L	1	0.0047	0.0050	10	EPA 335.4	10/21/09 09:04	PEV	
Sulfide [18496-25-8] ^	0.031	U	mg/L	1	0.031	0.10	1	SM18 4500-S D	10/19/09 16:50	GPW	

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Description: 4103 MW-14
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C911965-04
Sampled: 10/13/09 16:50
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C911965

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
2,4,5-T [93-76-5] ^	0.053	U	ug/L	1	0.053	0.50	2	EPA 8151A	10/23/09 14:07	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.056	U	ug/L	1	0.056	0.50	2	EPA 8151A	10/23/09 14:07	RGG	
2,4-D [94-75-7] ^	0.091	U	ug/L	1	0.091	0.50	2	EPA 8151A	10/23/09 14:07	RGG	
Dinoseb [88-85-7] ^	0.28	U	ug/L	1	0.28	0.50	1	EPA 8151A	10/23/09 14:07	RGG	
Pentachlorophenol [87-86-5] ^	0.043	U	ug/L	1	0.043	0.50	25	EPA 8151A	10/23/09 14:07	RGG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*1.7*	*1*	*2.00*	*85 %*	*68-139*	*9J19002*	*EPA 8151A*	*10/23/09 14:07*	*RGG*	

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

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Description: 4103 II - 1
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912168-01
Sampled: 10/16/09 10:00
Sampled By: Gary Simcox

Received: 10/17/09 09:45
Work Order: C912168

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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/21/09 22:38	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/21/09 22:38	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	10/21/09 22:38	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/21/09 22:38	JKG	
1,1-Dichloroethane [75-34-3] ^	**3.0**	J	ug/L	1	0.33	1.0	5	EPA 8260B	10/21/09 22:38	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	10/21/09 22:38	JKG	
1,1-Dichloropropene [563-58-6] ^	0.32	U	ug/L	1	0.32	1.0	5	EPA 8260B	10/21/09 22:38	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	10/21/09 22:38	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.36	U	ug/L	1	0.36	1.0	10	EPA 8260B	10/21/09 22:38	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/21/09 22:38	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	10/21/09 22:38	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	10/21/09 22:38	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	10/21/09 22:38	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/21/09 22:38	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.30	U	ug/L	1	0.30	1.0	5	EPA 8260B	10/21/09 22:38	JKG	
1,3-Dichloropropane [142-28-9] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/21/09 22:38	JKG	
1,4-Dichlorobenzene [106-46-7] ^	**6.9**		ug/L	1	0.38	1.0	1	EPA 8260B	10/21/09 22:38	JKG	
2,2-Dichloropropane [594-20-7] ^	0.55	U	ug/L	1	0.55	1.0	15	EPA 8260B	10/21/09 22:38	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	10/21/09 22:38	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	10/21/09 22:38	JKG	
3-Chloropropene [107-05-1] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	10/21/09 22:38	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/21/09 22:38	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/21/09 22:38	JKG	
Acetonitrile [75-05-8] ^	2.8	U	ug/L	1	2.8	10	55	EPA 8260B	10/21/09 22:38	JKG	
Acrolein [107-02-8] ^	3.0	U	ug/L	1	3.0	10	53	EPA 8260B	10/21/09 22:38	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	10/21/09 22:38	JKG	
Benzene [71-43-2] ^	**1.4**		ug/L	1	0.20	1.0	1	EPA 8260B	10/21/09 22:38	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	10/21/09 22:38	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/21/09 22:38	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	10/21/09 22:38	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	10/21/09 22:38	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	10/21/09 22:38	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/21/09 22:38	JKG	
Chlorobenzene [108-90-7] ^	**2.9**	J	ug/L	1	0.27	1.0	3	EPA 8260B	10/21/09 22:38	JKG	
Chloroethane [75-00-3] ^	**1.7**	J	ug/L	1	0.30	1.0	10	EPA 8260B	10/21/09 22:38	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	10/21/09 22:38	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	10/21/09 22:38	JKG	
Chloroprene [126-99-8] ^	0.24	U	ug/L	1	0.24	1.0	20	EPA 8260B	10/21/09 22:38	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	**3.0**	J	ug/L	1	0.36	1.0	5	EPA 8260B	10/21/09 22:38	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/21/09 22:38	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	10/21/09 22:38	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	10/21/09 22:38	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.38	U	ug/L	1	0.38	1.0	5	EPA 8260B	10/21/09 22:38	JKG	
Ethyl Methacrylate [97-63-2] ^	0.32	U	ug/L	1	0.32	1.0	10	EPA 8260B	10/21/09 22:38	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/21/09 22:38	JKG	
Hexachlorobutadiene [87-68-3] ^	0.35	U	ug/L	1	0.35	1.0	10	EPA 8260B	10/21/09 22:38	JKG	

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Description: 4103 II - 1
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912168-01
Sampled: 10/16/09 10:00
Sampled By: Gary Simcox

Received: 10/17/09 09:45
Work Order: C912168

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
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	10/21/09 22:38	JKG	
Isobutyl alcohol [78-83-1] ^	14	U	ug/L	1	14	50	100	EPA 8260B	10/21/09 22:38	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.48	U	ug/L	1	0.48	2.0	NE	EPA 8260B	10/21/09 22:38	JKG	
Methacrylonitrile [126-98-7] ^	2.8	U	ug/L	1	2.8	10	100	EPA 8260B	10/21/09 22:38	JKG	
Methyl Methacrylate [80-62-6] ^	0.53	U	ug/L	1	0.53	1.0	30	EPA 8260B	10/21/09 22:38	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	10/21/09 22:38	JKG	
Naphthalene [91-20-3] ^	0.39	U	ug/L	1	0.39	1.0	10	EPA 8260B	10/21/09 22:38	JKG	
o-Xylene [95-47-6] ^	0.27	U	ug/L	1	0.27	1.0	NE	EPA 8260B	10/21/09 22:38	JKG	
Propionitrile [107-12-0] ^	4.8	U	ug/L	1	4.8	10	150	EPA 8260B	10/21/09 22:38	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	10/21/09 22:38	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/21/09 22:38	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/21/09 22:38	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	10/21/09 22:38	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/21/09 22:38	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	10/21/09 22:38	JKG	
Trichloroethene [79-01-6] ^	**0.91**	J	ug/L	1	0.38	1.0	1	EPA 8260B	10/21/09 22:38	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/21/09 22:38	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	10/21/09 22:38	JKG	
Vinyl chloride [75-01-4] ^	**1.6**		ug/L	1	0.30	1.0	1	EPA 8260B	10/21/09 22:38	JKG	
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/21/09 22:38	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*51*	*1*	*50.0*	*103 %*	*51-122*	*9J21028*	*EPA 8260B*	*10/21/09 22:38*	*JKG*	
Dibromofluoromethane	*49*	*1*	*50.0*	*98 %*	*68-117*	*9J21028*	*EPA 8260B*	*10/21/09 22:38*	*JKG*	
Toluene-d8	*52*	*1*	*50.0*	*103 %*	*69-110*	*9J21028*	*EPA 8260B*	*10/21/09 22:38*	*JKG*	

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Description: 4103 II - 1
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912168-01
Sampled: 10/16/09 10:00
Sampled By: Gary Simcox

Received: 10/17/09 09:45
Work Order: C912168

Semivolatile 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
1,2,4,5-Tetrachlorobenzene [95-94-3]	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	10/20/09 21:44	DFM	
1,3,5-Trinitrobenzene [99-35-4]	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/20/09 21:44	DFM	
1,3-Dinitrobenzene [99-65-0]	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	10/20/09 21:44	DFM	
1,4-Naphthoquinone [130-15-4]	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	10/20/09 21:44	DFM	
1,4-Phenylenediamine [106-50-3]	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	10/20/09 21:44	DFM	
1-Naphthylamine [134-32-7]	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	10/20/09 21:44	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/20/09 21:44	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/20/09 21:44	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	10/20/09 21:44	DFM	
2,4-Dichlorophenol [120-83-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/20/09 21:44	DFM	
2,4-Dimethylphenol [105-67-9] ^	2.6	U	ug/L	1	2.6	10	10	EPA 8270D	10/20/09 21:44	DFM	
2,4-Dinitrophenol [51-28-5] ^	2.6	U	ug/L	1	2.6	10	50	EPA 8270D	10/20/09 21:44	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	10/20/09 21:44	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/20/09 21:44	DFM	
2-Acetylaminofluorene [53-96-3]	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	10/20/09 21:44	DFM	QV-01
2-Chloronaphthalene [91-58-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/20/09 21:44	DFM	
2-Chlorophenol [95-57-8] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/20/09 21:44	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	1.9	U	ug/L	1	1.9	10	50	EPA 8270D	10/20/09 21:44	DFM	
2-Methylnaphthalene [91-57-6] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/20/09 21:44	DFM	
2-Methylphenol [95-48-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/20/09 21:44	DFM	
2-Naphthylamine [91-59-8]	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	10/20/09 21:44	DFM	
2-Nitroaniline [88-74-4] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270D	10/20/09 21:44	DFM	
2-Nitrophenol [88-75-5] ^	2.3	U	ug/L	1	2.3	10	10	EPA 8270D	10/20/09 21:44	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.8	U	ug/L	1	1.8	20	10	EPA 8270D	10/20/09 21:44	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	1.7	U	ug/L	1	1.7	10	20	EPA 8270D	10/20/09 21:44	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	10/20/09 21:44	DFM	
3-Methylcholanthrene [56-49-5]	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/20/09 21:44	DFM	
3-Nitroaniline [99-09-2] ^	1.6	U	ug/L	1	1.6	10	50	EPA 8270D	10/20/09 21:44	DFM	
4-Aminobiphenyl [92-67-1]	3.1	U	ug/L	1	3.1	10	20	EPA 8270D	10/20/09 21:44	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/20/09 21:44	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.6	U	ug/L	1	1.6	10	20	EPA 8270D	10/20/09 21:44	DFM	
4-Chloroaniline [106-47-8] ^	1.6	U	ug/L	1	1.6	10	20	EPA 8270D	10/20/09 21:44	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/20/09 21:44	DFM	
4-Nitroaniline [100-01-6] ^	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	10/20/09 21:44	DFM	
4-Nitrophenol [100-02-7] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270D	10/20/09 21:44	DFM	
5-Nitro-o-toluidine [99-55-8]	0.60	U	ug/L	1	0.60	10	10	EPA 8270D	10/20/09 21:44	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6]	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/20/09 21:44	DFM	QV-01
Acenaphthene [83-32-9] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/20/09 21:44	DFM	
Acenaphthylene [208-96-8] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/20/09 21:44	DFM	
Acetophenone [98-86-2]	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/20/09 21:44	DFM	
Benzyl alcohol [100-51-6] ^	2.0	U	ug/L	1	2.0	10	20	EPA 8270D	10/20/09 21:44	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/20/09 21:44	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/20/09 21:44	DFM	
Bis(2-chloroisopropyl)ether [39638-32-9] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270D	10/20/09 21:44	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	2.6	U	ug/L	1	2.6	5.0	15	EPA 8270D	10/20/09 21:44	DFM	
Butylbenzylphthalate [85-68-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/20/09 21:44	DFM	

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Description: 4103 II - 1
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912168-01
Sampled: 10/16/09 10:00
Sampled By: Gary Simcox

Received: 10/17/09 09:45
Work Order: C912168

Semivolatile 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
Dibenzofuran [132-64-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/20/09 21:44	DFM	
Diethylphthalate [84-66-2] ^	0.61	U	ug/L	1	0.61	10	10	EPA 8270D	10/20/09 21:44	DFM	
Dimethylphthalate [131-11-3] ^	0.79	U	ug/L	1	0.79	10	10	EPA 8270D	10/20/09 21:44	DFM	
Di-n-butylphthalate [84-74-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/20/09 21:44	DFM	
Di-n-octylphthalate [117-84-0] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/20/09 21:44	DFM	
Ethyl methanesulfonate [62-50-0] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270D	10/20/09 21:44	DFM	
Fluorene [86-73-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/20/09 21:44	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/20/09 21:44	DFM	
Hexachloroethane [67-72-1] ^	0.97	U	ug/L	1	0.97	10	10	EPA 8270D	10/20/09 21:44	DFM	
Hexachloropropene [1888-71-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/20/09 21:44	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	10/20/09 21:44	DFM	
Isophorone [78-59-1] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	10/20/09 21:44	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/20/09 21:44	DFM	
Methapyrilene [91-80-5] ^	3.8	U	ug/L	1	3.8	10	100	EPA 8270D	10/20/09 21:44	DFM	
Methyl Methanesulfonate [66-27-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/20/09 21:44	DFM	
Nitrobenzene [98-95-3] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/20/09 21:44	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.9	U	ug/L	1	1.9	10	20	EPA 8270D	10/20/09 21:44	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/20/09 21:44	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/20/09 21:44	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270D	10/20/09 21:44	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/20/09 21:44	DFM	
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/20/09 21:44	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270D	10/20/09 21:44	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/20/09 21:44	DFM	
O,O,O-Triethyl phosphorothioate [126-68-1] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/20/09 21:44	DFM	
o-Toluidine [95-53-4] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	10/20/09 21:44	DFM	
Parathion [56-38-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/20/09 21:44	DFM	
p-Dimethylaminoazobenzene [60-11-7]	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/20/09 21:44	DFM	
Phenacetin [62-44-2] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	10/20/09 21:44	DFM	
Phenanthrene [85-01-8] ^	0.74	U	ug/L	1	0.74	10	10	EPA 8270D	10/20/09 21:44	DFM	
Phenol [108-95-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/20/09 21:44	DFM	
Pronamide [23950-58-5] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/20/09 21:44	DFM	
Safrole [94-59-7] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/20/09 21:44	DFM	
Thionazin [297-97-2] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	10/20/09 21:44	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*92*	*1*	*100*	*92 %*	*10-179*	*9J20005*	*EPA 8270D*	*10/20/09 21:44*	*DFM*	
2-Fluorobiphenyl	*39*	*1*	*50.0*	*78 %*	*10-149*	*9J20005*	*EPA 8270D*	*10/20/09 21:44*	*DFM*	
2-Fluorophenol	*59*	*1*	*100*	*59 %*	*10-110*	*9J20005*	*EPA 8270D*	*10/20/09 21:44*	*DFM*	
Nitrobenzene-d5	*39*	*1*	*50.0*	*78 %*	*10-149*	*9J20005*	*EPA 8270D*	*10/20/09 21:44*	*DFM*	
Phenol-d5	*49*	*1*	*100*	*49 %*	*10-88*	*9J20005*	*EPA 8270D*	*10/20/09 21:44*	*DFM*	
Terphenyl-d14	*49*	*1*	*50.0*	*98 %*	*10-188*	*9J20005*	*EPA 8270D*	*10/20/09 21:44*	*DFM*	

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Description: 4103 II - 1
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912168-01
Sampled: 10/16/09 10:00
Sampled By: Gary Simcox

Received: 10/17/09 09:45
Work Order: C912168

Organochlorine Pesticides by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
4,4'-DDD [72-54-8] ^	0.024	U	ug/L	1	0.024	0.050	0.1	EPA 8081B	10/20/09 13:37	JHH	
4,4'-DDE [72-55-9] ^	0.023	U	ug/L	1	0.023	0.050	0.1	EPA 8081B	10/20/09 13:37	JHH	
4,4'-DDT [50-29-3] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	10/20/09 13:37	JHH	
Aldrin [309-00-2] ^	0.012	U	ug/L	1	0.012	0.050	0.05	EPA 8081B	10/20/09 13:37	JHH	
alpha-BHC [319-84-6] ^	0.024	U	ug/L	1	0.024	0.050	0.05	EPA 8081B	10/20/09 13:37	JHH	
beta-BHC [319-85-7] ^	0.028	U	ug/L	1	0.028	0.050	0.05	EPA 8081B	10/20/09 13:37	JHH	
Chlordane (tech) [12789-03-6] ^	0.20	U	ug/L	1	0.20	0.50	0.5	EPA 8081B	10/20/09 13:37	JHH	
Chlordane-alpha [5103-71-9] ^	0.025	U	ug/L	1	0.025	0.050	NE	EPA 8081B	10/20/09 13:37	JHH	
Chlordane-gamma [5103-74-2] ^	0.026	U	ug/L	1	0.026	0.050	NE	EPA 8081B	10/20/09 13:37	JHH	
delta-BHC [319-86-8] ^	0.013	U	ug/L	1	0.013	0.050	0.05	EPA 8081B	10/20/09 13:37	JHH	
Dieldrin [60-57-1] ^	0.0053	U	ug/L	1	0.0053	0.050	0.075	EPA 8081B	10/20/09 13:37	JHH	
Endosulfan I [959-98-8] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	10/20/09 13:37	JHH	
Endosulfan II [33213-65-9] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	10/20/09 13:37	JHH	
Endosulfan sulfate [1031-07-8] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	10/20/09 13:37	JHH	
Endrin [72-20-8] ^	0.0034	U	ug/L	1	0.0034	0.050	0.1	EPA 8081B	10/20/09 13:37	JHH	
Endrin aldehyde [7421-93-4] ^	0.037	U	ug/L	1	0.037	0.050	0.1	EPA 8081B	10/20/09 13:37	JHH	
gamma-BHC [58-89-9] ^	0.0027	U	ug/L	1	0.0027	0.050	0.05	EPA 8081B	10/20/09 13:37	JHH	
Heptachlor [76-44-8] ^	0.0023	U	ug/L	1	0.0023	0.050	0.05	EPA 8081B	10/20/09 13:37	JHH	
Heptachlor epoxide [1024-57-3] ^	0.0056	U	ug/L	1	0.0056	0.050	0.075	EPA 8081B	10/20/09 13:37	JHH	
Methoxychlor [72-43-5] ^	0.044	U	ug/L	1	0.044	0.050	1	EPA 8081B	10/20/09 13:37	JHH	
Toxaphene [8001-35-2] ^	0.22	U	ug/L	1	0.22	0.50	1.5	EPA 8081B	10/20/09 13:37	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.98*	*1*	*1.00*	*98 %*	*39-141*	*9J19005*	*EPA 8081B*	*10/20/09 13:37*	*JHH*	
Decachlorobiphenyl	*0.89*	*1*	*1.00*	*89 %*	*25-163*	*9J19005*	*EPA 8081B*	*10/20/09 13:37*	*JHH*	

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Description: 4103 II - 1
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912168-01
Sampled: 10/16/09 10:00
Sampled By: Gary Simcox

Received: 10/17/09 09:45
Work Order: C912168

Polychlorinated Biphenyls by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
PCB-1016/1242 [12674-11-2/53469-21-9] ^	0.075	U	ug/L	1	0.075	0.50	2	EPA 8082A	10/20/09 13:37	JHH	
PCB-1221 [11104-28-2] ^	0.046	U	ug/L	1	0.046	0.50	NE	EPA 8082A	10/20/09 13:37	JHH	
PCB-1232 [11141-16-5] ^	0.028	U	ug/L	1	0.028	0.50	NE	EPA 8082A	10/20/09 13:37	JHH	
PCB-1248 [12672-29-6] ^	0.014	U	ug/L	1	0.014	0.50	NE	EPA 8082A	10/20/09 13:37	JHH	
PCB-1254 [11097-69-1] ^	0.015	U	ug/L	1	0.015	0.50	NE	EPA 8082A	10/20/09 13:37	JHH	
PCB-1260 [11096-82-5] ^	0.096	U	ug/L	1	0.096	0.50	NE	EPA 8082A	10/20/09 13:37	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.98*	*1*	*1.00*	*98 %*	*39-151*	*9J19005*	*EPA 8082A*	*10/20/09 13:37*	*JHH*	
Decachlorobiphenyl	*0.89*	*1*	*1.00*	*89 %*	*55-118*	*9J19005*	*EPA 8082A*	*10/20/09 13:37*	*JHH*	

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Description: 4103 II - 1
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912168-01
Sampled: 10/16/09 10:00
Sampled By: Gary Simcox

Received: 10/17/09 09:45
Work Order: C912168

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	**0.0541**	J	ug/L	1	0.0540	0.200	0.2	EPA 7470A	10/19/09 17:18	NLH	

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Description: 4103 II - 1
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912168-01
Sampled: 10/16/09 10:00
Sampled By: Gary Simcox

Received: 10/17/09 09:45
Work Order: C912168

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] ^	0.0730	U	ug/L	1	0.0730	2.00	6	EPA 6020A	10/26/09 12:11	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	10/24/09 14:52	JDH	
Barium [7440-39-3] ^	**203**		ug/L	1	1.00	10.0	100	EPA 6010C	10/24/09 14:52	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	10/24/09 14:52	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	10/24/09 14:52	JDH	
Chromium [7440-47-3] ^	**3.69**	J	ug/L	1	1.00	10.0	10	EPA 6010C	10/24/09 14:52	JDH	
Cobalt [7440-48-4] ^	**36.5**		ug/L	1	1.10	10.0	10	EPA 6010C	10/24/09 14:52	JDH	
Copper [7440-50-8] ^	**4.76**	J	ug/L	1	1.60	10.0	10	EPA 6010C	10/24/09 14:52	JDH	
Lead [7439-92-1] ^	**17.2**		ug/L	1	1.90	10.0	10	EPA 6010C	10/24/09 14:52	JDH	
Nickel [7440-02-0] ^	**9.15**	J	ug/L	1	1.80	10.0	50	EPA 6010C	10/24/09 14:52	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	10/24/09 14:52	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/24/09 14:52	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	10/26/09 12:11	VLO	
Tin [7440-31-5] ^	**7.05**	J	ug/L	1	2.10	10.0	100	EPA 6010C	10/24/09 14:52	JDH	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	10/24/09 14:52	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	10/24/09 14:52	JDH	

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Description: 4103 II - 1
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912168-01
Sampled: 10/16/09 10:00
Sampled By: Gary Simcox

Received: 10/17/09 09:45
Work Order: C912168

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Cyanide (total) [57-12-5] ^	0.0047	U	mg/L	1	0.0047	0.0050	10	EPA 335.4	10/22/09 11:00	PEV	
Sulfide [18496-25-8] ^	0.031	U	mg/L	1	0.031	0.10	1	SM18 4500-S D	10/19/09 16:50	GPW	

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Description: 4103 II - 1
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912168-01
Sampled: 10/16/09 10:00
Sampled By: Gary Simcox

Received: 10/17/09 09:45
Work Order: C912168

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
2,4,5-T [93-76-5] ^	0.053	U	ug/L	1	0.053	0.50	2	EPA 8151A	10/22/09 22:52	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.056	U	ug/L	1	0.056	0.50	2	EPA 8151A	10/22/09 22:52	RGG	
2,4-D [94-75-7] ^	0.091	U	ug/L	1	0.091	0.50	2	EPA 8151A	10/22/09 22:52	RGG	
Dinoseb [88-85-7] ^	0.28	U	ug/L	1	0.28	0.50	1	EPA 8151A	10/22/09 22:52	RGG	
Pentachlorophenol [87-86-5] ^	0.043	U	ug/L	1	0.043	0.50	25	EPA 8151A	10/22/09 22:52	RGG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*2.8*	*1*	*2.00*	*141 %*	*68-139*	*9J21002*	*EPA 8151A*	*10/22/09 22:52*	*RGG*	*QS-06a*

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

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Description: 4103 II - 2
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912168-02
Sampled: 10/16/09 12:50
Sampled By: Gary Simcox

Received: 10/17/09 09:45
Work Order: C912168

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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/21/09 23:06	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/21/09 23:06	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	10/21/09 23:06	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/21/09 23:06	JKG	
1,1-Dichloroethane [75-34-3] ^	**17**		ug/L	1	0.33	1.0	5	EPA 8260B	10/21/09 23:06	JKG	
1,1-Dichloroethene [75-35-4] ^	**0.60**	J	ug/L	1	0.24	1.0	5	EPA 8260B	10/21/09 23:06	JKG	
1,1-Dichloropropene [563-58-6] ^	0.32	U	ug/L	1	0.32	1.0	5	EPA 8260B	10/21/09 23:06	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	10/21/09 23:06	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.36	U	ug/L	1	0.36	1.0	10	EPA 8260B	10/21/09 23:06	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/21/09 23:06	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	10/21/09 23:06	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	10/21/09 23:06	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	10/21/09 23:06	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/21/09 23:06	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.30	U	ug/L	1	0.30	1.0	5	EPA 8260B	10/21/09 23:06	JKG	
1,3-Dichloropropane [142-28-9] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/21/09 23:06	JKG	
1,4-Dichlorobenzene [106-46-7] ^	**0.67**	J	ug/L	1	0.38	1.0	1	EPA 8260B	10/21/09 23:06	JKG	
2,2-Dichloropropane [594-20-7] ^	0.55	U	ug/L	1	0.55	1.0	15	EPA 8260B	10/21/09 23:06	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	10/21/09 23:06	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	10/21/09 23:06	JKG	
3-Chloropropene [107-05-1] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	10/21/09 23:06	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/21/09 23:06	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/21/09 23:06	JKG	
Acetonitrile [75-05-8] ^	2.8	U	ug/L	1	2.8	10	55	EPA 8260B	10/21/09 23:06	JKG	
Acrolein [107-02-8] ^	3.0	U	ug/L	1	3.0	10	53	EPA 8260B	10/21/09 23:06	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	10/21/09 23:06	JKG	
Benzene [71-43-2] ^	**1.9**		ug/L	1	0.20	1.0	1	EPA 8260B	10/21/09 23:06	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	10/21/09 23:06	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/21/09 23:06	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	10/21/09 23:06	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	10/21/09 23:06	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	10/21/09 23:06	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/21/09 23:06	JKG	
Chlorobenzene [108-90-7] ^	**0.78**	J	ug/L	1	0.27	1.0	3	EPA 8260B	10/21/09 23:06	JKG	
Chloroethane [75-00-3] ^	**0.61**	J	ug/L	1	0.30	1.0	10	EPA 8260B	10/21/09 23:06	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	10/21/09 23:06	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	10/21/09 23:06	JKG	
Chloroprene [126-99-8] ^	0.24	U	ug/L	1	0.24	1.0	20	EPA 8260B	10/21/09 23:06	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	**20**		ug/L	1	0.36	1.0	5	EPA 8260B	10/21/09 23:06	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/21/09 23:06	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	10/21/09 23:06	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	10/21/09 23:06	JKG	
Dichlorodifluoromethane [75-71-8] ^	**0.99**	J	ug/L	1	0.38	1.0	5	EPA 8260B	10/21/09 23:06	JKG	
Ethyl Methacrylate [97-63-2] ^	0.32	U	ug/L	1	0.32	1.0	10	EPA 8260B	10/21/09 23:06	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/21/09 23:06	JKG	
Hexachlorobutadiene [87-68-3] ^	0.35	U	ug/L	1	0.35	1.0	10	EPA 8260B	10/21/09 23:06	JKG	

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Description: 4103 II - 2
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912168-02
Sampled: 10/16/09 12:50
Sampled By: Gary Simcox

Received: 10/17/09 09:45
Work Order: C912168

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
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	10/21/09 23:06	JKG	
Isobutyl alcohol [78-83-1] ^	14	U	ug/L	1	14	50	100	EPA 8260B	10/21/09 23:06	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.48	U	ug/L	1	0.48	2.0	NE	EPA 8260B	10/21/09 23:06	JKG	
Methacrylonitrile [126-98-7] ^	2.8	U	ug/L	1	2.8	10	100	EPA 8260B	10/21/09 23:06	JKG	
Methyl Methacrylate [80-62-6] ^	0.53	U	ug/L	1	0.53	1.0	30	EPA 8260B	10/21/09 23:06	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	10/21/09 23:06	JKG	
Naphthalene [91-20-3] ^	0.39	U	ug/L	1	0.39	1.0	10	EPA 8260B	10/21/09 23:06	JKG	
o-Xylene [95-47-6] ^	0.27	U	ug/L	1	0.27	1.0	NE	EPA 8260B	10/21/09 23:06	JKG	
Propionitrile [107-12-0] ^	4.8	U	ug/L	1	4.8	10	150	EPA 8260B	10/21/09 23:06	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	10/21/09 23:06	JKG	
Tetrachloroethene [127-18-4] ^	**5.2**		ug/L	1	0.36	1.0	1	EPA 8260B	10/21/09 23:06	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/21/09 23:06	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	10/21/09 23:06	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/21/09 23:06	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	10/21/09 23:06	JKG	
Trichloroethene [79-01-6] ^	**4.7**		ug/L	1	0.38	1.0	1	EPA 8260B	10/21/09 23:06	JKG	
Trichlorofluoromethane [75-69-4] ^	**4.1**		ug/L	1	0.28	1.0	1	EPA 8260B	10/21/09 23:06	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	10/21/09 23:06	JKG	
Vinyl chloride [75-01-4] ^	**5.4**		ug/L	1	0.30	1.0	1	EPA 8260B	10/21/09 23:06	JKG	
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/21/09 23:06	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*52*	*1*	*50.0*	*103 %*	*51-122*	*9J21028*	*EPA 8260B*	*10/21/09 23:06*	*JKG*	
Dibromofluoromethane	*50*	*1*	*50.0*	*101 %*	*68-117*	*9J21028*	*EPA 8260B*	*10/21/09 23:06*	*JKG*	
Toluene-d8	*53*	*1*	*50.0*	*105 %*	*69-110*	*9J21028*	*EPA 8260B*	*10/21/09 23:06*	*JKG*	

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Description: 4103 II - 2
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912168-02
Sampled: 10/16/09 12:50
Sampled By: Gary Simcox

Received: 10/17/09 09:45
Work Order: C912168

Semivolatile 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
1,2,4,5-Tetrachlorobenzene [95-94-3]	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	10/20/09 22:10	DFM	
1,3,5-Trinitrobenzene [99-35-4]	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/20/09 22:10	DFM	
1,3-Dinitrobenzene [99-65-0]	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	10/20/09 22:10	DFM	
1,4-Naphthoquinone [130-15-4]	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	10/20/09 22:10	DFM	
1,4-Phenylenediamine [106-50-3]	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	10/20/09 22:10	DFM	
1-Naphthylamine [134-32-7]	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	10/20/09 22:10	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/20/09 22:10	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/20/09 22:10	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	10/20/09 22:10	DFM	
2,4-Dichlorophenol [120-83-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/20/09 22:10	DFM	
2,4-Dimethylphenol [105-67-9] ^	2.6	U	ug/L	1	2.6	10	10	EPA 8270D	10/20/09 22:10	DFM	
2,4-Dinitrophenol [51-28-5] ^	2.6	U	ug/L	1	2.6	10	50	EPA 8270D	10/20/09 22:10	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	10/20/09 22:10	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/20/09 22:10	DFM	
2-Acetylaminofluorene [53-96-3]	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	10/20/09 22:10	DFM	QV-01
2-Chloronaphthalene [91-58-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/20/09 22:10	DFM	
2-Chlorophenol [95-57-8] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/20/09 22:10	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	1.9	U	ug/L	1	1.9	10	50	EPA 8270D	10/20/09 22:10	DFM	
2-Methylnaphthalene [91-57-6] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/20/09 22:10	DFM	
2-Methylphenol [95-48-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/20/09 22:10	DFM	
2-Naphthylamine [91-59-8]	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	10/20/09 22:10	DFM	
2-Nitroaniline [88-74-4] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270D	10/20/09 22:10	DFM	
2-Nitrophenol [88-75-5] ^	2.3	U	ug/L	1	2.3	10	10	EPA 8270D	10/20/09 22:10	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.8	U	ug/L	1	1.8	20	10	EPA 8270D	10/20/09 22:10	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	1.7	U	ug/L	1	1.7	10	20	EPA 8270D	10/20/09 22:10	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	10/20/09 22:10	DFM	
3-Methylcholanthrene [56-49-5]	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/20/09 22:10	DFM	
3-Nitroaniline [99-09-2] ^	1.6	U	ug/L	1	1.6	10	50	EPA 8270D	10/20/09 22:10	DFM	
4-Aminobiphenyl [92-67-1]	3.1	U	ug/L	1	3.1	10	20	EPA 8270D	10/20/09 22:10	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/20/09 22:10	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.6	U	ug/L	1	1.6	10	20	EPA 8270D	10/20/09 22:10	DFM	
4-Chloroaniline [106-47-8] ^	1.6	U	ug/L	1	1.6	10	20	EPA 8270D	10/20/09 22:10	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/20/09 22:10	DFM	
4-Nitroaniline [100-01-6] ^	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	10/20/09 22:10	DFM	
4-Nitrophenol [100-02-7] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270D	10/20/09 22:10	DFM	
5-Nitro-o-toluidine [99-55-8]	0.60	U	ug/L	1	0.60	10	10	EPA 8270D	10/20/09 22:10	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6]	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/20/09 22:10	DFM	QV-01
Acenaphthene [83-32-9] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/20/09 22:10	DFM	
Acenaphthylene [208-96-8] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/20/09 22:10	DFM	
Acetophenone [98-86-2]	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/20/09 22:10	DFM	
Benzyl alcohol [100-51-6] ^	2.0	U	ug/L	1	2.0	10	20	EPA 8270D	10/20/09 22:10	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/20/09 22:10	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/20/09 22:10	DFM	
Bis(2-chloroisopropyl)ether [39638-32-9] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270D	10/20/09 22:10	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	2.6	U	ug/L	1	2.6	5.0	15	EPA 8270D	10/20/09 22:10	DFM	
Butylbenzylphthalate [85-68-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/20/09 22:10	DFM	

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Description: 4103 II - 2
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912168-02
Sampled: 10/16/09 12:50
Sampled By: Gary Simcox

Received: 10/17/09 09:45
Work Order: C912168

Semivolatile 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
Dibenzofuran [132-64-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/20/09 22:10	DFM	
Diethylphthalate [84-66-2] ^	0.61	U	ug/L	1	0.61	10	10	EPA 8270D	10/20/09 22:10	DFM	
Dimethylphthalate [131-11-3] ^	0.79	U	ug/L	1	0.79	10	10	EPA 8270D	10/20/09 22:10	DFM	
Di-n-butylphthalate [84-74-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/20/09 22:10	DFM	
Di-n-octylphthalate [117-84-0] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/20/09 22:10	DFM	
Ethyl methanesulfonate [62-50-0] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270D	10/20/09 22:10	DFM	
Fluorene [86-73-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/20/09 22:10	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/20/09 22:10	DFM	
Hexachloroethane [67-72-1] ^	0.97	U	ug/L	1	0.97	10	10	EPA 8270D	10/20/09 22:10	DFM	
Hexachloropropene [1888-71-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/20/09 22:10	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	10/20/09 22:10	DFM	
Isophorone [78-59-1] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	10/20/09 22:10	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/20/09 22:10	DFM	
Methapyrilene [91-80-5] ^	3.8	U	ug/L	1	3.8	10	100	EPA 8270D	10/20/09 22:10	DFM	
Methyl Methanesulfonate [66-27-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/20/09 22:10	DFM	
Nitrobenzene [98-95-3] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/20/09 22:10	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.9	U	ug/L	1	1.9	10	20	EPA 8270D	10/20/09 22:10	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/20/09 22:10	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/20/09 22:10	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270D	10/20/09 22:10	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/20/09 22:10	DFM	
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/20/09 22:10	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270D	10/20/09 22:10	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/20/09 22:10	DFM	
O,O,O-Triethyl phosphorothioate [126-68-1] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/20/09 22:10	DFM	
o-Toluidine [95-53-4] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	10/20/09 22:10	DFM	
Parathion [56-38-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/20/09 22:10	DFM	
p-Dimethylaminoazobenzene [60-11-7]	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/20/09 22:10	DFM	
Phenacetin [62-44-2] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	10/20/09 22:10	DFM	
Phenanthrene [85-01-8] ^	0.74	U	ug/L	1	0.74	10	10	EPA 8270D	10/20/09 22:10	DFM	
Phenol [108-95-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/20/09 22:10	DFM	
Pronamide [23950-58-5] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/20/09 22:10	DFM	
Safrole [94-59-7] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/20/09 22:10	DFM	
Thionazin [297-97-2] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	10/20/09 22:10	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*85*	*1*	*100*	*85 %*	*10-179*	*9J20005*	*EPA 8270D*	*10/20/09 22:10*	*DFM*	
2-Fluorobiphenyl	*40*	*1*	*50.0*	*80 %*	*10-149*	*9J20005*	*EPA 8270D*	*10/20/09 22:10*	*DFM*	
2-Fluorophenol	*63*	*1*	*100*	*63 %*	*10-110*	*9J20005*	*EPA 8270D*	*10/20/09 22:10*	*DFM*	
Nitrobenzene-d5	*42*	*1*	*50.0*	*84 %*	*10-149*	*9J20005*	*EPA 8270D*	*10/20/09 22:10*	*DFM*	
Phenol-d5	*51*	*1*	*100*	*51 %*	*10-88*	*9J20005*	*EPA 8270D*	*10/20/09 22:10*	*DFM*	
Terphenyl-d14	*43*	*1*	*50.0*	*86 %*	*10-188*	*9J20005*	*EPA 8270D*	*10/20/09 22:10*	*DFM*	

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Description: 4103 II - 2
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912168-02
Sampled: 10/16/09 12:50
Sampled By: Gary Simcox

Received: 10/17/09 09:45
Work Order: C912168

Organochlorine Pesticides by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
4,4'-DDD [72-54-8] ^	0.024	U	ug/L	1	0.024	0.050	0.1	EPA 8081B	10/20/09 13:50	JHH	
4,4'-DDE [72-55-9] ^	0.023	U	ug/L	1	0.023	0.050	0.1	EPA 8081B	10/20/09 13:50	JHH	
4,4'-DDT [50-29-3] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	10/20/09 13:50	JHH	
Aldrin [309-00-2] ^	0.012	U	ug/L	1	0.012	0.050	0.05	EPA 8081B	10/20/09 13:50	JHH	
alpha-BHC [319-84-6] ^	0.024	U	ug/L	1	0.024	0.050	0.05	EPA 8081B	10/20/09 13:50	JHH	
beta-BHC [319-85-7] ^	0.028	U	ug/L	1	0.028	0.050	0.05	EPA 8081B	10/20/09 13:50	JHH	
Chlordane (tech) [12789-03-6] ^	0.20	U	ug/L	1	0.20	0.50	0.5	EPA 8081B	10/20/09 13:50	JHH	
Chlordane-alpha [5103-71-9] ^	0.025	U	ug/L	1	0.025	0.050	NE	EPA 8081B	10/20/09 13:50	JHH	
Chlordane-gamma [5103-74-2] ^	0.026	U	ug/L	1	0.026	0.050	NE	EPA 8081B	10/20/09 13:50	JHH	
delta-BHC [319-86-8] ^	0.013	U	ug/L	1	0.013	0.050	0.05	EPA 8081B	10/20/09 13:50	JHH	
Dieldrin [60-57-1] ^	0.0053	U	ug/L	1	0.0053	0.050	0.075	EPA 8081B	10/20/09 13:50	JHH	
Endosulfan I [959-98-8] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	10/20/09 13:50	JHH	
Endosulfan II [33213-65-9] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	10/20/09 13:50	JHH	
Endosulfan sulfate [1031-07-8] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	10/20/09 13:50	JHH	
Endrin [72-20-8] ^	0.0034	U	ug/L	1	0.0034	0.050	0.1	EPA 8081B	10/20/09 13:50	JHH	
Endrin aldehyde [7421-93-4] ^	0.037	U	ug/L	1	0.037	0.050	0.1	EPA 8081B	10/20/09 13:50	JHH	
gamma-BHC [58-89-9] ^	0.0027	U	ug/L	1	0.0027	0.050	0.05	EPA 8081B	10/20/09 13:50	JHH	
Heptachlor [76-44-8] ^	0.0023	U	ug/L	1	0.0023	0.050	0.05	EPA 8081B	10/20/09 13:50	JHH	
Heptachlor epoxide [1024-57-3] ^	0.0056	U	ug/L	1	0.0056	0.050	0.075	EPA 8081B	10/20/09 13:50	JHH	
Methoxychlor [72-43-5] ^	0.044	U	ug/L	1	0.044	0.050	1	EPA 8081B	10/20/09 13:50	JHH	
Toxaphene [8001-35-2] ^	0.22	U	ug/L	1	0.22	0.50	1.5	EPA 8081B	10/20/09 13:50	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*1.2*	*1*	*1.00*	*118 %*	*39-141*	*9J19005*	*EPA 8081B*	*10/20/09 13:50*	*JHH*	
Decachlorobiphenyl	*1.2*	*1*	*1.00*	*119 %*	*25-163*	*9J19005*	*EPA 8081B*	*10/20/09 13:50*	*JHH*	

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Description: 4103 II - 2
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912168-02
Sampled: 10/16/09 12:50
Sampled By: Gary Simcox

Received: 10/17/09 09:45
Work Order: C912168

Polychlorinated Biphenyls by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
PCB-1016/1242 [12674-11-2/53469-21-9] ^	0.075	U	ug/L	1	0.075	0.50	2	EPA 8082A	10/20/09 13:50	JHH	
PCB-1221 [11104-28-2] ^	0.046	U	ug/L	1	0.046	0.50	NE	EPA 8082A	10/20/09 13:50	JHH	
PCB-1232 [11141-16-5] ^	0.028	U	ug/L	1	0.028	0.50	NE	EPA 8082A	10/20/09 13:50	JHH	
PCB-1248 [12672-29-6] ^	0.014	U	ug/L	1	0.014	0.50	NE	EPA 8082A	10/20/09 13:50	JHH	
PCB-1254 [11097-69-1] ^	0.015	U	ug/L	1	0.015	0.50	NE	EPA 8082A	10/20/09 13:50	JHH	
PCB-1260 [11096-82-5] ^	0.096	U	ug/L	1	0.096	0.50	NE	EPA 8082A	10/20/09 13:50	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*1.2*	*1*	*1.00*	*118 %*	*39-151*	*9119005*	*EPA 8082A*	*10/20/09 13:50*	*JHH*	
Decachlorobiphenyl	*1.2*	*1*	*1.00*	*119 %*	*55-118*	*9119005*	*EPA 8082A*	*10/20/09 13:50*	*JHH*	*QS-03*

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Description: 4103 II - 2
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912168-02
Sampled: 10/16/09 12:50
Sampled By: Gary Simcox

Received: 10/17/09 09:45
Work Order: C912168

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.0540	U	ug/L	1	0.0540	0.200	0.2	EPA 7470A	10/19/09 17:22	NLH	

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Description: 4103 II - 2
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912168-02
Sampled: 10/16/09 12:50
Sampled By: Gary Simcox

Received: 10/17/09 09:45
Work Order: C912168

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] ^	0.0730	U	ug/L	1	0.0730	2.00	6	EPA 6020A	10/26/09 12:15	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	10/24/09 14:56	JDH	
Barium [7440-39-3] ^	**41.2**	J	ug/L	1	1.00	10.0	100	EPA 6010C	10/24/09 14:56	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	10/24/09 14:56	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	10/24/09 14:56	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	10/24/09 14:56	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	10/24/09 14:56	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	10/24/09 14:56	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/24/09 14:56	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	10/24/09 14:56	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	10/24/09 14:56	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/24/09 14:56	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	10/26/09 12:15	VLO	
Tin [7440-31-5] ^	**5.20**	J	ug/L	1	2.10	10.0	100	EPA 6010C	10/24/09 14:56	JDH	
Vanadium [7440-62-2] ^	**4.06**	J	ug/L	1	1.40	10.0	25	EPA 6010C	10/24/09 14:56	JDH	
Zinc [7440-66-6] ^	**8.88**	J	ug/L	1	3.80	10.0	10	EPA 6010C	10/24/09 14:56	JDH	

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Description: 4103 II - 2
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912168-02
Sampled: 10/16/09 12:50
Sampled By: Gary Simcox

Received: 10/17/09 09:45
Work Order: C912168

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Cyanide (total) [57-12-5] ^	0.0047	U	mg/L	1	0.0047	0.0050	10	EPA 335.4	10/22/09 11:02	PEV	
Sulfide [18496-25-8] ^	0.031	U	mg/L	1	0.031	0.10	1	SM18 4500-S D	10/19/09 16:50	GPW	

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Description: 4103 II - 2
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912168-02
Sampled: 10/16/09 12:50
Sampled By: Gary Simcox

Received: 10/17/09 09:45
Work Order: C912168

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
2,4,5-T [93-76-5] ^	0.053	U	ug/L	1	0.053	0.50	2	EPA 8151A	10/22/09 23:17	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.056	U	ug/L	1	0.056	0.50	2	EPA 8151A	10/22/09 23:17	RGG	
2,4-D [94-75-7] ^	0.091	U	ug/L	1	0.091	0.50	2	EPA 8151A	10/22/09 23:17	RGG	
Dinoseb [88-85-7] ^	0.28	U	ug/L	1	0.28	0.50	1	EPA 8151A	10/22/09 23:17	RGG	
Pentachlorophenol [87-86-5] ^	0.043	U	ug/L	1	0.043	0.50	25	EPA 8151A	10/22/09 23:17	RGG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*1.8*	*1*	*2.00*	*89 %*	*68-139*	*9121002*	*EPA 8151A*	*10/22/09 23:17*	*RGG*	

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

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Description: 4103 Trip Blank #2
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912168-03
Sampled: 10/16/09 12:50
Sampled By: Gary Simcox

Received: 10/17/09 09:45
Work Order: C912168

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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/21/09 22:09	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/21/09 22:09	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	10/21/09 22:09	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/21/09 22:09	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	10/21/09 22:09	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	10/21/09 22:09	JKG	
1,1-Dichloropropene [563-58-6] ^	0.32	U	ug/L	1	0.32	1.0	5	EPA 8260B	10/21/09 22:09	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	10/21/09 22:09	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.36	U	ug/L	1	0.36	1.0	10	EPA 8260B	10/21/09 22:09	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/21/09 22:09	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	10/21/09 22:09	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	10/21/09 22:09	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	10/21/09 22:09	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/21/09 22:09	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.30	U	ug/L	1	0.30	1.0	5	EPA 8260B	10/21/09 22:09	JKG	
1,3-Dichloropropane [142-28-9] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/21/09 22:09	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/21/09 22:09	JKG	
2,2-Dichloropropane [594-20-7] ^	0.55	U	ug/L	1	0.55	1.0	15	EPA 8260B	10/21/09 22:09	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	10/21/09 22:09	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	10/21/09 22:09	JKG	
3-Chloropropene [107-05-1] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	10/21/09 22:09	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/21/09 22:09	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/21/09 22:09	JKG	
Acetonitrile [75-05-8] ^	2.8	U	ug/L	1	2.8	10	55	EPA 8260B	10/21/09 22:09	JKG	
Acrolein [107-02-8] ^	3.0	U	ug/L	1	3.0	10	53	EPA 8260B	10/21/09 22:09	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	10/21/09 22:09	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/21/09 22:09	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	10/21/09 22:09	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/21/09 22:09	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	10/21/09 22:09	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	10/21/09 22:09	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	10/21/09 22:09	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/21/09 22:09	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/21/09 22:09	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	10/21/09 22:09	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	10/21/09 22:09	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	10/21/09 22:09	JKG	
Chloroprene [126-99-8] ^	0.24	U	ug/L	1	0.24	1.0	20	EPA 8260B	10/21/09 22:09	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	10/21/09 22:09	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/21/09 22:09	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	10/21/09 22:09	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	10/21/09 22:09	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.38	U	ug/L	1	0.38	1.0	5	EPA 8260B	10/21/09 22:09	JKG	
Ethyl Methacrylate [97-63-2] ^	0.32	U	ug/L	1	0.32	1.0	10	EPA 8260B	10/21/09 22:09	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/21/09 22:09	JKG	
Hexachlorobutadiene [87-68-3] ^	0.35	U	ug/L	1	0.35	1.0	10	EPA 8260B	10/21/09 22:09	JKG	

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Description: 4103 Trip Blank #2
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912168-03
Sampled: 10/16/09 12:50
Sampled By: Gary Simcox

Received: 10/17/09 09:45
Work Order: C912168

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
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	10/21/09 22:09	JKG	
Isobutyl alcohol [78-83-1] ^	14	U	ug/L	1	14	50	100	EPA 8260B	10/21/09 22:09	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.48	U	ug/L	1	0.48	2.0	NE	EPA 8260B	10/21/09 22:09	JKG	
Methacrylonitrile [126-98-7] ^	2.8	U	ug/L	1	2.8	10	100	EPA 8260B	10/21/09 22:09	JKG	
Methyl Methacrylate [80-62-6] ^	0.53	U	ug/L	1	0.53	1.0	30	EPA 8260B	10/21/09 22:09	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	10/21/09 22:09	JKG	
Naphthalene [91-20-3] ^	0.39	U	ug/L	1	0.39	1.0	10	EPA 8260B	10/21/09 22:09	JKG	
o-Xylene [95-47-6] ^	0.27	U	ug/L	1	0.27	1.0	NE	EPA 8260B	10/21/09 22:09	JKG	
Propionitrile [107-12-0] ^	4.8	U	ug/L	1	4.8	10	150	EPA 8260B	10/21/09 22:09	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	10/21/09 22:09	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/21/09 22:09	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/21/09 22:09	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	10/21/09 22:09	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/21/09 22:09	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	10/21/09 22:09	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/21/09 22:09	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/21/09 22:09	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	10/21/09 22:09	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	10/21/09 22:09	JKG	
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/21/09 22:09	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*51*	*1*	*50.0*	*102 %*	*51-122*	*9J21028*	*EPA 8260B*	*10/21/09 22:09*	*JKG*	
Dibromofluoromethane	*50*	*1*	*50.0*	*100 %*	*68-117*	*9J21028*	*EPA 8260B*	*10/21/09 22:09*	*JKG*	
Toluene-d8	*52*	*1*	*50.0*	*103 %*	*69-110*	*9J21028*	*EPA 8260B*	*10/21/09 22:09*	*JKG*	

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

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Description: 4103 II - 4
Matrix: Ground Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912222-01
Sampled: 10/19/09 17:05
Sampled By: Client

Received: 10/20/09 11:00
Work Order: C912222

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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/21/09 23:35	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/21/09 23:35	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	10/21/09 23:35	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/21/09 23:35	JKG	
1,1-Dichloroethane [75-34-3] ^	**2.2**	J	ug/L	1	0.33	1.0	5	EPA 8260B	10/21/09 23:35	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	10/21/09 23:35	JKG	
1,1-Dichloropropene [563-58-6] ^	0.32	U	ug/L	1	0.32	1.0	5	EPA 8260B	10/21/09 23:35	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	10/21/09 23:35	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.36	U	ug/L	1	0.36	1.0	10	EPA 8260B	10/21/09 23:35	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/21/09 23:35	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	10/21/09 23:35	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	10/21/09 23:35	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	10/21/09 23:35	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/21/09 23:35	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.30	U	ug/L	1	0.30	1.0	5	EPA 8260B	10/21/09 23:35	JKG	
1,3-Dichloropropane [142-28-9] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/21/09 23:35	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/21/09 23:35	JKG	
2,2-Dichloropropane [594-20-7] ^	0.55	U	ug/L	1	0.55	1.0	15	EPA 8260B	10/21/09 23:35	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	10/21/09 23:35	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	10/21/09 23:35	JKG	
3-Chloropropene [107-05-1] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	10/21/09 23:35	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/21/09 23:35	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/21/09 23:35	JKG	
Acetonitrile [75-05-8] ^	2.8	U	ug/L	1	2.8	10	55	EPA 8260B	10/21/09 23:35	JKG	
Acrolein [107-02-8] ^	3.0	U	ug/L	1	3.0	10	53	EPA 8260B	10/21/09 23:35	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	10/21/09 23:35	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/21/09 23:35	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	10/21/09 23:35	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/21/09 23:35	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	10/21/09 23:35	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	10/21/09 23:35	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	10/21/09 23:35	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/21/09 23:35	JKG	
Chlorobenzene [108-90-7] ^	**0.40**	J	ug/L	1	0.27	1.0	3	EPA 8260B	10/21/09 23:35	JKG	
Chloroethane [75-00-3] ^	**0.73**	J	ug/L	1	0.30	1.0	10	EPA 8260B	10/21/09 23:35	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	10/21/09 23:35	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	10/21/09 23:35	JKG	
Chloroprene [126-99-8] ^	0.24	U	ug/L	1	0.24	1.0	20	EPA 8260B	10/21/09 23:35	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	**0.47**	J	ug/L	1	0.36	1.0	5	EPA 8260B	10/21/09 23:35	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/21/09 23:35	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	10/21/09 23:35	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	10/21/09 23:35	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.38	U	ug/L	1	0.38	1.0	5	EPA 8260B	10/21/09 23:35	JKG	
Ethyl Methacrylate [97-63-2] ^	0.32	U	ug/L	1	0.32	1.0	10	EPA 8260B	10/21/09 23:35	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/21/09 23:35	JKG	
Hexachlorobutadiene [87-68-3] ^	0.35	U	ug/L	1	0.35	1.0	10	EPA 8260B	10/21/09 23:35	JKG	

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Description: 4103 II - 4
Matrix: Ground Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912222-01
Sampled: 10/19/09 17:05
Sampled By: Client

Received: 10/20/09 11:00
Work Order: C912222

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
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	10/21/09 23:35	JKG	
Isobutyl alcohol [78-83-1] ^	14	U	ug/L	1	14	50	100	EPA 8260B	10/21/09 23:35	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.48	U	ug/L	1	0.48	2.0	NE	EPA 8260B	10/21/09 23:35	JKG	
Methacrylonitrile [126-98-7] ^	2.8	U	ug/L	1	2.8	10	100	EPA 8260B	10/21/09 23:35	JKG	
Methyl Methacrylate [80-62-6] ^	0.53	U	ug/L	1	0.53	1.0	30	EPA 8260B	10/21/09 23:35	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	10/21/09 23:35	JKG	
Naphthalene [91-20-3] ^	0.39	U	ug/L	1	0.39	1.0	10	EPA 8260B	10/21/09 23:35	JKG	
o-Xylene [95-47-6] ^	0.27	U	ug/L	1	0.27	1.0	NE	EPA 8260B	10/21/09 23:35	JKG	
Propionitrile [107-12-0] ^	4.8	U	ug/L	1	4.8	10	150	EPA 8260B	10/21/09 23:35	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	10/21/09 23:35	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/21/09 23:35	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/21/09 23:35	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	10/21/09 23:35	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/21/09 23:35	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	10/21/09 23:35	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/21/09 23:35	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/21/09 23:35	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	10/21/09 23:35	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	10/21/09 23:35	JKG	
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/21/09 23:35	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*52*	*1*	*50.0*	*104 %*	*51-122*	*9J21028*	*EPA 8260B*	*10/21/09 23:35*	*JKG*	
Dibromofluoromethane	*50*	*1*	*50.0*	*101 %*	*68-117*	*9J21028*	*EPA 8260B*	*10/21/09 23:35*	*JKG*	
Toluene-d8	*52*	*1*	*50.0*	*104 %*	*69-110*	*9J21028*	*EPA 8260B*	*10/21/09 23:35*	*JKG*	

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Description: 4103 II - 4
Matrix: Ground Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912222-01
Sampled: 10/19/09 17:05
Sampled By: Client

Received: 10/20/09 11:00
Work Order: C912222

Semivolatile 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
1,2,4,5-Tetrachlorobenzene [95-94-3]	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	10/30/09 09:56	DFM	
1,3,5-Trinitrobenzene [99-35-4]	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/30/09 09:56	DFM	
1,3-Dinitrobenzene [99-65-0]	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	10/30/09 09:56	DFM	
1,4-Naphthoquinone [130-15-4]	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	10/30/09 09:56	DFM	
1,4-Phenylenediamine [106-50-3]	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	10/30/09 09:56	DFM	
1-Naphthylamine [134-32-7]	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	10/30/09 09:56	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/30/09 09:56	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/30/09 09:56	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	10/30/09 09:56	DFM	
2,4-Dichlorophenol [120-83-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/30/09 09:56	DFM	
2,4-Dimethylphenol [105-67-9] ^	2.6	U	ug/L	1	2.6	10	10	EPA 8270D	10/30/09 09:56	DFM	
2,4-Dinitrophenol [51-28-5] ^	2.6	U	ug/L	1	2.6	10	50	EPA 8270D	10/30/09 09:56	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	10/30/09 09:56	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/30/09 09:56	DFM	
2-Acetylaminofluorene [53-96-3]	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	10/30/09 09:56	DFM	
2-Chloronaphthalene [91-58-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/30/09 09:56	DFM	
2-Chlorophenol [95-57-8] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/30/09 09:56	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	1.9	U	ug/L	1	1.9	10	50	EPA 8270D	10/30/09 09:56	DFM	
2-Methylnaphthalene [91-57-6] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/30/09 09:56	DFM	
2-Methylphenol [95-48-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/30/09 09:56	DFM	
2-Naphthylamine [91-59-8]	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	10/30/09 09:56	DFM	
2-Nitroaniline [88-74-4] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270D	10/30/09 09:56	DFM	
2-Nitrophenol [88-75-5] ^	2.3	U	ug/L	1	2.3	10	10	EPA 8270D	10/30/09 09:56	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.8	U	ug/L	1	1.8	20	10	EPA 8270D	10/30/09 09:56	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	1.7	U	ug/L	1	1.7	10	20	EPA 8270D	10/30/09 09:56	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	10/30/09 09:56	DFM	
3-Methylcholanthrene [56-49-5]	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/30/09 09:56	DFM	
3-Nitroaniline [99-09-2] ^	1.6	U	ug/L	1	1.6	10	50	EPA 8270D	10/30/09 09:56	DFM	
4-Aminobiphenyl [92-67-1]	3.1	U	ug/L	1	3.1	10	20	EPA 8270D	10/30/09 09:56	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/30/09 09:56	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.6	U	ug/L	1	1.6	10	20	EPA 8270D	10/30/09 09:56	DFM	
4-Chloroaniline [106-47-8] ^	1.6	U	ug/L	1	1.6	10	20	EPA 8270D	10/30/09 09:56	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/30/09 09:56	DFM	
4-Nitroaniline [100-01-6] ^	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	10/30/09 09:56	DFM	
4-Nitrophenol [100-02-7] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270D	10/30/09 09:56	DFM	
5-Nitro-o-toluidine [99-55-8]	0.60	U	ug/L	1	0.60	10	10	EPA 8270D	10/30/09 09:56	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6]	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/30/09 09:56	DFM	QV-01
Acenaphthene [83-32-9] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/30/09 09:56	DFM	
Acenaphthylene [208-96-8] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/30/09 09:56	DFM	
Acetophenone [98-86-2]	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/30/09 09:56	DFM	
Benzyl alcohol [100-51-6] ^	2.0	U	ug/L	1	2.0	10	20	EPA 8270D	10/30/09 09:56	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/30/09 09:56	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/30/09 09:56	DFM	
Bis(2-chloroisopropyl)ether [39638-32-9] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270D	10/30/09 09:56	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	2.6	U	ug/L	1	2.6	5.0	15	EPA 8270D	10/30/09 09:56	DFM	
Butylbenzylphthalate [85-68-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/30/09 09:56	DFM	

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Description: 4103 II - 4
Matrix: Ground Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912222-01
Sampled: 10/19/09 17:05
Sampled By: Client

Received: 10/20/09 11:00
Work Order: C912222

Semivolatile 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
Dibenzofuran [132-64-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/30/09 09:56	DFM	
Diethylphthalate [84-66-2] ^	0.61	U	ug/L	1	0.61	10	10	EPA 8270D	10/30/09 09:56	DFM	
Dimethylphthalate [131-11-3] ^	0.79	U	ug/L	1	0.79	10	10	EPA 8270D	10/30/09 09:56	DFM	
Di-n-butylphthalate [84-74-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/30/09 09:56	DFM	
Di-n-octylphthalate [117-84-0] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/30/09 09:56	DFM	QV-01
Ethyl methanesulfonate [62-50-0] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270D	10/30/09 09:56	DFM	
Fluorene [86-73-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/30/09 09:56	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/30/09 09:56	DFM	
Hexachloroethane [67-72-1] ^	0.97	U	ug/L	1	0.97	10	10	EPA 8270D	10/30/09 09:56	DFM	
Hexachloropropene [1888-71-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/30/09 09:56	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	10/30/09 09:56	DFM	
Isophorone [78-59-1] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	10/30/09 09:56	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/30/09 09:56	DFM	
Methapyrilene [91-80-5] ^	3.8	U	ug/L	1	3.8	10	100	EPA 8270D	10/30/09 09:56	DFM	
Methyl Methanesulfonate [66-27-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/30/09 09:56	DFM	
Nitrobenzene [98-95-3] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/30/09 09:56	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.9	U	ug/L	1	1.9	10	20	EPA 8270D	10/30/09 09:56	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/30/09 09:56	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/30/09 09:56	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270D	10/30/09 09:56	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/30/09 09:56	DFM	
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/30/09 09:56	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270D	10/30/09 09:56	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/30/09 09:56	DFM	
O,O,O-Triethyl phosphorothioate [126-68-1] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/30/09 09:56	DFM	
o-Toluidine [95-53-4] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	10/30/09 09:56	DFM	
Parathion [56-38-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/30/09 09:56	DFM	
p-Dimethylaminoazobenzene [60-11-7]	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/30/09 09:56	DFM	
Phenacetin [62-44-2] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	10/30/09 09:56	DFM	
Phenanthrene [85-01-8] ^	0.74	U	ug/L	1	0.74	10	10	EPA 8270D	10/30/09 09:56	DFM	
Phenol [108-95-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/30/09 09:56	DFM	
Pronamide [23950-58-5] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/30/09 09:56	DFM	
Safrole [94-59-7] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/30/09 09:56	DFM	
Thionazin [297-97-2] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	10/30/09 09:56	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*88*	*1*	*100*	*88 %*	*10-179*	*9J20005*	*EPA 8270D*	*10/30/09 09:56*	*DFM*	
2-Fluorobiphenyl	*42*	*1*	*50.0*	*84 %*	*10-149*	*9J20005*	*EPA 8270D*	*10/30/09 09:56*	*DFM*	
2-Fluorophenol	*58*	*1*	*100*	*58 %*	*10-110*	*9J20005*	*EPA 8270D*	*10/30/09 09:56*	*DFM*	
Nitrobenzene-d5	*38*	*1*	*50.0*	*76 %*	*10-149*	*9J20005*	*EPA 8270D*	*10/30/09 09:56*	*DFM*	
Phenol-d5	*48*	*1*	*100*	*48 %*	*10-88*	*9J20005*	*EPA 8270D*	*10/30/09 09:56*	*DFM*	
Terphenyl-d14	*42*	*1*	*50.0*	*84 %*	*10-188*	*9J20005*	*EPA 8270D*	*10/30/09 09:56*	*DFM*	

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Description: 4103 II - 4
Matrix: Ground Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912222-01
Sampled: 10/19/09 17:05
Sampled By: Client

Received: 10/20/09 11:00
Work Order: C912222

Organochlorine Pesticides by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
4,4'-DDD [72-54-8] ^	0.024	U	ug/L	1	0.024	0.050	0.1	EPA 8081B	10/23/09 13:24	JHH	
4,4'-DDE [72-55-9] ^	0.023	U	ug/L	1	0.023	0.050	0.1	EPA 8081B	10/23/09 13:24	JHH	
4,4'-DDT [50-29-3] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	10/23/09 13:24	JHH	
Aldrin [309-00-2] ^	0.012	U	ug/L	1	0.012	0.050	0.05	EPA 8081B	10/23/09 13:24	JHH	
alpha-BHC [319-84-6] ^	0.024	U	ug/L	1	0.024	0.050	0.05	EPA 8081B	10/23/09 13:24	JHH	
beta-BHC [319-85-7] ^	0.028	U	ug/L	1	0.028	0.050	0.05	EPA 8081B	10/23/09 13:24	JHH	
Chlordane (tech) [12789-03-6] ^	0.20	U	ug/L	1	0.20	0.50	0.5	EPA 8081B	10/23/09 13:24	JHH	
Chlordane-alpha [5103-71-9] ^	0.025	U	ug/L	1	0.025	0.050	NE	EPA 8081B	10/23/09 13:24	JHH	
Chlordane-gamma [5103-74-2] ^	0.026	U	ug/L	1	0.026	0.050	NE	EPA 8081B	10/23/09 13:24	JHH	
delta-BHC [319-86-8] ^	0.013	U	ug/L	1	0.013	0.050	0.05	EPA 8081B	10/23/09 13:24	JHH	
Dieldrin [60-57-1] ^	0.0053	U	ug/L	1	0.0053	0.050	0.075	EPA 8081B	10/23/09 13:24	JHH	
Endosulfan I [959-98-8] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	10/23/09 13:24	JHH	
Endosulfan II [33213-65-9] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	10/23/09 13:24	JHH	
Endosulfan sulfate [1031-07-8] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	10/23/09 13:24	JHH	
Endrin [72-20-8] ^	0.0034	U	ug/L	1	0.0034	0.050	0.1	EPA 8081B	10/23/09 13:24	JHH	
Endrin aldehyde [7421-93-4] ^	0.037	U	ug/L	1	0.037	0.050	0.1	EPA 8081B	10/23/09 13:24	JHH	
gamma-BHC [58-89-9] ^	0.0027	U	ug/L	1	0.0027	0.050	0.05	EPA 8081B	10/23/09 13:24	JHH	
Heptachlor [76-44-8] ^	0.0023	U	ug/L	1	0.0023	0.050	0.05	EPA 8081B	10/23/09 13:24	JHH	
Heptachlor epoxide [1024-57-3] ^	0.0056	U	ug/L	1	0.0056	0.050	0.075	EPA 8081B	10/23/09 13:24	JHH	
Methoxychlor [72-43-5] ^	0.044	U	ug/L	1	0.044	0.050	1	EPA 8081B	10/23/09 13:24	JHH	
Toxaphene [8001-35-2] ^	0.22	U	ug/L	1	0.22	0.50	1.5	EPA 8081B	10/23/09 13:24	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.97*	*1*	*1.00*	*97 %*	*39-141*	*9122003*	*EPA 8081B*	*10/23/09 13:24*	*JHH*	
Decachlorobiphenyl	*0.83*	*1*	*1.00*	*83 %*	*25-163*	*9122003*	*EPA 8081B*	*10/23/09 13:24*	*JHH*	

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Description: 4103 II - 4
Matrix: Ground Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912222-01
Sampled: 10/19/09 17:05
Sampled By: Client

Received: 10/20/09 11:00
Work Order: C912222

Polychlorinated Biphenyls by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
PCB-1016/1242 [12674-11-2/53469-21-9] ^	0.075	U	ug/L	1	0.075	0.50	2	EPA 8082A	10/23/09 13:24	JHH	
PCB-1221 [11104-28-2] ^	0.046	U	ug/L	1	0.046	0.50	NE	EPA 8082A	10/23/09 13:24	JHH	
PCB-1232 [11141-16-5] ^	0.028	U	ug/L	1	0.028	0.50	NE	EPA 8082A	10/23/09 13:24	JHH	
PCB-1248 [12672-29-6] ^	0.014	U	ug/L	1	0.014	0.50	NE	EPA 8082A	10/23/09 13:24	JHH	
PCB-1254 [11097-69-1] ^	0.015	U	ug/L	1	0.015	0.50	NE	EPA 8082A	10/23/09 13:24	JHH	
PCB-1260 [11096-82-5] ^	0.096	U	ug/L	1	0.096	0.50	NE	EPA 8082A	10/23/09 13:24	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.97*	*1*	*1.00*	*97 %*	*39-151*	*9J22003*	*EPA 8082A*	*10/23/09 13:24*	*JHH*	
Decachlorobiphenyl	*0.83*	*1*	*1.00*	*83 %*	*55-118*	*9J22003*	*EPA 8082A*	*10/23/09 13:24*	*JHH*	

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Description: 4103 II - 4
Matrix: Ground Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912222-01
Sampled: 10/19/09 17:05
Sampled By: Client

Received: 10/20/09 11:00
Work Order: C912222

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.0540	U	ug/L	1	0.0540	0.200	0.2	EPA 7470A	10/22/09 15:56	NLH	

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Description: 4103 II - 4
Matrix: Ground Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912222-01
Sampled: 10/19/09 17:05
Sampled By: Client

Received: 10/20/09 11:00
Work Order: C912222

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] ^	0.0730	U	ug/L	1	0.0730	2.00	6	EPA 6020A	10/26/09 12:18	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	10/27/09 19:13	JDH	
Barium [7440-39-3] ^	**485**		ug/L	1	1.00	10.0	100	EPA 6010C	10/27/09 19:13	JDH	
Beryllium [7440-41-7] ^	**0.153**	J	ug/L	1	0.100	1.00	1	EPA 6010C	10/27/09 19:13	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	10/27/09 19:13	JDH	
Chromium [7440-47-3] ^	**14.2**		ug/L	1	1.00	10.0	10	EPA 6010C	10/27/09 19:13	JDH	
Cobalt [7440-48-4] ^	**14.7**		ug/L	1	1.10	10.0	10	EPA 6010C	10/27/09 19:13	JDH	
Copper [7440-50-8] ^	**58.5**		ug/L	1	1.60	10.0	10	EPA 6010C	10/27/09 19:13	JDH	
Lead [7439-92-1] ^	**1.93**	J	ug/L	1	1.90	10.0	10	EPA 6010C	10/27/09 19:13	JDH	
Nickel [7440-02-0] ^	**25.8**	J	ug/L	1	1.80	10.0	50	EPA 6010C	10/27/09 19:13	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	10/27/09 19:13	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/27/09 19:13	JDH	
Thallium [7440-28-0] ^	**0.110**	J	ug/L	1	0.110	1.00	5.5	EPA 6020A	10/26/09 12:18	VLO	
Tin [7440-31-5] ^	**5.66**	J	ug/L	1	2.10	10.0	100	EPA 6010C	10/27/09 19:13	JDH	
Vanadium [7440-62-2] ^	**79.1**		ug/L	1	1.40	10.0	25	EPA 6010C	10/27/09 19:13	JDH	
Zinc [7440-66-6] ^	**91.1**		ug/L	1	3.80	10.0	10	EPA 6010C	10/27/09 19:13	JDH	

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Description: 4103 II - 4
Matrix: Ground Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912222-01
Sampled: 10/19/09 17:05
Sampled By: Client

Received: 10/20/09 11:00
Work Order: C912222

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Cyanide (total) [57-12-5] ^	0.0047	U	mg/L	1	0.0047	0.0050	10	EPA 335.4	10/22/09 11:04	PEV	
Sulfide [18496-25-8] ^	0.031	U	mg/L	1	0.031	0.10	1	SM18 4500-S D	10/23/09 14:20	AJB	

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Description: 4103 II - 4
Matrix: Ground Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912222-01
Sampled: 10/19/09 17:05
Sampled By: Client

Received: 10/20/09 11:00
Work Order: C912222

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
2,4,5-T [93-76-5] ^	0.053	U	ug/L	1	0.053	0.50	2	EPA 8151A	10/27/09 02:33	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.056	U	ug/L	1	0.056	0.50	2	EPA 8151A	10/27/09 02:33	RGG	
2,4-D [94-75-7] ^	0.091	U	ug/L	1	0.091	0.50	2	EPA 8151A	10/27/09 02:33	RGG	
Dinoseb [88-85-7] ^	0.28	U	ug/L	1	0.28	0.50	1	EPA 8151A	10/27/09 02:33	RGG	
Pentachlorophenol [87-86-5] ^	0.043	U	ug/L	1	0.043	0.50	25	EPA 8151A	10/27/09 02:33	RGG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*2.0*	*1*	*2.00*	*99 %*	*68-139*	*9122019*	*EPA 8151A*	*10/27/09 02:33*	*RGG*	

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

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Description: 4103 II - 7
Matrix: Ground Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912222-02
Sampled: 10/19/09 12:45
Sampled By: Client

Received: 10/20/09 11:00
Work Order: C912222

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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/22/09 00:04	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/22/09 00:04	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	10/22/09 00:04	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/22/09 00:04	JKG	
1,1-Dichloroethane [75-34-3] ^	**1.7**	J	ug/L	1	0.33	1.0	5	EPA 8260B	10/22/09 00:04	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	10/22/09 00:04	JKG	
1,1-Dichloropropene [563-58-6] ^	0.32	U	ug/L	1	0.32	1.0	5	EPA 8260B	10/22/09 00:04	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	10/22/09 00:04	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.36	U	ug/L	1	0.36	1.0	10	EPA 8260B	10/22/09 00:04	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/22/09 00:04	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	10/22/09 00:04	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	10/22/09 00:04	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	10/22/09 00:04	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/22/09 00:04	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.30	U	ug/L	1	0.30	1.0	5	EPA 8260B	10/22/09 00:04	JKG	
1,3-Dichloropropane [142-28-9] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/22/09 00:04	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/22/09 00:04	JKG	
2,2-Dichloropropane [594-20-7] ^	0.55	U	ug/L	1	0.55	1.0	15	EPA 8260B	10/22/09 00:04	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	10/22/09 00:04	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	10/22/09 00:04	JKG	
3-Chloropropene [107-05-1] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	10/22/09 00:04	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/22/09 00:04	JKG	
Acetone [67-64-1] ^	**2.4**	J	ug/L	1	1.5	5.0	100	EPA 8260B	10/22/09 00:04	JKG	
Acetonitrile [75-05-8] ^	2.8	U	ug/L	1	2.8	10	55	EPA 8260B	10/22/09 00:04	JKG	
Acrolein [107-02-8] ^	3.0	U	ug/L	1	3.0	10	53	EPA 8260B	10/22/09 00:04	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	10/22/09 00:04	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/22/09 00:04	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	10/22/09 00:04	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/22/09 00:04	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	10/22/09 00:04	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	10/22/09 00:04	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	10/22/09 00:04	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/22/09 00:04	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/22/09 00:04	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	10/22/09 00:04	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	10/22/09 00:04	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	10/22/09 00:04	JKG	
Chloroprene [126-99-8] ^	0.24	U	ug/L	1	0.24	1.0	20	EPA 8260B	10/22/09 00:04	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	**0.94**	J	ug/L	1	0.36	1.0	5	EPA 8260B	10/22/09 00:04	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/22/09 00:04	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	10/22/09 00:04	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	10/22/09 00:04	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.38	U	ug/L	1	0.38	1.0	5	EPA 8260B	10/22/09 00:04	JKG	
Ethyl Methacrylate [97-63-2] ^	0.32	U	ug/L	1	0.32	1.0	10	EPA 8260B	10/22/09 00:04	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/22/09 00:04	JKG	
Hexachlorobutadiene [87-68-3] ^	0.35	U	ug/L	1	0.35	1.0	10	EPA 8260B	10/22/09 00:04	JKG	

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Description: 4103 II - 7
Matrix: Ground Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912222-02
Sampled: 10/19/09 12:45
Sampled By: Client

Received: 10/20/09 11:00
Work Order: C912222

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
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	10/22/09 00:04	JKG	
Isobutyl alcohol [78-83-1] ^	14	U	ug/L	1	14	50	100	EPA 8260B	10/22/09 00:04	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.48	U	ug/L	1	0.48	2.0	NE	EPA 8260B	10/22/09 00:04	JKG	
Methacrylonitrile [126-98-7] ^	2.8	U	ug/L	1	2.8	10	100	EPA 8260B	10/22/09 00:04	JKG	
Methyl Methacrylate [80-62-6] ^	0.53	U	ug/L	1	0.53	1.0	30	EPA 8260B	10/22/09 00:04	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	10/22/09 00:04	JKG	
Naphthalene [91-20-3] ^	0.39	U	ug/L	1	0.39	1.0	10	EPA 8260B	10/22/09 00:04	JKG	
o-Xylene [95-47-6] ^	0.27	U	ug/L	1	0.27	1.0	NE	EPA 8260B	10/22/09 00:04	JKG	
Propionitrile [107-12-0] ^	4.8	U	ug/L	1	4.8	10	150	EPA 8260B	10/22/09 00:04	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	10/22/09 00:04	JKG	
Tetrachloroethene [127-18-4] ^	**0.83**	J	ug/L	1	0.36	1.0	1	EPA 8260B	10/22/09 00:04	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/22/09 00:04	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	10/22/09 00:04	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/22/09 00:04	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	10/22/09 00:04	JKG	
Trichloroethene [79-01-6] ^	**0.48**	J	ug/L	1	0.38	1.0	1	EPA 8260B	10/22/09 00:04	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/22/09 00:04	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	10/22/09 00:04	JKG	
Vinyl chloride [75-01-4] ^	**0.47**	J	ug/L	1	0.30	1.0	1	EPA 8260B	10/22/09 00:04	JKG	
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/22/09 00:04	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*52*	*1*	*50.0*	*104 %*	*51-122*	*9J21028*	*EPA 8260B*	*10/22/09 00:04*	*JKG*	
Dibromofluoromethane	*50*	*1*	*50.0*	*101 %*	*68-117*	*9J21028*	*EPA 8260B*	*10/22/09 00:04*	*JKG*	
Toluene-d8	*52*	*1*	*50.0*	*104 %*	*69-110*	*9J21028*	*EPA 8260B*	*10/22/09 00:04*	*JKG*	

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Description: 4103 II - 7
Matrix: Ground Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912222-02
Sampled: 10/19/09 12:45
Sampled By: Client

Received: 10/20/09 11:00
Work Order: C912222

Semivolatile 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
1,2,4,5-Tetrachlorobenzene [95-94-3]	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	10/30/09 10:26	DFM	
1,3,5-Trinitrobenzene [99-35-4]	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/30/09 10:26	DFM	
1,3-Dinitrobenzene [99-65-0]	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	10/30/09 10:26	DFM	
1,4-Naphthoquinone [130-15-4]	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	10/30/09 10:26	DFM	
1,4-Phenylenediamine [106-50-3]	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	10/30/09 10:26	DFM	
1-Naphthylamine [134-32-7]	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	10/30/09 10:26	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/30/09 10:26	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/30/09 10:26	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	10/30/09 10:26	DFM	
2,4-Dichlorophenol [120-83-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/30/09 10:26	DFM	
2,4-Dimethylphenol [105-67-9] ^	2.6	U	ug/L	1	2.6	10	10	EPA 8270D	10/30/09 10:26	DFM	
2,4-Dinitrophenol [51-28-5] ^	2.6	U	ug/L	1	2.6	10	50	EPA 8270D	10/30/09 10:26	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	10/30/09 10:26	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/30/09 10:26	DFM	
2-Acetylaminofluorene [53-96-3]	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	10/30/09 10:26	DFM	
2-Chloronaphthalene [91-58-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/30/09 10:26	DFM	
2-Chlorophenol [95-57-8] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/30/09 10:26	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	1.9	U	ug/L	1	1.9	10	50	EPA 8270D	10/30/09 10:26	DFM	
2-Methylnaphthalene [91-57-6] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/30/09 10:26	DFM	
2-Methylphenol [95-48-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/30/09 10:26	DFM	
2-Naphthylamine [91-59-8]	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	10/30/09 10:26	DFM	
2-Nitroaniline [88-74-4] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270D	10/30/09 10:26	DFM	
2-Nitrophenol [88-75-5] ^	2.3	U	ug/L	1	2.3	10	10	EPA 8270D	10/30/09 10:26	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.8	U	ug/L	1	1.8	20	10	EPA 8270D	10/30/09 10:26	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	1.7	U	ug/L	1	1.7	10	20	EPA 8270D	10/30/09 10:26	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	10/30/09 10:26	DFM	
3-Methylcholanthrene [56-49-5]	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/30/09 10:26	DFM	
3-Nitroaniline [99-09-2] ^	1.6	U	ug/L	1	1.6	10	50	EPA 8270D	10/30/09 10:26	DFM	
4-Aminobiphenyl [92-67-1]	3.1	U	ug/L	1	3.1	10	20	EPA 8270D	10/30/09 10:26	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/30/09 10:26	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.6	U	ug/L	1	1.6	10	20	EPA 8270D	10/30/09 10:26	DFM	
4-Chloroaniline [106-47-8] ^	1.6	U	ug/L	1	1.6	10	20	EPA 8270D	10/30/09 10:26	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/30/09 10:26	DFM	
4-Nitroaniline [100-01-6] ^	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	10/30/09 10:26	DFM	
4-Nitrophenol [100-02-7] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270D	10/30/09 10:26	DFM	
5-Nitro-o-toluidine [99-55-8]	0.60	U	ug/L	1	0.60	10	10	EPA 8270D	10/30/09 10:26	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6]	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/30/09 10:26	DFM	QV-01
Acenaphthene [83-32-9] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/30/09 10:26	DFM	
Acenaphthylene [208-96-8] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/30/09 10:26	DFM	
Acetophenone [98-86-2]	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/30/09 10:26	DFM	
Benzyl alcohol [100-51-6] ^	2.0	U	ug/L	1	2.0	10	20	EPA 8270D	10/30/09 10:26	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/30/09 10:26	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/30/09 10:26	DFM	
Bis(2-chloroisopropyl)ether [39638-32-9] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270D	10/30/09 10:26	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	2.6	U	ug/L	1	2.6	5.0	15	EPA 8270D	10/30/09 10:26	DFM	
Butylbenzylphthalate [85-68-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/30/09 10:26	DFM	

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Description: 4103 II - 7
Matrix: Ground Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912222-02
Sampled: 10/19/09 12:45
Sampled By: Client

Received: 10/20/09 11:00
Work Order: C912222

Semivolatile 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
Dibenzofuran [132-64-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/30/09 10:26	DFM	
Diethylphthalate [84-66-2] ^	**1.0**	J	ug/L	1	0.61	10	10	EPA 8270D	10/30/09 10:26	DFM	
Dimethylphthalate [131-11-3] ^	0.79	U	ug/L	1	0.79	10	10	EPA 8270D	10/30/09 10:26	DFM	
Di-n-butylphthalate [84-74-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/30/09 10:26	DFM	
Di-n-octylphthalate [117-84-0] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/30/09 10:26	DFM	QV-01
Ethyl methanesulfonate [62-50-0] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270D	10/30/09 10:26	DFM	
Fluorene [86-73-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/30/09 10:26	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/30/09 10:26	DFM	
Hexachloroethane [67-72-1] ^	0.97	U	ug/L	1	0.97	10	10	EPA 8270D	10/30/09 10:26	DFM	
Hexachloropropene [1888-71-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/30/09 10:26	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	10/30/09 10:26	DFM	
Isophorone [78-59-1] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	10/30/09 10:26	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/30/09 10:26	DFM	
Methapyrilene [91-80-5] ^	3.8	U	ug/L	1	3.8	10	100	EPA 8270D	10/30/09 10:26	DFM	
Methyl Methanesulfonate [66-27-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/30/09 10:26	DFM	
Nitrobenzene [98-95-3] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/30/09 10:26	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.9	U	ug/L	1	1.9	10	20	EPA 8270D	10/30/09 10:26	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/30/09 10:26	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/30/09 10:26	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270D	10/30/09 10:26	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/30/09 10:26	DFM	
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/30/09 10:26	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270D	10/30/09 10:26	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/30/09 10:26	DFM	
O,O,O-Triethyl phosphorothioate [126-68-1] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/30/09 10:26	DFM	
o-Toluidine [95-53-4] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	10/30/09 10:26	DFM	
Parathion [56-38-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/30/09 10:26	DFM	
p-Dimethylaminoazobenzene [60-11-7]	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/30/09 10:26	DFM	
Phenacetin [62-44-2] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	10/30/09 10:26	DFM	
Phenanthrene [85-01-8] ^	0.74	U	ug/L	1	0.74	10	10	EPA 8270D	10/30/09 10:26	DFM	
Phenol [108-95-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/30/09 10:26	DFM	
Pronamide [23950-58-5] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/30/09 10:26	DFM	
Safrole [94-59-7] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/30/09 10:26	DFM	
Thionazin [297-97-2] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	10/30/09 10:26	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*88*	*1*	*100*	*88 %*	*10-179*	*9120005*	*EPA 8270D*	*10/30/09 10:26*	*DFM*	
2-Fluorobiphenyl	*41*	*1*	*50.0*	*82 %*	*10-149*	*9120005*	*EPA 8270D*	*10/30/09 10:26*	*DFM*	
2-Fluorophenol	*55*	*1*	*100*	*55 %*	*10-110*	*9120005*	*EPA 8270D*	*10/30/09 10:26*	*DFM*	
Nitrobenzene-d5	*35*	*1*	*50.0*	*70 %*	*10-149*	*9120005*	*EPA 8270D*	*10/30/09 10:26*	*DFM*	
Phenol-d5	*47*	*1*	*100*	*47 %*	*10-88*	*9120005*	*EPA 8270D*	*10/30/09 10:26*	*DFM*	
Terphenyl-d14	*40*	*1*	*50.0*	*80 %*	*10-188*	*9120005*	*EPA 8270D*	*10/30/09 10:26*	*DFM*	

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Description: 4103 II - 7
Matrix: Ground Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912222-02
Sampled: 10/19/09 12:45
Sampled By: Client

Received: 10/20/09 11:00
Work Order: C912222

Organochlorine Pesticides by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
4,4'-DDD [72-54-8] ^	0.024	U	ug/L	1	0.024	0.050	0.1	EPA 8081B	10/23/09 13:37	JHH	
4,4'-DDE [72-55-9] ^	0.023	U	ug/L	1	0.023	0.050	0.1	EPA 8081B	10/23/09 13:37	JHH	
4,4'-DDT [50-29-3] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	10/23/09 13:37	JHH	
Aldrin [309-00-2] ^	0.012	U	ug/L	1	0.012	0.050	0.05	EPA 8081B	10/23/09 13:37	JHH	
alpha-BHC [319-84-6] ^	0.024	U	ug/L	1	0.024	0.050	0.05	EPA 8081B	10/23/09 13:37	JHH	
beta-BHC [319-85-7] ^	0.028	U	ug/L	1	0.028	0.050	0.05	EPA 8081B	10/23/09 13:37	JHH	
Chlordane (tech) [12789-03-6] ^	0.20	U	ug/L	1	0.20	0.50	0.5	EPA 8081B	10/23/09 13:37	JHH	
Chlordane-alpha [5103-71-9] ^	0.025	U	ug/L	1	0.025	0.050	NE	EPA 8081B	10/23/09 13:37	JHH	
Chlordane-gamma [5103-74-2] ^	0.026	U	ug/L	1	0.026	0.050	NE	EPA 8081B	10/23/09 13:37	JHH	
delta-BHC [319-86-8] ^	0.013	U	ug/L	1	0.013	0.050	0.05	EPA 8081B	10/23/09 13:37	JHH	
Dieldrin [60-57-1] ^	0.0053	U	ug/L	1	0.0053	0.050	0.075	EPA 8081B	10/23/09 13:37	JHH	
Endosulfan I [959-98-8] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	10/23/09 13:37	JHH	
Endosulfan II [33213-65-9] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	10/23/09 13:37	JHH	
Endosulfan sulfate [1031-07-8] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	10/23/09 13:37	JHH	
Endrin [72-20-8] ^	0.0034	U	ug/L	1	0.0034	0.050	0.1	EPA 8081B	10/23/09 13:37	JHH	
Endrin aldehyde [7421-93-4] ^	0.037	U	ug/L	1	0.037	0.050	0.1	EPA 8081B	10/23/09 13:37	JHH	
gamma-BHC [58-89-9] ^	0.0027	U	ug/L	1	0.0027	0.050	0.05	EPA 8081B	10/23/09 13:37	JHH	
Heptachlor [76-44-8] ^	0.0023	U	ug/L	1	0.0023	0.050	0.05	EPA 8081B	10/23/09 13:37	JHH	
Heptachlor epoxide [1024-57-3] ^	0.0056	U	ug/L	1	0.0056	0.050	0.075	EPA 8081B	10/23/09 13:37	JHH	
Methoxychlor [72-43-5] ^	0.044	U	ug/L	1	0.044	0.050	1	EPA 8081B	10/23/09 13:37	JHH	
Toxaphene [8001-35-2] ^	0.22	U	ug/L	1	0.22	0.50	1.5	EPA 8081B	10/23/09 13:37	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*1.1*	*1*	*1.00*	*108 %*	*39-141*	*9J22003*	*EPA 8081B*	*10/23/09 13:37*	*JHH*	
Decachlorobiphenyl	*1.1*	*1*	*1.00*	*107 %*	*25-163*	*9J22003*	*EPA 8081B*	*10/23/09 13:37*	*JHH*	

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Description: 4103 II - 7
Matrix: Ground Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912222-02
Sampled: 10/19/09 12:45
Sampled By: Client

Received: 10/20/09 11:00
Work Order: C912222

Polychlorinated Biphenyls by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
PCB-1016/1242 [12674-11-2/53469-21-9] ^	0.075	U	ug/L	1	0.075	0.50	2	EPA 8082A	10/23/09 13:37	JHH	
PCB-1221 [11104-28-2] ^	0.046	U	ug/L	1	0.046	0.50	NE	EPA 8082A	10/23/09 13:37	JHH	
PCB-1232 [11141-16-5] ^	0.028	U	ug/L	1	0.028	0.50	NE	EPA 8082A	10/23/09 13:37	JHH	
PCB-1248 [12672-29-6] ^	0.014	U	ug/L	1	0.014	0.50	NE	EPA 8082A	10/23/09 13:37	JHH	
PCB-1254 [11097-69-1] ^	0.015	U	ug/L	1	0.015	0.50	NE	EPA 8082A	10/23/09 13:37	JHH	
PCB-1260 [11096-82-5] ^	0.096	U	ug/L	1	0.096	0.50	NE	EPA 8082A	10/23/09 13:37	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*1.1*	*1*	*1.00*	*108 %*	*39-151*	*9J22003*	*EPA 8082A*	*10/23/09 13:37*	*JHH*	
Decachlorobiphenyl	*1.1*	*1*	*1.00*	*107 %*	*55-118*	*9J22003*	*EPA 8082A*	*10/23/09 13:37*	*JHH*	

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Description: 4103 II - 7
Matrix: Ground Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912222-02
Sampled: 10/19/09 12:45
Sampled By: Client

Received: 10/20/09 11:00
Work Order: C912222

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.0540	U	ug/L	1	0.0540	0.200	0.2	EPA 7470A	10/22/09 15:59	NLH	

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Description: 4103 II - 7
Matrix: Ground Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912222-02
Sampled: 10/19/09 12:45
Sampled By: Client

Received: 10/20/09 11:00
Work Order: C912222

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] ^	0.0730	U	ug/L	1	0.0730	2.00	6	EPA 6020A	10/26/09 12:22	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	10/27/09 19:15	JDH	
Barium [7440-39-3] ^	**90.7**	J	ug/L	1	1.00	10.0	100	EPA 6010C	10/27/09 19:15	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	10/27/09 19:15	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	10/27/09 19:15	JDH	
Chromium [7440-47-3] ^	**5.25**	J	ug/L	1	1.00	10.0	10	EPA 6010C	10/27/09 19:15	JDH	
Cobalt [7440-48-4] ^	**2.30**	J	ug/L	1	1.10	10.0	10	EPA 6010C	10/27/09 19:15	JDH	
Copper [7440-50-8] ^	**3.91**	J	ug/L	1	1.60	10.0	10	EPA 6010C	10/27/09 19:15	JDH	
Lead [7439-92-1] ^	**5.37**	J	ug/L	1	1.90	10.0	10	EPA 6010C	10/27/09 19:15	JDH	
Nickel [7440-02-0] ^	**4.46**	J	ug/L	1	1.80	10.0	50	EPA 6010C	10/27/09 19:15	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	10/27/09 19:15	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/27/09 19:15	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	10/26/09 12:22	VLO	
Tin [7440-31-5] ^	**6.03**	J	ug/L	1	2.10	10.0	100	EPA 6010C	10/27/09 19:15	JDH	
Vanadium [7440-62-2] ^	**6.20**	J	ug/L	1	1.40	10.0	25	EPA 6010C	10/27/09 19:15	JDH	
Zinc [7440-66-6] ^	**60.4**		ug/L	1	3.80	10.0	10	EPA 6010C	10/27/09 19:15	JDH	

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Description: 4103 II - 7
Matrix: Ground Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912222-02
Sampled: 10/19/09 12:45
Sampled By: Client

Received: 10/20/09 11:00
Work Order: C912222

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Cyanide (total) [57-12-5] ^	0.0047	U	mg/L	1	0.0047	0.0050	10	EPA 335.4	10/22/09 11:05	PEV	
Sulfide [18496-25-8] ^	0.031	U	mg/L	1	0.031	0.10	1	SM18 4500-S D	10/23/09 14:20	AJB	

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Description: 4103 II - 7
Matrix: Ground Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912222-02
Sampled: 10/19/09 12:45
Sampled By: Client

Received: 10/20/09 11:00
Work Order: C912222

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
2,4,5-T [93-76-5] ^	0.053	U	ug/L	1	0.053	0.50	2	EPA 8151A	10/27/09 02:57	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.056	U	ug/L	1	0.056	0.50	2	EPA 8151A	10/27/09 02:57	RGG	
2,4-D [94-75-7] ^	0.091	U	ug/L	1	0.091	0.50	2	EPA 8151A	10/27/09 02:57	RGG	
Dinoseb [88-85-7] ^	0.28	U	ug/L	1	0.28	0.50	1	EPA 8151A	10/27/09 02:57	RGG	
Pentachlorophenol [87-86-5] ^	0.043	U	ug/L	1	0.043	0.50	25	EPA 8151A	10/27/09 02:57	RGG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*1.4*	*1*	*2.00*	*69 %*	*68-139*	*9122019*	*EPA 8151A*	*10/27/09 02:57*	*RGG*	

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

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Description: 4103 II - 7B
Matrix: Ground Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912222-03
Sampled: 10/19/09 10:10
Sampled By: Client

Received: 10/20/09 11:00
Work Order: C912222

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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/22/09 00:32	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/22/09 00:32	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	10/22/09 00:32	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/22/09 00:32	JKG	
1,1-Dichloroethane [75-34-3] ^	**0.49**	J	ug/L	1	0.33	1.0	5	EPA 8260B	10/22/09 00:32	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	10/22/09 00:32	JKG	
1,1-Dichloropropene [563-58-6] ^	0.32	U	ug/L	1	0.32	1.0	5	EPA 8260B	10/22/09 00:32	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	10/22/09 00:32	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.36	U	ug/L	1	0.36	1.0	10	EPA 8260B	10/22/09 00:32	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/22/09 00:32	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	10/22/09 00:32	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	10/22/09 00:32	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	10/22/09 00:32	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/22/09 00:32	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.30	U	ug/L	1	0.30	1.0	5	EPA 8260B	10/22/09 00:32	JKG	
1,3-Dichloropropane [142-28-9] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/22/09 00:32	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/22/09 00:32	JKG	
2,2-Dichloropropane [594-20-7] ^	0.55	U	ug/L	1	0.55	1.0	15	EPA 8260B	10/22/09 00:32	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	10/22/09 00:32	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	10/22/09 00:32	JKG	
3-Chloropropene [107-05-1] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	10/22/09 00:32	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/22/09 00:32	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/22/09 00:32	JKG	
Acetonitrile [75-05-8] ^	2.8	U	ug/L	1	2.8	10	55	EPA 8260B	10/22/09 00:32	JKG	
Acrolein [107-02-8] ^	3.0	U	ug/L	1	3.0	10	53	EPA 8260B	10/22/09 00:32	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	10/22/09 00:32	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/22/09 00:32	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	10/22/09 00:32	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/22/09 00:32	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	10/22/09 00:32	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	10/22/09 00:32	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	10/22/09 00:32	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/22/09 00:32	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/22/09 00:32	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	10/22/09 00:32	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	10/22/09 00:32	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	10/22/09 00:32	JKG	
Chloroprene [126-99-8] ^	0.24	U	ug/L	1	0.24	1.0	20	EPA 8260B	10/22/09 00:32	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	10/22/09 00:32	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/22/09 00:32	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	10/22/09 00:32	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	10/22/09 00:32	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.38	U	ug/L	1	0.38	1.0	5	EPA 8260B	10/22/09 00:32	JKG	
Ethyl Methacrylate [97-63-2] ^	0.32	U	ug/L	1	0.32	1.0	10	EPA 8260B	10/22/09 00:32	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/22/09 00:32	JKG	
Hexachlorobutadiene [87-68-3] ^	0.35	U	ug/L	1	0.35	1.0	10	EPA 8260B	10/22/09 00:32	JKG	

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Description: 4103 II - 7B
Matrix: Ground Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912222-03
Sampled: 10/19/09 10:10
Sampled By: Client

Received: 10/20/09 11:00
Work Order: C912222

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
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	10/22/09 00:32	JKG	
Isobutyl alcohol [78-83-1] ^	14	U	ug/L	1	14	50	100	EPA 8260B	10/22/09 00:32	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.48	U	ug/L	1	0.48	2.0	NE	EPA 8260B	10/22/09 00:32	JKG	
Methacrylonitrile [126-98-7] ^	2.8	U	ug/L	1	2.8	10	100	EPA 8260B	10/22/09 00:32	JKG	
Methyl Methacrylate [80-62-6] ^	0.53	U	ug/L	1	0.53	1.0	30	EPA 8260B	10/22/09 00:32	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	10/22/09 00:32	JKG	
Naphthalene [91-20-3] ^	0.39	U	ug/L	1	0.39	1.0	10	EPA 8260B	10/22/09 00:32	JKG	
o-Xylene [95-47-6] ^	0.27	U	ug/L	1	0.27	1.0	NE	EPA 8260B	10/22/09 00:32	JKG	
Propionitrile [107-12-0] ^	4.8	U	ug/L	1	4.8	10	150	EPA 8260B	10/22/09 00:32	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	10/22/09 00:32	JKG	
Tetrachloroethene [127-18-4] ^	**0.51**	J	ug/L	1	0.36	1.0	1	EPA 8260B	10/22/09 00:32	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/22/09 00:32	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	10/22/09 00:32	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/22/09 00:32	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	10/22/09 00:32	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/22/09 00:32	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/22/09 00:32	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	10/22/09 00:32	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	10/22/09 00:32	JKG	
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/22/09 00:32	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*52*	*1*	*50.0*	*105 %*	*51-122*	*9J21028*	*EPA 8260B*	*10/22/09 00:32*	*JKG*	
Dibromofluoromethane	*51*	*1*	*50.0*	*101 %*	*68-117*	*9J21028*	*EPA 8260B*	*10/22/09 00:32*	*JKG*	
Toluene-d8	*53*	*1*	*50.0*	*105 %*	*69-110*	*9J21028*	*EPA 8260B*	*10/22/09 00:32*	*JKG*	

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Description: 4103 II - 7B
Matrix: Ground Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912222-03
Sampled: 10/19/09 10:10
Sampled By: Client

Received: 10/20/09 11:00
Work Order: C912222

Semivolatile 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
1,2,4,5-Tetrachlorobenzene [95-94-3]	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	10/30/09 10:55	DFM	
1,3,5-Trinitrobenzene [99-35-4]	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/30/09 10:55	DFM	
1,3-Dinitrobenzene [99-65-0]	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	10/30/09 10:55	DFM	
1,4-Naphthoquinone [130-15-4]	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	10/30/09 10:55	DFM	
1,4-Phenylenediamine [106-50-3]	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	10/30/09 10:55	DFM	
1-Naphthylamine [134-32-7]	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	10/30/09 10:55	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/30/09 10:55	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/30/09 10:55	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	10/30/09 10:55	DFM	
2,4-Dichlorophenol [120-83-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/30/09 10:55	DFM	
2,4-Dimethylphenol [105-67-9] ^	2.6	U	ug/L	1	2.6	10	10	EPA 8270D	10/30/09 10:55	DFM	
2,4-Dinitrophenol [51-28-5] ^	2.6	U	ug/L	1	2.6	10	50	EPA 8270D	10/30/09 10:55	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	10/30/09 10:55	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/30/09 10:55	DFM	
2-Acetylaminofluorene [53-96-3]	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	10/30/09 10:55	DFM	
2-Chloronaphthalene [91-58-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/30/09 10:55	DFM	
2-Chlorophenol [95-57-8] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/30/09 10:55	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	1.9	U	ug/L	1	1.9	10	50	EPA 8270D	10/30/09 10:55	DFM	
2-Methylnaphthalene [91-57-6] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/30/09 10:55	DFM	
2-Methylphenol [95-48-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/30/09 10:55	DFM	
2-Naphthylamine [91-59-8]	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	10/30/09 10:55	DFM	
2-Nitroaniline [88-74-4] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270D	10/30/09 10:55	DFM	
2-Nitrophenol [88-75-5] ^	2.3	U	ug/L	1	2.3	10	10	EPA 8270D	10/30/09 10:55	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.8	U	ug/L	1	1.8	20	10	EPA 8270D	10/30/09 10:55	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	1.7	U	ug/L	1	1.7	10	20	EPA 8270D	10/30/09 10:55	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	10/30/09 10:55	DFM	
3-Methylcholanthrene [56-49-5]	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/30/09 10:55	DFM	
3-Nitroaniline [99-09-2] ^	1.6	U	ug/L	1	1.6	10	50	EPA 8270D	10/30/09 10:55	DFM	
4-Aminobiphenyl [92-67-1]	3.1	U	ug/L	1	3.1	10	20	EPA 8270D	10/30/09 10:55	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/30/09 10:55	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.6	U	ug/L	1	1.6	10	20	EPA 8270D	10/30/09 10:55	DFM	
4-Chloroaniline [106-47-8] ^	1.6	U	ug/L	1	1.6	10	20	EPA 8270D	10/30/09 10:55	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/30/09 10:55	DFM	
4-Nitroaniline [100-01-6] ^	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	10/30/09 10:55	DFM	
4-Nitrophenol [100-02-7] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270D	10/30/09 10:55	DFM	
5-Nitro-o-toluidine [99-55-8]	0.60	U	ug/L	1	0.60	10	10	EPA 8270D	10/30/09 10:55	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6]	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/30/09 10:55	DFM	
Acenaphthene [83-32-9] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/30/09 10:55	DFM	
Acenaphthylene [208-96-8] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/30/09 10:55	DFM	
Acetophenone [98-86-2]	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/30/09 10:55	DFM	
Benzyl alcohol [100-51-6] ^	2.0	U	ug/L	1	2.0	10	20	EPA 8270D	10/30/09 10:55	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/30/09 10:55	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/30/09 10:55	DFM	
Bis(2-chloroisopropyl)ether [39638-32-9] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270D	10/30/09 10:55	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	2.6	U	ug/L	1	2.6	5.0	15	EPA 8270D	10/30/09 10:55	DFM	
Butylbenzylphthalate [85-68-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/30/09 10:55	DFM	

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Description: 4103 II - 7B
Matrix: Ground Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912222-03
Sampled: 10/19/09 10:10
Sampled By: Client

Received: 10/20/09 11:00
Work Order: C912222

Semivolatile 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
Dibenzofuran [132-64-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/30/09 10:55	DFM	
Diethylphthalate [84-66-2] ^	0.61	U	ug/L	1	0.61	10	10	EPA 8270D	10/30/09 10:55	DFM	
Dimethylphthalate [131-11-3] ^	0.79	U	ug/L	1	0.79	10	10	EPA 8270D	10/30/09 10:55	DFM	
Di-n-butylphthalate [84-74-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/30/09 10:55	DFM	
Di-n-octylphthalate [117-84-0] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/30/09 10:55	DFM	QV-01
Ethyl methanesulfonate [62-50-0] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270D	10/30/09 10:55	DFM	
Fluorene [86-73-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/30/09 10:55	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/30/09 10:55	DFM	
Hexachloroethane [67-72-1] ^	0.97	U	ug/L	1	0.97	10	10	EPA 8270D	10/30/09 10:55	DFM	
Hexachloropropene [1888-71-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/30/09 10:55	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	10/30/09 10:55	DFM	
Isophorone [78-59-1] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	10/30/09 10:55	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/30/09 10:55	DFM	
Methapyrilene [91-80-5] ^	3.8	U	ug/L	1	3.8	10	100	EPA 8270D	10/30/09 10:55	DFM	
Methyl Methanesulfonate [66-27-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/30/09 10:55	DFM	
Nitrobenzene [98-95-3] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/30/09 10:55	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.9	U	ug/L	1	1.9	10	20	EPA 8270D	10/30/09 10:55	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/30/09 10:55	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/30/09 10:55	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270D	10/30/09 10:55	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/30/09 10:55	DFM	
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/30/09 10:55	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270D	10/30/09 10:55	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/30/09 10:55	DFM	
O,O,O-Triethyl phosphorothioate [126-68-1] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/30/09 10:55	DFM	
o-Toluidine [95-53-4] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	10/30/09 10:55	DFM	
Parathion [56-38-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/30/09 10:55	DFM	
p-Dimethylaminoazobenzene [60-11-7]	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/30/09 10:55	DFM	
Phenacetin [62-44-2] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	10/30/09 10:55	DFM	
Phenanthrene [85-01-8] ^	0.74	U	ug/L	1	0.74	10	10	EPA 8270D	10/30/09 10:55	DFM	
Phenol [108-95-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/30/09 10:55	DFM	
Pronamide [23950-58-5] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/30/09 10:55	DFM	
Safrole [94-59-7] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/30/09 10:55	DFM	
Thionazin [297-97-2] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	10/30/09 10:55	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*85*	*1*	*100*	*85 %*	*10-179*	*9J20005*	*EPA 8270D*	*10/30/09 10:55*	*DFM*	
2-Fluorobiphenyl	*43*	*1*	*50.0*	*86 %*	*10-149*	*9J20005*	*EPA 8270D*	*10/30/09 10:55*	*DFM*	
2-Fluorophenol	*56*	*1*	*100*	*56 %*	*10-110*	*9J20005*	*EPA 8270D*	*10/30/09 10:55*	*DFM*	
Nitrobenzene-d5	*37*	*1*	*50.0*	*74 %*	*10-149*	*9J20005*	*EPA 8270D*	*10/30/09 10:55*	*DFM*	
Phenol-d5	*47*	*1*	*100*	*47 %*	*10-88*	*9J20005*	*EPA 8270D*	*10/30/09 10:55*	*DFM*	
Terphenyl-d14	*44*	*1*	*50.0*	*87 %*	*10-188*	*9J20005*	*EPA 8270D*	*10/30/09 10:55*	*DFM*	

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Description: 4103 II - 7B
Matrix: Ground Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912222-03
Sampled: 10/19/09 10:10
Sampled By: Client

Received: 10/20/09 11:00
Work Order: C912222

Organochlorine Pesticides by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
4,4'-DDD [72-54-8] ^	0.024	U	ug/L	1	0.024	0.050	0.1	EPA 8081B	10/23/09 13:51	JHH	
4,4'-DDE [72-55-9] ^	0.023	U	ug/L	1	0.023	0.050	0.1	EPA 8081B	10/23/09 13:51	JHH	
4,4'-DDT [50-29-3] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	10/23/09 13:51	JHH	
Aldrin [309-00-2] ^	0.012	U	ug/L	1	0.012	0.050	0.05	EPA 8081B	10/23/09 13:51	JHH	
alpha-BHC [319-84-6] ^	0.024	U	ug/L	1	0.024	0.050	0.05	EPA 8081B	10/23/09 13:51	JHH	
beta-BHC [319-85-7] ^	0.028	U	ug/L	1	0.028	0.050	0.05	EPA 8081B	10/23/09 13:51	JHH	
Chlordane (tech) [12789-03-6] ^	0.20	U	ug/L	1	0.20	0.50	0.5	EPA 8081B	10/23/09 13:51	JHH	
Chlordane-alpha [5103-71-9] ^	0.025	U	ug/L	1	0.025	0.050	NE	EPA 8081B	10/23/09 13:51	JHH	
Chlordane-gamma [5103-74-2] ^	0.026	U	ug/L	1	0.026	0.050	NE	EPA 8081B	10/23/09 13:51	JHH	
delta-BHC [319-86-8] ^	0.013	U	ug/L	1	0.013	0.050	0.05	EPA 8081B	10/23/09 13:51	JHH	
Dieldrin [60-57-1] ^	0.0053	U	ug/L	1	0.0053	0.050	0.075	EPA 8081B	10/23/09 13:51	JHH	
Endosulfan I [959-98-8] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	10/23/09 13:51	JHH	
Endosulfan II [33213-65-9] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	10/23/09 13:51	JHH	
Endosulfan sulfate [1031-07-8] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	10/23/09 13:51	JHH	
Endrin [72-20-8] ^	0.0034	U	ug/L	1	0.0034	0.050	0.1	EPA 8081B	10/23/09 13:51	JHH	
Endrin aldehyde [7421-93-4] ^	0.037	U	ug/L	1	0.037	0.050	0.1	EPA 8081B	10/23/09 13:51	JHH	
gamma-BHC [58-89-9] ^	0.0027	U	ug/L	1	0.0027	0.050	0.05	EPA 8081B	10/23/09 13:51	JHH	
Heptachlor [76-44-8] ^	0.0023	U	ug/L	1	0.0023	0.050	0.05	EPA 8081B	10/23/09 13:51	JHH	
Heptachlor epoxide [1024-57-3] ^	0.0056	U	ug/L	1	0.0056	0.050	0.075	EPA 8081B	10/23/09 13:51	JHH	
Methoxychlor [72-43-5] ^	0.044	U	ug/L	1	0.044	0.050	1	EPA 8081B	10/23/09 13:51	JHH	
Toxaphene [8001-35-2] ^	0.22	U	ug/L	1	0.22	0.50	1.5	EPA 8081B	10/23/09 13:51	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.96*	*1*	*1.00*	*96 %*	*39-141*	*9122003*	*EPA 8081B*	*10/23/09 13:51*	*JHH*	
Decachlorobiphenyl	*1.1*	*1*	*1.00*	*105 %*	*25-163*	*9122003*	*EPA 8081B*	*10/23/09 13:51*	*JHH*	

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Description: 4103 II - 7B
Matrix: Ground Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912222-03
Sampled: 10/19/09 10:10
Sampled By: Client

Received: 10/20/09 11:00
Work Order: C912222

Polychlorinated Biphenyls by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
PCB-1016/1242 [12674-11-2/53469-21-9] ^	0.075	U	ug/L	1	0.075	0.50	2	EPA 8082A	10/23/09 13:51	JHH	
PCB-1221 [11104-28-2] ^	0.046	U	ug/L	1	0.046	0.50	NE	EPA 8082A	10/23/09 13:51	JHH	
PCB-1232 [11141-16-5] ^	0.028	U	ug/L	1	0.028	0.50	NE	EPA 8082A	10/23/09 13:51	JHH	
PCB-1248 [12672-29-6] ^	0.014	U	ug/L	1	0.014	0.50	NE	EPA 8082A	10/23/09 13:51	JHH	
PCB-1254 [11097-69-1] ^	0.015	U	ug/L	1	0.015	0.50	NE	EPA 8082A	10/23/09 13:51	JHH	
PCB-1260 [11096-82-5] ^	0.096	U	ug/L	1	0.096	0.50	NE	EPA 8082A	10/23/09 13:51	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.96*	*1*	*1.00*	*96 %*	*39-151*	*9J22003*	*EPA 8082A*	*10/23/09 13:51*	*JHH*	
Decachlorobiphenyl	*1.1*	*1*	*1.00*	*105 %*	*55-118*	*9J22003*	*EPA 8082A*	*10/23/09 13:51*	*JHH*	

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Description: 4103 II - 7B
Matrix: Ground Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912222-03
Sampled: 10/19/09 10:10
Sampled By: Client

Received: 10/20/09 11:00
Work Order: C912222

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.0540	U	ug/L	1	0.0540	0.200	0.2	EPA 7470A	10/22/09 16:02	NLH	

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Description: 4103 II - 7B
Matrix: Ground Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912222-03
Sampled: 10/19/09 10:10
Sampled By: Client

Received: 10/20/09 11:00
Work Order: C912222

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] ^	0.0730	U	ug/L	1	0.0730	2.00	6	EPA 6020A	10/26/09 12:25	VLO	
Arsenic [7440-38-2] ^	**3.95**	J	ug/L	1	2.80	10.0	10	EPA 6010C	10/27/09 19:18	JDH	
Barium [7440-39-3] ^	**10.2**	J	ug/L	1	1.00	10.0	100	EPA 6010C	10/27/09 19:18	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	10/27/09 19:18	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	10/27/09 19:18	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	10/27/09 19:18	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	10/27/09 19:18	JDH	
Copper [7440-50-8] ^	**1.95**	J	ug/L	1	1.60	10.0	10	EPA 6010C	10/27/09 19:18	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/27/09 19:18	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	10/27/09 19:18	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	10/27/09 19:18	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/27/09 19:18	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	10/26/09 12:25	VLO	
Tin [7440-31-5] ^	2.10	U	ug/L	1	2.10	10.0	100	EPA 6010C	10/27/09 19:18	JDH	
Vanadium [7440-62-2] ^	**9.44**	J	ug/L	1	1.40	10.0	25	EPA 6010C	10/27/09 19:18	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	10/27/09 19:18	JDH	

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Description: 4103 II - 7B
Matrix: Ground Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912222-03
Sampled: 10/19/09 10:10
Sampled By: Client

Received: 10/20/09 11:00
Work Order: C912222

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Cyanide (total) [57-12-5] ^	0.0047	U	mg/L	1	0.0047	0.0050	10	EPA 335.4	10/22/09 11:07	PEV	
Sulfide [18496-25-8] ^	0.031	U	mg/L	1	0.031	0.10	1	SM18 4500-S D	10/23/09 14:20	AJB	

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Description: 4103 II - 7B
Matrix: Ground Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912222-03
Sampled: 10/19/09 10:10
Sampled By: Client

Received: 10/20/09 11:00
Work Order: C912222

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
2,4,5-T [93-76-5] ^	0.053	U	ug/L	1	0.053	0.50	2	EPA 8151A	10/27/09 03:21	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.056	U	ug/L	1	0.056	0.50	2	EPA 8151A	10/27/09 03:21	RGG	
2,4-D [94-75-7] ^	0.091	U	ug/L	1	0.091	0.50	2	EPA 8151A	10/27/09 03:21	RGG	
Dinoseb [88-85-7] ^	0.28	U	ug/L	1	0.28	0.50	1	EPA 8151A	10/27/09 03:21	RGG	
Pentachlorophenol [87-86-5] ^	0.043	U	ug/L	1	0.043	0.50	25	EPA 8151A	10/27/09 03:21	RGG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*1.9*	*1*	*2.00*	*94 %*	*68-139*	*9122019*	*EPA 8151A*	*10/27/09 03:21*	*RGG*	

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

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Description: 4103-II-12
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912263-01
Sampled: 10/20/09 09:15
Sampled By: Gary Simcox

Received: 10/21/09 13:30
Work Order: C912263

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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/23/09 06:43	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/23/09 06:43	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	10/23/09 06:43	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/23/09 06:43	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	10/23/09 06:43	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	10/23/09 06:43	JKG	
1,1-Dichloropropene [563-58-6] ^	0.32	U	ug/L	1	0.32	1.0	5	EPA 8260B	10/23/09 06:43	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	10/23/09 06:43	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.36	U	ug/L	1	0.36	1.0	10	EPA 8260B	10/23/09 06:43	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/23/09 06:43	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	10/23/09 06:43	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	10/23/09 06:43	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	10/23/09 06:43	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/23/09 06:43	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.30	U	ug/L	1	0.30	1.0	5	EPA 8260B	10/23/09 06:43	JKG	
1,3-Dichloropropane [142-28-9] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/23/09 06:43	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/23/09 06:43	JKG	
2,2-Dichloropropane [594-20-7] ^	0.55	U	ug/L	1	0.55	1.0	15	EPA 8260B	10/23/09 06:43	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	10/23/09 06:43	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	10/23/09 06:43	JKG	
3-Chloropropene [107-05-1] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	10/23/09 06:43	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/23/09 06:43	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/23/09 06:43	JKG	
Acetonitrile [75-05-8] ^	2.8	U	ug/L	1	2.8	10	55	EPA 8260B	10/23/09 06:43	JKG	
Acrolein [107-02-8] ^	3.0	U	ug/L	1	3.0	10	53	EPA 8260B	10/23/09 06:43	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	10/23/09 06:43	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/23/09 06:43	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	10/23/09 06:43	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/23/09 06:43	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	10/23/09 06:43	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	10/23/09 06:43	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	10/23/09 06:43	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/23/09 06:43	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/23/09 06:43	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	10/23/09 06:43	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	10/23/09 06:43	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	10/23/09 06:43	JKG	
Chloroprene [126-99-8] ^	0.24	U	ug/L	1	0.24	1.0	20	EPA 8260B	10/23/09 06:43	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	10/23/09 06:43	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/23/09 06:43	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	10/23/09 06:43	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	10/23/09 06:43	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.38	U	ug/L	1	0.38	1.0	5	EPA 8260B	10/23/09 06:43	JKG	
Ethyl Methacrylate [97-63-2] ^	0.32	U	ug/L	1	0.32	1.0	10	EPA 8260B	10/23/09 06:43	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/23/09 06:43	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	10/23/09 06:43	JKG	

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Description: 4103-II-12
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912263-01
Sampled: 10/20/09 09:15
Sampled By: Gary Simcox

Received: 10/21/09 13:30
Work Order: C912263

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
Isobutyl alcohol [78-83-1] ^	14	U	ug/L	1	14	50	100	EPA 8260B	10/23/09 06:43	JKG	
Methacrylonitrile [126-98-7] ^	2.8	U	ug/L	1	2.8	10	100	EPA 8260B	10/23/09 06:43	JKG	
Methyl Methacrylate [80-62-6] ^	0.53	U	ug/L	1	0.53	1.0	30	EPA 8260B	10/23/09 06:43	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	10/23/09 06:43	JKG	
Naphthalene [91-20-3] ^	0.39	U	ug/L	1	0.39	1.0	10	EPA 8260B	10/23/09 06:43	JKG	
Propionitrile [107-12-0] ^	4.8	U	ug/L	1	4.8	10	150	EPA 8260B	10/23/09 06:43	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	10/23/09 06:43	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/23/09 06:43	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/23/09 06:43	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	10/23/09 06:43	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/23/09 06:43	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	10/23/09 06:43	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/23/09 06:43	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/23/09 06:43	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	10/23/09 06:43	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	10/23/09 06:43	JKG	
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/23/09 06:43	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*52*	*1*	*50.0*	*104 %*	*51-122*	*9122037*	*EPA 8260B*	*10/23/09 06:43*	*JKG*	
Dibromofluoromethane	*48*	*1*	*50.0*	*95 %*	*68-117*	*9122037*	*EPA 8260B*	*10/23/09 06:43*	*JKG*	
Toluene-d8	*52*	*1*	*50.0*	*104 %*	*69-110*	*9122037*	*EPA 8260B*	*10/23/09 06:43*	*JKG*	

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Description: 4103-II-12
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912263-01
Sampled: 10/20/09 09:15
Sampled By: Gary Simcox

Received: 10/21/09 13:30
Work Order: C912263

Semivolatile 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
1,2,4,5-Tetrachlorobenzene [95-94-3]	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	10/30/09 08:58	DFM	
1,3,5-Trinitrobenzene [99-35-4]	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/30/09 08:58	DFM	
1,3-Dinitrobenzene [99-65-0]	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	10/30/09 08:58	DFM	
1,4-Naphthoquinone [130-15-4]	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	10/30/09 08:58	DFM	
1,4-Phenylenediamine [106-50-3]	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	10/30/09 08:58	DFM	
1-Naphthylamine [134-32-7]	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	10/30/09 08:58	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/30/09 08:58	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/30/09 08:58	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	10/30/09 08:58	DFM	
2,4-Dichlorophenol [120-83-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/30/09 08:58	DFM	
2,4-Dimethylphenol [105-67-9] ^	2.6	U	ug/L	1	2.6	10	10	EPA 8270D	10/30/09 08:58	DFM	
2,4-Dinitrophenol [51-28-5] ^	2.6	U	ug/L	1	2.6	10	50	EPA 8270D	10/30/09 08:58	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	10/30/09 08:58	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/30/09 08:58	DFM	
2-Acetylaminofluorene [53-96-3]	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	10/30/09 08:58	DFM	
2-Chloronaphthalene [91-58-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/30/09 08:58	DFM	
2-Chlorophenol [95-57-8] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/30/09 08:58	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	1.9	U	ug/L	1	1.9	10	50	EPA 8270D	10/30/09 08:58	DFM	
2-Methylnaphthalene [91-57-6] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/30/09 08:58	DFM	
2-Methylphenol [95-48-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/30/09 08:58	DFM	
2-Naphthylamine [91-59-8]	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	10/30/09 08:58	DFM	
2-Nitroaniline [88-74-4] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270D	10/30/09 08:58	DFM	
2-Nitrophenol [88-75-5] ^	2.3	U	ug/L	1	2.3	10	10	EPA 8270D	10/30/09 08:58	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	**2.0**	J	ug/L	1	1.8	20	10	EPA 8270D	10/30/09 08:58	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	1.7	U	ug/L	1	1.7	10	20	EPA 8270D	10/30/09 08:58	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	10/30/09 08:58	DFM	
3-Methylcholanthrene [56-49-5]	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/30/09 08:58	DFM	
3-Nitroaniline [99-09-2] ^	1.6	U	ug/L	1	1.6	10	50	EPA 8270D	10/30/09 08:58	DFM	
4-Aminobiphenyl [92-67-1]	3.1	U	ug/L	1	3.1	10	20	EPA 8270D	10/30/09 08:58	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/30/09 08:58	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.6	U	ug/L	1	1.6	10	20	EPA 8270D	10/30/09 08:58	DFM	
4-Chloroaniline [106-47-8] ^	1.6	U	ug/L	1	1.6	10	20	EPA 8270D	10/30/09 08:58	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/30/09 08:58	DFM	
4-Nitroaniline [100-01-6] ^	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	10/30/09 08:58	DFM	
4-Nitrophenol [100-02-7] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270D	10/30/09 08:58	DFM	
5-Nitro-o-toluidine [99-55-8]	0.60	U	ug/L	1	0.60	10	10	EPA 8270D	10/30/09 08:58	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6]	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/30/09 08:58	DFM	QV-01
Acenaphthene [83-32-9] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/30/09 08:58	DFM	
Acenaphthylene [208-96-8] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/30/09 08:58	DFM	
Acetophenone [98-86-2]	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/30/09 08:58	DFM	
Benzyl alcohol [100-51-6] ^	2.0	U	ug/L	1	2.0	10	20	EPA 8270D	10/30/09 08:58	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/30/09 08:58	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/30/09 08:58	DFM	
Bis(2-chloroisopropyl)ether [39638-32-9] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270D	10/30/09 08:58	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	2.6	U	ug/L	1	2.6	5.0	15	EPA 8270D	10/30/09 08:58	DFM	

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Description: 4103-II-12
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912263-01
Sampled: 10/20/09 09:15
Sampled By: Gary Simcox

Received: 10/21/09 13:30
Work Order: C912263

Semivolatile 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
Butylbenzylphthalate [85-68-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/30/09 08:58	DFM	
Dibenzofuran [132-64-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/30/09 08:58	DFM	
Diethylphthalate [84-66-2] ^	0.61	U	ug/L	1	0.61	10	10	EPA 8270D	10/30/09 08:58	DFM	
Dimethylphthalate [131-11-3] ^	0.79	U	ug/L	1	0.79	10	10	EPA 8270D	10/30/09 08:58	DFM	
Di-n-butylphthalate [84-74-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/30/09 08:58	DFM	
Di-n-octylphthalate [117-84-0] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/30/09 08:58	DFM	QV-01
Ethyl methanesulfonate [62-50-0] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270D	10/30/09 08:58	DFM	
Fluorene [86-73-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/30/09 08:58	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/30/09 08:58	DFM	
Hexachloroethane [67-72-1] ^	0.97	U	ug/L	1	0.97	10	10	EPA 8270D	10/30/09 08:58	DFM	
Hexachloropropene [1888-71-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/30/09 08:58	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	10/30/09 08:58	DFM	
Isophorone [78-59-1] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	10/30/09 08:58	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/30/09 08:58	DFM	
Methapyrilene [91-80-5] ^	3.8	U	ug/L	1	3.8	10	100	EPA 8270D	10/30/09 08:58	DFM	
Methyl Methanesulfonate [66-27-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/30/09 08:58	DFM	
Nitrobenzene [98-95-3] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/30/09 08:58	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.9	U	ug/L	1	1.9	10	20	EPA 8270D	10/30/09 08:58	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/30/09 08:58	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/30/09 08:58	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270D	10/30/09 08:58	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/30/09 08:58	DFM	
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/30/09 08:58	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270D	10/30/09 08:58	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/30/09 08:58	DFM	
O,O,O-Triethyl phosphorothioate [126-68-1] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/30/09 08:58	DFM	
o-Toluidine [95-53-4] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	10/30/09 08:58	DFM	
Parathion [56-38-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/30/09 08:58	DFM	
p-Dimethylaminoazobenzene [60-11-7]	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/30/09 08:58	DFM	
Phenacetin [62-44-2] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	10/30/09 08:58	DFM	
Phenanthrene [85-01-8] ^	0.74	U	ug/L	1	0.74	10	10	EPA 8270D	10/30/09 08:58	DFM	
Phenol [108-95-2] ^	**1.3**	J	ug/L	1	1.2	10	10	EPA 8270D	10/30/09 08:58	DFM	
Pronamide [23950-58-5] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/30/09 08:58	DFM	
Safrole [94-59-7] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/30/09 08:58	DFM	
Thionazin [297-97-2] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	10/30/09 08:58	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*85*	*1*	*100*	*85 %*	*10-179*	*9J23001*	*EPA 8270D*	*10/30/09 08:58*	*DFM*	
2-Fluorobiphenyl	*38*	*1*	*50.0*	*75 %*	*10-149*	*9J23001*	*EPA 8270D*	*10/30/09 08:58*	*DFM*	
2-Fluorophenol	*47*	*1*	*100*	*47 %*	*10-110*	*9J23001*	*EPA 8270D*	*10/30/09 08:58*	*DFM*	
Nitrobenzene-d5	*31*	*1*	*50.0*	*62 %*	*10-149*	*9J23001*	*EPA 8270D*	*10/30/09 08:58*	*DFM*	
Phenol-d5	*54*	*1*	*100*	*54 %*	*10-88*	*9J23001*	*EPA 8270D*	*10/30/09 08:58*	*DFM*	
Terphenyl-d14	*39*	*1*	*50.0*	*78 %*	*10-188*	*9J23001*	*EPA 8270D*	*10/30/09 08:58*	*DFM*	

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Description: 4103-II-12
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912263-01
Sampled: 10/20/09 09:15
Sampled By: Gary Simcox

Received: 10/21/09 13:30
Work Order: C912263

Organochlorine Pesticides by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
4,4'-DDD [72-54-8] ^	0.024	U	ug/L	1	0.024	0.050	0.1	EPA 8081B	10/27/09 16:10	JHH	
4,4'-DDE [72-55-9] ^	0.023	U	ug/L	1	0.023	0.050	0.1	EPA 8081B	10/27/09 16:10	JHH	
4,4'-DDT [50-29-3] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	10/27/09 16:10	JHH	
Aldrin [309-00-2] ^	0.012	U	ug/L	1	0.012	0.050	0.05	EPA 8081B	10/27/09 16:10	JHH	
alpha-BHC [319-84-6] ^	0.024	U	ug/L	1	0.024	0.050	0.05	EPA 8081B	10/27/09 16:10	JHH	
beta-BHC [319-85-7] ^	0.028	U	ug/L	1	0.028	0.050	0.05	EPA 8081B	10/27/09 16:10	JHH	
Chlordane (tech) [12789-03-6] ^	0.20	U	ug/L	1	0.20	0.50	0.5	EPA 8081B	10/27/09 16:10	JHH	
Chlordane-alpha [5103-71-9] ^	0.025	U	ug/L	1	0.025	0.050	NE	EPA 8081B	10/27/09 16:10	JHH	
Chlordane-gamma [5103-74-2] ^	0.026	U	ug/L	1	0.026	0.050	NE	EPA 8081B	10/27/09 16:10	JHH	
delta-BHC [319-86-8] ^	0.013	U	ug/L	1	0.013	0.050	0.05	EPA 8081B	10/27/09 16:10	JHH	
Dieldrin [60-57-1] ^	0.0053	U	ug/L	1	0.0053	0.050	0.075	EPA 8081B	10/27/09 16:10	JHH	
Endosulfan I [959-98-8] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	10/27/09 16:10	JHH	
Endosulfan II [33213-65-9] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	10/27/09 16:10	JHH	
Endosulfan sulfate [1031-07-8] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	10/27/09 16:10	JHH	
Endrin [72-20-8] ^	0.0034	U	ug/L	1	0.0034	0.050	0.1	EPA 8081B	10/27/09 16:10	JHH	
Endrin aldehyde [7421-93-4] ^	0.037	U	ug/L	1	0.037	0.050	0.1	EPA 8081B	10/27/09 16:10	JHH	
gamma-BHC [58-89-9] ^	0.0027	U	ug/L	1	0.0027	0.050	0.05	EPA 8081B	10/27/09 16:10	JHH	
Heptachlor [76-44-8] ^	0.0023	U	ug/L	1	0.0023	0.050	0.05	EPA 8081B	10/27/09 16:10	JHH	
Heptachlor epoxide [1024-57-3] ^	0.0056	U	ug/L	1	0.0056	0.050	0.075	EPA 8081B	10/27/09 16:10	JHH	
Methoxychlor [72-43-5] ^	0.044	U	ug/L	1	0.044	0.050	1	EPA 8081B	10/27/09 16:10	JHH	
Toxaphene [8001-35-2] ^	0.22	U	ug/L	1	0.22	0.50	1.5	EPA 8081B	10/27/09 16:10	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.70*	*1*	*1.00*	*70 %*	*44-134*	*9124001*	*EPA 8081B*	*10/27/09 16:10*	*JHH*	
Decachlorobiphenyl	*0.46*	*1*	*1.00*	*46 %*	*37-149*	*9124001*	*EPA 8081B*	*10/27/09 16:10*	*JHH*	

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Description: 4103-II-12
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912263-01
Sampled: 10/20/09 09:15
Sampled By: Gary Simcox

Received: 10/21/09 13:30
Work Order: C912263

Polychlorinated Biphenyls by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
PCB-1016/1242 [12674-11-2/53469-21-9] ^	0.075	U	ug/L	1	0.075	0.50	2	EPA 8082A	10/27/09 16:10	JHH	
PCB-1221 [11104-28-2] ^	0.046	U	ug/L	1	0.046	0.50	NE	EPA 8082A	10/27/09 16:10	JHH	
PCB-1232 [11141-16-5] ^	0.028	U	ug/L	1	0.028	0.50	NE	EPA 8082A	10/27/09 16:10	JHH	
PCB-1248 [12672-29-6] ^	0.014	U	ug/L	1	0.014	0.50	NE	EPA 8082A	10/27/09 16:10	JHH	
PCB-1254 [11097-69-1] ^	0.015	U	ug/L	1	0.015	0.50	NE	EPA 8082A	10/27/09 16:10	JHH	
PCB-1260 [11096-82-5] ^	0.096	U	ug/L	1	0.096	0.50	NE	EPA 8082A	10/27/09 16:10	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.70*	*1*	*1.00*	*70 %*	*39-151*	*9J24001*	*EPA 8082A*	*10/27/09 16:10*	*JHH*	
Decachlorobiphenyl	*0.60*	*1*	*1.00*	*60 %*	*55-118*	*9J24001*	*EPA 8082A*	*10/27/09 16:10*	*JHH*	

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Description: 4103-II-12
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912263-01
Sampled: 10/20/09 09:15
Sampled By: Gary Simcox

Received: 10/21/09 13:30
Work Order: C912263

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.0540	U	ug/L	1	0.0540	0.200	0.2	EPA 7470A	10/22/09 16:05	NLH	

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Description: 4103-II-12
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912263-01
Sampled: 10/20/09 09:15
Sampled By: Gary Simcox

Received: 10/21/09 13:30
Work Order: C912263

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] ^	0.0730	U	ug/L	1	0.0730	2.00	6	EPA 6020A	10/26/09 11:02	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	10/27/09 15:38	JDH	
Barium [7440-39-3] ^	**704**		ug/L	1	1.00	10.0	100	EPA 6010C	10/27/09 15:38	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	10/27/09 15:38	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	10/27/09 15:38	JDH	
Chromium [7440-47-3] ^	**5.32**	J	ug/L	1	1.00	10.0	10	EPA 6010C	10/27/09 15:38	JDH	
Cobalt [7440-48-4] ^	**15.1**		ug/L	1	1.10	10.0	10	EPA 6010C	10/27/09 15:38	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	10/27/09 15:38	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/27/09 15:38	JDH	
Nickel [7440-02-0] ^	**7.70**	J	ug/L	1	1.80	10.0	50	EPA 6010C	10/27/09 15:38	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	10/27/09 15:38	JDH	
Silver [7440-22-4] ^	**2.25**	J	ug/L	1	1.90	10.0	10	EPA 6010C	10/27/09 15:38	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	10/26/09 11:02	VLO	
Tin [7440-31-5] ^	**7.97**	J	ug/L	1	2.10	10.0	100	EPA 6010C	10/27/09 15:38	JDH	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	10/27/09 15:38	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	10/27/09 15:38	JDH	

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Description: 4103-II-12
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912263-01
Sampled: 10/20/09 09:15
Sampled By: Gary Simcox

Received: 10/21/09 13:30
Work Order: C912263

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Cyanide (total) [57-12-5] ^	0.0047	U	mg/L	1	0.0047	0.0050	10	EPA 335.4	10/29/09 10:45	PEV	
Sulfide [18496-25-8] ^	0.031	U	mg/L	1	0.031	0.10	1	SM18 4500-S D	10/26/09 16:00	GPW	

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Description: 4103-II-12
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912263-01
Sampled: 10/20/09 09:15
Sampled By: Gary Simcox

Received: 10/21/09 13:30
Work Order: C912263

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
2,4,5-T [93-76-5] ^	0.053	U	ug/L	1	0.053	0.50	2	EPA 8151A	10/27/09 01:45	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.056	U	ug/L	1	0.056	0.50	2	EPA 8151A	10/27/09 01:45	RGG	
2,4-D [94-75-7] ^	0.091	U	ug/L	1	0.091	0.50	2	EPA 8151A	10/27/09 01:45	RGG	
Dinoseb [88-85-7] ^	0.28	U	ug/L	1	0.28	0.50	1	EPA 8151A	10/27/09 01:45	RGG	
Pentachlorophenol [87-86-5] ^	0.043	U	ug/L	1	0.043	0.50	25	EPA 8151A	10/27/09 01:45	RGG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*1.8*	*1*	*2.00*	*89 %*	*68-139*	*9J22019*	*EPA 8151A*	*10/27/09 01:45*	*RGG*	

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

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Description: 4103-DUPLICATE II
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912263-02
Sampled: 10/20/09 07:00
Sampled By: Gary Simcox

Received: 10/21/09 13:30
Work Order: C912263

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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/23/09 07:12	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/23/09 07:12	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	10/23/09 07:12	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/23/09 07:12	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	10/23/09 07:12	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	10/23/09 07:12	JKG	
1,1-Dichloropropene [563-58-6] ^	0.32	U	ug/L	1	0.32	1.0	5	EPA 8260B	10/23/09 07:12	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	10/23/09 07:12	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.36	U	ug/L	1	0.36	1.0	10	EPA 8260B	10/23/09 07:12	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/23/09 07:12	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	10/23/09 07:12	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	10/23/09 07:12	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	10/23/09 07:12	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/23/09 07:12	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.30	U	ug/L	1	0.30	1.0	5	EPA 8260B	10/23/09 07:12	JKG	
1,3-Dichloropropane [142-28-9] ^	0.32	U	ug/L	1	0.32	1.0	1	EPA 8260B	10/23/09 07:12	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/23/09 07:12	JKG	
2,2-Dichloropropane [594-20-7] ^	0.55	U	ug/L	1	0.55	1.0	15	EPA 8260B	10/23/09 07:12	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	10/23/09 07:12	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	10/23/09 07:12	JKG	
3-Chloropropene [107-05-1] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	10/23/09 07:12	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/23/09 07:12	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/23/09 07:12	JKG	
Acetonitrile [75-05-8] ^	2.8	U	ug/L	1	2.8	10	55	EPA 8260B	10/23/09 07:12	JKG	
Acrolein [107-02-8] ^	3.0	U	ug/L	1	3.0	10	53	EPA 8260B	10/23/09 07:12	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	10/23/09 07:12	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/23/09 07:12	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	10/23/09 07:12	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/23/09 07:12	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	10/23/09 07:12	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	10/23/09 07:12	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	10/23/09 07:12	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/23/09 07:12	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/23/09 07:12	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	10/23/09 07:12	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	10/23/09 07:12	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	10/23/09 07:12	JKG	
Chloroprene [126-99-8] ^	0.24	U	ug/L	1	0.24	1.0	20	EPA 8260B	10/23/09 07:12	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	10/23/09 07:12	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/23/09 07:12	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	10/23/09 07:12	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	10/23/09 07:12	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.38	U	ug/L	1	0.38	1.0	5	EPA 8260B	10/23/09 07:12	JKG	
Ethyl Methacrylate [97-63-2] ^	0.32	U	ug/L	1	0.32	1.0	10	EPA 8260B	10/23/09 07:12	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/23/09 07:12	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	10/23/09 07:12	JKG	

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Description: 4103-DUPLICATE II
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912263-02
Sampled: 10/20/09 07:00
Sampled By: Gary Simcox

Received: 10/21/09 13:30
Work Order: C912263

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
Isobutyl alcohol [78-83-1] ^	14	U	ug/L	1	14	50	100	EPA 8260B	10/23/09 07:12	JKG	
Methacrylonitrile [126-98-7] ^	2.8	U	ug/L	1	2.8	10	100	EPA 8260B	10/23/09 07:12	JKG	
Methyl Methacrylate [80-62-6] ^	0.53	U	ug/L	1	0.53	1.0	30	EPA 8260B	10/23/09 07:12	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	10/23/09 07:12	JKG	
Naphthalene [91-20-3] ^	0.39	U	ug/L	1	0.39	1.0	10	EPA 8260B	10/23/09 07:12	JKG	
Propionitrile [107-12-0] ^	4.8	U	ug/L	1	4.8	10	150	EPA 8260B	10/23/09 07:12	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	10/23/09 07:12	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/23/09 07:12	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/23/09 07:12	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	10/23/09 07:12	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/23/09 07:12	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	10/23/09 07:12	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/23/09 07:12	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/23/09 07:12	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	10/23/09 07:12	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	10/23/09 07:12	JKG	
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/23/09 07:12	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*52*	*1*	*50.0*	*104 %*	*51-122*	*9J22037*	*EPA 8260B*	*10/23/09 07:12*	*JKG*	
Dibromofluoromethane	*48*	*1*	*50.0*	*96 %*	*68-117*	*9J22037*	*EPA 8260B*	*10/23/09 07:12*	*JKG*	
Toluene-d8	*52*	*1*	*50.0*	*105 %*	*69-110*	*9J22037*	*EPA 8260B*	*10/23/09 07:12*	*JKG*	

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Description: 4103-DUPLICATE II
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912263-02
Sampled: 10/20/09 07:00
Sampled By: Gary Simcox

Received: 10/21/09 13:30
Work Order: C912263

Semivolatile 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
1,2,4,5-Tetrachlorobenzene [95-94-3]	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	10/30/09 09:27	DFM	
1,3,5-Trinitrobenzene [99-35-4]	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/30/09 09:27	DFM	
1,3-Dinitrobenzene [99-65-0]	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	10/30/09 09:27	DFM	
1,4-Naphthoquinone [130-15-4]	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	10/30/09 09:27	DFM	
1,4-Phenylenediamine [106-50-3]	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	10/30/09 09:27	DFM	
1-Naphthylamine [134-32-7]	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	10/30/09 09:27	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/30/09 09:27	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/30/09 09:27	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	10/30/09 09:27	DFM	
2,4-Dichlorophenol [120-83-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/30/09 09:27	DFM	
2,4-Dimethylphenol [105-67-9] ^	2.6	U	ug/L	1	2.6	10	10	EPA 8270D	10/30/09 09:27	DFM	
2,4-Dinitrophenol [51-28-5] ^	2.6	U	ug/L	1	2.6	10	50	EPA 8270D	10/30/09 09:27	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	10/30/09 09:27	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/30/09 09:27	DFM	
2-Acetylaminofluorene [53-96-3]	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	10/30/09 09:27	DFM	
2-Chloronaphthalene [91-58-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/30/09 09:27	DFM	
2-Chlorophenol [95-57-8] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/30/09 09:27	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	1.9	U	ug/L	1	1.9	10	50	EPA 8270D	10/30/09 09:27	DFM	
2-Methylnaphthalene [91-57-6] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/30/09 09:27	DFM	
2-Methylphenol [95-48-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/30/09 09:27	DFM	
2-Naphthylamine [91-59-8]	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	10/30/09 09:27	DFM	
2-Nitroaniline [88-74-4] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270D	10/30/09 09:27	DFM	
2-Nitrophenol [88-75-5] ^	2.3	U	ug/L	1	2.3	10	10	EPA 8270D	10/30/09 09:27	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	**2.1**	J	ug/L	1	1.8	20	10	EPA 8270D	10/30/09 09:27	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	1.7	U	ug/L	1	1.7	10	20	EPA 8270D	10/30/09 09:27	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	10/30/09 09:27	DFM	
3-Methylcholanthrene [56-49-5]	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/30/09 09:27	DFM	
3-Nitroaniline [99-09-2] ^	1.6	U	ug/L	1	1.6	10	50	EPA 8270D	10/30/09 09:27	DFM	
4-Aminobiphenyl [92-67-1]	3.1	U	ug/L	1	3.1	10	20	EPA 8270D	10/30/09 09:27	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/30/09 09:27	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.6	U	ug/L	1	1.6	10	20	EPA 8270D	10/30/09 09:27	DFM	
4-Chloroaniline [106-47-8] ^	1.6	U	ug/L	1	1.6	10	20	EPA 8270D	10/30/09 09:27	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/30/09 09:27	DFM	
4-Nitroaniline [100-01-6] ^	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	10/30/09 09:27	DFM	
4-Nitrophenol [100-02-7] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270D	10/30/09 09:27	DFM	
5-Nitro-o-toluidine [99-55-8]	0.60	U	ug/L	1	0.60	10	10	EPA 8270D	10/30/09 09:27	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6]	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/30/09 09:27	DFM	QV-01
Acenaphthene [83-32-9] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/30/09 09:27	DFM	
Acenaphthylene [208-96-8] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/30/09 09:27	DFM	
Acetophenone [98-86-2]	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/30/09 09:27	DFM	
Benzyl alcohol [100-51-6] ^	2.0	U	ug/L	1	2.0	10	20	EPA 8270D	10/30/09 09:27	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/30/09 09:27	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/30/09 09:27	DFM	
Bis(2-chloroisopropyl)ether [39638-32-9] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270D	10/30/09 09:27	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	2.6	U	ug/L	1	2.6	5.0	15	EPA 8270D	10/30/09 09:27	DFM	

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Description: 4103-DUPLICATE II
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912263-02
Sampled: 10/20/09 07:00
Sampled By: Gary Simcox

Received: 10/21/09 13:30
Work Order: C912263

Semivolatile 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
Butylbenzylphthalate [85-68-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/30/09 09:27	DFM	
Dibenzofuran [132-64-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/30/09 09:27	DFM	
Diethylphthalate [84-66-2] ^	0.61	U	ug/L	1	0.61	10	10	EPA 8270D	10/30/09 09:27	DFM	
Dimethylphthalate [131-11-3] ^	0.79	U	ug/L	1	0.79	10	10	EPA 8270D	10/30/09 09:27	DFM	
Di-n-butylphthalate [84-74-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/30/09 09:27	DFM	
Di-n-octylphthalate [117-84-0] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/30/09 09:27	DFM	QV-01
Ethyl methanesulfonate [62-50-0] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270D	10/30/09 09:27	DFM	
Fluorene [86-73-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/30/09 09:27	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/30/09 09:27	DFM	
Hexachloroethane [67-72-1] ^	0.97	U	ug/L	1	0.97	10	10	EPA 8270D	10/30/09 09:27	DFM	
Hexachloropropene [1888-71-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/30/09 09:27	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	10/30/09 09:27	DFM	
Isophorone [78-59-1] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	10/30/09 09:27	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/30/09 09:27	DFM	
Methapyrilene [91-80-5] ^	3.8	U	ug/L	1	3.8	10	100	EPA 8270D	10/30/09 09:27	DFM	
Methyl Methanesulfonate [66-27-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/30/09 09:27	DFM	
Nitrobenzene [98-95-3] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/30/09 09:27	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.9	U	ug/L	1	1.9	10	20	EPA 8270D	10/30/09 09:27	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/30/09 09:27	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/30/09 09:27	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270D	10/30/09 09:27	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/30/09 09:27	DFM	
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/30/09 09:27	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270D	10/30/09 09:27	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/30/09 09:27	DFM	
O,O,O-Triethyl phosphorothioate [126-68-1] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/30/09 09:27	DFM	
o-Toluidine [95-53-4] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	10/30/09 09:27	DFM	
Parathion [56-38-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/30/09 09:27	DFM	
p-Dimethylaminoazobenzene [60-11-7]	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/30/09 09:27	DFM	
Phenacetin [62-44-2] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	10/30/09 09:27	DFM	
Phenanthrene [85-01-8] ^	0.74	U	ug/L	1	0.74	10	10	EPA 8270D	10/30/09 09:27	DFM	
Phenol [108-95-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/30/09 09:27	DFM	
Pronamide [23950-58-5] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/30/09 09:27	DFM	
Safrole [94-59-7] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/30/09 09:27	DFM	
Thionazin [297-97-2] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	10/30/09 09:27	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*86*	*1*	*100*	*86 %*	*10-179*	*9J23001*	*EPA 8270D*	*10/30/09 09:27*	*DFM*	
2-Fluorobiphenyl	*40*	*1*	*50.0*	*79 %*	*10-149*	*9J23001*	*EPA 8270D*	*10/30/09 09:27*	*DFM*	
2-Fluorophenol	*51*	*1*	*100*	*51 %*	*10-110*	*9J23001*	*EPA 8270D*	*10/30/09 09:27*	*DFM*	
Nitrobenzene-d5	*34*	*1*	*50.0*	*67 %*	*10-149*	*9J23001*	*EPA 8270D*	*10/30/09 09:27*	*DFM*	
Phenol-d5	*44*	*1*	*100*	*44 %*	*10-88*	*9J23001*	*EPA 8270D*	*10/30/09 09:27*	*DFM*	
Terphenyl-d14	*39*	*1*	*50.0*	*78 %*	*10-188*	*9J23001*	*EPA 8270D*	*10/30/09 09:27*	*DFM*	

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Description: 4103-DUPLICATE II
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912263-02
Sampled: 10/20/09 07:00
Sampled By: Gary Simcox

Received: 10/21/09 13:30
Work Order: C912263

Organochlorine Pesticides by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
4,4'-DDD [72-54-8] ^	0.024	U	ug/L	1	0.024	0.050	0.1	EPA 8081B	10/27/09 16:24	JHH	
4,4'-DDE [72-55-9] ^	0.023	U	ug/L	1	0.023	0.050	0.1	EPA 8081B	10/27/09 16:24	JHH	
4,4'-DDT [50-29-3] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	10/27/09 16:24	JHH	
Aldrin [309-00-2] ^	0.012	U	ug/L	1	0.012	0.050	0.05	EPA 8081B	10/27/09 16:24	JHH	
alpha-BHC [319-84-6] ^	0.024	U	ug/L	1	0.024	0.050	0.05	EPA 8081B	10/27/09 16:24	JHH	
beta-BHC [319-85-7] ^	0.028	U	ug/L	1	0.028	0.050	0.05	EPA 8081B	10/27/09 16:24	JHH	
Chlordane (tech) [12789-03-6] ^	0.20	U	ug/L	1	0.20	0.50	0.5	EPA 8081B	10/27/09 16:24	JHH	
Chlordane-alpha [5103-71-9] ^	0.025	U	ug/L	1	0.025	0.050	NE	EPA 8081B	10/27/09 16:24	JHH	
Chlordane-gamma [5103-74-2] ^	0.026	U	ug/L	1	0.026	0.050	NE	EPA 8081B	10/27/09 16:24	JHH	
delta-BHC [319-86-8] ^	0.013	U	ug/L	1	0.013	0.050	0.05	EPA 8081B	10/27/09 16:24	JHH	
Dieldrin [60-57-1] ^	0.0053	U	ug/L	1	0.0053	0.050	0.075	EPA 8081B	10/27/09 16:24	JHH	
Endosulfan I [959-98-8] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	10/27/09 16:24	JHH	
Endosulfan II [33213-65-9] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	10/27/09 16:24	JHH	
Endosulfan sulfate [1031-07-8] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	10/27/09 16:24	JHH	
Endrin [72-20-8] ^	0.0034	U	ug/L	1	0.0034	0.050	0.1	EPA 8081B	10/27/09 16:24	JHH	
Endrin aldehyde [7421-93-4] ^	0.037	U	ug/L	1	0.037	0.050	0.1	EPA 8081B	10/27/09 16:24	JHH	
gamma-BHC [58-89-9] ^	0.0027	U	ug/L	1	0.0027	0.050	0.05	EPA 8081B	10/27/09 16:24	JHH	
Heptachlor [76-44-8] ^	0.0023	U	ug/L	1	0.0023	0.050	0.05	EPA 8081B	10/27/09 16:24	JHH	
Heptachlor epoxide [1024-57-3] ^	0.0056	U	ug/L	1	0.0056	0.050	0.075	EPA 8081B	10/27/09 16:24	JHH	
Methoxychlor [72-43-5] ^	0.044	U	ug/L	1	0.044	0.050	1	EPA 8081B	10/27/09 16:24	JHH	
Toxaphene [8001-35-2] ^	0.22	U	ug/L	1	0.22	0.50	1.5	EPA 8081B	10/27/09 16:24	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.71*	*1*	*1.00*	*71 %*	*44-134*	*9124001*	*EPA 8081B*	*10/27/09 16:24*	*JHH*	
Decachlorobiphenyl	*0.39*	*1*	*1.00*	*39 %*	*37-149*	*9124001*	*EPA 8081B*	*10/27/09 16:24*	*JHH*	

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Description: 4103-DUPLICATE II
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912263-02
Sampled: 10/20/09 07:00
Sampled By: Gary Simcox

Received: 10/21/09 13:30
Work Order: C912263

Polychlorinated Biphenyls by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
PCB-1016/1242 [12674-11-2/53469-21-9] ^	0.075	U	ug/L	1	0.075	0.50	2	EPA 8082A	10/27/09 16:24	JHH	
PCB-1221 [11104-28-2] ^	0.046	U	ug/L	1	0.046	0.50	NE	EPA 8082A	10/27/09 16:24	JHH	
PCB-1232 [11141-16-5] ^	0.028	U	ug/L	1	0.028	0.50	NE	EPA 8082A	10/27/09 16:24	JHH	
PCB-1248 [12672-29-6] ^	0.014	U	ug/L	1	0.014	0.50	NE	EPA 8082A	10/27/09 16:24	JHH	
PCB-1254 [11097-69-1] ^	0.015	U	ug/L	1	0.015	0.50	NE	EPA 8082A	10/27/09 16:24	JHH	
PCB-1260 [11096-82-5] ^	0.096	U	ug/L	1	0.096	0.50	NE	EPA 8082A	10/27/09 16:24	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.70*	*1*	*1.00*	*70 %*	*39-151*	*9J24001*	*EPA 8082A*	*10/27/09 16:24*	*JHH*	
Decachlorobiphenyl	*0.60*	*1*	*1.00*	*60 %*	*55-118*	*9J24001*	*EPA 8082A*	*10/27/09 16:24*	*JHH*	

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Description: 4103-DUPLICATE II
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912263-02
Sampled: 10/20/09 07:00
Sampled By: Gary Simcox

Received: 10/21/09 13:30
Work Order: C912263

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.0540	U	ug/L	1	0.0540	0.200	0.2	EPA 7470A	10/22/09 16:09	NLH	

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Description: 4103-DUPLICATE II
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912263-02
Sampled: 10/20/09 07:00
Sampled By: Gary Simcox

Received: 10/21/09 13:30
Work Order: C912263

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] ^	**0.141**	J	ug/L	1	0.0730	2.00	6	EPA 6020A	10/26/09 11:06	VLO	
Arsenic [7440-38-2] ^	**5.01**	J	ug/L	1	2.80	10.0	10	EPA 6010C	10/27/09 15:42	JDH	
Barium [7440-39-3] ^	**685**		ug/L	1	1.00	10.0	100	EPA 6010C	10/27/09 15:42	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	10/27/09 15:42	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	10/27/09 15:42	JDH	
Chromium [7440-47-3] ^	**4.95**	J	ug/L	1	1.00	10.0	10	EPA 6010C	10/27/09 15:42	JDH	
Cobalt [7440-48-4] ^	**14.5**		ug/L	1	1.10	10.0	10	EPA 6010C	10/27/09 15:42	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	10/27/09 15:42	JDH	
Lead [7439-92-1] ^	**3.93**	J	ug/L	1	1.90	10.0	10	EPA 6010C	10/27/09 15:42	JDH	
Nickel [7440-02-0] ^	**8.21**	J	ug/L	1	1.80	10.0	50	EPA 6010C	10/27/09 15:42	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	10/27/09 15:42	JDH	
Silver [7440-22-4] ^	**2.60**	J	ug/L	1	1.90	10.0	10	EPA 6010C	10/27/09 15:42	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	10/26/09 11:06	VLO	
Tin [7440-31-5] ^	**8.24**	J	ug/L	1	2.10	10.0	100	EPA 6010C	10/27/09 15:42	JDH	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	10/27/09 15:42	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	10/27/09 15:42	JDH	

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Description: 4103-DUPLICATE II
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912263-02
Sampled: 10/20/09 07:00
Sampled By: Gary Simcox

Received: 10/21/09 13:30
Work Order: C912263

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Cyanide (total) [57-12-5] ^	0.0047	U	mg/L	1	0.0047	0.0050	10	EPA 335.4	10/29/09 10:47	PEV	
Sulfide [18496-25-8] ^	0.031	U	mg/L	1	0.031	0.10	1	SM18 4500-S D	10/26/09 16:00	GPW	

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Description: 4103-DUPLICATE II
Matrix: Water
Project: White Street LF App II (Phase II)

Lab Sample ID: C912263-02
Sampled: 10/20/09 07:00
Sampled By: Gary Simcox

Received: 10/21/09 13:30
Work Order: C912263

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
2,4,5-T [93-76-5] ^	0.053	U	ug/L	1	0.053	0.50	2	EPA 8151A	10/27/09 02:09	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.056	U	ug/L	1	0.056	0.50	2	EPA 8151A	10/27/09 02:09	RGG	
2,4-D [94-75-7] ^	0.091	U	ug/L	1	0.091	0.50	2	EPA 8151A	10/27/09 02:09	RGG	
Dinoseb [88-85-7] ^	0.28	U	ug/L	1	0.28	0.50	1	EPA 8151A	10/27/09 02:09	RGG	
Pentachlorophenol [87-86-5] ^	0.043	U	ug/L	1	0.043	0.50	25	EPA 8151A	10/27/09 02:09	RGG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*1.4*	*1*	*2.00*	*68 %*	*68-139*	*9122019*	*EPA 8151A*	*10/27/09 02:09*	*RGG*	

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

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 9J16018 - EPA 5030B_MS

Blank (9J16018-BLK1) Prepared: 10/16/2009 11:24 Analyzed: 10/17/2009 12:21

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.40	U	1.0	ug/L							
1,1,1-Trichloroethane	0.27	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.33	U	1.0	ug/L							
1,1,2-Trichloroethane	0.37	U	1.0	ug/L							
1,1-Dichloroethane	0.33	U	1.0	ug/L							
1,1-Dichloroethene	0.24	U	1.0	ug/L							
1,1-Dichloropropene	0.32	U	1.0	ug/L							
1,2,3-Trichloropropane	0.55	U	1.0	ug/L							
1,2,4-Trichlorobenzene	0.36	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	0.27	U	1.0	ug/L							
1,2-Dichloroethane	0.65	U	1.0	ug/L							
1,2-Dichloropropane	0.20	U	1.0	ug/L							
1,3-Dichlorobenzene	0.30	U	1.0	ug/L							
1,3-Dichloropropane	0.32	U	1.0	ug/L							
1,4-Dichlorobenzene	0.38	U	1.0	ug/L							
2,2-Dichloropropane	0.55	U	1.0	ug/L							
2-Butanone	1.0	U	5.0	ug/L							
2-Hexanone	0.69	U	5.0	ug/L							
3-Chloropropene	0.28	U	1.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.5	U	5.0	ug/L							
Acetonitrile	2.8	U	10	ug/L							
Acrolein	3.0	U	10	ug/L							
Acrylonitrile	2.1	U	10	ug/L							
Benzene	0.20	U	1.0	ug/L							
Bromochloromethane	0.42	U	1.0	ug/L							
Bromodichloromethane	0.37	U	1.0	ug/L							
Bromoform	0.71	U	1.0	ug/L							
Bromomethane	0.49	U	1.0	ug/L							
Carbon disulfide	0.54	U	5.0	ug/L							
Carbon tetrachloride	0.38	U	1.0	ug/L							
Chlorobenzene	0.27	U	1.0	ug/L							
Chloroethane	0.30	U	1.0	ug/L							
Chloroform	0.20	U	1.0	ug/L							
Chloromethane	0.34	U	1.0	ug/L							
Chloroprene	0.24	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.36	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.28	U	1.0	ug/L							
Dibromochloromethane	0.32	U	1.0	ug/L							
Dibromomethane	0.37	U	1.0	ug/L							
Dichlorodifluoromethane	0.38	U	1.0	ug/L							
Ethyl Methacrylate	0.32	U	1.0	ug/L							
Ethylbenzene	0.20	U	1.0	ug/L							
Hexachlorobutadiene	0.35	U	1.0	ug/L							
Iodomethane	0.52	U	5.0	ug/L							
Isobutyl alcohol	14	U	50	ug/L							
m,p-Xylenes	0.48	U	2.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 9J16018 - EPA 5030B_MS

Blank (9J16018-BLK1) Continued Prepared: 10/16/2009 11:24 Analyzed: 10/17/2009 12:21

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Methacrylonitrile	2.8	U	10	ug/L							
Methyl Methacrylate	0.53	U	1.0	ug/L							
Methylene chloride	0.53	U	1.0	ug/L							
Naphthalene	0.39	U	1.0	ug/L							
o-Xylene	0.27	U	1.0	ug/L							
Propionitrile	4.8	U	10	ug/L							
Styrene	0.26	U	1.0	ug/L							
Tetrachloroethene	0.36	U	1.0	ug/L							
Toluene	0.27	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.34	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.38	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.54	U	1.0	ug/L							
Trichloroethene	0.38	U	1.0	ug/L							
Trichlorofluoromethane	0.28	U	1.0	ug/L							
Vinyl acetate	0.98	U	5.0	ug/L							
Vinyl chloride	0.30	U	1.0	ug/L							
Xylenes (Total)	0.40	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*40*			*ug/L*	*50.0*		*79*	*51-122*			
Surrogate: Dibromofluoromethane	*36*			*ug/L*	*50.0*		*72*	*68-117*			
Surrogate: Toluene-d8	*38*			*ug/L*	*50.0*		*75*	*69-110*			

LCS (9J16018-BS1) Prepared: 10/16/2009 11:24 Analyzed: 10/17/2009 12:51

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0		99	75-133			
Benzene	19		1.0	ug/L	20.0		94	81-134			
Chlorobenzene	20		1.0	ug/L	20.0		99	83-117			
Toluene	20		1.0	ug/L	20.0		100	71-118			
Trichloroethene	19		1.0	ug/L	20.0		93	75-115			
Surrogate: 4-Bromofluorobenzene	*41*			*ug/L*	*50.0*		*82*	*51-122*			
Surrogate: Dibromofluoromethane	*37*			*ug/L*	*50.0*		*74*	*68-117*			
Surrogate: Toluene-d8	*38*			*ug/L*	*50.0*		*75*	*69-110*			

Matrix Spike (9J16018-MS1) Prepared: 10/16/2009 11:24 Analyzed: 10/17/2009 13:21

Source: C911952-09

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	0.24 U	87	75-133			
Benzene	17		1.0	ug/L	20.0	0.20 U	87	81-134			
Chlorobenzene	18		1.0	ug/L	20.0	0.27 U	91	83-117			
Toluene	19		1.0	ug/L	20.0	0.27 U	93	71-118			
Trichloroethene	17		1.0	ug/L	20.0	0.38 U	87	75-115			
Surrogate: 4-Bromofluorobenzene	*40*			*ug/L*	*50.0*		*80*	*51-122*			
Surrogate: Dibromofluoromethane	*36*			*ug/L*	*50.0*		*73*	*68-117*			
Surrogate: Toluene-d8	*37*			*ug/L*	*50.0*		*75*	*69-110*			

Matrix Spike Dup (9J16018-MSD1) Prepared: 10/16/2009 11:24 Analyzed: 10/17/2009 13:52

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 9J16018 - EPA 5030B_MS

Matrix Spike Dup (9J16018-MSD1) Continued Prepared: 10/16/2009 11:24 Analyzed: 10/17/2009 13:52

Source: C911952-09

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	0.24 U	88	75-133	1	20	
Benzene	18		1.0	ug/L	20.0	0.20 U	91	81-134	4	17	
Chlorobenzene	19		1.0	ug/L	20.0	0.27 U	94	83-117	4	16	
Toluene	19		1.0	ug/L	20.0	0.27 U	95	71-118	2	17	
Trichloroethene	18		1.0	ug/L	20.0	0.38 U	91	75-115	4	18	
Surrogate: 4-Bromofluorobenzene	*39*			*ug/L*	*50.0*		*78*	*51-122*			
Surrogate: Dibromofluoromethane	*35*			*ug/L*	*50.0*		*71*	*68-117*			
Surrogate: Toluene-d8	*37*			*ug/L*	*50.0*		*75*	*69-110*			

Batch 9J17001 - EPA 5030B_MS

Blank (9J17001-BLK1) Prepared: 10/17/2009 09:52 Analyzed: 10/18/2009 01:30

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.40	U	1.0	ug/L							
1,1,1-Trichloroethane	0.27	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.33	U	1.0	ug/L							
1,1,2-Trichloroethane	0.37	U	1.0	ug/L							
1,1-Dichloroethane	0.33	U	1.0	ug/L							
1,1-Dichloroethene	0.24	U	1.0	ug/L							
1,1-Dichloropropene	0.32	U	1.0	ug/L							
1,2,3-Trichloropropane	0.55	U	1.0	ug/L							
1,2,4-Trichlorobenzene	0.36	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	0.27	U	1.0	ug/L							
1,2-Dichloroethane	0.65	U	1.0	ug/L							
1,2-Dichloropropane	0.20	U	1.0	ug/L							
1,3-Dichlorobenzene	0.30	U	1.0	ug/L							
1,3-Dichloropropane	0.32	U	1.0	ug/L							
1,4-Dichlorobenzene	0.38	U	1.0	ug/L							
2,2-Dichloropropane	0.55	U	1.0	ug/L							
2-Butanone	1.0	U	5.0	ug/L							
2-Hexanone	0.69	U	5.0	ug/L							
3-Chloropropene	0.28	U	1.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.5	U	5.0	ug/L							
Acetonitrile	2.8	U	10	ug/L							
Acrolein	3.0	U	10	ug/L							
Acrylonitrile	2.1	U	10	ug/L							
Benzene	0.20	U	1.0	ug/L							
Bromochloromethane	0.42	U	1.0	ug/L							
Bromodichloromethane	0.37	U	1.0	ug/L							
Bromoform	0.71	U	1.0	ug/L							
Bromomethane	0.49	U	1.0	ug/L							
Carbon disulfide	0.54	U	5.0	ug/L							
Carbon tetrachloride	0.38	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 9J17001 - EPA 5030B_MS

Blank (9J17001-BLK1) Continued Prepared: 10/17/2009 09:52 Analyzed: 10/18/2009 01:30

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chlorobenzene	0.27	U	1.0	ug/L							
Chloroethane	0.30	U	1.0	ug/L							
Chloroform	0.20	U	1.0	ug/L							
Chloromethane	0.34	U	1.0	ug/L							
Chloroprene	0.24	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.36	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.28	U	1.0	ug/L							
Dibromochloromethane	0.32	U	1.0	ug/L							
Dibromomethane	0.37	U	1.0	ug/L							
Dichlorodifluoromethane	0.38	U	1.0	ug/L							
Ethyl Methacrylate	0.32	U	1.0	ug/L							
Ethylbenzene	0.20	U	1.0	ug/L							
Hexachlorobutadiene	0.35	U	1.0	ug/L							
Iodomethane	0.52	U	5.0	ug/L							
Isobutyl alcohol	14	U	50	ug/L							
m,p-Xylenes	0.48	U	2.0	ug/L							
Methacrylonitrile	2.8	U	10	ug/L							
Methyl Methacrylate	0.53	U	1.0	ug/L							
Methylene chloride	0.53	U	1.0	ug/L							
Naphthalene	0.39	U	1.0	ug/L							
o-Xylene	0.27	U	1.0	ug/L							
Propionitrile	4.8	U	10	ug/L							
Styrene	0.26	U	1.0	ug/L							
Tetrachloroethene	0.36	U	1.0	ug/L							
Toluene	0.27	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.34	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.38	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.54	U	1.0	ug/L							
Trichloroethene	0.38	U	1.0	ug/L							
Trichlorofluoromethane	0.28	U	1.0	ug/L							
Vinyl acetate	0.98	U	5.0	ug/L							
Vinyl chloride	0.30	U	1.0	ug/L							
Xylenes (Total)	0.40	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*39*			*ug/L*	*50.0*		*78*	*51-122*			
Surrogate: Dibromofluoromethane	*35*			*ug/L*	*50.0*		*70*	*68-117*			
Surrogate: Toluene-d8	*36*			*ug/L*	*50.0*		*73*	*69-110*			

LCS (9J17001-BS1) Prepared: 10/17/2009 09:52 Analyzed: 10/18/2009 02:01

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		91	75-133			
Benzene	18		1.0	ug/L	20.0		89	81-134			
Chlorobenzene	19		1.0	ug/L	20.0		93	83-117			
Toluene	19		1.0	ug/L	20.0		94	71-118			
Trichloroethene	17		1.0	ug/L	20.0		87	75-115			
Surrogate: 4-Bromofluorobenzene	*40*			*ug/L*	*50.0*		*80*	*51-122*			
Surrogate: Dibromofluoromethane	*36*			*ug/L*	*50.0*		*72*	*68-117*			
Surrogate: Toluene-d8	*37*			*ug/L*	*50.0*		*74*	*69-110*			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 9J17001 - EPA 5030B_MS

Matrix Spike (9J17001-MS1) Prepared: 10/17/2009 09:52 Analyzed: 10/18/2009 02:31

Source: C912148-04

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	0.24 U	92	75-133			
Benzene	19		1.0	ug/L	20.0	0.20 U	93	81-134			
Chlorobenzene	19		1.0	ug/L	20.0	0.27 U	96	83-117			
Toluene	19		1.0	ug/L	20.0	0.27 U	95	71-118			
Trichloroethene	18		1.0	ug/L	20.0	0.38 U	90	75-115			
Surrogate: 4-Bromofluorobenzene	*40*			*ug/L*	*50.0*		*80*	*51-122*			
Surrogate: Dibromofluoromethane	*36*			*ug/L*	*50.0*		*73*	*68-117*			
Surrogate: Toluene-d8	*38*			*ug/L*	*50.0*		*75*	*69-110*			

Matrix Spike Dup (9J17001-MSD1) Prepared: 10/17/2009 09:52 Analyzed: 10/18/2009 03:01

Source: C912148-04

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	0.24 U	87	75-133	6	20	
Benzene	17		1.0	ug/L	20.0	0.20 U	87	81-134	6	17	
Chlorobenzene	19		1.0	ug/L	20.0	0.27 U	94	83-117	1	16	
Toluene	19		1.0	ug/L	20.0	0.27 U	95	71-118	0.5	17	
Trichloroethene	18		1.0	ug/L	20.0	0.38 U	89	75-115	1	18	
Surrogate: 4-Bromofluorobenzene	*40*			*ug/L*	*50.0*		*79*	*51-122*			
Surrogate: Dibromofluoromethane	*36*			*ug/L*	*50.0*		*71*	*68-117*			
Surrogate: Toluene-d8	*37*			*ug/L*	*50.0*		*74*	*69-110*			

Batch 9J21028 - EPA 5030B_MS

Blank (9J21028-BLK1) Prepared: 10/21/2009 13:32 Analyzed: 10/21/2009 14:55

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.40	U	1.0	ug/L							
1,1,1-Trichloroethane	0.27	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.33	U	1.0	ug/L							
1,1,2-Trichloroethane	0.37	U	1.0	ug/L							
1,1-Dichloroethane	0.33	U	1.0	ug/L							
1,1-Dichloroethene	0.24	U	1.0	ug/L							
1,1-Dichloropropene	0.32	U	1.0	ug/L							
1,2,3-Trichloropropane	0.55	U	1.0	ug/L							
1,2,4-Trichlorobenzene	0.36	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	0.27	U	1.0	ug/L							
1,2-Dichloroethane	0.65	U	1.0	ug/L							
1,2-Dichloropropane	0.20	U	1.0	ug/L							
1,3-Dichlorobenzene	0.30	U	1.0	ug/L							
1,3-Dichloropropane	0.32	U	1.0	ug/L							
1,4-Dichlorobenzene	0.38	U	1.0	ug/L							
2,2-Dichloropropane	0.55	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 9J21028 - EPA 5030B_MS

Blank (9J21028-BLK1) Continued Prepared: 10/21/2009 13:32 Analyzed: 10/21/2009 14:55

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Butanone	1.0	U	5.0	ug/L							
2-Hexanone	0.69	U	5.0	ug/L							
3-Chloropropene	0.28	U	1.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.5	U	5.0	ug/L							
Acetonitrile	2.8	U	10	ug/L							
Acrolein	3.0	U	10	ug/L							
Acrylonitrile	2.1	U	10	ug/L							
Benzene	0.20	U	1.0	ug/L							
Bromochloromethane	0.42	U	1.0	ug/L							
Bromodichloromethane	0.37	U	1.0	ug/L							
Bromoform	0.71	U	1.0	ug/L							
Bromomethane	0.49	U	1.0	ug/L							
Carbon disulfide	0.54	U	5.0	ug/L							
Carbon tetrachloride	0.38	U	1.0	ug/L							
Chlorobenzene	0.27	U	1.0	ug/L							
Chloroethane	0.30	U	1.0	ug/L							
Chloroform	0.20	U	1.0	ug/L							
Chloromethane	0.34	U	1.0	ug/L							
Chloroprene	0.24	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.36	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.28	U	1.0	ug/L							
Dibromochloromethane	0.32	U	1.0	ug/L							
Dibromomethane	0.37	U	1.0	ug/L							
Dichlorodifluoromethane	0.38	U	1.0	ug/L							
Ethyl Methacrylate	0.32	U	1.0	ug/L							
Ethylbenzene	0.20	U	1.0	ug/L							
Hexachlorobutadiene	0.35	U	1.0	ug/L							
Iodomethane	0.52	U	5.0	ug/L							
Isobutyl alcohol	14	U	50	ug/L							
m,p-Xylenes	0.48	U	2.0	ug/L							
Methacrylonitrile	2.8	U	10	ug/L							
Methyl Methacrylate	0.53	U	1.0	ug/L							
Methylene chloride	0.53	U	1.0	ug/L							
Naphthalene	0.39	U	1.0	ug/L							
o-Xylene	0.27	U	1.0	ug/L							
Propionitrile	4.8	U	10	ug/L							
Styrene	0.26	U	1.0	ug/L							
Tetrachloroethene	0.36	U	1.0	ug/L							
Toluene	0.27	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.34	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.38	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.54	U	1.0	ug/L							
Trichloroethene	0.38	U	1.0	ug/L							
Trichlorofluoromethane	0.28	U	1.0	ug/L							
Vinyl acetate	0.98	U	5.0	ug/L							
Vinyl chloride	0.30	U	1.0	ug/L							
Xylenes (Total)	0.40	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 9J21028 - EPA 5030B_MS

Blank (9J21028-BLK1) Continued Prepared: 10/21/2009 13:32 Analyzed: 10/21/2009 14:55

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: 4-Bromofluorobenzene	*53*			*ug/L*	*50.0*		*106*	*51-122*			
Surrogate: Dibromofluoromethane	*50*			*ug/L*	*50.0*		*100*	*68-117*			
Surrogate: Toluene-d8	*52*			*ug/L*	*50.0*		*105*	*69-110*			

LCS (9J21028-BS1) Prepared: 10/21/2009 13:32 Analyzed: 10/21/2009 15:25

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0		100	75-133			
Benzene	19		1.0	ug/L	20.0		96	81-134			
Chlorobenzene	19		1.0	ug/L	20.0		97	83-117			
Toluene	21		1.0	ug/L	20.0		107	71-118			
Trichloroethene	19		1.0	ug/L	20.0		97	75-115			
Surrogate: 4-Bromofluorobenzene	*53*			*ug/L*	*50.0*		*107*	*51-122*			
Surrogate: Dibromofluoromethane	*49*			*ug/L*	*50.0*		*97*	*68-117*			
Surrogate: Toluene-d8	*52*			*ug/L*	*50.0*		*105*	*69-110*			

Matrix Spike (9J21028-MS1) Prepared: 10/21/2009 13:32 Analyzed: 10/21/2009 15:54

Source: C912210-09

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	0.24 U	102	75-133			
Benzene	19		1.0	ug/L	20.0	0.20 U	97	81-134			
Chlorobenzene	20		1.0	ug/L	20.0	0.27 U	98	83-117			
Toluene	21		1.0	ug/L	20.0	0.27 U	105	71-118			
Trichloroethene	19		1.0	ug/L	20.0	0.38 U	95	75-115			
Surrogate: 4-Bromofluorobenzene	*54*			*ug/L*	*50.0*		*108*	*51-122*			
Surrogate: Dibromofluoromethane	*48*			*ug/L*	*50.0*		*96*	*68-117*			
Surrogate: Toluene-d8	*53*			*ug/L*	*50.0*		*106*	*69-110*			

Matrix Spike Dup (9J21028-MSD1) Prepared: 10/21/2009 13:32 Analyzed: 10/21/2009 16:23

Source: C912210-09

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	0.24 U	100	75-133	2	20	
Benzene	19		1.0	ug/L	20.0	0.20 U	95	81-134	3	17	
Chlorobenzene	19		1.0	ug/L	20.0	0.27 U	94	83-117	4	16	
Toluene	20		1.0	ug/L	20.0	0.27 U	102	71-118	3	17	
Trichloroethene	19		1.0	ug/L	20.0	0.38 U	94	75-115	0.8	18	
Surrogate: 4-Bromofluorobenzene	*52*			*ug/L*	*50.0*		*105*	*51-122*			
Surrogate: Dibromofluoromethane	*48*			*ug/L*	*50.0*		*97*	*68-117*			
Surrogate: Toluene-d8	*52*			*ug/L*	*50.0*		*105*	*69-110*			

Batch 9J22037 - EPA 5030B_MS

Blank (9J22037-BLK1) Prepared: 10/22/2009 15:30 Analyzed: 10/22/2009 21:42

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 9J22037 - EPA 5030B_MS

Blank (9J22037-BLK1) Continued Prepared: 10/22/2009 15:30 Analyzed: 10/22/2009 21:42

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.40	U	1.0	ug/L							
1,1,1-Trichloroethane	0.27	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.33	U	1.0	ug/L							
1,1,2-Trichloroethane	0.37	U	1.0	ug/L							
1,1-Dichloroethane	0.33	U	1.0	ug/L							
1,1-Dichloroethene	0.24	U	1.0	ug/L							
1,1-Dichloropropene	0.32	U	1.0	ug/L							
1,2,3-Trichloropropane	0.55	U	1.0	ug/L							
1,2,4-Trichlorobenzene	0.36	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	0.27	U	1.0	ug/L							
1,2-Dichloroethane	0.65	U	1.0	ug/L							
1,2-Dichloropropane	0.20	U	1.0	ug/L							
1,3-Dichlorobenzene	0.30	U	1.0	ug/L							
1,3-Dichloropropane	0.32	U	1.0	ug/L							
1,4-Dichlorobenzene	0.38	U	1.0	ug/L							
2,2-Dichloropropane	0.55	U	1.0	ug/L							
2-Butanone	1.0	U	5.0	ug/L							
2-Hexanone	0.69	U	5.0	ug/L							
3-Chloropropene	0.28	U	1.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.5	U	5.0	ug/L							
Acetonitrile	2.8	U	10	ug/L							
Acrolein	3.0	U	10	ug/L							
Acrylonitrile	2.1	U	10	ug/L							
Benzene	0.20	U	1.0	ug/L							
Bromochloromethane	0.42	U	1.0	ug/L							
Bromodichloromethane	0.37	U	1.0	ug/L							
Bromoform	0.71	U	1.0	ug/L							
Bromomethane	0.49	U	1.0	ug/L							
Carbon disulfide	0.54	U	5.0	ug/L							
Carbon tetrachloride	0.38	U	1.0	ug/L							
Chlorobenzene	0.27	U	1.0	ug/L							
Chloroethane	0.30	U	1.0	ug/L							
Chloroform	0.20	U	1.0	ug/L							
Chloromethane	0.34	U	1.0	ug/L							
Chloroprene	0.24	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.36	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.28	U	1.0	ug/L							
Dibromochloromethane	0.32	U	1.0	ug/L							
Dibromomethane	0.37	U	1.0	ug/L							
Dichlorodifluoromethane	0.38	U	1.0	ug/L							
Ethyl Methacrylate	0.32	U	1.0	ug/L							
Ethylbenzene	0.20	U	1.0	ug/L							
Hexachlorobutadiene	0.35	U	1.0	ug/L							
Iodomethane	0.52	U	5.0	ug/L							
Isobutyl alcohol	14	U	50	ug/L							
m,p-Xylenes	0.48	U	2.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 9J22037 - EPA 5030B_MS

Blank (9J22037-BLK1) Continued Prepared: 10/22/2009 15:30 Analyzed: 10/22/2009 21:42

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Methacrylonitrile	2.8	U	10	ug/L							
Methyl Methacrylate	0.53	U	1.0	ug/L							
Methylene chloride	0.53	U	1.0	ug/L							
Naphthalene	0.39	U	1.0	ug/L							
o-Xylene	0.27	U	1.0	ug/L							
Propionitrile	4.8	U	10	ug/L							
Styrene	0.26	U	1.0	ug/L							
Tetrachloroethene	0.36	U	1.0	ug/L							
Toluene	0.27	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.34	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.38	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.54	U	1.0	ug/L							
Trichloroethene	0.38	U	1.0	ug/L							
Trichlorofluoromethane	0.28	U	1.0	ug/L							
Vinyl acetate	0.98	U	5.0	ug/L							
Vinyl chloride	0.30	U	1.0	ug/L							
Xylenes (Total)	0.40	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*51*			*ug/L*	*50.0*		*103*	*51-122*			
Surrogate: Dibromofluoromethane	*47*			*ug/L*	*50.0*		*95*	*68-117*			
Surrogate: Toluene-d8	*52*			*ug/L*	*50.0*		*103*	*69-110*			

LCS (9J22037-BS1) Prepared: 10/22/2009 15:30 Analyzed: 10/22/2009 22:11

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		96	75-133			
Benzene	19		1.0	ug/L	20.0		95	81-134			
Chlorobenzene	19		1.0	ug/L	20.0		95	83-117			
Toluene	21		1.0	ug/L	20.0		104	71-118			
Trichloroethene	19		1.0	ug/L	20.0		97	75-115			
Surrogate: 4-Bromofluorobenzene	*52*			*ug/L*	*50.0*		*104*	*51-122*			
Surrogate: Dibromofluoromethane	*48*			*ug/L*	*50.0*		*96*	*68-117*			
Surrogate: Toluene-d8	*52*			*ug/L*	*50.0*		*105*	*69-110*			

Matrix Spike (9J22037-MS1) Prepared: 10/22/2009 15:30 Analyzed: 10/22/2009 22:40

Source: C911898-10

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	0.24 U	106	75-133			
Benzene	20		1.0	ug/L	20.0	0.20 U	102	81-134			
Chlorobenzene	20		1.0	ug/L	20.0	0.27 U	102	83-117			
Toluene	22		1.0	ug/L	20.0	0.27 U	112	71-118			
Trichloroethene	20		1.0	ug/L	20.0	0.38 U	102	75-115			
Surrogate: 4-Bromofluorobenzene	*52*			*ug/L*	*50.0*		*103*	*51-122*			
Surrogate: Dibromofluoromethane	*47*			*ug/L*	*50.0*		*94*	*68-117*			
Surrogate: Toluene-d8	*52*			*ug/L*	*50.0*		*103*	*69-110*			

Matrix Spike Dup (9J22037-MSD1) Prepared: 10/22/2009 15:30 Analyzed: 10/22/2009 23:08

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 9J22037 - EPA 5030B_MS

Matrix Spike Dup (9J22037-MSD1) Continued Prepared: 10/22/2009 15:30 Analyzed: 10/22/2009 23:08

Source: C911898-10

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	0.24 U	105	75-133	0.9	20	
Benzene	20		1.0	ug/L	20.0	0.20 U	100	81-134	1	17	
Chlorobenzene	20		1.0	ug/L	20.0	0.27 U	100	83-117	3	16	
Toluene	22		1.0	ug/L	20.0	0.27 U	109	71-118	3	17	
Trichloroethene	20		1.0	ug/L	20.0	0.38 U	102	75-115	0.6	18	
Surrogate: 4-Bromofluorobenzene	*51*			*ug/L*	*50.0*		*103*	*51-122*			
Surrogate: Dibromofluoromethane	*47*			*ug/L*	*50.0*		*94*	*68-117*			
Surrogate: Toluene-d8	*51*			*ug/L*	*50.0*		*102*	*69-110*			

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 9J15012 - EPA 3510C_MS

Blank (9J15012-BLK1) Prepared: 10/15/2009 09:44 Analyzed: 10/19/2009 16:56

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4,5-Tetrachlorobenzene	1.7	U	10	ug/L							
1,3,5-Trinitrobenzene	1.4	U	10	ug/L							
1,3-Dinitrobenzene	1.0	U	10	ug/L							
1,4-Naphthoquinone	3.0	U	10	ug/L							
1,4-Phenylenediamine	4.0	U	10	ug/L							
1-Naphthylamine	2.5	U	10	ug/L							
2,3,4,6-Tetrachlorophenol	1.0	U	10	ug/L							
2,4,5-Trichlorophenol	1.1	U	10	ug/L							
2,4,6-Trichlorophenol	1.5	U	10	ug/L							
2,4-Dichlorophenol	2.0	U	10	ug/L							
2,4-Dimethylphenol	2.6	U	10	ug/L							
2,4-Dinitrophenol	2.6	U	10	ug/L							
2,6-Dichlorophenol	1.7	U	10	ug/L							
2,6-Dinitrotoluene	1.0	U	10	ug/L							
2-Acetylaminofluorene	1.3	U	10	ug/L							
2-Chloronaphthalene	1.1	U	10	ug/L							
2-Chlorophenol	1.9	U	10	ug/L							
2-Methyl-4,6-dinitrophenol	1.9	U	10	ug/L							
2-Methylnaphthalene	1.3	U	10	ug/L							
2-Methylphenol	2.0	U	10	ug/L							
2-Naphthylamine	4.0	U	10	ug/L							
2-Nitroaniline	1.2	U	10	ug/L							
2-Nitrophenol	2.3	U	10	ug/L							
3 & 4-Methylphenol	1.8	U	10	ug/L							
3,3'-Dichlorobenzidine	1.7	U	10	ug/L							
3,3'-Dimethylbenzidine	3.0	U	10	ug/L							
3-Methylcholanthrene	1.3	U	10	ug/L							
3-Nitroaniline	1.6	U	10	ug/L							
4-Aminobiphenyl	3.1	U	10	ug/L							
4-Bromophenyl-phenylether	1.0	U	10	ug/L							
4-Chloro-3-methylphenol	1.6	U	10	ug/L							
4-Chloroaniline	1.6	U	10	ug/L							

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 9J15012 - EPA 3510C_MS

Blank (9J15012-BLK1) Continued Prepared: 10/15/2009 09:44 Analyzed: 10/19/2009 16:56

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4-Chlorophenyl-phenylether	1.1	U	10	ug/L							
4-Nitroaniline	1.3	U	10	ug/L							
4-Nitrophenol	1.2	U	10	ug/L							
5-Nitro-o-toluidine	0.60	U	10	ug/L							
7,12-Dimethylbenz(a)anthracene	1.1	U	10	ug/L							
Acenaphthene	1.1	U	10	ug/L							
Acenaphthylene	1.1	U	10	ug/L							
Acetophenone	2.0	U	10	ug/L							
Benzyl alcohol	2.0	U	10	ug/L							
Bis(2-chloroethoxy)methane	1.9	U	10	ug/L							
Bis(2-chloroethyl)ether	1.9	U	10	ug/L							
Bis(2-chloroisopropyl)ether	1.8	U	10	ug/L							
Bis(2-ethylhexyl)phthalate	2.6	U	5.0	ug/L							
Butylbenzylphthalate	1.4	U	10	ug/L							
Dibenzofuran	1.3	U	10	ug/L							
Diethylphthalate	0.61	U	10	ug/L							
Dimethylphthalate	0.79	U	10	ug/L							
Di-n-butylphthalate	1.4	U	10	ug/L							
Di-n-octylphthalate	1.4	U	10	ug/L							
Ethyl methanesulfonate	1.1	U	10	ug/L							
Fluorene	1.1	U	10	ug/L							
Hexachlorocyclopentadiene	1.0	U	10	ug/L							
Hexachloroethane	0.97	U	10	ug/L							
Hexachloropropene	1.1	U	10	ug/L							
Isodrin	1.0	U	10	ug/L							
Isophorone	1.6	U	10	ug/L							
Isosafrole	1.3	U	10	ug/L							
Methapyrilene	3.8	U	10	ug/L							
Methyl Methanesulfonate	2.0	U	10	ug/L							
Nitrobenzene	1.9	U	10	ug/L							
N-Nitrosodiethylamine	1.9	U	10	ug/L							
N-Nitrosodimethylamine	1.4	U	10	ug/L							
N-Nitrosodi-n-butylamine	1.0	U	10	ug/L							
N-Nitroso-di-n-propylamine	1.8	U	10	ug/L							
N-nitrosodiphenylamine/Diphenylamine	1.1	U	10	ug/L							
N-Nitrosomethylethylamine	1.9	U	10	ug/L							
N-Nitrosopiperidine	1.5	U	10	ug/L							
N-Nitrosopyrrolidine	1.9	U	10	ug/L							
O,O,O-Triethyl phosphorothioate	2.0	U	10	ug/L							
o-Toluidine	1.5	U	10	ug/L							
Parathion	1.2	U	10	ug/L							
p-Dimethylaminoazobenzene	1.2	U	10	ug/L							
Phenacetin	1.0	U	10	ug/L							
Phenanthrene	0.74	U	10	ug/L							
Phenol	1.2	U	10	ug/L							
Pronamide	1.0	U	10	ug/L							
Safrole	1.9	U	10	ug/L							
Thionazin	1.2	U	10	ug/L							

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 9J15012 - EPA 3510C_MS

Blank (9J15012-BLK1) Continued Prepared: 10/15/2009 09:44 Analyzed: 10/19/2009 16:56

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: 2,4,6-Tribromophenol	*83*			*ug/L*	*100*		*83*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*39*			*ug/L*	*50.0*		*79*	*10-149*			
Surrogate: 2-Fluorophenol	*56*			*ug/L*	*100*		*56*	*10-110*			
Surrogate: Nitrobenzene-d5	*39*			*ug/L*	*50.0*		*77*	*10-149*			
Surrogate: Phenol-d5	*47*			*ug/L*	*100*		*47*	*10-88*			
Surrogate: Terphenyl-d14	*44*			*ug/L*	*50.0*		*88*	*10-188*			

LCS (9J15012-BS1) Prepared: 10/15/2009 09:44 Analyzed: 10/19/2009 17:23

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Chlorophenol	40		10	ug/L	50.0		80	40-109			
4-Chloro-3-methylphenol	46		10	ug/L	50.0		93	58-121			
4-Nitrophenol	31		10	ug/L	50.0		61	33-105			
Acenaphthene	42		10	ug/L	50.0		85	43-118			
N-Nitroso-di-n-propylamine	45		10	ug/L	50.0		90	48-126			
Phenol	24		10	ug/L	50.0		49	19-78			
Pyrene	44		10	ug/L	50.0		88	65-134			
Surrogate: 2,4,6-Tribromophenol	*91*			*ug/L*	*100*		*91*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*42*			*ug/L*	*50.0*		*83*	*10-149*			
Surrogate: 2-Fluorophenol	*58*			*ug/L*	*100*		*58*	*10-110*			
Surrogate: Nitrobenzene-d5	*41*			*ug/L*	*50.0*		*83*	*10-149*			
Surrogate: Phenol-d5	*47*			*ug/L*	*100*		*47*	*10-88*			
Surrogate: Terphenyl-d14	*43*			*ug/L*	*50.0*		*85*	*10-188*			

Matrix Spike (9J15012-MS1) Prepared: 10/15/2009 09:44 Analyzed: 10/19/2009 18:15

Source: C911952-05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Chlorophenol	35		10	ug/L	50.0	1.9 U	71	40-109			
4-Chloro-3-methylphenol	45		10	ug/L	50.0	1.6 U	89	58-121			
4-Nitrophenol	29		10	ug/L	50.0	1.2 U	59	33-105			
Acenaphthene	40		10	ug/L	50.0	1.1 U	79	43-118			
N-Nitroso-di-n-propylamine	41		10	ug/L	50.0	1.8 U	81	48-126			
Phenol	22		10	ug/L	50.0	1.2 U	44	19-78			
Pyrene	44		10	ug/L	50.0	1.3 U	87	65-134			
Surrogate: 2,4,6-Tribromophenol	*88*			*ug/L*	*100*		*88*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*38*			*ug/L*	*50.0*		*77*	*10-149*			
Surrogate: 2-Fluorophenol	*51*			*ug/L*	*100*		*51*	*10-110*			
Surrogate: Nitrobenzene-d5	*37*			*ug/L*	*50.0*		*75*	*10-149*			
Surrogate: Phenol-d5	*43*			*ug/L*	*100*		*43*	*10-88*			
Surrogate: Terphenyl-d14	*44*			*ug/L*	*50.0*		*87*	*10-188*			

Matrix Spike Dup (9J15012-MSD1) Prepared: 10/15/2009 09:44 Analyzed: 10/19/2009 18:42

Source: C911952-05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Chlorophenol	41		10	ug/L	50.0	1.9 U	81	40-109	14	22	

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 9J15012 - EPA 3510C_MS

Matrix Spike Dup (9J15012-MSD1) Continued Prepared: 10/15/2009 09:44 Analyzed: 10/19/2009 18:42

Source: C911952-05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4-Chloro-3-methylphenol	48		10	ug/L	50.0	1.6 U	96	58-121	7	22	
4-Nitrophenol	33		10	ug/L	50.0	1.2 U	66	33-105	12	27	
Acenaphthene	43		10	ug/L	50.0	1.1 U	85	43-118	7	21	
N-Nitroso-di-n-propylamine	45		10	ug/L	50.0	1.8 U	90	48-126	10	23	
Phenol	27		10	ug/L	50.0	1.2 U	54	19-78	21	18	QR-02
Pyrene	45		10	ug/L	50.0	1.3 U	89	65-134	2	16	
Surrogate: 2,4,6-Tribromophenol	*93*			*ug/L*	*100*		*93*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*41*			*ug/L*	*50.0*		*82*	*10-149*			
Surrogate: 2-Fluorophenol	*64*			*ug/L*	*100*		*64*	*10-110*			
Surrogate: Nitrobenzene-d5	*41*			*ug/L*	*50.0*		*82*	*10-149*			
Surrogate: Phenol-d5	*53*			*ug/L*	*100*		*53*	*10-88*			
Surrogate: Terphenyl-d14	*44*			*ug/L*	*50.0*		*87*	*10-188*			

Batch 9J20005 - EPA 3510C_MS

Blank (9J20005-BLK1) Prepared: 10/20/2009 08:57 Analyzed: 10/20/2009 18:41

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4,5-Tetrachlorobenzene	1.7	U	10	ug/L							
1,3,5-Trinitrobenzene	1.4	U	10	ug/L							
1,3-Dinitrobenzene	1.0	U	10	ug/L							
1,4-Naphthoquinone	3.0	U	10	ug/L							
1,4-Phenylenediamine	4.0	U	10	ug/L							
1-Naphthylamine	2.5	U	10	ug/L							
2,3,4,6-Tetrachlorophenol	1.0	U	10	ug/L							
2,4,5-Trichlorophenol	1.1	U	10	ug/L							
2,4,6-Trichlorophenol	1.5	U	10	ug/L							
2,4-Dichlorophenol	2.0	U	10	ug/L							
2,4-Dimethylphenol	2.6	U	10	ug/L							
2,4-Dinitrophenol	2.6	U	10	ug/L							
2,6-Dichlorophenol	1.7	U	10	ug/L							
2,6-Dinitrotoluene	1.0	U	10	ug/L							
2-Acetylaminofluorene	1.3	U	10	ug/L							QV-01
2-Chloronaphthalene	1.1	U	10	ug/L							
2-Chlorophenol	1.9	U	10	ug/L							
2-Methyl-4,6-dinitrophenol	1.9	U	10	ug/L							
2-Methylnaphthalene	1.3	U	10	ug/L							
2-Methylphenol	2.0	U	10	ug/L							
2-Naphthylamine	4.0	U	10	ug/L							
2-Nitroaniline	1.2	U	10	ug/L							
2-Nitrophenol	2.3	U	10	ug/L							
3 & 4-Methylphenol	1.8	U	20	ug/L							
3,3'-Dichlorobenzidine	1.7	U	10	ug/L							
3,3'-Dimethylbenzidine	3.0	U	10	ug/L							
3-Methylcholanthrene	1.3	U	10	ug/L							
3-Nitroaniline	1.6	U	10	ug/L							
4-Aminobiphenyl	3.1	U	10	ug/L							

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 9J20005 - EPA 3510C_MS

Blank (9J20005-BLK1) Continued Prepared: 10/20/2009 08:57 Analyzed: 10/20/2009 18:41

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4-Bromophenyl-phenylether	1.0	U	10	ug/L							
4-Chloro-3-methylphenol	1.6	U	10	ug/L							
4-Chloroaniline	1.6	U	10	ug/L							
4-Chlorophenyl-phenylether	1.1	U	10	ug/L							
4-Nitroaniline	1.3	U	10	ug/L							
4-Nitrophenol	1.2	U	10	ug/L							
5-Nitro-o-toluidine	0.60	U	10	ug/L							
7,12-Dimethylbenz(a)anthracene	1.1	U	10	ug/L							QV-01
Acenaphthene	1.1	U	10	ug/L							
Acenaphthylene	1.1	U	10	ug/L							
Acetophenone	2.0	U	10	ug/L							
Benzyl alcohol	2.0	U	10	ug/L							
Bis(2-chloroethoxy)methane	1.9	U	10	ug/L							
Bis(2-chloroethyl)ether	1.9	U	10	ug/L							
Bis(2-chloroisopropyl)ether	1.8	U	10	ug/L							
Bis(2-ethylhexyl)phthalate	2.6	U	5.0	ug/L							
Butylbenzylphthalate	1.4	U	10	ug/L							
Dibenzofuran	1.3	U	10	ug/L							
Diethylphthalate	0.61	U	10	ug/L							
Dimethylphthalate	0.79	U	10	ug/L							
Di-n-butylphthalate	1.4	U	10	ug/L							
Di-n-octylphthalate	1.4	U	10	ug/L							
Ethyl methanesulfonate	1.1	U	10	ug/L							
Fluorene	1.1	U	10	ug/L							
Hexachlorocyclopentadiene	1.0	U	10	ug/L							
Hexachloroethane	0.97	U	10	ug/L							
Hexachloropropene	1.1	U	10	ug/L							
Isodrin	1.0	U	10	ug/L							
Isophorone	1.6	U	10	ug/L							
Isosafrole	1.3	U	10	ug/L							
Methapyrilene	3.8	U	10	ug/L							
Methyl Methanesulfonate	2.0	U	10	ug/L							
Nitrobenzene	1.9	U	10	ug/L							
N-Nitrosodiethylamine	1.9	U	10	ug/L							
N-Nitrosodimethylamine	1.4	U	10	ug/L							
N-Nitrosodi-n-butylamine	1.0	U	10	ug/L							
N-Nitroso-di-n-propylamine	1.8	U	10	ug/L							
N-nitrosodiphenylamine/Diphenylamine	1.1	U	10	ug/L							
N-Nitrosomethylethylamine	1.9	U	10	ug/L							
N-Nitrosopiperidine	1.5	U	10	ug/L							
N-Nitrosopyrrolidine	1.9	U	10	ug/L							
O,O,O-Triethyl phosphorothioate	2.0	U	10	ug/L							
o-Toluidine	1.5	U	10	ug/L							
Parathion	1.2	U	10	ug/L							
p-Dimethylaminoazobenzene	1.2	U	10	ug/L							
Phenacetin	1.0	U	10	ug/L							
Phenanthrene	0.74	U	10	ug/L							
Phenol	1.2	U	10	ug/L							
Pronamide	1.0	U	10	ug/L							

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 9J20005 - EPA 3510C_MS

Blank (9J20005-BLK1) Continued Prepared: 10/20/2009 08:57 Analyzed: 10/20/2009 18:41

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Safrole	1.9	U	10	ug/L							
Thionazin	1.2	U	10	ug/L							
Surrogate: 2,4,6-Tribromophenol	*82*			*ug/L*	*100*		*82*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*39*			*ug/L*	*50.0*		*78*	*10-149*			
Surrogate: 2-Fluorophenol	*61*			*ug/L*	*100*		*61*	*10-110*			
Surrogate: Nitrobenzene-d5	*39*			*ug/L*	*50.0*		*78*	*10-149*			
Surrogate: Phenol-d5	*48*			*ug/L*	*100*		*48*	*10-88*			
Surrogate: Terphenyl-d14	*44*			*ug/L*	*50.0*		*87*	*10-188*			

LCS (9J20005-BS1) Prepared: 10/20/2009 08:57 Analyzed: 10/20/2009 19:07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Chlorophenol	41		10	ug/L	50.0		82	40-109			
4-Chloro-3-methylphenol	44		10	ug/L	50.0		89	58-121			
4-Nitrophenol	30		10	ug/L	50.0		61	33-105			
Acenaphthene	41		10	ug/L	50.0		82	43-118			
N-Nitroso-di-n-propylamine	42		10	ug/L	50.0		84	48-126			
Phenol	29		10	ug/L	50.0		58	19-78			
Pyrene	42		10	ug/L	50.0		83	65-134			
Surrogate: 2,4,6-Tribromophenol	*87*			*ug/L*	*100*		*87*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*40*			*ug/L*	*50.0*		*80*	*10-149*			
Surrogate: 2-Fluorophenol	*63*			*ug/L*	*100*		*63*	*10-110*			
Surrogate: Nitrobenzene-d5	*40*			*ug/L*	*50.0*		*81*	*10-149*			
Surrogate: Phenol-d5	*50*			*ug/L*	*100*		*50*	*10-88*			
Surrogate: Terphenyl-d14	*42*			*ug/L*	*50.0*		*84*	*10-188*			

Matrix Spike (9J20005-MS1) Prepared: 10/20/2009 08:57 Analyzed: 10/20/2009 19:59

Source: C912210-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Chlorophenol	38		10	ug/L	50.0	1.9 U	76	40-109			
4-Chloro-3-methylphenol	45		10	ug/L	50.0	1.6 U	91	58-121			
4-Nitrophenol	32		10	ug/L	50.0	1.2 U	64	33-105			
Acenaphthene	41		10	ug/L	50.0	1.1 U	82	43-118			
N-Nitroso-di-n-propylamine	40		10	ug/L	50.0	1.8 U	80	48-126			
Phenol	26		10	ug/L	50.0	1.2 U	52	19-78			
Pyrene	44		10	ug/L	50.0	1.3 U	88	65-134			
Surrogate: 2,4,6-Tribromophenol	*91*			*ug/L*	*100*		*91*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*39*			*ug/L*	*50.0*		*77*	*10-149*			
Surrogate: 2-Fluorophenol	*58*			*ug/L*	*100*		*58*	*10-110*			
Surrogate: Nitrobenzene-d5	*39*			*ug/L*	*50.0*		*77*	*10-149*			
Surrogate: Phenol-d5	*46*			*ug/L*	*100*		*46*	*10-88*			
Surrogate: Terphenyl-d14	*45*			*ug/L*	*50.0*		*89*	*10-188*			

Matrix Spike Dup (9J20005-MSD1) Prepared: 10/20/2009 08:57 Analyzed: 10/20/2009 20:25

Source: C912210-02

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 9J20005 - EPA 3510C_MS

Matrix Spike Dup (9J20005-MSD1) Continued Prepared: 10/20/2009 08:57 Analyzed: 10/20/2009 20:25

Source: C912210-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Chlorophenol	40		10	ug/L	50.0	1.9 U	80	40-109	4	22	
4-Chloro-3-methylphenol	47		10	ug/L	50.0	1.6 U	94	58-121	3	22	
4-Nitrophenol	33		10	ug/L	50.0	1.2 U	67	33-105	4	27	
Acenaphthene	42		10	ug/L	50.0	1.1 U	84	43-118	3	21	
N-Nitroso-di-n-propylamine	42		10	ug/L	50.0	1.8 U	85	48-126	5	23	
Phenol	28		10	ug/L	50.0	1.2 U	56	19-78	7	18	
Pyrene	44		10	ug/L	50.0	1.3 U	88	65-134	0.4	16	
Surrogate: 2,4,6-Tribromophenol	*92*			*ug/L*	*100*		*92*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*40*			*ug/L*	*50.0*		*80*	*10-149*			
Surrogate: 2-Fluorophenol	*61*			*ug/L*	*100*		*61*	*10-110*			
Surrogate: Nitrobenzene-d5	*41*			*ug/L*	*50.0*		*81*	*10-149*			
Surrogate: Phenol-d5	*50*			*ug/L*	*100*		*50*	*10-88*			
Surrogate: Terphenyl-d14	*44*			*ug/L*	*50.0*		*88*	*10-188*			

Batch 9J23001 - EPA 3510C_MS

Blank (9J23001-BLK1) Prepared: 10/23/2009 07:59 Analyzed: 10/30/2009 02:05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4,5-Tetrachlorobenzene	1.7	U	10	ug/L							
1,3,5-Trinitrobenzene	1.4	U	10	ug/L							
1,3-Dinitrobenzene	1.0	U	10	ug/L							
1,4-Naphthoquinone	3.0	U	10	ug/L							
1,4-Phenylenediamine	4.0	U	10	ug/L							
1-Naphthylamine	2.5	U	10	ug/L							
2,3,4,6-Tetrachlorophenol	1.0	U	10	ug/L							
2,4,5-Trichlorophenol	1.1	U	10	ug/L							
2,4,6-Trichlorophenol	1.5	U	10	ug/L							
2,4-Dichlorophenol	2.0	U	10	ug/L							
2,4-Dimethylphenol	2.6	U	10	ug/L							
2,4-Dinitrophenol	2.6	U	10	ug/L							
2,6-Dichlorophenol	1.7	U	10	ug/L							
2,6-Dinitrotoluene	1.0	U	10	ug/L							
2-Acetylaminofluorene	1.3	U	10	ug/L							
2-Chloronaphthalene	1.1	U	10	ug/L							
2-Chlorophenol	1.9	U	10	ug/L							
2-Methyl-4,6-dinitrophenol	1.9	U	10	ug/L							
2-Methylnaphthalene	1.3	U	10	ug/L							
2-Methylphenol	2.0	U	10	ug/L							
2-Naphthylamine	4.0	U	10	ug/L							
2-Nitroaniline	1.2	U	10	ug/L							
2-Nitrophenol	2.3	U	10	ug/L							
3 & 4-Methylphenol	1.8	U	20	ug/L							
3,3'-Dichlorobenzidine	1.7	U	10	ug/L							
3,3'-Dimethylbenzidine	3.0	U	10	ug/L							
3-Methylcholanthrene	1.3	U	10	ug/L							
3-Nitroaniline	1.6	U	10	ug/L							

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 9J23001 - EPA 3510C_MS

Blank (9J23001-BLK1) Continued Prepared: 10/23/2009 07:59 Analyzed: 10/30/2009 02:05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4-Aminobiphenyl	3.1	U	10	ug/L							
4-Bromophenyl-phenylether	1.0	U	10	ug/L							
4-Chloro-3-methylphenol	1.6	U	10	ug/L							
4-Chloroaniline	1.6	U	10	ug/L							
4-Chlorophenyl-phenylether	1.1	U	10	ug/L							
4-Nitroaniline	1.3	U	10	ug/L							
4-Nitrophenol	1.2	U	10	ug/L							
5-Nitro-o-toluidine	0.60	U	10	ug/L							
7,12-Dimethylbenz(a)anthracene	1.1	U	10	ug/L							QV-01
Acenaphthene	1.1	U	10	ug/L							
Acenaphthylene	1.1	U	10	ug/L							
Acetophenone	2.0	U	10	ug/L							
Benzyl alcohol	2.0	U	10	ug/L							
Bis(2-chloroethoxy)methane	1.9	U	10	ug/L							
Bis(2-chloroethyl)ether	1.9	U	10	ug/L							
Bis(2-chloroisopropyl)ether	1.8	U	10	ug/L							
Bis(2-ethylhexyl)phthalate	2.6	U	5.0	ug/L							
Butylbenzylphthalate	1.4	U	10	ug/L							
Dibenzofuran	1.3	U	10	ug/L							
Diethylphthalate	0.61	U	10	ug/L							
Dimethylphthalate	0.79	U	10	ug/L							
Di-n-butylphthalate	1.4	U	10	ug/L							
Di-n-octylphthalate	1.4	U	10	ug/L							QV-01
Ethyl methanesulfonate	1.1	U	10	ug/L							
Fluorene	1.1	U	10	ug/L							
Hexachlorocyclopentadiene	1.0	U	10	ug/L							
Hexachloroethane	0.97	U	10	ug/L							
Hexachloropropene	1.1	U	10	ug/L							
Isodrin	1.0	U	10	ug/L							
Isophorone	1.6	U	10	ug/L							
Isosafrole	1.3	U	10	ug/L							
Methapyrilene	3.8	U	10	ug/L							
Methyl Methanesulfonate	2.0	U	10	ug/L							
Nitrobenzene	1.9	U	10	ug/L							
N-Nitrosodiethylamine	1.9	U	10	ug/L							
N-Nitrosodimethylamine	1.4	U	10	ug/L							
N-Nitrosodi-n-butylamine	1.0	U	10	ug/L							
N-Nitroso-di-n-propylamine	1.8	U	10	ug/L							
N-nitrosodiphenylamine/Diphenylamine	1.1	U	10	ug/L							
N-Nitrosomethylethylamine	1.9	U	10	ug/L							
N-Nitrosopiperidine	1.5	U	10	ug/L							
N-Nitrosopyrrolidine	1.9	U	10	ug/L							
O,O,O-Triethyl phosphorothioate	2.0	U	10	ug/L							
o-Toluidine	1.5	U	10	ug/L							
Parathion	1.2	U	10	ug/L							
p-Dimethylaminoazobenzene	1.2	U	10	ug/L							
Phenacetin	1.0	U	10	ug/L							
Phenanthrene	0.74	U	10	ug/L							
Phenol	1.2	U	10	ug/L							

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 9J23001 - EPA 3510C_MS

Blank (9J23001-BLK1) Continued Prepared: 10/23/2009 07:59 Analyzed: 10/30/2009 02:05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Pronamide	1.0	U	10	ug/L							
Safrole	1.9	U	10	ug/L							
Thionazin	1.2	U	10	ug/L							
Surrogate: 2,4,6-Tribromophenol	*73*			*ug/L*	*100*		*73*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*36*			*ug/L*	*50.0*		*73*	*10-149*			
Surrogate: 2-Fluorophenol	*50*			*ug/L*	*100*		*50*	*10-110*			
Surrogate: Nitrobenzene-d5	*32*			*ug/L*	*50.0*		*64*	*10-149*			
Surrogate: Phenol-d5	*42*			*ug/L*	*100*		*42*	*10-88*			
Surrogate: Terphenyl-d14	*47*			*ug/L*	*50.0*		*94*	*10-188*			

LCS (9J23001-BS1) Prepared: 10/23/2009 07:59 Analyzed: 10/30/2009 02:35

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Chlorophenol	33		10	ug/L	50.0		66	40-109			
4-Chloro-3-methylphenol	43		10	ug/L	50.0		86	58-121			
4-Nitrophenol	28		10	ug/L	50.0		55	33-105			
Acenaphthene	37		10	ug/L	50.0		73	43-118			
N-Nitroso-di-n-propylamine	37		10	ug/L	50.0		73	48-126			
Phenol	21		10	ug/L	50.0		43	19-78			
Pyrene	41		10	ug/L	50.0		81	65-134			
Surrogate: 2,4,6-Tribromophenol	*82*			*ug/L*	*100*		*82*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*36*			*ug/L*	*50.0*		*72*	*10-149*			
Surrogate: 2-Fluorophenol	*48*			*ug/L*	*100*		*48*	*10-110*			
Surrogate: Nitrobenzene-d5	*34*			*ug/L*	*50.0*		*68*	*10-149*			
Surrogate: Phenol-d5	*40*			*ug/L*	*100*		*40*	*10-88*			
Surrogate: Terphenyl-d14	*42*			*ug/L*	*50.0*		*83*	*10-188*			

Matrix Spike (9J23001-MS1) Prepared: 10/23/2009 07:59 Analyzed: 10/30/2009 03:33

Source: C912269-06

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Chlorophenol	37		10	ug/L	50.0	1.9 U	73	40-109			
4-Chloro-3-methylphenol	46		10	ug/L	50.0	1.6 U	92	58-121			
4-Nitrophenol	29		10	ug/L	50.0	1.2 U	58	33-105			
Acenaphthene	40		10	ug/L	50.0	1.1 U	79	43-118			
N-Nitroso-di-n-propylamine	42		10	ug/L	50.0	1.8 U	84	48-126			
Phenol	23		10	ug/L	50.0	1.2 U	46	19-78			
Pyrene	40		10	ug/L	50.0	1.3 U	80	65-134			
Surrogate: 2,4,6-Tribromophenol	*84*			*ug/L*	*100*		*84*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*39*			*ug/L*	*50.0*		*78*	*10-149*			
Surrogate: 2-Fluorophenol	*52*			*ug/L*	*100*		*52*	*10-110*			
Surrogate: Nitrobenzene-d5	*38*			*ug/L*	*50.0*		*76*	*10-149*			
Surrogate: Phenol-d5	*43*			*ug/L*	*100*		*43*	*10-88*			
Surrogate: Terphenyl-d14	*40*			*ug/L*	*50.0*		*80*	*10-188*			

Matrix Spike Dup (9J23001-MSD1) Prepared: 10/23/2009 07:59 Analyzed: 10/30/2009 04:03

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 9J23001 - EPA 3510C_MS

Matrix Spike Dup (9J23001-MSD1) Continued Prepared: 10/23/2009 07:59 Analyzed: 10/30/2009 04:03

Source: C912269-06

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Chlorophenol	34		10	ug/L	50.0	1.9 U	69	40-109	6	22	
4-Chloro-3-methylphenol	46		10	ug/L	50.0	1.6 U	91	58-121	0.8	22	
4-Nitrophenol	30		10	ug/L	50.0	1.2 U	61	33-105	4	27	
Acenaphthene	39		10	ug/L	50.0	1.1 U	78	43-118	1	21	
N-Nitroso-di-n-propylamine	39		10	ug/L	50.0	1.8 U	79	48-126	6	23	
Phenol	23		10	ug/L	50.0	1.2 U	47	19-78	0.5	18	
Pyrene	39		10	ug/L	50.0	1.3 U	78	65-134	4	16	
Surrogate: 2,4,6-Tribromophenol	*85*			*ug/L*	*100*		*85*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*38*			*ug/L*	*50.0*		*77*	*10-149*			
Surrogate: 2-Fluorophenol	*51*			*ug/L*	*100*		*51*	*10-110*			
Surrogate: Nitrobenzene-d5	*36*			*ug/L*	*50.0*		*72*	*10-149*			
Surrogate: Phenol-d5	*43*			*ug/L*	*100*		*43*	*10-88*			
Surrogate: Terphenyl-d14	*40*			*ug/L*	*50.0*		*79*	*10-188*			

Organochlorine Pesticides by GC - Quality Control

Batch 9J19005 - EPA 3510C

Blank (9J19005-BLK1) Prepared: 10/19/2009 08:45 Analyzed: 10/20/2009 09:26

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDD	0.024	U	0.050	ug/L							
4,4'-DDE	0.023	U	0.050	ug/L							
4,4'-DDT	0.025	U	0.050	ug/L							
Aldrin	0.012	U	0.050	ug/L							
alpha-BHC	0.024	U	0.050	ug/L							
beta-BHC	0.028	U	0.050	ug/L							
Chlordane (tech)	0.20	U	0.50	ug/L							
Chlordane-alpha	0.025	U	0.050	ug/L							
Chlordane-gamma	0.026	U	0.050	ug/L							
delta-BHC	0.013	U	0.050	ug/L							
Dieldrin	0.0053	U	0.050	ug/L							
Endosulfan I	0.025	U	0.050	ug/L							
Endosulfan II	0.025	U	0.050	ug/L							
Endosulfan sulfate	0.025	U	0.050	ug/L							
Endrin	0.0034	U	0.050	ug/L							
Endrin aldehyde	0.037	U	0.050	ug/L							
gamma-BHC	0.0027	U	0.050	ug/L							
Heptachlor	0.0023	U	0.050	ug/L							
Heptachlor epoxide	0.0056	U	0.050	ug/L							
Methoxychlor	0.044	U	0.050	ug/L							
Toxaphene	0.22	U	0.50	ug/L							
Surrogate: 2,4,5,6-TCMX	*0.92*			*ug/L*	*1.00*		*92*	*39-141*			
Surrogate: Decachlorobiphenyl	*1.1*			*ug/L*	*1.00*		*112*	*25-163*			

LCS (9J19005-BS1) Prepared: 10/19/2009 08:45 Analyzed: 10/20/2009 09:39

QUALITY CONTROL

Organochlorine Pesticides by GC - Quality Control

Batch 9J19005 - EPA 3510C

LCS (9J19005-BS1) Continued Prepared: 10/19/2009 08:45 Analyzed: 10/20/2009 09:39

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDT	1.2		0.050	ug/L	1.00		123	54-130			
Dieldrin	1.1		0.050	ug/L	1.00		106	54-132			
Endrin	1.0		0.050	ug/L	1.00		104	52-129			
Surrogate: 2,4,5,6-TCMX	*0.95*			*ug/L*	*1.00*		*95*	*39-141*			
Surrogate: Decachlorobiphenyl	*1.1*			*ug/L*	*1.00*		*109*	*25-163*			

Matrix Spike (9J19005-MS1) Prepared: 10/19/2009 08:45 Analyzed: 10/20/2009 09:52

Source: C912148-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDT	1.2		0.050	ug/L	1.00	0.025 U	122	54-130			
Dieldrin	1.1		0.050	ug/L	1.00	0.0053 U	106	54-132			
Endrin	1.0		0.050	ug/L	1.00	0.0034 U	104	52-129			
Surrogate: 2,4,5,6-TCMX	*0.95*			*ug/L*	*1.00*		*95*	*39-141*			
Surrogate: Decachlorobiphenyl	*1.1*			*ug/L*	*1.00*		*107*	*25-163*			

Matrix Spike Dup (9J19005-MSD1) Prepared: 10/19/2009 08:45 Analyzed: 10/20/2009 10:05

Source: C912148-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDT	1.2		0.050	ug/L	1.00	0.025 U	123	54-130	0.7	13	
Dieldrin	1.1		0.050	ug/L	1.00	0.0053 U	105	54-132	0.7	12	
Endrin	1.0		0.050	ug/L	1.00	0.0034 U	104	52-129	0	15	
Surrogate: 2,4,5,6-TCMX	*0.93*			*ug/L*	*1.00*		*93*	*39-141*			
Surrogate: Decachlorobiphenyl	*0.65*			*ug/L*	*1.00*		*65*	*25-163*			

Batch 9J22003 - EPA 3510C

Blank (9J22003-BLK1) Prepared: 10/22/2009 07:56 Analyzed: 10/23/2009 09:14

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDD	0.024	U	0.050	ug/L							
4,4'-DDE	0.023	U	0.050	ug/L							
4,4'-DDT	0.025	U	0.050	ug/L							
Aldrin	0.012	U	0.050	ug/L							
alpha-BHC	0.024	U	0.050	ug/L							
beta-BHC	0.028	U	0.050	ug/L							
Chlordane (tech)	0.20	U	0.50	ug/L							
Chlordane-alpha	0.025	U	0.050	ug/L							
Chlordane-gamma	0.026	U	0.050	ug/L							
delta-BHC	0.013	U	0.050	ug/L							
Dieldrin	0.0053	U	0.050	ug/L							
Endosulfan I	0.025	U	0.050	ug/L							
Endosulfan II	0.025	U	0.050	ug/L							
Endosulfan sulfate	0.025	U	0.050	ug/L							
Endrin	0.0034	U	0.050	ug/L							
Endrin aldehyde	0.037	U	0.050	ug/L							

QUALITY CONTROL

Organochlorine Pesticides by GC - Quality Control

Batch 9J22003 - EPA 3510C

Blank (9J22003-BLK1) Continued Prepared: 10/22/2009 07:56 Analyzed: 10/23/2009 09:14

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
gamma-BHC	0.0027	U	0.050	ug/L							
Heptachlor	0.0023	U	0.050	ug/L							
Heptachlor epoxide	0.0056	U	0.050	ug/L							
Methoxychlor	0.044	U	0.050	ug/L							
Toxaphene	0.22	U	0.50	ug/L							
Surrogate: 2,4,5,6-TCMX	*0.93*			*ug/L*	*1.00*		*93*	*39-141*			
Surrogate: Decachlorobiphenyl	*1.0*			*ug/L*	*1.00*		*100*	*25-163*			

LCS (9J22003-BS1) Prepared: 10/22/2009 07:56 Analyzed: 10/23/2009 09:27

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDT	1.0		0.050	ug/L	1.00		102	54-130			
Dieldrin	0.96		0.050	ug/L	1.00		96	54-132			
Endrin	0.94		0.050	ug/L	1.00		94	52-129			
Surrogate: 2,4,5,6-TCMX	*0.86*			*ug/L*	*1.00*		*86*	*39-141*			
Surrogate: Decachlorobiphenyl	*1.0*			*ug/L*	*1.00*		*101*	*25-163*			

Matrix Spike (9J22003-MS1) Prepared: 10/22/2009 07:56 Analyzed: 10/23/2009 09:40

Source: C912269-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDT	1.1		0.050	ug/L	1.00	0.025 U	112	54-130			
Dieldrin	1.0		0.050	ug/L	1.00	0.0053 U	104	54-132			
Endrin	1.0		0.050	ug/L	1.00	0.0034 U	102	52-129			
Surrogate: 2,4,5,6-TCMX	*0.94*			*ug/L*	*1.00*		*94*	*39-141*			
Surrogate: Decachlorobiphenyl	*0.63*			*ug/L*	*1.00*		*63*	*25-163*			

Matrix Spike Dup (9J22003-MSD1) Prepared: 10/22/2009 07:56 Analyzed: 10/23/2009 09:54

Source: C912269-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDT	1.1		0.050	ug/L	1.00	0.025 U	107	54-130	5	13	
Dieldrin	1.0		0.050	ug/L	1.00	0.0053 U	101	54-132	3	12	
Endrin	0.99		0.050	ug/L	1.00	0.0034 U	99	52-129	4	15	
Surrogate: 2,4,5,6-TCMX	*0.93*			*ug/L*	*1.00*		*93*	*39-141*			
Surrogate: Decachlorobiphenyl	*1.0*			*ug/L*	*1.00*		*102*	*25-163*			

Batch 9J24001 - EPA 3510C

Blank (9J24001-BLK1) Prepared: 10/24/2009 07:42 Analyzed: 10/27/2009 14:25

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDD	0.024	U	0.050	ug/L							
4,4'-DDE	0.023	U	0.050	ug/L							
4,4'-DDT	0.025	U	0.050	ug/L							
Aldrin	0.012	U	0.050	ug/L							

QUALITY CONTROL

Organochlorine Pesticides by GC - Quality Control

Batch 9J24001 - EPA 3510C

Blank (9J24001-BLK1) Continued Prepared: 10/24/2009 07:42 Analyzed: 10/27/2009 14:25

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
alpha-BHC	0.024	U	0.050	ug/L							
beta-BHC	0.028	U	0.050	ug/L							
Chlordane (tech)	0.20	U	0.50	ug/L							
Chlordane-alpha	0.025	U	0.050	ug/L							
Chlordane-gamma	0.026	U	0.050	ug/L							
delta-BHC	0.013	U	0.050	ug/L							
Dieldrin	0.0053	U	0.050	ug/L							
Endosulfan I	0.025	U	0.050	ug/L							
Endosulfan II	0.025	U	0.050	ug/L							
Endosulfan sulfate	0.025	U	0.050	ug/L							
Endrin	0.0034	U	0.050	ug/L							
Endrin aldehyde	0.037	U	0.050	ug/L							
gamma-BHC	0.0027	U	0.050	ug/L							
Heptachlor	0.0023	U	0.050	ug/L							
Heptachlor epoxide	0.0056	U	0.050	ug/L							
Methoxychlor	0.044	U	0.050	ug/L							
Toxaphene	0.22	U	0.50	ug/L							
Surrogate: 2,4,5,6-TCMX	*0.76*			*ug/L*	*1.00*		*76*	*44-134*			
Surrogate: Decachlorobiphenyl	*0.92*			*ug/L*	*1.00*		*92*	*37-149*			

LCS (9J24001-BS1) Prepared: 10/24/2009 07:42 Analyzed: 10/27/2009 14:38

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDT	1.0		0.050	ug/L	1.00		102	37-139			
Dieldrin	0.86		0.050	ug/L	1.00		86	46-132			
Endrin	0.84		0.050	ug/L	1.00		84	43-133			
Surrogate: 2,4,5,6-TCMX	*0.74*			*ug/L*	*1.00*		*74*	*44-134*			
Surrogate: Decachlorobiphenyl	*0.89*			*ug/L*	*1.00*		*89*	*37-149*			

Matrix Spike (9J24001-MS1) Prepared: 10/24/2009 07:42 Analyzed: 10/27/2009 14:51

Source: C911898-10

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDT	1.0		0.050	ug/L	1.00	0.025 U	101	37-139			
Dieldrin	0.84		0.050	ug/L	1.00	0.0053 U	84	46-132			
Endrin	0.82		0.050	ug/L	1.00	0.0034 U	82	43-133			
Surrogate: 2,4,5,6-TCMX	*0.71*			*ug/L*	*1.00*		*71*	*44-134*			
Surrogate: Decachlorobiphenyl	*0.86*			*ug/L*	*1.00*		*86*	*37-149*			

Matrix Spike Dup (9J24001-MSD1) Prepared: 10/24/2009 07:42 Analyzed: 10/27/2009 15:05

Source: C911898-10

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDT	0.98		0.050	ug/L	1.00	0.025 U	98	37-139	3	26	
Dieldrin	0.82		0.050	ug/L	1.00	0.0053 U	82	46-132	2	27	
Endrin	0.81		0.050	ug/L	1.00	0.0034 U	81	43-133	2	26	

QUALITY CONTROL

Organochlorine Pesticides by GC - Quality Control

Batch 9J24001 - EPA 3510C

Matrix Spike Dup (9J24001-MSD1) Continued Prepared: 10/24/2009 07:42 Analyzed: 10/27/2009 15:05

Source: C911898-10

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: 2,4,5,6-TCMX	*0.70*			*ug/L*	*1.00*		*70*	*44-134*			
Surrogate: Decachlorobiphenyl	*0.85*			*ug/L*	*1.00*		*85*	*37-149*			

Polychlorinated Biphenyls by GC - Quality Control

Batch 9J19005 - EPA 3510C

Blank (9J19005-BLK1) Prepared: 10/19/2009 08:45 Analyzed: 10/20/2009 09:26

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	0.075	U	0.50	ug/L							
PCB-1221	0.046	U	0.50	ug/L							
PCB-1232	0.028	U	0.50	ug/L							
PCB-1248	0.014	U	0.50	ug/L							
PCB-1254	0.015	U	0.50	ug/L							
PCB-1260	0.096	U	0.50	ug/L							
Surrogate: 2,4,5,6-TCMX	*0.92*			*ug/L*	*1.00*		*92*	*39-151*			
Surrogate: Decachlorobiphenyl	*1.1*			*ug/L*	*1.00*		*112*	*55-118*			

LCS (9J19005-BS2) Prepared: 10/19/2009 08:45 Analyzed: 10/20/2009 10:19

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	8.9		0.50	ug/L	10.0		89	50-150			
PCB-1260	8.8		0.50	ug/L	10.0		88	50-150			
Surrogate: 2,4,5,6-TCMX	*0.80*			*ug/L*	*1.00*		*80*	*39-151*			
Surrogate: Decachlorobiphenyl	*1.0*			*ug/L*	*1.00*		*100*	*55-118*			

Matrix Spike (9J19005-MS2) Prepared: 10/19/2009 08:45 Analyzed: 10/20/2009 10:32

Source: C912148-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	8.3		0.50	ug/L	10.0	0.075 U	83	43-135			
PCB-1260	8.6		0.50	ug/L	10.0	0.096 U	86	46-142			
Surrogate: 2,4,5,6-TCMX	*0.70*			*ug/L*	*1.00*		*70*	*39-151*			
Surrogate: Decachlorobiphenyl	*0.90*			*ug/L*	*1.00*		*90*	*55-118*			

Matrix Spike Dup (9J19005-MSD2) Prepared: 10/19/2009 08:45 Analyzed: 10/20/2009 10:45

Source: C912148-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	8.6		0.50	ug/L	10.0	0.075 U	86	43-135	3	23	
PCB-1260	8.6		0.50	ug/L	10.0	0.096 U	86	46-142	0.5	31	
Surrogate: 2,4,5,6-TCMX	*0.80*			*ug/L*	*1.00*		*80*	*39-151*			
Surrogate: Decachlorobiphenyl	*1.0*			*ug/L*	*1.00*		*100*	*55-118*			

QUALITY CONTROL

Polychlorinated Biphenyls by GC - Quality Control

Batch 9J22003 - EPA 3510C

Blank (9J22003-BLK1) Prepared: 10/22/2009 07:56 Analyzed: 10/23/2009 09:14

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	0.075	U	0.50	ug/L							
PCB-1221	0.046	U	0.50	ug/L							
PCB-1232	0.028	U	0.50	ug/L							
PCB-1248	0.014	U	0.50	ug/L							
PCB-1254	0.015	U	0.50	ug/L							
PCB-1260	0.096	U	0.50	ug/L							
Surrogate: 2,4,5,6-TCMX	*0.93*			*ug/L*	*1.00*		*93*	*39-151*			
Surrogate: Decachlorobiphenyl	*1.0*			*ug/L*	*1.00*		*100*	*55-118*			

LCS (9J22003-BS2) Prepared: 10/22/2009 07:56 Analyzed: 10/23/2009 10:07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	8.4		0.50	ug/L	10.0		84	50-150			
PCB-1260	8.0		0.50	ug/L	10.0		80	50-150			
Surrogate: 2,4,5,6-TCMX	*0.80*			*ug/L*	*1.00*		*80*	*39-151*			
Surrogate: Decachlorobiphenyl	*0.90*			*ug/L*	*1.00*		*90*	*55-118*			

Matrix Spike (9J22003-MS2) Prepared: 10/22/2009 07:56 Analyzed: 10/23/2009 10:20

Source: C912269-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	8.4		0.50	ug/L	10.0	0.075 U	84	43-135			
PCB-1260	8.1		0.50	ug/L	10.0	0.096 U	81	46-142			
Surrogate: 2,4,5,6-TCMX	*0.70*			*ug/L*	*1.00*		*70*	*39-151*			
Surrogate: Decachlorobiphenyl	*0.90*			*ug/L*	*1.00*		*90*	*55-118*			

Matrix Spike Dup (9J22003-MSD2) Prepared: 10/22/2009 07:56 Analyzed: 10/23/2009 10:33

Source: C912269-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	8.8		0.50	ug/L	10.0	0.075 U	88	43-135	5	23	
PCB-1260	8.4		0.50	ug/L	10.0	0.096 U	84	46-142	4	31	
Surrogate: 2,4,5,6-TCMX	*0.80*			*ug/L*	*1.00*		*80*	*39-151*			
Surrogate: Decachlorobiphenyl	*0.50*			*ug/L*	*1.00*		*50*	*55-118*			*Q5-03*

Batch 9J24001 - EPA 3510C

Blank (9J24001-BLK1) Prepared: 10/24/2009 07:42 Analyzed: 10/27/2009 14:25

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	0.075	U	0.50	ug/L							
PCB-1221	0.046	U	0.50	ug/L							
PCB-1232	0.028	U	0.50	ug/L							
PCB-1248	0.014	U	0.50	ug/L							
PCB-1254	0.015	U	0.50	ug/L							
PCB-1260	0.096	U	0.50	ug/L							

QUALITY CONTROL

Polychlorinated Biphenyls by GC - Quality Control

Batch 9J24001 - EPA 3510C

Blank (9J24001-BLK1) Continued Prepared: 10/24/2009 07:42 Analyzed: 10/27/2009 14:25

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: 2,4,5,6-TCMX	*0.76*			*ug/L*	*1.00*		*76*	*39-151*			
Surrogate: Decachlorobiphenyl	*0.92*			*ug/L*	*1.00*		*92*	*55-118*			

LCS (9J24001-BS2) Prepared: 10/24/2009 07:42 Analyzed: 10/27/2009 15:18

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	8.4		0.50	ug/L	10.0		84	50-150			
PCB-1260	8.5		0.50	ug/L	10.0		85	50-150			
Surrogate: 2,4,5,6-TCMX	*0.70*			*ug/L*	*1.00*		*70*	*39-151*			
Surrogate: Decachlorobiphenyl	*1.0*			*ug/L*	*1.00*		*100*	*55-118*			

Matrix Spike (9J24001-MS2) Prepared: 10/24/2009 07:42 Analyzed: 10/27/2009 15:31

Source: C911898-10

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	8.8		0.50	ug/L	10.0	0.075 U	88	43-135			
PCB-1260	8.8		0.50	ug/L	10.0	0.096 U	88	46-142			
Surrogate: 2,4,5,6-TCMX	*0.80*			*ug/L*	*1.00*		*80*	*39-151*			
Surrogate: Decachlorobiphenyl	*1.0*			*ug/L*	*1.00*		*100*	*55-118*			

Matrix Spike Dup (9J24001-MSD2) Prepared: 10/24/2009 07:42 Analyzed: 10/27/2009 15:44

Source: C911898-10

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	9.0		0.50	ug/L	10.0	0.075 U	90	43-135	2	23	
PCB-1260	9.1		0.50	ug/L	10.0	0.096 U	91	46-142	4	31	
Surrogate: 2,4,5,6-TCMX	*0.80*			*ug/L*	*1.00*		*80*	*39-151*			
Surrogate: Decachlorobiphenyl	*1.0*			*ug/L*	*1.00*		*100*	*55-118*			

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 9J15016 - EPA 245.1

Blank (9J15016-BLK1) Prepared: 10/15/2009 10:08 Analyzed: 10/15/2009 15:32

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.0540	U	0.200	ug/L							

LCS (9J15016-BS1) Prepared: 10/15/2009 10:08 Analyzed: 10/15/2009 15:35

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.88		0.200	ug/L	5.00		98	85-115			

Matrix Spike (9J15016-MS1) Prepared: 10/15/2009 10:08 Analyzed: 10/15/2009 15:49

Source: C911289-01

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 9J15016 - EPA 245.1

Matrix Spike (9J15016-MS1) Continued Prepared: 10/15/2009 10:08 Analyzed: 10/15/2009 15:49

Source: C911289-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.88		0.200	ug/L	5.00	0.0540 U	98	85-115			

Matrix Spike Dup (9J15016-MSD1) Prepared: 10/15/2009 10:08 Analyzed: 10/15/2009 15:52

Source: C911289-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.77		0.200	ug/L	5.00	0.0540 U	95	85-115	2	15	

Post Spike (9J15016-PS1) Prepared: 10/15/2009 10:08 Analyzed: 10/15/2009 15:55

Source: C911289-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.26		0.200	ug/L	5.00	-0.0129	86	75-125			

Batch 9J16007 - EPA 245.1

Blank (9J16007-BLK1) Prepared: 10/16/2009 09:25 Analyzed: 10/16/2009 15:27

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.0540	U	0.200	ug/L							

LCS (9J16007-BS1) Prepared: 10/16/2009 09:25 Analyzed: 10/16/2009 15:31

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.69		0.200	ug/L	5.00		94	85-115			

Matrix Spike (9J16007-MS1) Prepared: 10/16/2009 09:25 Analyzed: 10/16/2009 15:37

Source: C911016-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.79		0.200	ug/L	5.00	0.0540 U	96	85-115			

Matrix Spike Dup (9J16007-MSD1) Prepared: 10/16/2009 09:25 Analyzed: 10/16/2009 15:40

Source: C911016-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.67		0.200	ug/L	5.00	0.0540 U	93	85-115	3	15	

Post Spike (9J16007-PS1) Prepared: 10/16/2009 09:25 Analyzed: 10/16/2009 15:51

Source: C911016-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.18		0.200	ug/L	5.00	-0.0390	84	75-125			

Batch 9J19017 - EPA 245.1

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Blank (9J19017-BLK1) Prepared: 10/19/2009 10:14 Analyzed: 10/19/2009 16:30

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.0540	U	0.200	ug/L							

LCS (9J19017-BS1) Prepared: 10/19/2009 10:14 Analyzed: 10/19/2009 16:34

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.26		0.200	ug/L	5.00		85	85-115			

Matrix Spike (9J19017-MS1) Prepared: 10/19/2009 10:14 Analyzed: 10/19/2009 16:42

Source: C912147-06

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.32		0.200	ug/L	5.00	0.0540 U	86	85-115			

Matrix Spike Dup (9J19017-MSD1) Prepared: 10/19/2009 10:14 Analyzed: 10/19/2009 16:51

Source: C912147-06

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.69		0.200	ug/L	5.00	0.0540 U	94	85-115	8	15	

Post Spike (9J19017-PS1) Prepared: 10/19/2009 10:14 Analyzed: 10/19/2009 16:56

Source: C912147-06

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	3.85		0.200	ug/L	5.00	-0.111	79	75-125			

Batch 9J22015 - EPA 245.1

Blank (9J22015-BLK1) Prepared: 10/22/2009 09:43 Analyzed: 10/22/2009 14:46

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.0540	U	0.200	ug/L							

LCS (9J22015-BS1) Prepared: 10/22/2009 09:43 Analyzed: 10/22/2009 14:51

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.49		0.200	ug/L	5.00		90	85-115			

Matrix Spike (9J22015-MS1) Prepared: 10/22/2009 09:43 Analyzed: 10/22/2009 14:56

Source: C911898-10

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.50		0.200	ug/L	5.00	0.0540 U	90	85-115			

Matrix Spike Dup (9J22015-MSD1) Prepared: 10/22/2009 09:43 Analyzed: 10/22/2009 14:59

Source: C911898-10

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

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 9J22015 - EPA 245.1

Matrix Spike Dup (9J22015-MSD1) Continued Prepared: 10/22/2009 09:43 Analyzed: 10/22/2009 14:59

Source: C911898-10

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.44		0.200	ug/L	5.00	0.0540 U	89	85-115	2	15	

Post Spike (9J22015-PS1) Prepared: 10/22/2009 09:43 Analyzed: 10/22/2009 15:02

Source: C911898-10

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	3.96		0.200	ug/L	5.00	-0.000900	79	75-125			

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

Batch 9J14022 - EPA 3005A

Blank (9J14022-BLK1) Prepared: 10/14/2009 16:58 Analyzed: 10/27/2009 10:11

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							
Selenium	2.70	U	10.0	ug/L							
Silver	1.90	U	10.0	ug/L							
Tin	2.10	U	10.0	ug/L							
Vanadium	1.40	U	10.0	ug/L							
Zinc	3.80	U	10.0	ug/L							

LCS (9J14022-BS1) Prepared: 10/14/2009 16:58 Analyzed: 10/27/2009 10:21

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1090		10.0	ug/L	1000		109	80-120			
Barium	1160		10.0	ug/L	1000		116	80-120			
Beryllium	584		1.00	ug/L	500		117	80-120			
Cadmium	565		1.00	ug/L	500		113	80-120			
Chromium	1160		10.0	ug/L	1000		116	80-120			
Cobalt	1150		10.0	ug/L	1000		115	80-120			
Copper	580		10.0	ug/L	500		116	80-120			
Lead	1110		10.0	ug/L	1000		111	80-120			
Nickel	1140		10.0	ug/L	1000		114	80-120			
Selenium	1130		10.0	ug/L	1000		113	80-120			
Silver	115		10.0	ug/L	100		115	80-120			
Tin	1070		10.0	ug/L	1000		107	80-120			
Vanadium	588		10.0	ug/L	500		118	80-120			
Zinc	1160		10.0	ug/L	1000		116	80-120			

QUALITY CONTROL

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

Batch 9J14022 - EPA 3005A

Matrix Spike (9J14022-MS1) Prepared: 10/14/2009 16:58 Analyzed: 10/27/2009 10:25

Source: C910822-05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1120		10.0	ug/L	1000	4.69	112	75-125			
Barium	1180		10.0	ug/L	1000	22.1	116	75-125			
Beryllium	595		1.00	ug/L	500	0.562	119	75-125			
Cadmium	555		1.00	ug/L	500	0.563	111	75-125			
Chromium	1150		10.0	ug/L	1000	1.84	115	75-125			
Cobalt	1120		10.0	ug/L	1000	1.34	112	75-125			
Copper	568		10.0	ug/L	500	1.60 U	114	75-125			
Lead	1110		10.0	ug/L	1000	1.90 U	111	75-125			
Nickel	1110		10.0	ug/L	1000	1.80 U	111	75-125			
Selenium	1150		10.0	ug/L	1000	2.70 U	115	75-125			
Silver	119		10.0	ug/L	100	1.90 U	119	75-125			
Tin	1120		10.0	ug/L	1000	3.49	112	75-125			
Vanadium	586		10.0	ug/L	500	5.42	116	75-125			
Zinc	1140		10.0	ug/L	1000	5.22	113	75-125			

Matrix Spike Dup (9J14022-MSD1) Prepared: 10/14/2009 16:58 Analyzed: 10/27/2009 10:28

Source: C910822-05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1110		10.0	ug/L	1000	4.69	110	75-125	1	20	
Barium	1160		10.0	ug/L	1000	22.1	114	75-125	2	20	
Beryllium	582		1.00	ug/L	500	0.562	116	75-125	2	20	
Cadmium	547		1.00	ug/L	500	0.563	109	75-125	2	20	
Chromium	1130		10.0	ug/L	1000	1.84	113	75-125	2	20	
Cobalt	1110		10.0	ug/L	1000	1.34	110	75-125	2	20	
Copper	559		10.0	ug/L	500	1.60 U	112	75-125	2	20	
Lead	1100		10.0	ug/L	1000	1.90 U	110	75-125	1	20	
Nickel	1100		10.0	ug/L	1000	1.80 U	110	75-125	1	20	
Selenium	1150		10.0	ug/L	1000	2.70 U	115	75-125	0.7	20	
Silver	116		10.0	ug/L	100	1.90 U	116	75-125	2	20	
Tin	1110		10.0	ug/L	1000	3.49	110	75-125	1	20	
Vanadium	577		10.0	ug/L	500	5.42	114	75-125	2	20	
Zinc	1120		10.0	ug/L	1000	5.22	112	75-125	1	20	

Post Spike (9J14022-PS1) Prepared: 10/14/2009 16:58 Analyzed: 10/27/2009 10:30

Source: C910822-05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1.17		0.0100	mg/L	1.00	0.00469	117	80-120			
Barium	1.22		0.0100	mg/L	1.00	0.0221	120	80-120			
Beryllium	0.606		0.00100	mg/L	0.500	0.000562	121	80-120			QM-08
Cadmium	0.578		0.00100	mg/L	0.500	0.000563	116	80-120			
Chromium	1.19		0.0100	mg/L	1.00	0.00184	119	80-120			
Cobalt	1.17		0.0100	mg/L	1.00	0.00134	117	80-120			
Copper	0.589		0.0100	mg/L	0.500	-0.000309	118	80-120			
Lead	1.17		0.0100	mg/L	1.00	0.000206	117	80-120			

QUALITY CONTROL

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

Batch 9J14022 - EPA 3005A

Post Spike (9J14022-PS1) Continued Prepared: 10/14/2009 16:58 Analyzed: 10/27/2009 10:30

Source: C910822-05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nickel	1.16		0.0100	mg/L	1.00	0.000861	116	80-120			
Selenium	1.22		0.0100	mg/L	1.00	-0.00758	123	80-120			QM-08
Silver	0.119		0.0100	mg/L	0.100	0.00147	118	80-120			
Tin	1.17		0.0100	mg/L	1.00	0.00349	117	80-120			
Vanadium	0.608		0.0100	mg/L	0.500	0.00542	120	80-120			
Zinc	1.19		0.0100	mg/L	1.00	0.00522	119	80-120			

Batch 9J16005 - EPA 3005A

Blank (9J16005-BLK1) Prepared: 10/16/2009 09:21 Analyzed: 10/28/2009 12:17

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							
Selenium	2.70	U	10.0	ug/L							
Silver	1.90	U	10.0	ug/L							
Tin	2.10	U	10.0	ug/L							
Vanadium	1.40	U	10.0	ug/L							
Zinc	3.80	U	10.0	ug/L							

LCS (9J16005-BS1) Prepared: 10/16/2009 09:21 Analyzed: 10/28/2009 12:20

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1020		10.0	ug/L	1000		102	80-120			
Barium	1030		10.0	ug/L	1000		103	80-120			
Beryllium	529		1.00	ug/L	500		106	80-120			
Cadmium	509		1.00	ug/L	500		102	80-120			
Chromium	1040		10.0	ug/L	1000		104	80-120			
Cobalt	1020		10.0	ug/L	1000		102	80-120			
Copper	554		10.0	ug/L	500		111	80-120			
Lead	1030		10.0	ug/L	1000		103	80-120			
Nickel	1020		10.0	ug/L	1000		102	80-120			
Selenium	1050		10.0	ug/L	1000		105	80-120			
Silver	109		10.0	ug/L	100		109	80-120			
Tin	1030		10.0	ug/L	1000		103	80-120			
Vanadium	527		10.0	ug/L	500		105	80-120			
Zinc	1040		10.0	ug/L	1000		104	80-120			

Matrix Spike (9J16005-MS1) Prepared: 10/16/2009 09:21 Analyzed: 10/28/2009 12:26

Source: C911288-01

QUALITY CONTROL

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

Batch 9J16005 - EPA 3005A

Matrix Spike (9J16005-MS1) Continued Prepared: 10/16/2009 09:21 Analyzed: 10/28/2009 12:26

Source: C911288-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1040		10.0	ug/L	1000	2.87	103	75-125			
Barium	1150		10.0	ug/L	1000	56.8	109	75-125			
Beryllium	543		1.00	ug/L	500	0.561	109	75-125			
Cadmium	529		1.00	ug/L	500	0.377	106	75-125			
Chromium	1090		10.0	ug/L	1000	4.21	108	75-125			
Cobalt	1060		10.0	ug/L	1000	1.34	106	75-125			
Copper	539		10.0	ug/L	500	1.60 U	108	75-125			
Lead	1050		10.0	ug/L	1000	1.90 U	105	75-125			
Nickel	1070		10.0	ug/L	1000	2.19	106	75-125			
Selenium	1070		10.0	ug/L	1000	2.70 U	107	75-125			
Silver	112		10.0	ug/L	100	1.90 U	112	75-125			
Tin	1040		10.0	ug/L	1000	3.04	104	75-125			
Vanadium	550		10.0	ug/L	500	1.54	110	75-125			
Zinc	1110		10.0	ug/L	1000	30.9	108	75-125			

Matrix Spike Dup (9J16005-MSD1) Prepared: 10/16/2009 09:21 Analyzed: 10/28/2009 12:28

Source: C911288-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1040		10.0	ug/L	1000	2.87	104	75-125	0.5	20	
Barium	1140		10.0	ug/L	1000	56.8	108	75-125	0.4	20	
Beryllium	546		1.00	ug/L	500	0.561	109	75-125	0.5	20	
Cadmium	526		1.00	ug/L	500	0.377	105	75-125	0.6	20	
Chromium	1080		10.0	ug/L	1000	4.21	108	75-125	0.3	20	
Cobalt	1060		10.0	ug/L	1000	1.34	105	75-125	0.2	20	
Copper	538		10.0	ug/L	500	1.60 U	108	75-125	0.1	20	
Lead	1050		10.0	ug/L	1000	1.90 U	105	75-125	0.1	20	
Nickel	1060		10.0	ug/L	1000	2.19	106	75-125	0.3	20	
Selenium	1070		10.0	ug/L	1000	2.70 U	107	75-125	0.1	20	
Silver	112		10.0	ug/L	100	1.90 U	112	75-125	0.07	20	
Tin	1050		10.0	ug/L	1000	3.04	104	75-125	0.5	20	
Vanadium	548		10.0	ug/L	500	1.54	109	75-125	0.3	20	
Zinc	1100		10.0	ug/L	1000	30.9	107	75-125	0.2	20	

Post Spike (9J16005-PS1) Prepared: 10/16/2009 09:21 Analyzed: 10/28/2009 12:31

Source: C911288-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1.01		0.0100	mg/L	1.00	0.00287	100	80-120			
Barium	1.11		0.0100	mg/L	1.00	0.0568	105	80-120			
Beryllium	0.529		0.00100	mg/L	0.500	0.000561	106	80-120			
Cadmium	0.512		0.00100	mg/L	0.500	0.000377	102	80-120			
Chromium	1.05		0.0100	mg/L	1.00	0.00421	105	80-120			
Cobalt	1.03		0.0100	mg/L	1.00	0.00134	103	80-120			
Copper	0.522		0.0100	mg/L	0.500	0.000617	104	80-120			
Lead	1.02		0.0100	mg/L	1.00	0.000799	102	80-120			
Nickel	1.03		0.0100	mg/L	1.00	0.00219	103	80-120			

QUALITY CONTROL

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

Batch 9J16005 - EPA 3005A

Post Spike (9J16005-PS1) Continued Prepared: 10/16/2009 09:21 Analyzed: 10/28/2009 12:31

Source: C911288-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Selenium	1.03		0.0100	mg/L	1.00	0.000888	103	80-120			
Silver	0.112		0.0100	mg/L	0.100	0.000978	111	80-120			
Tin	1.02		0.0100	mg/L	1.00	0.00304	102	80-120			
Vanadium	0.532		0.0100	mg/L	0.500	0.00154	106	80-120			
Zinc	1.08		0.0100	mg/L	1.00	0.0309	104	80-120			

Batch 9J16006 - EPA 3005A

Blank (9J16006-BLK1) Prepared: 10/16/2009 09:23 Analyzed: 10/21/2009 11:50

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.0730	U	2.00	ug/L							
Thallium	0.110	U	1.00	ug/L							

LCS (9J16006-BS1) Prepared: 10/16/2009 09:23 Analyzed: 10/21/2009 11:54

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	24.2		2.00	ug/L	25.0		97	80-120			
Thallium	26.3		1.00	ug/L	25.0		105	80-120			

Matrix Spike (9J16006-MS1) Prepared: 10/16/2009 09:23 Analyzed: 10/21/2009 12:01

Source: C911289-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	24.9		2.00	ug/L	25.0	0.0730 U	99	75-125			
Thallium	26.9		1.00	ug/L	25.0	0.110 U	108	75-125			

Matrix Spike Dup (9J16006-MSD1) Prepared: 10/16/2009 09:23 Analyzed: 10/21/2009 12:12

Source: C911289-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	25.6		2.00	ug/L	25.0	0.0730 U	102	75-125	3	20	
Thallium	27.5		1.00	ug/L	25.0	0.110 U	110	75-125	2	20	

Post Spike (9J16006-PS1) Prepared: 10/16/2009 09:23 Analyzed: 10/21/2009 12:15

Source: C911289-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	25.6		2.00	ug/L	25.0	-0.223	103	80-120			
Thallium	27.8		1.00	ug/L	25.0	0.0190	111	80-120			

Batch 9J20011 - EPA 3005A

Blank (9J20011-BLK1) Prepared: 10/20/2009 10:28 Analyzed: 10/24/2009 13:40

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

QUALITY CONTROL

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

Batch 9J20011 - EPA 3005A

Blank (9J20011-BLK1) Continued Prepared: 10/20/2009 10:28 Analyzed: 10/24/2009 13:40

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							
Selenium	2.70	U	10.0	ug/L							
Silver	1.90	U	10.0	ug/L							
Tin	2.10	U	10.0	ug/L							
Vanadium	1.40	U	10.0	ug/L							
Zinc	3.80	U	10.0	ug/L							

LCS (9J20011-BS1) Prepared: 10/20/2009 10:28 Analyzed: 10/24/2009 13:43

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1080		10.0	ug/L	1000		108	80-120			
Barium	1070		10.0	ug/L	1000		107	80-120			
Beryllium	549		1.00	ug/L	500		110	80-120			
Cadmium	533		1.00	ug/L	500		107	80-120			
Chromium	1080		10.0	ug/L	1000		108	80-120			
Cobalt	1060		10.0	ug/L	1000		106	80-120			
Copper	539		10.0	ug/L	500		108	80-120			
Lead	1080		10.0	ug/L	1000		108	80-120			
Nickel	1060		10.0	ug/L	1000		106	80-120			
Selenium	1120		10.0	ug/L	1000		112	80-120			
Silver	111		10.0	ug/L	100		111	80-120			
Tin	1080		10.0	ug/L	1000		108	80-120			
Vanadium	545		10.0	ug/L	500		109	80-120			
Zinc	1080		10.0	ug/L	1000		108	80-120			

Matrix Spike (9J20011-MS1) Prepared: 10/20/2009 10:28 Analyzed: 10/24/2009 13:49

Source: C911286-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1040		10.0	ug/L	1000	3.56	103	75-125			
Barium	1100		10.0	ug/L	1000	43.6	105	75-125			
Beryllium	531		1.00	ug/L	500	0.712	106	75-125			
Cadmium	516		1.00	ug/L	500	0.568	103	75-125			
Chromium	1050		10.0	ug/L	1000	3.13	105	75-125			
Cobalt	1030		10.0	ug/L	1000	1.58	103	75-125			
Copper	520		10.0	ug/L	500	1.60 U	104	75-125			
Lead	1030		10.0	ug/L	1000	2.21	103	75-125			
Nickel	1030		10.0	ug/L	1000	1.80 U	103	75-125			
Selenium	1070		10.0	ug/L	1000	2.70 U	107	75-125			
Silver	107		10.0	ug/L	100	1.90 U	107	75-125			

QUALITY CONTROL

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

Batch 9J20011 - EPA 3005A

Matrix Spike (9J20011-MS1) Continued Prepared: 10/20/2009 10:28 Analyzed: 10/24/2009 13:49

Source: C911286-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Tin	1030		10.0	ug/L	1000	4.71	103	75-125			
Vanadium	533		10.0	ug/L	500	5.00	106	75-125			
Zinc	1060		10.0	ug/L	1000	10.4	105	75-125			

Matrix Spike Dup (9J20011-MSD1) Prepared: 10/20/2009 10:28 Analyzed: 10/24/2009 14:00

Source: C911286-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1050		10.0	ug/L	1000	3.56	105	75-125	2	20	
Barium	1110		10.0	ug/L	1000	43.6	107	75-125	1	20	
Beryllium	541		1.00	ug/L	500	0.712	108	75-125	2	20	
Cadmium	520		1.00	ug/L	500	0.568	104	75-125	0.9	20	
Chromium	1060		10.0	ug/L	1000	3.13	106	75-125	1	20	
Cobalt	1040		10.0	ug/L	1000	1.58	104	75-125	1	20	
Copper	526		10.0	ug/L	500	1.60 U	105	75-125	1	20	
Lead	1050		10.0	ug/L	1000	2.21	105	75-125	2	20	
Nickel	1040		10.0	ug/L	1000	1.80 U	104	75-125	0.9	20	
Selenium	1080		10.0	ug/L	1000	2.70 U	108	75-125	0.8	20	
Silver	109		10.0	ug/L	100	1.90 U	109	75-125	2	20	
Tin	1050		10.0	ug/L	1000	4.71	104	75-125	2	20	
Vanadium	539		10.0	ug/L	500	5.00	107	75-125	1	20	
Zinc	1070		10.0	ug/L	1000	10.4	106	75-125	0.9	20	

Post Spike (9J20011-PS1) Prepared: 10/20/2009 10:28 Analyzed: 10/24/2009 14:03

Source: C911286-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1.13		0.0100	mg/L	1.00	0.00356	112	80-120			
Barium	1.17		0.0100	mg/L	1.00	0.0436	112	80-120			
Beryllium	0.569		0.00100	mg/L	0.500	0.000712	114	80-120			
Cadmium	0.550		0.00100	mg/L	0.500	0.000568	110	80-120			
Chromium	1.12		0.0100	mg/L	1.00	0.00313	112	80-120			
Cobalt	1.10		0.0100	mg/L	1.00	0.00158	110	80-120			
Copper	0.557		0.0100	mg/L	0.500	0.000859	111	80-120			
Lead	1.12		0.0100	mg/L	1.00	0.00221	111	80-120			
Nickel	1.10		0.0100	mg/L	1.00	0.000766	110	80-120			
Selenium	1.15		0.0100	mg/L	1.00	-0.00555	116	80-120			
Silver	0.111		0.0100	mg/L	0.100	0.000167	111	80-120			
Tin	1.12		0.0100	mg/L	1.00	0.00471	111	80-120			
Vanadium	0.570		0.0100	mg/L	0.500	0.00500	113	80-120			
Zinc	1.13		0.0100	mg/L	1.00	0.0104	112	80-120			

Batch 9J20013 - EPA 3005A

Blank (9J20013-BLK1) Prepared: 10/20/2009 10:32 Analyzed: 10/26/2009 11:09

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

QUALITY CONTROL

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

Batch 9J20013 - EPA 3005A

Blank (9J20013-BLK1) Continued Prepared: 10/20/2009 10:32 Analyzed: 10/26/2009 11:09

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.0730	U	2.00	ug/L							
Thallium	0.110	U	1.00	ug/L							

LCS (9J20013-BS1) Prepared: 10/20/2009 10:32 Analyzed: 10/26/2009 11:13

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		105	80-120			
Thallium	27.5		1.00	ug/L	25.0		110	80-120			

LCS (9J20013-BS2) Prepared: 10/20/2009 10:32 Analyzed: 11/03/2009 09:31

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	26.8		2.00	ug/L	25.0		107	80-120			

Matrix Spike (9J20013-MS1) Prepared: 10/20/2009 10:32 Analyzed: 10/26/2009 11:20

Source: C910279-01

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	0.0730 U	103	75-125			
Thallium	26.6		1.00	ug/L	25.0	0.110 U	106	75-125			

Matrix Spike Dup (9J20013-MSD1) Prepared: 10/20/2009 10:32 Analyzed: 10/26/2009 11:30

Source: C910279-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	25.4		2.00	ug/L	25.0	0.0730 U	102	75-125	1	20	
Thallium	26.2		1.00	ug/L	25.0	0.110 U	105	75-125	1	20	

Post Spike (9J20013-PS1) Prepared: 10/20/2009 10:32 Analyzed: 10/26/2009 11:34

Source: C910279-01

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	0.0350	104	80-120			
Thallium	27.4		1.00	ug/L	25.0	0.0820	109	80-120			

Batch 9J22040 - EPA 3005A

Blank (9J22040-BLK1) Prepared: 10/22/2009 15:40 Analyzed: 10/27/2009 17:45

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							

QUALITY CONTROL

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

Batch 9J22040 - EPA 3005A

Blank (9J22040-BLK1) Continued Prepared: 10/22/2009 15:40 Analyzed: 10/27/2009 17:45

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Lead	1.90	U	10.0	ug/L							
Nickel	1.80	U	10.0	ug/L							
Selenium	2.70	U	10.0	ug/L							
Silver	1.90	U	10.0	ug/L							
Tin	2.10	U	10.0	ug/L							
Vanadium	1.40	U	10.0	ug/L							
Zinc	3.80	U	10.0	ug/L							

LCS (9J22040-BS1) Prepared: 10/22/2009 15:40 Analyzed: 10/27/2009 17:48

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1070		10.0	ug/L	1000		107	80-120			
Barium	1080		10.0	ug/L	1000		108	80-120			
Beryllium	558		1.00	ug/L	500		112	80-120			
Cadmium	532		1.00	ug/L	500		106	80-120			
Chromium	1090		10.0	ug/L	1000		109	80-120			
Cobalt	1080		10.0	ug/L	1000		108	80-120			
Copper	545		10.0	ug/L	500		109	80-120			
Lead	1080		10.0	ug/L	1000		108	80-120			
Nickel	1070		10.0	ug/L	1000		107	80-120			
Selenium	1100		10.0	ug/L	1000		110	80-120			
Silver	108		10.0	ug/L	100		108	80-120			
Tin	1060		10.0	ug/L	1000		106	80-120			
Vanadium	553		10.0	ug/L	500		111	80-120			
Zinc	1100		10.0	ug/L	1000		110	80-120			

Matrix Spike (9J22040-MS1) Prepared: 10/22/2009 15:40 Analyzed: 10/27/2009 17:54

Source: C911436-15

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1050		10.0	ug/L	1000	4.90	104	75-125			
Barium	1050		10.0	ug/L	1000	1.28	105	75-125			
Beryllium	537		1.00	ug/L	500	0.416	107	75-125			
Cadmium	518		1.00	ug/L	500	0.553	104	75-125			
Chromium	1060		10.0	ug/L	1000	1.00	106	75-125			
Cobalt	1040		10.0	ug/L	1000	1.10 U	104	75-125			
Copper	527		10.0	ug/L	500	1.60 U	105	75-125			
Lead	1050		10.0	ug/L	1000	1.90 U	105	75-125			
Nickel	1040		10.0	ug/L	1000	1.80 U	104	75-125			
Selenium	1080		10.0	ug/L	1000	2.70 U	108	75-125			
Silver	106		10.0	ug/L	100	1.90 U	106	75-125			
Tin	1050		10.0	ug/L	1000	2.10 U	105	75-125			
Vanadium	536		10.0	ug/L	500	1.40 U	107	75-125			
Zinc	1070		10.0	ug/L	1000	3.80 U	107	75-125			

Matrix Spike Dup (9J22040-MSD1) Prepared: 10/22/2009 15:40 Analyzed: 10/27/2009 17:57

Source: C911436-15

QUALITY CONTROL

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

Batch 9J22040 - EPA 3005A

Matrix Spike Dup (9J22040-MSD1) Continued Prepared: 10/22/2009 15:40 Analyzed: 10/27/2009 17:57

Source: C911436-15

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1080		10.0	ug/L	1000	4.90	107	75-125	3	20	
Barium	1070		10.0	ug/L	1000	1.28	107	75-125	2	20	
Beryllium	552		1.00	ug/L	500	0.416	110	75-125	3	20	
Cadmium	530		1.00	ug/L	500	0.553	106	75-125	2	20	
Chromium	1080		10.0	ug/L	1000	1.00	108	75-125	2	20	
Cobalt	1070		10.0	ug/L	1000	1.10 U	107	75-125	2	20	
Copper	539		10.0	ug/L	500	1.60 U	108	75-125	2	20	
Lead	1070		10.0	ug/L	1000	1.90 U	107	75-125	2	20	
Nickel	1060		10.0	ug/L	1000	1.80 U	106	75-125	2	20	
Selenium	1110		10.0	ug/L	1000	2.70 U	111	75-125	2	20	
Silver	109		10.0	ug/L	100	1.90 U	109	75-125	3	20	
Tin	1070		10.0	ug/L	1000	2.10 U	107	75-125	2	20	
Vanadium	547		10.0	ug/L	500	1.40 U	109	75-125	2	20	
Zinc	1090		10.0	ug/L	1000	3.80 U	109	75-125	2	20	

Post Spike (9J22040-PS1) Prepared: 10/22/2009 15:40 Analyzed: 10/27/2009 17:59

Source: C911436-15

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1.13		0.0100	mg/L	1.00	0.00490	112	80-120			
Barium	1.13		0.0100	mg/L	1.00	0.00128	112	80-120			
Beryllium	0.584		0.00100	mg/L	0.500	0.000416	117	80-120			
Cadmium	0.555		0.00100	mg/L	0.500	0.000553	111	80-120			
Chromium	1.13		0.0100	mg/L	1.00	0.00100	113	80-120			
Cobalt	1.12		0.0100	mg/L	1.00	0.000541	112	80-120			
Copper	0.565		0.0100	mg/L	0.500	0.00119	113	80-120			
Lead	1.13		0.0100	mg/L	1.00	0.00145	113	80-120			
Nickel	1.11		0.0100	mg/L	1.00	0.000542	111	80-120			
Selenium	1.17		0.0100	mg/L	1.00	-0.00463	117	80-120			
Silver	0.106		0.0100	mg/L	0.100	-0.000439	107	80-120			
Tin	1.11		0.0100	mg/L	1.00	0.00204	111	80-120			
Vanadium	0.573		0.0100	mg/L	0.500	0.000445	114	80-120			
Zinc	1.15		0.0100	mg/L	1.00	0.00240	115	80-120			

Batch 9J22042 - EPA 3005A

Blank (9J22042-BLK1) Prepared: 10/22/2009 15:46 Analyzed: 10/26/2009 09:20

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.0730	U	2.00	ug/L							
Thallium	0.110	U	1.00	ug/L							

LCS (9J22042-BS1) Prepared: 10/22/2009 15:46 Analyzed: 10/26/2009 09:23

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	25.7		2.00	ug/L	25.0		103	80-120			
Thallium	26.8		1.00	ug/L	25.0		107	80-120			

QUALITY CONTROL

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

Batch 9J22042 - EPA 3005A

Matrix Spike (9J22042-MS1) Prepared: 10/22/2009 15:46 Analyzed: 10/26/2009 09:30

Source: C911436-17

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	25.9		2.00	ug/L	25.0	0.108	103	75-125			
Thallium	27.2		1.00	ug/L	25.0	0.110 U	109	75-125			

Matrix Spike Dup (9J22042-MSD1) Prepared: 10/22/2009 15:46 Analyzed: 10/26/2009 09:33

Source: C911436-17

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	25.6		2.00	ug/L	25.0	0.108	102	75-125	1	20	
Thallium	26.5		1.00	ug/L	25.0	0.110 U	106	75-125	3	20	

Post Spike (9J22042-PS1) Prepared: 10/22/2009 15:46 Analyzed: 10/26/2009 09:37

Source: C911436-17

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	25.5		2.00	ug/L	25.0	0.108	102	80-120			
Thallium	26.6		1.00	ug/L	25.0	0.0320	106	80-120			

Batch 9J23002 - EPA 3005A

Blank (9J23002-BLK1) Prepared: 10/23/2009 08:24 Analyzed: 10/27/2009 14:01

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**	**J**	10.0	ug/L							
Lead	1.90	U	10.0	ug/L							
Nickel	1.80	U	10.0	ug/L							
Selenium	2.70	U	10.0	ug/L							
Silver	1.90	U	10.0	ug/L							
Tin	2.10	U	10.0	ug/L							
Vanadium	1.40	U	10.0	ug/L							
Zinc	3.80	U	10.0	ug/L							

LCS (9J23002-BS1) Prepared: 10/23/2009 08:24 Analyzed: 10/27/2009 14:11

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	944		10.0	ug/L	1000		94	80-120			
Barium	1000		10.0	ug/L	1000		100	80-120			
Beryllium	506		1.00	ug/L	500		101	80-120			
Cadmium	485		1.00	ug/L	500		97	80-120			
Chromium	1010		10.0	ug/L	1000		101	80-120			

QUALITY CONTROL

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

Batch 9J23002 - EPA 3005A

LCS (9J23002-BS1) Continued Prepared: 10/23/2009 08:24 Analyzed: 10/27/2009 14:11

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cobalt	982		10.0	ug/L	1000		98	80-120			
Copper	507	B	10.0	ug/L	500		101	80-120			
Lead	965		10.0	ug/L	1000		97	80-120			
Nickel	981		10.0	ug/L	1000		98	80-120			
Selenium	964		10.0	ug/L	1000		96	80-120			
Silver	109		10.0	ug/L	100		109	80-120			
Tin	952		10.0	ug/L	1000		95	80-120			
Vanadium	515		10.0	ug/L	500		103	80-120			
Zinc	983		10.0	ug/L	1000		98	80-120			

Matrix Spike (9J23002-MS1) Prepared: 10/23/2009 08:24 Analyzed: 10/27/2009 14:17

Source: C911015-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1040		10.0	ug/L	1000	5.85	103	75-125			
Barium	1080		10.0	ug/L	1000	2.84	108	75-125			
Beryllium	550		1.00	ug/L	500	0.859	110	75-125			
Cadmium	524		1.00	ug/L	500	0.640	105	75-125			
Chromium	1090		10.0	ug/L	1000	1.19	109	75-125			
Cobalt	1060		10.0	ug/L	1000	6.86	105	75-125			
Copper	540	B	10.0	ug/L	500	1.60 U	108	75-125			
Lead	1040		10.0	ug/L	1000	1.90 U	104	75-125			
Nickel	1050		10.0	ug/L	1000	1.80 U	105	75-125			
Selenium	1070		10.0	ug/L	1000	2.70 U	107	75-125			
Silver	114		10.0	ug/L	100	1.90 U	114	75-125			
Tin	1040		10.0	ug/L	1000	4.86	104	75-125			
Vanadium	556		10.0	ug/L	500	1.40 U	111	75-125			
Zinc	1070		10.0	ug/L	1000	8.17	106	75-125			

Matrix Spike Dup (9J23002-MSD1) Prepared: 10/23/2009 08:24 Analyzed: 10/27/2009 14:20

Source: C911015-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1050		10.0	ug/L	1000	5.85	105	75-125	2	20	
Barium	1080		10.0	ug/L	1000	2.84	107	75-125	0.3	20	
Beryllium	554		1.00	ug/L	500	0.859	111	75-125	0.8	20	
Cadmium	520		1.00	ug/L	500	0.640	104	75-125	0.7	20	
Chromium	1080		10.0	ug/L	1000	1.19	108	75-125	0.3	20	
Cobalt	1060		10.0	ug/L	1000	6.86	105	75-125	0.2	20	
Copper	540	B	10.0	ug/L	500	1.60 U	108	75-125	0.07	20	
Lead	1060		10.0	ug/L	1000	1.90 U	106	75-125	2	20	
Nickel	1050		10.0	ug/L	1000	1.80 U	105	75-125	0.3	20	
Selenium	1080		10.0	ug/L	1000	2.70 U	108	75-125	1	20	
Silver	113		10.0	ug/L	100	1.90 U	113	75-125	1	20	
Tin	1060		10.0	ug/L	1000	4.86	105	75-125	1	20	
Vanadium	554		10.0	ug/L	500	1.40 U	111	75-125	0.4	20	
Zinc	1060		10.0	ug/L	1000	8.17	105	75-125	0.9	20	

QUALITY CONTROL

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

Batch 9J23002 - EPA 3005A

Post Spike (9J23002-PS1) Prepared: 10/23/2009 08:24 Analyzed: 10/27/2009 14:23

Source: C911015-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1.06		0.0100	mg/L	1.00	0.00585	105	80-120			
Barium	1.09		0.0100	mg/L	1.00	0.00284	109	80-120			
Beryllium	0.569		0.00100	mg/L	0.500	0.000859	114	80-120			
Cadmium	0.529		0.00100	mg/L	0.500	0.000640	106	80-120			
Chromium	1.10		0.0100	mg/L	1.00	0.00119	110	80-120			
Cobalt	1.07		0.0100	mg/L	1.00	0.00686	106	80-120			
Copper	0.549	B	0.0100	mg/L	0.500	-0.00149	110	80-120			
Lead	1.06		0.0100	mg/L	1.00	0.000484	106	80-120			
Nickel	1.06		0.0100	mg/L	1.00	0.000920	106	80-120			
Selenium	1.08		0.0100	mg/L	1.00	-0.00384	109	80-120			
Silver	0.109		0.0100	mg/L	0.100	0.00144	107	80-120			
Tin	1.05		0.0100	mg/L	1.00	0.00486	105	80-120			
Vanadium	0.565		0.0100	mg/L	0.500	0.000749	113	80-120			
Zinc	1.07		0.0100	mg/L	1.00	0.00817	107	80-120			

Classical Chemistry Parameters - Quality Control

Batch 9J19025 - NO PREP

Blank (9J19025-BLK1) Prepared & Analyzed: 10/19/2009 16:50

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	0.031	U	0.10	mg/L							

LCS (9J19025-BS1) Prepared & Analyzed: 10/19/2009 16:50

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	0.42		0.10	mg/L	0.401		104	80-120			

Matrix Spike (9J19025-MS1) Prepared & Analyzed: 10/19/2009 16:50

Source: C911016-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	0.35		0.10	mg/L	0.401	-0.008	88	80-120			

Matrix Spike Dup (9J19025-MSD1) Prepared & Analyzed: 10/19/2009 16:50

Source: C911016-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	0.35		0.10	mg/L	0.401	-0.008	90	80-120	2	25	

Batch 9J19026 - Same

Blank (9J19026-BLK1) Prepared: 10/20/2009 10:22 Analyzed: 10/21/2009 08:27

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	0.0047	U	0.0050	mg/L							

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 9J19026 - Same

LCS (9J19026-BS1) Prepared: 10/20/2009 10:22 Analyzed: 10/21/2009 08:29

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	0.14		0.0050	mg/L	0.150		90	90-110			

Matrix Spike (9J19026-MS1) Prepared: 10/20/2009 13:23 Analyzed: 10/21/2009 08:31

Source: C911965-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	0.16		0.0050	mg/L	0.150	0.0047 U	103	90-110			

Matrix Spike Dup (9J19026-MSD1) Prepared: 10/20/2009 13:23 Analyzed: 10/21/2009 08:33

Source: C911965-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	0.16		0.0050	mg/L	0.150	0.0047 U	104	90-110	0.5	10	

Batch 9J21014 - Same

Blank (9J21014-BLK1) Prepared: 10/21/2009 13:12 Analyzed: 10/22/2009 10:44

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	0.0047	U	0.0050	mg/L							

LCS (9J21014-BS1) Prepared: 10/21/2009 13:12 Analyzed: 10/22/2009 10:46

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	0.15		0.0050	mg/L	0.150		100	90-110			

Matrix Spike (9J21014-MS1) Prepared: 10/21/2009 16:03 Analyzed: 10/22/2009 10:48

Source: C912222-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	0.15		0.0050	mg/L	0.150	0.0047 U	101	90-110			

Matrix Spike Dup (9J21014-MSD1) Prepared: 10/21/2009 16:03 Analyzed: 10/22/2009 10:52

Source: C912222-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	0.14		0.0050	mg/L	0.150	0.0047 U	95	90-110	7	10	

Batch 9J23026 - NO PREP

Blank (9J23026-BLK1) Prepared & Analyzed: 10/23/2009 14:20

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	0.031	U	0.10	mg/L							

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 9J23026 - NO PREP

LCS (9J23026-BS1) Prepared & Analyzed: 10/23/2009 14:20

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	0.41		0.10	mg/L	0.401		102	80-120			

Matrix Spike (9J23026-MS1) Prepared & Analyzed: 10/23/2009 14:20

Source: C911892-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	0.18		0.10	mg/L	0.401	0.031 U	45	80-120			QM-07

Matrix Spike Dup (9J23026-MSD1) Prepared & Analyzed: 10/23/2009 14:20

Source: C911892-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	0.13		0.10	mg/L	0.401	0.031 U	33	80-120	30	25	QM-07

Batch 9J26025 - NO PREP

Blank (9J26025-BLK1) Prepared & Analyzed: 10/26/2009 16:00

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	0.031	U	0.10	mg/L							

LCS (9J26025-BS1) Prepared & Analyzed: 10/26/2009 16:00

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	0.41		0.10	mg/L	0.401		101	80-120			

Matrix Spike (9J26025-MS1) Prepared & Analyzed: 10/26/2009 16:00

Source: C912260-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	0.36		0.10	mg/L	0.401	-0.009	91	80-120			

Matrix Spike Dup (9J26025-MSD1) Prepared & Analyzed: 10/26/2009 16:00

Source: C912260-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	0.36		0.10	mg/L	0.401	-0.009	91	80-120	0.6	25	

Batch 9J28003 - Same

Blank (9J28003-BLK1) Prepared: 10/28/2009 10:57 Analyzed: 10/29/2009 10:10

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	0.0047	U	0.0050	mg/L							

LCS (9J28003-BS1) Prepared: 10/28/2009 10:57 Analyzed: 10/29/2009 10:12

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 9J28003 - Same

LCS (9J28003-BS1) Continued Prepared: 10/28/2009 10:57 Analyzed: 10/29/2009 10:12

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	0.15		0.0050	mg/L	0.150		101	90-110			

Matrix Spike (9J28003-MS1) Prepared: 10/28/2009 14:25 Analyzed: 10/29/2009 10:14

Source: C911898-10

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	0.15		0.0050	mg/L	0.150	0.0047 U	102	90-110			

Matrix Spike Dup (9J28003-MSD1) Prepared: 10/28/2009 14:25 Analyzed: 10/29/2009 10:16

Source: C911898-10

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	0.15		0.0050	mg/L	0.150	0.0047 U	100	90-110	2	10	

QUALITY CONTROL

Chlorinated Herbicides by GC - Quality Control

Batch 9J19002 - EPA 3510C

Blank (9J19002-BLK1) Prepared: 10/19/2009 08:37 Analyzed: 10/23/2009 10:54

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-T	0.053	U	0.50	ug/L							
2,4,5-TP (Silvex)	0.056	U	0.50	ug/L							
2,4-D	0.091	U	0.50	ug/L							
Dinoseb	0.28	U	0.50	ug/L							
Pentachlorophenol	0.043	U	0.50	ug/L							
Surrogate: 2,4-DCAA	*1.6*			*ug/L*	*2.00*		*82*	*68-139*			

LCS (9J19002-BS1) Prepared: 10/19/2009 08:37 Analyzed: 10/23/2009 11:18

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	2.0		0.50	ug/L	2.00		102	68-154			
2,4-D	2.0		0.50	ug/L	2.00		99	62-144			
Surrogate: 2,4-DCAA	*1.9*			*ug/L*	*2.00*		*97*	*68-139*			

Matrix Spike (9J19002-MS1) Prepared: 10/19/2009 08:37 Analyzed: 10/23/2009 11:42

Source: A905127-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	2.1		0.50	ug/L	2.00	0.056 U	106	68-154			
2,4-D	2.1		0.50	ug/L	2.00	0.091 U	105	62-144			
Surrogate: 2,4-DCAA	*1.9*			*ug/L*	*2.00*		*97*	*68-139*			

Matrix Spike Dup (9J19002-MSD1) Prepared: 10/19/2009 08:37 Analyzed: 10/23/2009 12:06

Source: A905127-04

QUALITY CONTROL

Chlorinated Herbicides by GC - Quality Control

Batch 9J19002 - EPA 3510C

Matrix Spike Dup (9J19002-MSD1) Continued Prepared: 10/19/2009 08:37 Analyzed: 10/23/2009 12:06

Source: A905127-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	2.3		0.50	ug/L	2.00	0.056 U	114	68-154	7	15	
2,4-D	2.3		0.50	ug/L	2.00	0.091 U	115	62-144	9	33	
Surrogate: 2,4-DCAA	*2.1*			*ug/L*	*2.00*		*103*	*68-139*			

Batch 9J21002 - EPA 3510C

Blank (9J21002-BLK1) Prepared: 10/21/2009 08:06 Analyzed: 10/22/2009 15:38

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-T	0.053	U	0.50	ug/L							
2,4,5-TP (Silvex)	0.056	U	0.50	ug/L							
2,4-D	0.091	U	0.50	ug/L							
Dinoseb	0.28	U	0.50	ug/L							
Pentachlorophenol	0.043	U	0.50	ug/L							
Surrogate: 2,4-DCAA	*1.6*			*ug/L*	*2.00*		*78*	*68-139*			

Blank (9J21002-BLK2) Prepared: 10/21/2009 08:06 Analyzed: 10/22/2009 16:02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-T	0.053	U	0.50	ug/L							
2,4,5-TP (Silvex)	0.056	U	0.50	ug/L							
2,4-D	0.091	U	0.50	ug/L							
Dinoseb	0.28	U	0.50	ug/L							
Pentachlorophenol	0.043	U	0.50	ug/L							
Surrogate: 2,4-DCAA	*1.7*			*ug/L*	*2.00*		*84*	*68-139*			

LCS (9J21002-BS1) Prepared: 10/21/2009 08:06 Analyzed: 10/22/2009 16:26

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	1.9		0.50	ug/L	2.00		94	68-154			
2,4-D	2.0		0.50	ug/L	2.00		101	62-144			
Surrogate: 2,4-DCAA	*1.7*			*ug/L*	*2.00*		*83*	*68-139*			

Matrix Spike (9J21002-MS1) Prepared: 10/21/2009 08:06 Analyzed: 10/22/2009 16:51

Source: A905156-07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	2.0		0.50	ug/L	2.00	0.056 U	98	68-154			
2,4-D	2.0		0.50	ug/L	2.00	0.091 U	100	62-144			
Surrogate: 2,4-DCAA	*1.7*			*ug/L*	*2.00*		*87*	*68-139*			

Matrix Spike Dup (9J21002-MSD1) Prepared: 10/21/2009 08:06 Analyzed: 10/22/2009 17:15

Source: A905156-07

QUALITY CONTROL

Chlorinated Herbicides by GC - Quality Control

Batch 9J21002 - EPA 3510C

Matrix Spike Dup (9J21002-MSD1) Continued Prepared: 10/21/2009 08:06 Analyzed: 10/22/2009 17:15

Source: A905156-07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	1.9		0.50	ug/L	2.00	0.056 U	95	68-154	3	15	
2,4-D	1.9		0.50	ug/L	2.00	0.091 U	96	62-144	4	33	
Surrogate: 2,4-DCAA	*1.7*			*ug/L*	*2.00*		*85*	*68-139*			

Batch 9J22019 - EPA 3510C

Blank (9J22019-BLK1) Prepared: 10/22/2009 14:11 Analyzed: 10/26/2009 20:07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-T	0.053	U	0.50	ug/L							
2,4,5-TP (Silvex)	0.056	U	0.50	ug/L							
2,4-D	0.091	U	0.50	ug/L							
Dinoseb	0.28	U	0.50	ug/L							
Pentachlorophenol	0.043	U	0.50	ug/L							
Surrogate: 2,4-DCAA	*1.7*			*ug/L*	*2.00*		*86*	*68-139*			

LCS (9J22019-BS1) Prepared: 10/22/2009 14:11 Analyzed: 10/26/2009 20:31

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	2.2		0.50	ug/L	2.00		111	68-154			
2,4-D	2.2		0.50	ug/L	2.00		110	62-144			
Surrogate: 2,4-DCAA	*1.9*			*ug/L*	*2.00*		*94*	*68-139*			

Matrix Spike (9J22019-MS1) Prepared: 10/22/2009 14:11 Analyzed: 10/26/2009 20:56

Source: A905218-10

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	2.1		0.50	ug/L	2.00	0.056 U	106	68-154			
2,4-D	2.0		0.50	ug/L	2.00	0.091 U	102	62-144			
Surrogate: 2,4-DCAA	*1.8*			*ug/L*	*2.00*		*88*	*68-139*			

Matrix Spike Dup (9J22019-MSD1) Prepared: 10/22/2009 14:11 Analyzed: 10/26/2009 21:20

Source: A905218-10

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	2.2		0.50	ug/L	2.00	0.056 U	110	68-154	4	15	
2,4-D	2.1		0.50	ug/L	2.00	0.091 U	105	62-144	2	33	
Surrogate: 2,4-DCAA	*1.8*			*ug/L*	*2.00*		*91*	*68-139*			

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.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-08	Post-digestion spike did not meet method requirements due to confirmed matrix effects (dilution test).
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QS-03	Surrogate recovery outside acceptance limits
QS-06a	Surrogate recovery exceeded acceptance criteria due to the presence of a coeluting compound. This is a confirmed matrix effect.
QV-01	The associated continuing calibration verification standard exhibited high bias; since the result is ND, the impact on data quality is minimal.

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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Page ___ of ___

Client Name: S&ME, INC.	Project Number: 1584-98-081
Address: 3718 Old Battleground Rd.	Project Name/Desc: WHITE ST. LANDFILL
City/ST/Zip: GREENSBORO, NC 27410	PO # / Billing Info:
Tel: / Fax:	Reporting Contact: ED HENRIQUES
Sampler(s) Name, Affiliation (Print): [signature]	Billing Contact:
Sampler(s) Signature: GARY SIMCOX	Facility # (if required):

Requested Analyses

Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8081A APP II, 8082 APP II, 8151A APP II, 8270 C APP II	8260B APP II	Ag, As, Ba, Be, Cd, Co, Cr, Cu, Hg, Ni, Pb, Sb, Se, Sn, Ti, V, Zn	CYANIDE TOTAL 335.4	SULFIDE 376.2						Sample Comments
	II-3	10/14/09	1215	G	W	11	X	X	X	X	X						
	MW-13	10/14/09	1010	G	W	11	X	X	X	X	X						

<-- Total # of Containers

Requested Turnaround Times

Note: Rush requests subject to acceptance by the facility

___ Standard

___ Expedited

Due ___/___/___

Lab Workorder: C910811

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
		[signature]	10/15/09 0800	B.W.	10/15/09 1030
Comments		Relinquished By: [signature]	Date/Time: 10/15/09 1300	Received By: Briana Gregory	Date/Time: 10-15-09 13:00
		Relinquished By	Date/Time	Received By	Date/Time
		Cooler #'s & Temps on Receipt: C-398 1.5°C		Condition Upon Receipt: X Acceptable ___ Unacceptable	

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

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

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

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ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

10775 Central Port Dr.
Orlando, FL 32824
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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 ____ of ____

Client Name: S&ME, Inc. (SM004)	Project Number: 1584-98-081
Address: 3718 Old Battleground Rd.	Project Name/Desc: White Street LF App II
City/ST/Zip: Greensboro, NC 27410	PO # / Billing Info:
Tel: 288-7180 Fax:	Reporting Contact: Ed Henriques
Sampler(s) Name, Affiliation (Print): Gary Simkox / S&ME	Billing Contact:
Sampler(s) Signature: [signature]	Facility # (if required):

Requested Analyses

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp. / Grab	Matrix (see codes)	Total # of Containers	8081A Appendix 2, 8082 Appendix 2, 8151A Appendix 2, 8270C Appendix 2	8260B Appendix 2	As, Ag, Ba, Be, Cd, Cr, Cu, Hg, Ni, Pb, Sb, Se, Sn, Ti, V, Zn	Cyanide Total 335.4	Sulfide 376.2						Sample Comments
	II-5	10/13/09	1840	Grab	WT	11	X	X	X	X	X						
	II-6	10/13/09	1450	Grab	WT	11	X	X	X	X	X						
	II-8	10/13/09	1215	Grab	WT	11	X	X	X	X	X						
	MW-14	10/13/09	1650	Grab	WT	11	X	X	X	X	X						

Preservation (See Codes) (Combine as necessary)

<-- Total # of Containers

Requested Turnaround Times

Note: Rush requests subject to acceptance by the facility

___ Standard

___ Expedited

Due __/__/__

Lab Workorder: C911965

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
				[signature]	10/14/09 10:45
Comments		Relinquished By: [signature]	Date/Time: 13:00 10/14	Received By: Briana Gregory	Date/Time: 10-14-09 13:00
		Relinquished By	Date/Time	Received By	Date/Time
		Cooler #'s & Temps on Receipt: C-431 2.1°C	8-8 1.5°C	Condition Upon Receipt: X Acceptable ___ Unacceptable	

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

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

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

Page ____ of ____

Client Name: SIME, INC	Project Number: 1584-98-081
Address: 3718 OLD BATTLEGROUND RD.	Project Name/Site: WHITE ST. LANDFILL
City/ST/Zip: GREENSBORO, NC 27410	PO # / Billing a/c:
Tel: 288-7180 Fax:	Reporting Contact: CONNIE WALKE
Sampler(s) Name, Affiliation (Print): GARY SIMCOX	Billing Contact:
Sampler(s) Signature:	Facility # (if required):

Requested Analyses: 8081A APP 2, 8082 APP 2, 8151A APP 2, 8270C APP 2; 8260B APP 2; As, Al, Ba, Be, Ca, Co, Cu, Fe, Ni, Pb, Sb, Se, Sn, Ti, V, Zn; CYANIDE TOTAL 335.4; SULFIDE 376.2

Preservation (See Codes) (Combine as necessary)

Requested Turnaround Times

Note: Rush requests subject to acceptance by the facility

___ Standard

___ Expedited

Due __/__/__

Lab Workorder: C91216 8

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8081A APP 2, 8082 APP 2, 8151A APP 2, 8270C APP 2	8260B APP 2	As, Al, Ba, Be, Ca, Co, Cu, Fe, Ni, Pb, Sb, Se, Sn, Ti, V, Zn	CYANIDE TOTAL 335.4	SULFIDE 376.2						Sample Comments
	II-1	10/16/09	1000	G	WT	11	X	X	X	X	X						
	II-2	10/16/09	1250	G	WT	11	X	X	X	X	X						

<- Total # of Containers

Sample Kit Prepared by	Date/Time	Relinquished By:	Date/Time: 10/16/09 1800	Received By:	Date/Time
Comments:		Relinquished By:	Date/Time:	Received By:	Date/Time:
		Relinquished By:	Date/Time:	Received By:	Date/Time: 10/19/09 9:45
		Cooler #'s & Temperature Receipt: E-8 5.4°C		Condition Upon Receipt: X Acceptable ___ Unacceptable	

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

Preservation: Hce H-HCl N-HNO3 S-H2SO4 SO-NaOH O-Other (detail in comments)

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102-A Woodwinds Industrial Ct. Cary, NC 27511 (919) 467-3200 Fax (919) 467-3515

Client Name: SSME, Inc. (SM004)	Project Number: (none)
Address: 3718 Old Battleground Rd.	Project Name/Site: White Street LF App II (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: 8081B Appendix 2, 8082A Appendix 2, 8151A Appendix 2, 8270D Appendix 2; 8260B Appendix 2; Ag, As, Ba, Cd, Cr, Cu, Ni, Pb, Se, Sn, Tl, V, Zn; Cyanide Total 335.4; Hg; Sulfide 376.2

Requested Turnaround Times

Note: Rush requests subject to acceptance by the facility

___ Standard

___ Expedited

Due ___/___/___

Lab Workorder: ~~0910011~~ ~~0910022~~

Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp/ Grab	Matrix (see codes)	Total # of Containers	8081B	8260B	8270	Cyanide	Hg	Sulfide					Sample Comments
	~~#103 DUPLICATE II~~				~~GW~~	~~11~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~					
	~~#103 Trip Blank #2~~				~~WW~~	~~2~~		~~X~~									
	II - 4	7/13/09	1705	G	GW	11	X	X	X	X	X	X					
	II - 7	7/13/09	1245	G	GW	11	X	X	X	X	X	X					
	II - 7B	7/13/09	1010	G	GW	11	X	X	X	X	X	X					

<- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
CB. JK	9-17-09	[signature]	10/20/09	[signature]	[illegible]
Comments		Relinquished By: [signature]	Date/Time: 10/20/09 11:00	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time

Cooler # & Temps on Receipt: E8 TS40 C-334 C-398

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

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

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Cary, NC 27511
(919) 467-3090 Fax (919) 467-3515

Page ____ of ____

Client Name: S&ME, INC.	Project Number: 1584-98-081
Address: 3718 OLD BATTLEGROUND RD.	Project Name/Desc: WHITE ST. LANDFILL
City/ST/Zip: GREENSBORO, NC 27410	PO # / Billing Info:
Tel: 288-7180 Fax:	Reporting Contact: ED HENRIQUES
Sampler(s) Name, Affiliation (Print): [signature]	Billing Contact:
Sampler(s) Signature: GARY SIMCOX	Facility # (if required):

Requested Analyses

Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8081B APP 2, 8082A APP 2, 8151A APP 2, 8270D APP 2	8260B APP 2	Ag, As, Ba, Be, Co, Cr, Cu, Ni, Pb, Sb, Se, Sn, Tl, V, Zn	CYANIDE TOTAL 335.4	Hg	SULFIDE 376.2					Sample Comments
	II - 12	10/20/09	0915	G	W	11	X	X	X	X	X	X					
	DUPLICATE II	10/20/09	0700	G	W	11	X	X	X	X	X	X					

<-- Total # of Containers

Requested Turnaround Times

Note: Rush requests subject to acceptance by the facility

___ Standard

___ Expedited

Due ___/___/___

Lab Workorder: C912263

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
		[signature]	10/20/09 2010	10/21/09 [signature]	10/21/09 11:[illegible]
Comments		Relinquished By: [signature]	Date/Time: 10/21/09 1330	Received By: Brianna [signature]	Date/Time: 10-21-09 13:30
		Relinquished By	Date/Time	Received By	Date/Time
		Cooler #s & Temps on Receipt: 1.5°C		Condition Upon Receipt: X Acceptable ___ Unacceptable	

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

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

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

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

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Wednesday, November 4, 2009

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: C910822

Dear Edmund Henriques,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Wednesday, October 14, 2009.

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 81.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: 4112 MW-15 | **Lab ID: C910822-01** | **Sampled: 10/12/09 13:25** | **Received: 10/14/09 13:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	04/10/10	10/14/09 16:58	10/27/2009 10:36
EPA 6020A	04/10/10	10/15/09 14:04	10/21/2009 10:22
EPA 8260B	10/26/09	10/16/09 11:28	10/16/2009 20:57

Client ID: 4112 MW-16 | **Lab ID: C910822-02** | **Sampled: 10/13/09 08:55** | **Received: 10/14/09 13:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	04/11/10	10/14/09 16:58	10/27/2009 10:39
EPA 6020A	04/11/10	10/15/09 14:04	10/21/2009 10:25
EPA 8260B	10/27/09	10/16/09 11:28	10/16/2009 21:26

Client ID: 4112 MW-17 | **Lab ID: C910822-03** | **Sampled: 10/09/09 10:15** | **Received: 10/14/09 13:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	04/07/10	10/14/09 16:58	10/27/2009 10:42
EPA 6020A	04/07/10	10/15/09 14:04	10/21/2009 10:29

Client ID: 4112 MW-17 | **Lab ID: C910822-03RE1** | **Sampled: 10/09/09 10:15** | **Received: 10/14/09 13:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	10/23/09	10/16/09 11:28	10/18/2009 07:05

Client ID: 4112 MW-18 | **Lab ID: C910822-04** | **Sampled: 10/13/09 10:20** | **Received: 10/14/09 13:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	04/11/10	10/14/09 16:58	10/27/2009 10:54
EPA 6020A	04/11/10	10/15/09 14:04	10/21/2009 10:40
EPA 8260B	10/27/09	10/16/09 11:49	10/17/2009 03:07

Client ID: 4112 MW-19 | **Lab ID: C910822-05** | **Sampled: 10/07/09 14:05** | **Received: 10/14/09 13:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	04/05/10	10/14/09 16:58	10/27/2009 10:17
EPA 6020A	04/05/10	10/15/09 14:04	10/21/2009 10:43
EPA 8260B	10/21/09	10/16/09 11:49	10/17/2009 03:36

Client ID: 4112 MW-20 | **Lab ID: C910822-06** | **Sampled: 10/07/09 15:00** | **Received: 10/14/09 13:00**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	04/05/10	10/14/09 16:58	10/27/2009 10:58
EPA 6020A	04/05/10	10/15/09 14:04	10/21/2009 10:47
EPA 8260B	10/21/09	10/16/09 11:49	10/17/2009 04:04

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Client ID: 4112 MW-21	Lab ID: C910822-07	Sampled: 10/07/09 16:15	Received: 10/14/09 13:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	04/05/10	10/14/09 16:58	10/27/2009 11:01
EPA 6020A	04/05/10	10/15/09 14:04	10/21/2009 10:50
EPA 8260B	10/21/09	10/16/09 11:49	10/17/2009 04:32

Client ID: 4112 MW-22	Lab ID: C910822-08	Sampled: 10/12/09 09:40	Received: 10/14/09 13:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	04/10/10	10/14/09 16:58	10/27/2009 11:04
EPA 6020A	04/10/10	10/15/09 14:04	10/21/2009 10:54
EPA 8260B	10/26/09	10/16/09 11:49	10/17/2009 05:01

Client ID: 4112 MW-23	Lab ID: C910822-09	Sampled: 10/12/09 11:20	Received: 10/14/09 13:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	04/10/10	10/14/09 16:58	10/27/2009 11:07
EPA 6020A	04/10/10	10/15/09 14:04	10/21/2009 10:57
EPA 8260B	10/26/09	10/16/09 11:49	10/17/2009 05:29

Client ID: 4112 MW-24	Lab ID: C910822-10	Sampled: 10/12/09 12:20	Received: 10/14/09 13:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	04/10/10	10/14/09 16:58	10/27/2009 11:10
EPA 6020A	04/10/10	10/15/09 14:04	10/21/2009 11:01
EPA 8260B	10/26/09	10/16/09 11:49	10/17/2009 05:57

Client ID: 4112 MW-25B	Lab ID: C910822-11	Sampled: 10/12/09 09:05	Received: 10/14/09 13:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	04/10/10	10/14/09 16:58	10/27/2009 11:13
EPA 6020A	04/10/10	10/15/09 14:04	10/21/2009 11:04
EPA 8260B	10/26/09	10/16/09 11:49	10/17/2009 06:25

Client ID: 4112 DUPLICATE-III	Lab ID: C910822-12	Sampled: 10/07/09 17:00	Received: 10/14/09 13:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	04/05/10	10/14/09 16:58	10/27/2009 11:17
EPA 6020A	04/05/10	10/15/09 14:04	10/21/2009 11:08
EPA 8260B	10/21/09	10/16/09 11:49	10/17/2009 06:54

Client ID: 4112 Trip Blank #3	Lab ID: C910822-13	Sampled: 10/07/09 17:00	Received: 10/14/09 13:00

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	10/21/09	10/16/09 11:49	10/17/2009 07:22

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Client ID: 4112 SW-1	Lab ID: C912267-01	Sampled: 10/20/09 19:00	Received: 10/21/09 13:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	04/18/10	10/23/09 12:40	11/3/2009 14:00
EPA 6020A	04/18/10	10/23/09 08:30	10/27/2009 11:25
EPA 8260B	11/03/09	10/22/09 11:29	10/23/2009 00:17

Client ID: 4112 SW-2	Lab ID: C912267-02	Sampled: 10/20/09 17:55	Received: 10/21/09 13:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	04/18/10	10/23/09 12:40	11/3/2009 14:03
EPA 6020A	04/18/10	10/23/09 08:30	10/27/2009 11:28
EPA 8260B	11/03/09	10/22/09 11:29	10/23/2009 00:47

Client ID: 4112 SW-3	Lab ID: C912267-03	Sampled: 10/20/09 16:15	Received: 10/21/09 13:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	04/18/10	10/23/09 12:40	11/3/2009 14:06
EPA 6020A	04/18/10	10/23/09 08:30	10/27/2009 12:32
EPA 8260B	11/03/09	10/22/09 11:29	10/23/2009 01:18

Client ID: 4112 SW-4	Lab ID: C912267-04	Sampled: 10/20/09 18:25	Received: 10/21/09 13:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	04/18/10	10/23/09 12:40	11/3/2009 14:18
EPA 6020A	04/18/10	10/23/09 08:30	10/27/2009 12:35
EPA 8260B	11/03/09	10/23/09 08:44	10/24/2009 02:20

Client ID: 4112 SW-5	Lab ID: C912267-05	Sampled: 10/20/09 17:35	Received: 10/21/09 13:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	04/18/10	10/23/09 12:40	11/3/2009 14:21
EPA 6020A	04/18/10	10/23/09 08:30	10/27/2009 12:38
EPA 8260B	11/03/09	10/23/09 08:44	10/24/2009 02:51

Client ID: II-11	Lab ID: C912267-06	Sampled: 10/20/09 13:20	Received: 10/21/09 13:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	04/18/10	10/23/09 12:40	11/3/2009 14:24
EPA 6020A	04/18/10	10/23/09 08:30	10/27/2009 12:42

Client ID: II-11	Lab ID: C912267-06RE1	Sampled: 10/20/09 13:20	Received: 10/21/09 13:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	11/03/09	10/24/09 14:49	10/28/2009 15:10

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NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: 4112 MW-15 Lab ID: C910822-01

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Arsenic - Total	3.16	J	1	2.80	10.0	10	ug/L	EPA 6010C	
Barium - Total	21.8	J	1	1.00	10.0	100	ug/L	EPA 6010C	

Client ID: 4112 MW-16 Lab ID: C910822-02

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Arsenic - Total	3.81	J	1	2.80	10.0	10	ug/L	EPA 6010C	
Barium - Total	179		1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total	1.79	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Cobalt - Total	1.58	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	5.98	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Nickel - Total	4.44	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Vanadium - Total	2.06	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	6.40	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4112 MW-17 Lab ID: C910822-03

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Arsenic - Total	3.29	J	1	2.80	10.0	10	ug/L	EPA 6010C	
Barium - Total	52.4	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total	1.47	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Vanadium - Total	2.31	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	3.96	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4112 MW-18 Lab ID: C910822-04

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Arsenic - Total	4.13	J	1	2.80	10.0	10	ug/L	EPA 6010C	
Barium - Total	25.9	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Cobalt - Total	5.89	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Vanadium - Total	2.48	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	8.55	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4112 MW-19 Lab ID: C910822-05

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Arsenic - Total	4.69	J	1	2.80	10.0	10	ug/L	EPA 6010C	
Barium - Total	22.1	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Beryllium - Total	0.562	J	1	0.100	1.00	1	ug/L	EPA 6010C	
Cadmium - Total	0.563	J	1	0.360	1.00	1	ug/L	EPA 6010C	
Chromium - Total	1.84	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Cobalt - Total	1.34	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Vanadium - Total	5.42	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	5.22	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4112 MW-20 Lab ID: C910822-06

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Arsenic - Total	4.70	J	1	2.80	10.0	10	ug/L	EPA 6010C	
Barium - Total	76.4	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Cobalt - Total	1.10	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Nickel - Total	4.56	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Vanadium - Total	6.80	J	1	1.40	10.0	25	ug/L	EPA 6010C	

Client ID: 4112 MW-20 Lab ID: C910822-06

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Zinc - Total	7.32	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4112 MW-21 Lab ID: C910822-07

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Arsenic - Total	3.29	J	1	2.80	10.0	10	ug/L	EPA 6010C	
Barium - Total	35.9	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Copper - Total	2.22	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Zinc - Total	17.5		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4112 MW-22 Lab ID: C910822-08

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	96.4	J	1	1.00	10.0	100	ug/L	EPA 6010C	

Client ID: 4112 MW-23 Lab ID: C910822-09

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	65.0	J	1	1.00	10.0	100	ug/L	EPA 6010C	

Client ID: 4112 MW-24 Lab ID: C910822-10

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Antimony - Total	0.162	J	1	0.0730	2.00	6	ug/L	EPA 6020A	
Barium - Total	465		1	1.00	10.0	100	ug/L	EPA 6010C	
Cobalt - Total	6.23	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	7.11	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Nickel - Total	6.74	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Vanadium - Total	6.31	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	24.5		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4112 MW-25B Lab ID: C910822-11

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	13.5	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total	2.20	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Vanadium - Total	4.00	J	1	1.40	10.0	25	ug/L	EPA 6010C	

Client ID: 4112 DUPLICATE-III Lab ID: C910822-12

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	34.7	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Zinc - Total	17.7		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4112 SW-1 Lab ID: C912267-01

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Antimony - Total	0.461	JB	1	0.0730	2.00	6	ug/L	EPA 6020A	J-01
Barium - Total	68.3	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Beryllium - Total	0.113	J	1	0.100	1.00	1	ug/L	EPA 6010C	
Cadmium - Total	0.477	J	1	0.360	1.00	1	ug/L	EPA 6010C	
Chromium - Total	8.16	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Cobalt - Total	3.43	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	10.7		1	1.60	10.0	10	ug/L	EPA 6010C	
Lead - Total	8.94	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Nickel - Total	2.94	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Vanadium - Total	10.7	J	1	1.40	10.0	25	ug/L	EPA 6010C	

Client ID: 4112 SW-1 Lab ID: C912267-01

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Zinc - Total	70.0		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4112 SW-2 Lab ID: C912267-02

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Antimony - Total	0.185	JB	1	0.0730	2.00	6	ug/L	EPA 6020A	J-01
Barium - Total	36.3	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Vanadium - Total	2.19	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	7.62	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4112 SW-3 Lab ID: C912267-03

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	6.0	J	1	1.5	5.0	100	ug/L	EPA 8260B	
Antimony - Total	0.351	JB	1	0.0730	2.00	6	ug/L	EPA 6020A	J-01
Barium - Total	21.8	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Bromodichloromethane	1.0		1	0.37	1.0	1	ug/L	EPA 8260B	
Chloroform	2.4	J	1	0.20	1.0	5	ug/L	EPA 8260B	
Copper - Total	7.10	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Nickel - Total	2.53	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Toluene	0.85	J	1	0.27	1.0	1	ug/L	EPA 8260B	
Vanadium - Total	1.81	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	45.2		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4112 SW-4 Lab ID: C912267-04

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Antimony - Total	0.346	JB	1	0.0730	2.00	6	ug/L	EPA 6020A	J-01
Barium - Total	27.2	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chloroform	2.1	J	1	0.20	1.0	5	ug/L	EPA 8260B	
Copper - Total	5.15	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Lead - Total	2.44	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Nickel - Total	1.89	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Vanadium - Total	2.79	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	30.9		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4112 SW-5 Lab ID: C912267-05

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	6.2	J	1	1.5	5.0	100	ug/L	EPA 8260B	
Antimony - Total	0.337	JB	1	0.0730	2.00	6	ug/L	EPA 6020A	J-01
Barium - Total	26.9	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chloroform	1.3	J	1	0.20	1.0	5	ug/L	EPA 8260B	
Copper - Total	5.26	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Lead - Total	3.34	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Vanadium - Total	1.86	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	33.2		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: II-11 Lab ID: C912267-06

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Antimony - Total	0.100	JB	1	0.0730	2.00	6	ug/L	EPA 6020A	J-01
Barium - Total	109		1	1.00	10.0	100	ug/L	EPA 6010C	
Cobalt - Total	7.74	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Lead - Total	2.45	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Vanadium - Total	2.21	J	1	1.40	10.0	25	ug/L	EPA 6010C	

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ANALYTICAL RESULTS

Description: 4112 MW-15
Matrix: Ground Water
Project: White Street Landfill AppI (Phase III)

Lab Sample ID: C910822-01
Sampled: 10/12/09 13:25
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C910822

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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/16/09 20:57	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/16/09 20:57	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	10/16/09 20:57	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/16/09 20:57	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	10/16/09 20:57	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	10/16/09 20:57	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	10/16/09 20:57	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/16/09 20:57	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	10/16/09 20:57	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	10/16/09 20:57	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	10/16/09 20:57	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/16/09 20:57	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/16/09 20:57	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	10/16/09 20:57	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	10/16/09 20:57	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/16/09 20:57	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/16/09 20:57	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	10/16/09 20:57	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/16/09 20:57	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	10/16/09 20:57	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/16/09 20:57	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	10/16/09 20:57	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	10/16/09 20:57	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	10/16/09 20:57	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/16/09 20:57	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/16/09 20:57	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	10/16/09 20:57	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	10/16/09 20:57	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	10/16/09 20:57	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	10/16/09 20:57	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/16/09 20:57	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	10/16/09 20:57	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	10/16/09 20:57	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/16/09 20:57	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	10/16/09 20:57	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	10/16/09 20:57	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	10/16/09 20:57	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/16/09 20:57	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/16/09 20:57	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	10/16/09 20:57	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/16/09 20:57	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	10/16/09 20:57	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/16/09 20:57	JKG	

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Description: 4112 MW-15
Matrix: Ground Water
Project: White Street Landfill Appl (Phase III)

Lab Sample ID: C910822-01
Sampled: 10/12/09 13:25
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C910822

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] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/16/09 20:57	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	10/16/09 20:57	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	10/16/09 20:57	JKG	
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/16/09 20:57	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*43*	*1*	*50.0*	*87 %*	*51-122*	*9J16014*	*EPA 8260B*	*10/16/09 20:57*	*JKG*	
Dibromofluoromethane	*50*	*1*	*50.0*	*101 %*	*68-117*	*9J16014*	*EPA 8260B*	*10/16/09 20:57*	*JKG*	
Toluene-d8	*46*	*1*	*50.0*	*91 %*	*69-110*	*9J16014*	*EPA 8260B*	*10/16/09 20:57*	*JKG*	

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Description: 4112 MW-15
Matrix: Ground Water
Project: White Street Landfill AppI (Phase III)

Lab Sample ID: C910822-01
Sampled: 10/12/09 13:25
Sampled By: Gary Simcox

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Work Order: C910822

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] ^	0.0730	U	ug/L	1	0.0730	2.00	6	EPA 6020A	10/21/09 10:22	VLO	
Arsenic [7440-38-2] ^	**3.16**	J	ug/L	1	2.80	10.0	10	EPA 6010C	10/27/09 10:36	JDH	
Barium [7440-39-3] ^	**21.8**	J	ug/L	1	1.00	10.0	100	EPA 6010C	10/27/09 10:36	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	10/27/09 10:36	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	10/27/09 10:36	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	10/27/09 10:36	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	10/27/09 10:36	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	10/27/09 10:36	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/27/09 10:36	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	10/27/09 10:36	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	10/27/09 10:36	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/27/09 10:36	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	10/21/09 10:22	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	10/27/09 10:36	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	10/27/09 10:36	JDH	

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

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Description: 4112 MW-16
Matrix: Ground Water
Project: White Street Landfill Appl (Phase III)

Lab Sample ID: C910822-02
Sampled: 10/13/09 08:55
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C910822

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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/16/09 21:26	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/16/09 21:26	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	10/16/09 21:26	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/16/09 21:26	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	10/16/09 21:26	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	10/16/09 21:26	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	10/16/09 21:26	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/16/09 21:26	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	10/16/09 21:26	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	10/16/09 21:26	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	10/16/09 21:26	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/16/09 21:26	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/16/09 21:26	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	10/16/09 21:26	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	10/16/09 21:26	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/16/09 21:26	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/16/09 21:26	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	10/16/09 21:26	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/16/09 21:26	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	10/16/09 21:26	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/16/09 21:26	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	10/16/09 21:26	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	10/16/09 21:26	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	10/16/09 21:26	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/16/09 21:26	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/16/09 21:26	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	10/16/09 21:26	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	10/16/09 21:26	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	10/16/09 21:26	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	10/16/09 21:26	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/16/09 21:26	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	10/16/09 21:26	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	10/16/09 21:26	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/16/09 21:26	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	10/16/09 21:26	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	10/16/09 21:26	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	10/16/09 21:26	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/16/09 21:26	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/16/09 21:26	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	10/16/09 21:26	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/16/09 21:26	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	10/16/09 21:26	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/16/09 21:26	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/16/09 21:26	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	10/16/09 21:26	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	10/16/09 21:26	JKG	

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Description: 4112 MW-16
Matrix: Ground Water
Project: White Street Landfill AppI (Phase III)

Lab Sample ID: C910822-02
Sampled: 10/13/09 08:55
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C910822

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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/16/09 21:26	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*43*	*1*	*50.0*	*86 %*	*51-122*	*9J16014*	*EPA 8260B*	*10/16/09 21:26*	*JKG*	
Dibromofluoromethane	*49*	*1*	*50.0*	*98 %*	*68-117*	*9J16014*	*EPA 8260B*	*10/16/09 21:26*	*JKG*	
Toluene-d8	*46*	*1*	*50.0*	*92 %*	*69-110*	*9J16014*	*EPA 8260B*	*10/16/09 21:26*	*JKG*	

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Description: 4112 MW-16
Matrix: Ground Water
Project: White Street Landfill Appl (Phase III)

Lab Sample ID: C910822-02
Sampled: 10/13/09 08:55
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C910822

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] ^	0.0730	U	ug/L	1	0.0730	2.00	6	EPA 6020A	10/21/09 10:25	VLO	
Arsenic [7440-38-2] ^	**3.81**	J	ug/L	1	2.80	10.0	10	EPA 6010C	10/27/09 10:39	JDH	
Barium [7440-39-3] ^	**179**		ug/L	1	1.00	10.0	100	EPA 6010C	10/27/09 10:39	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	10/27/09 10:39	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	10/27/09 10:39	JDH	
Chromium [7440-47-3] ^	**1.79**	J	ug/L	1	1.00	10.0	10	EPA 6010C	10/27/09 10:39	JDH	
Cobalt [7440-48-4] ^	**1.58**	J	ug/L	1	1.10	10.0	10	EPA 6010C	10/27/09 10:39	JDH	
Copper [7440-50-8] ^	**5.98**	J	ug/L	1	1.60	10.0	10	EPA 6010C	10/27/09 10:39	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/27/09 10:39	JDH	
Nickel [7440-02-0] ^	**4.44**	J	ug/L	1	1.80	10.0	50	EPA 6010C	10/27/09 10:39	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	10/27/09 10:39	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/27/09 10:39	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	10/21/09 10:25	VLO	
Vanadium [7440-62-2] ^	**2.06**	J	ug/L	1	1.40	10.0	25	EPA 6010C	10/27/09 10:39	JDH	
Zinc [7440-66-6] ^	**6.40**	J	ug/L	1	3.80	10.0	10	EPA 6010C	10/27/09 10:39	JDH	

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Description: 4112 MW-17
Matrix: Ground Water
Project: White Street Landfill Appl (Phase III)

Lab Sample ID: C910822-03
Sampled: 10/09/09 10:15
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C910822

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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/18/09 07:05	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/18/09 07:05	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	10/18/09 07:05	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/18/09 07:05	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	10/18/09 07:05	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	10/18/09 07:05	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	10/18/09 07:05	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/18/09 07:05	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	10/18/09 07:05	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	10/18/09 07:05	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	10/18/09 07:05	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/18/09 07:05	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/18/09 07:05	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	10/18/09 07:05	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	10/18/09 07:05	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/18/09 07:05	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/18/09 07:05	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	10/18/09 07:05	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/18/09 07:05	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	10/18/09 07:05	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/18/09 07:05	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	10/18/09 07:05	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	10/18/09 07:05	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	10/18/09 07:05	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/18/09 07:05	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/18/09 07:05	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	10/18/09 07:05	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	10/18/09 07:05	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	10/18/09 07:05	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	10/18/09 07:05	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/18/09 07:05	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	10/18/09 07:05	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	10/18/09 07:05	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/18/09 07:05	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	10/18/09 07:05	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	10/18/09 07:05	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	10/18/09 07:05	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/18/09 07:05	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/18/09 07:05	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	10/18/09 07:05	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/18/09 07:05	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	10/18/09 07:05	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/18/09 07:05	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/18/09 07:05	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	10/18/09 07:05	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	10/18/09 07:05	JKG	

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Description: 4112 MW-17
Matrix: Ground Water
Project: White Street Landfill Appl (Phase III)

Lab Sample ID: C910822-03
Sampled: 10/09/09 10:15
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C910822

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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/18/09 07:05	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*40*	*1*	*50.0*	*80 %*	*51-122*	*9J17001*	*EPA 8260B*	*10/18/09 07:05*	*JKG*	
Dibromofluoromethane	*37*	*1*	*50.0*	*74 %*	*68-117*	*9J17001*	*EPA 8260B*	*10/18/09 07:05*	*JKG*	
Toluene-d8	*37*	*1*	*50.0*	*75 %*	*69-110*	*9J17001*	*EPA 8260B*	*10/18/09 07:05*	*JKG*	

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] ^	0.0730	U	ug/L	1	0.0730	2.00	6	EPA 6020A	10/21/09 10:29	VLO	
Arsenic [7440-38-2] ^	**3.29**	J	ug/L	1	2.80	10.0	10	EPA 6010C	10/27/09 10:42	JDH	
Barium [7440-39-3] ^	**52.4**	J	ug/L	1	1.00	10.0	100	EPA 6010C	10/27/09 10:42	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	10/27/09 10:42	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	10/27/09 10:42	JDH	
Chromium [7440-47-3] ^	**1.47**	J	ug/L	1	1.00	10.0	10	EPA 6010C	10/27/09 10:42	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	10/27/09 10:42	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	10/27/09 10:42	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/27/09 10:42	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	10/27/09 10:42	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	10/27/09 10:42	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/27/09 10:42	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	10/21/09 10:29	VLO	
Vanadium [7440-62-2] ^	**2.31**	J	ug/L	1	1.40	10.0	25	EPA 6010C	10/27/09 10:42	JDH	
Zinc [7440-66-6] ^	**3.96**	J	ug/L	1	3.80	10.0	10	EPA 6010C	10/27/09 10:42	JDH	

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

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Description: 4112 MW-18
Matrix: Ground Water
Project: White Street Landfill AppI (Phase III)

Lab Sample ID: C910822-04
Sampled: 10/13/09 10:20
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C910822

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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/17/09 03:07	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/17/09 03:07	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	10/17/09 03:07	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/17/09 03:07	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	10/17/09 03:07	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	10/17/09 03:07	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	10/17/09 03:07	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/17/09 03:07	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	10/17/09 03:07	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	10/17/09 03:07	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	10/17/09 03:07	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/17/09 03:07	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 03:07	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	10/17/09 03:07	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	10/17/09 03:07	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/17/09 03:07	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/17/09 03:07	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	10/17/09 03:07	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/17/09 03:07	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	10/17/09 03:07	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/17/09 03:07	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	10/17/09 03:07	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	10/17/09 03:07	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	10/17/09 03:07	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 03:07	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/17/09 03:07	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	10/17/09 03:07	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	10/17/09 03:07	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	10/17/09 03:07	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	10/17/09 03:07	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/17/09 03:07	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	10/17/09 03:07	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	10/17/09 03:07	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/17/09 03:07	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	10/17/09 03:07	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	10/17/09 03:07	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	10/17/09 03:07	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/17/09 03:07	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/17/09 03:07	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	10/17/09 03:07	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 03:07	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	10/17/09 03:07	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 03:07	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/17/09 03:07	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	10/17/09 03:07	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	10/17/09 03:07	JKG	

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Description: 4112 MW-18
Matrix: Ground Water
Project: White Street Landfill Appl (Phase III)

Lab Sample ID: C910822-04
Sampled: 10/13/09 10:20
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C910822

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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/17/09 03:07	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*43*	*1*	*50.0*	*85 %*	*51-122*	*9J16019*	*EPA 8260B*	*10/17/09 03:07*	*JKG*	
Dibromofluoromethane	*51*	*1*	*50.0*	*102 %*	*68-117*	*9J16019*	*EPA 8260B*	*10/17/09 03:07*	*JKG*	
Toluene-d8	*45*	*1*	*50.0*	*91 %*	*69-110*	*9J16019*	*EPA 8260B*	*10/17/09 03:07*	*JKG*	

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Description: 4112 MW-18
Matrix: Ground Water
Project: White Street Landfill AppI (Phase III)

Lab Sample ID: C910822-04
Sampled: 10/13/09 10:20
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C910822

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] ^	0.0730	U	ug/L	1	0.0730	2.00	6	EPA 6020A	10/21/09 10:40	VLO	
Arsenic [7440-38-2] ^	**4.13**	J	ug/L	1	2.80	10.0	10	EPA 6010C	10/27/09 10:54	JDH	
Barium [7440-39-3] ^	**25.9**	J	ug/L	1	1.00	10.0	100	EPA 6010C	10/27/09 10:54	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	10/27/09 10:54	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	10/27/09 10:54	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	10/27/09 10:54	JDH	
Cobalt [7440-48-4] ^	**5.89**	J	ug/L	1	1.10	10.0	10	EPA 6010C	10/27/09 10:54	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	10/27/09 10:54	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/27/09 10:54	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	10/27/09 10:54	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	10/27/09 10:54	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/27/09 10:54	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	10/21/09 10:40	VLO	
Vanadium [7440-62-2] ^	**2.48**	J	ug/L	1	1.40	10.0	25	EPA 6010C	10/27/09 10:54	JDH	
Zinc [7440-66-6] ^	**8.55**	J	ug/L	1	3.80	10.0	10	EPA 6010C	10/27/09 10:54	JDH	

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

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Description: 4112 MW-19
Matrix: Ground Water
Project: White Street Landfill Appl (Phase III)

Lab Sample ID: C910822-05
Sampled: 10/07/09 14:05
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C910822

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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/17/09 03:36	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/17/09 03:36	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	10/17/09 03:36	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/17/09 03:36	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	10/17/09 03:36	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	10/17/09 03:36	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	10/17/09 03:36	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/17/09 03:36	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	10/17/09 03:36	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	10/17/09 03:36	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	10/17/09 03:36	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/17/09 03:36	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 03:36	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	10/17/09 03:36	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	10/17/09 03:36	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/17/09 03:36	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/17/09 03:36	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	10/17/09 03:36	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/17/09 03:36	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	10/17/09 03:36	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/17/09 03:36	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	10/17/09 03:36	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	10/17/09 03:36	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	10/17/09 03:36	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 03:36	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/17/09 03:36	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	10/17/09 03:36	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	10/17/09 03:36	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	10/17/09 03:36	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	10/17/09 03:36	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/17/09 03:36	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	10/17/09 03:36	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	10/17/09 03:36	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/17/09 03:36	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	10/17/09 03:36	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	10/17/09 03:36	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	10/17/09 03:36	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/17/09 03:36	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/17/09 03:36	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	10/17/09 03:36	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 03:36	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	10/17/09 03:36	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 03:36	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/17/09 03:36	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	10/17/09 03:36	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	10/17/09 03:36	JKG	

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Description: 4112 MW-19
Matrix: Ground Water
Project: White Street Landfill Appl (Phase III)

Lab Sample ID: C910822-05
Sampled: 10/07/09 14:05
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C910822

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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/17/09 03:36	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*87 %*	*51-122*	*9J16019*	*EPA 8260B*	*10/17/09 03:36*	*JKG*	
Dibromofluoromethane	*50*	*1*	*50.0*	*100 %*	*68-117*	*9J16019*	*EPA 8260B*	*10/17/09 03:36*	*JKG*	
Toluene-d8	*46*	*1*	*50.0*	*92 %*	*69-110*	*9J16019*	*EPA 8260B*	*10/17/09 03:36*	*JKG*	

www.encolabs.com

Description: 4112 MW-19
Matrix: Ground Water
Project: White Street Landfill Appl (Phase III)

Lab Sample ID: C910822-05
Sampled: 10/07/09 14:05
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C910822

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] ^	0.0730	U	ug/L	1	0.0730	2.00	6	EPA 6020A	10/21/09 10:43	VLO	
Arsenic [7440-38-2] ^	**4.69**	J	ug/L	1	2.80	10.0	10	EPA 6010C	10/27/09 10:17	JDH	
Barium [7440-39-3] ^	**22.1**	J	ug/L	1	1.00	10.0	100	EPA 6010C	10/27/09 10:17	JDH	
Beryllium [7440-41-7] ^	**0.562**	J	ug/L	1	0.100	1.00	1	EPA 6010C	10/27/09 10:17	JDH	
Cadmium [7440-43-9] ^	**0.563**	J	ug/L	1	0.360	1.00	1	EPA 6010C	10/27/09 10:17	JDH	
Chromium [7440-47-3] ^	**1.84**	J	ug/L	1	1.00	10.0	10	EPA 6010C	10/27/09 10:17	JDH	
Cobalt [7440-48-4] ^	**1.34**	J	ug/L	1	1.10	10.0	10	EPA 6010C	10/27/09 10:17	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	10/27/09 10:17	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/27/09 10:17	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	10/27/09 10:17	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	10/27/09 10:17	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/27/09 10:17	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	10/21/09 10:43	VLO	
Vanadium [7440-62-2] ^	**5.42**	J	ug/L	1	1.40	10.0	25	EPA 6010C	10/27/09 10:17	JDH	
Zinc [7440-66-6] ^	**5.22**	J	ug/L	1	3.80	10.0	10	EPA 6010C	10/27/09 10:17	JDH	

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

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Description: 4112 MW-20
Matrix: Ground Water
Project: White Street Landfill Appl (Phase III)

Lab Sample ID: C910822-06
Sampled: 10/07/09 15:00
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C910822

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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/17/09 04:04	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/17/09 04:04	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	10/17/09 04:04	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/17/09 04:04	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	10/17/09 04:04	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	10/17/09 04:04	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	10/17/09 04:04	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/17/09 04:04	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	10/17/09 04:04	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	10/17/09 04:04	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	10/17/09 04:04	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/17/09 04:04	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 04:04	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	10/17/09 04:04	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	10/17/09 04:04	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/17/09 04:04	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/17/09 04:04	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	10/17/09 04:04	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/17/09 04:04	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	10/17/09 04:04	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/17/09 04:04	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	10/17/09 04:04	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	10/17/09 04:04	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	10/17/09 04:04	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 04:04	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/17/09 04:04	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	10/17/09 04:04	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	10/17/09 04:04	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	10/17/09 04:04	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	10/17/09 04:04	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/17/09 04:04	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	10/17/09 04:04	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	10/17/09 04:04	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/17/09 04:04	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	10/17/09 04:04	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	10/17/09 04:04	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	10/17/09 04:04	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/17/09 04:04	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/17/09 04:04	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	10/17/09 04:04	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 04:04	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	10/17/09 04:04	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 04:04	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/17/09 04:04	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	10/17/09 04:04	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	10/17/09 04:04	JKG	

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Description: 4112 MW-20
Matrix: Ground Water
Project: White Street Landfill Appl (Phase III)

Lab Sample ID: C910822-06
Sampled: 10/07/09 15:00
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C910822

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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/17/09 04:04	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*43*	*1*	*50.0*	*86 %*	*51-122*	*9J16019*	*EPA 8260B*	*10/17/09 04:04*	*JKG*	
Dibromofluoromethane	*50*	*1*	*50.0*	*100 %*	*68-117*	*9J16019*	*EPA 8260B*	*10/17/09 04:04*	*JKG*	
Toluene-d8	*45*	*1*	*50.0*	*91 %*	*69-110*	*9J16019*	*EPA 8260B*	*10/17/09 04:04*	*JKG*	

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Description: 4112 MW-20
Matrix: Ground Water
Project: White Street Landfill Appl (Phase III)

Lab Sample ID: C910822-06
Sampled: 10/07/09 15:00
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C910822

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] ^	0.0730	U	ug/L	1	0.0730	2.00	6	EPA 6020A	10/21/09 10:47	VLO	
Arsenic [7440-38-2] ^	**4.70**	J	ug/L	1	2.80	10.0	10	EPA 6010C	10/27/09 10:58	JDH	
Barium [7440-39-3] ^	**76.4**	J	ug/L	1	1.00	10.0	100	EPA 6010C	10/27/09 10:58	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	10/27/09 10:58	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	10/27/09 10:58	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	10/27/09 10:58	JDH	
Cobalt [7440-48-4] ^	**1.10**	J	ug/L	1	1.10	10.0	10	EPA 6010C	10/27/09 10:58	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	10/27/09 10:58	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/27/09 10:58	JDH	
Nickel [7440-02-0] ^	**4.56**	J	ug/L	1	1.80	10.0	50	EPA 6010C	10/27/09 10:58	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	10/27/09 10:58	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/27/09 10:58	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	10/21/09 10:47	VLO	
Vanadium [7440-62-2] ^	**6.80**	J	ug/L	1	1.40	10.0	25	EPA 6010C	10/27/09 10:58	JDH	
Zinc [7440-66-6] ^	**7.32**	J	ug/L	1	3.80	10.0	10	EPA 6010C	10/27/09 10:58	JDH	

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

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Description: 4112 MW-21
Matrix: Ground Water
Project: White Street Landfill Appl (Phase III)

Lab Sample ID: C910822-07
Sampled: 10/07/09 16:15
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C910822

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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/17/09 04:32	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/17/09 04:32	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	10/17/09 04:32	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/17/09 04:32	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	10/17/09 04:32	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	10/17/09 04:32	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	10/17/09 04:32	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/17/09 04:32	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	10/17/09 04:32	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	10/17/09 04:32	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	10/17/09 04:32	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/17/09 04:32	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 04:32	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	10/17/09 04:32	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	10/17/09 04:32	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/17/09 04:32	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/17/09 04:32	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	10/17/09 04:32	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/17/09 04:32	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	10/17/09 04:32	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/17/09 04:32	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	10/17/09 04:32	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	10/17/09 04:32	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	10/17/09 04:32	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 04:32	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/17/09 04:32	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	10/17/09 04:32	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	10/17/09 04:32	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	10/17/09 04:32	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	10/17/09 04:32	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/17/09 04:32	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	10/17/09 04:32	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	10/17/09 04:32	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/17/09 04:32	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	10/17/09 04:32	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	10/17/09 04:32	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	10/17/09 04:32	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/17/09 04:32	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/17/09 04:32	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	10/17/09 04:32	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 04:32	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	10/17/09 04:32	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 04:32	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/17/09 04:32	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	10/17/09 04:32	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	10/17/09 04:32	JKG	

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Description: 4112 MW-21
Matrix: Ground Water
Project: White Street Landfill Appl (Phase III)

Lab Sample ID: C910822-07
Sampled: 10/07/09 16:15
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C910822

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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/17/09 04:32	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*88 %*	*51-122*	*9J16019*	*EPA 8260B*	*10/17/09 04:32*	*JKG*	
Dibromofluoromethane	*51*	*1*	*50.0*	*102 %*	*68-117*	*9J16019*	*EPA 8260B*	*10/17/09 04:32*	*JKG*	
Toluene-d8	*46*	*1*	*50.0*	*92 %*	*69-110*	*9J16019*	*EPA 8260B*	*10/17/09 04:32*	*JKG*	

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Description: 4112 MW-21
Matrix: Ground Water
Project: White Street Landfill Appl (Phase III)

Lab Sample ID: C910822-07
Sampled: 10/07/09 16:15
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C910822

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] ^	0.0730	U	ug/L	1	0.0730	2.00	6	EPA 6020A	10/21/09 10:50	VLO	
Arsenic [7440-38-2] ^	**3.29**	J	ug/L	1	2.80	10.0	10	EPA 6010C	10/27/09 11:01	JDH	
Barium [7440-39-3] ^	**35.9**	J	ug/L	1	1.00	10.0	100	EPA 6010C	10/27/09 11:01	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	10/27/09 11:01	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	10/27/09 11:01	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	10/27/09 11:01	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	10/27/09 11:01	JDH	
Copper [7440-50-8] ^	**2.22**	J	ug/L	1	1.60	10.0	10	EPA 6010C	10/27/09 11:01	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/27/09 11:01	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	10/27/09 11:01	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	10/27/09 11:01	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/27/09 11:01	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	10/21/09 10:50	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	10/27/09 11:01	JDH	
Zinc [7440-66-6] ^	**17.5**		ug/L	1	3.80	10.0	10	EPA 6010C	10/27/09 11:01	JDH	

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

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Description: 4112 MW-22
Matrix: Ground Water
Project: White Street Landfill Appl (Phase III)

Lab Sample ID: C910822-08
Sampled: 10/12/09 09:40
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C910822

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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/17/09 05:01	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/17/09 05:01	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	10/17/09 05:01	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/17/09 05:01	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	10/17/09 05:01	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	10/17/09 05:01	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	10/17/09 05:01	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/17/09 05:01	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	10/17/09 05:01	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	10/17/09 05:01	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	10/17/09 05:01	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/17/09 05:01	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 05:01	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	10/17/09 05:01	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	10/17/09 05:01	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/17/09 05:01	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/17/09 05:01	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	10/17/09 05:01	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/17/09 05:01	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	10/17/09 05:01	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/17/09 05:01	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	10/17/09 05:01	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	10/17/09 05:01	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	10/17/09 05:01	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 05:01	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/17/09 05:01	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	10/17/09 05:01	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	10/17/09 05:01	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	10/17/09 05:01	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	10/17/09 05:01	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/17/09 05:01	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	10/17/09 05:01	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	10/17/09 05:01	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/17/09 05:01	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	10/17/09 05:01	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	10/17/09 05:01	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	10/17/09 05:01	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/17/09 05:01	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/17/09 05:01	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	10/17/09 05:01	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 05:01	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	10/17/09 05:01	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 05:01	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/17/09 05:01	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	10/17/09 05:01	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	10/17/09 05:01	JKG	

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Description: 4112 MW-22
Matrix: Ground Water
Project: White Street Landfill AppI (Phase III)

Lab Sample ID: C910822-08
Sampled: 10/12/09 09:40
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C910822

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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/17/09 05:01	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*43*	*1*	*50.0*	*87 %*	*51-122*	*9J16019*	*EPA 8260B*	*10/17/09 05:01*	*JKG*	
Dibromofluoromethane	*51*	*1*	*50.0*	*101 %*	*68-117*	*9J16019*	*EPA 8260B*	*10/17/09 05:01*	*JKG*	
Toluene-d8	*46*	*1*	*50.0*	*91 %*	*69-110*	*9J16019*	*EPA 8260B*	*10/17/09 05:01*	*JKG*	

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Description: 4112 MW-22
Matrix: Ground Water
Project: White Street Landfill Appl (Phase III)

Lab Sample ID: C910822-08
Sampled: 10/12/09 09:40
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C910822

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] ^	0.0730	U	ug/L	1	0.0730	2.00	6	EPA 6020A	10/21/09 10:54	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	10/27/09 11:04	JDH	
Barium [7440-39-3] ^	**96.4**	J	ug/L	1	1.00	10.0	100	EPA 6010C	10/27/09 11:04	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	10/27/09 11:04	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	10/27/09 11:04	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	10/27/09 11:04	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	10/27/09 11:04	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	10/27/09 11:04	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/27/09 11:04	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	10/27/09 11:04	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	10/27/09 11:04	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/27/09 11:04	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	10/21/09 10:54	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	10/27/09 11:04	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	10/27/09 11:04	JDH	

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

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Description: 4112 MW-23
Matrix: Ground Water
Project: White Street Landfill Appl (Phase III)

Lab Sample ID: C910822-09
Sampled: 10/12/09 11:20
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C910822

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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/17/09 05:29	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/17/09 05:29	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	10/17/09 05:29	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/17/09 05:29	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	10/17/09 05:29	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	10/17/09 05:29	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	10/17/09 05:29	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/17/09 05:29	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	10/17/09 05:29	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	10/17/09 05:29	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	10/17/09 05:29	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/17/09 05:29	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 05:29	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	10/17/09 05:29	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	10/17/09 05:29	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/17/09 05:29	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/17/09 05:29	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	10/17/09 05:29	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/17/09 05:29	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	10/17/09 05:29	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/17/09 05:29	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	10/17/09 05:29	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	10/17/09 05:29	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	10/17/09 05:29	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 05:29	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/17/09 05:29	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	10/17/09 05:29	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	10/17/09 05:29	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	10/17/09 05:29	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	10/17/09 05:29	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/17/09 05:29	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	10/17/09 05:29	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	10/17/09 05:29	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/17/09 05:29	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	10/17/09 05:29	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	10/17/09 05:29	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	10/17/09 05:29	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/17/09 05:29	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/17/09 05:29	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	10/17/09 05:29	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 05:29	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	10/17/09 05:29	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 05:29	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/17/09 05:29	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	10/17/09 05:29	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	10/17/09 05:29	JKG	

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Description: 4112 MW-23
Matrix: Ground Water
Project: White Street Landfill AppI (Phase III)

Lab Sample ID: C910822-09
Sampled: 10/12/09 11:20
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C910822

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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/17/09 05:29	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*88 %*	*51-122*	*9J16019*	*EPA 8260B*	*10/17/09 05:29*	*JKG*	
Dibromofluoromethane	*51*	*1*	*50.0*	*101 %*	*68-117*	*9J16019*	*EPA 8260B*	*10/17/09 05:29*	*JKG*	
Toluene-d8	*46*	*1*	*50.0*	*92 %*	*69-110*	*9J16019*	*EPA 8260B*	*10/17/09 05:29*	*JKG*	

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Description: 4112 MW-23
Matrix: Ground Water
Project: White Street Landfill Appl (Phase III)

Lab Sample ID: C910822-09
Sampled: 10/12/09 11:20
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C910822

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] ^	0.0730	U	ug/L	1	0.0730	2.00	6	EPA 6020A	10/21/09 10:57	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	10/27/09 11:07	JDH	
Barium [7440-39-3] ^	**65.0**	J	ug/L	1	1.00	10.0	100	EPA 6010C	10/27/09 11:07	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	10/27/09 11:07	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	10/27/09 11:07	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	10/27/09 11:07	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	10/27/09 11:07	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	10/27/09 11:07	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/27/09 11:07	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	10/27/09 11:07	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	10/27/09 11:07	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/27/09 11:07	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	10/21/09 10:57	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	10/27/09 11:07	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	10/27/09 11:07	JDH	

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Description: 4112 MW-24
Matrix: Ground Water
Project: White Street Landfill Appl (Phase III)

Lab Sample ID: C910822-10
Sampled: 10/12/09 12:20
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C910822

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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/17/09 05:57	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/17/09 05:57	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	10/17/09 05:57	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/17/09 05:57	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	10/17/09 05:57	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	10/17/09 05:57	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	10/17/09 05:57	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/17/09 05:57	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	10/17/09 05:57	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	10/17/09 05:57	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	10/17/09 05:57	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/17/09 05:57	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 05:57	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	10/17/09 05:57	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	10/17/09 05:57	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/17/09 05:57	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/17/09 05:57	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	10/17/09 05:57	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/17/09 05:57	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	10/17/09 05:57	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/17/09 05:57	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	10/17/09 05:57	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	10/17/09 05:57	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	10/17/09 05:57	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 05:57	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/17/09 05:57	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	10/17/09 05:57	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	10/17/09 05:57	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	10/17/09 05:57	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	10/17/09 05:57	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/17/09 05:57	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	10/17/09 05:57	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	10/17/09 05:57	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/17/09 05:57	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	10/17/09 05:57	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	10/17/09 05:57	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	10/17/09 05:57	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/17/09 05:57	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/17/09 05:57	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	10/17/09 05:57	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 05:57	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	10/17/09 05:57	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 05:57	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/17/09 05:57	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	10/17/09 05:57	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	10/17/09 05:57	JKG	

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Description: 4112 MW-24
Matrix: Ground Water
Project: White Street Landfill Appl (Phase III)

Lab Sample ID: C910822-10
Sampled: 10/12/09 12:20
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C910822

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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/17/09 05:57	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*87 %*	*51-122*	*9J16019*	*EPA 8260B*	*10/17/09 05:57*	*JKG*	
Dibromofluoromethane	*50*	*1*	*50.0*	*100 %*	*68-117*	*9J16019*	*EPA 8260B*	*10/17/09 05:57*	*JKG*	
Toluene-d8	*46*	*1*	*50.0*	*91 %*	*69-110*	*9J16019*	*EPA 8260B*	*10/17/09 05:57*	*JKG*	

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Description: 4112 MW-24
Matrix: Ground Water
Project: White Street Landfill Appl (Phase III)

Lab Sample ID: C910822-10
Sampled: 10/12/09 12:20
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C910822

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] ^	**0.162**	J	ug/L	1	0.0730	2.00	6	EPA 6020A	10/21/09 11:01	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	10/27/09 11:10	JDH	
Barium [7440-39-3] ^	**465**		ug/L	1	1.00	10.0	100	EPA 6010C	10/27/09 11:10	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	10/27/09 11:10	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	10/27/09 11:10	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	10/27/09 11:10	JDH	
Cobalt [7440-48-4] ^	**6.23**	J	ug/L	1	1.10	10.0	10	EPA 6010C	10/27/09 11:10	JDH	
Copper [7440-50-8] ^	**7.11**	J	ug/L	1	1.60	10.0	10	EPA 6010C	10/27/09 11:10	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/27/09 11:10	JDH	
Nickel [7440-02-0] ^	**6.74**	J	ug/L	1	1.80	10.0	50	EPA 6010C	10/27/09 11:10	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	10/27/09 11:10	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/27/09 11:10	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	10/21/09 11:01	VLO	
Vanadium [7440-62-2] ^	**6.31**	J	ug/L	1	1.40	10.0	25	EPA 6010C	10/27/09 11:10	JDH	
Zinc [7440-66-6] ^	**24.5**		ug/L	1	3.80	10.0	10	EPA 6010C	10/27/09 11:10	JDH	

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Description: 4112 MW-25B
Matrix: Ground Water
Project: White Street Landfill Appl (Phase III)

Lab Sample ID: C910822-11
Sampled: 10/12/09 09:05
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C910822

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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/17/09 06:25	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/17/09 06:25	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	10/17/09 06:25	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/17/09 06:25	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	10/17/09 06:25	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	10/17/09 06:25	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	10/17/09 06:25	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/17/09 06:25	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	10/17/09 06:25	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	10/17/09 06:25	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	10/17/09 06:25	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/17/09 06:25	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 06:25	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	10/17/09 06:25	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	10/17/09 06:25	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/17/09 06:25	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/17/09 06:25	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	10/17/09 06:25	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/17/09 06:25	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	10/17/09 06:25	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/17/09 06:25	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	10/17/09 06:25	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	10/17/09 06:25	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	10/17/09 06:25	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 06:25	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/17/09 06:25	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	10/17/09 06:25	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	10/17/09 06:25	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	10/17/09 06:25	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	10/17/09 06:25	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/17/09 06:25	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	10/17/09 06:25	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	10/17/09 06:25	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/17/09 06:25	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	10/17/09 06:25	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	10/17/09 06:25	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	10/17/09 06:25	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/17/09 06:25	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/17/09 06:25	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	10/17/09 06:25	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 06:25	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	10/17/09 06:25	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 06:25	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/17/09 06:25	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	10/17/09 06:25	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	10/17/09 06:25	JKG	

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Description: 4112 MW-25B
Matrix: Ground Water
Project: White Street Landfill AppI (Phase III)

Lab Sample ID: C910822-11
Sampled: 10/12/09 09:05
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C910822

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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/17/09 06:25	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*88 %*	*51-122*	*9J16019*	*EPA 8260B*	*10/17/09 06:25*	*JKG*	
Dibromofluoromethane	*51*	*1*	*50.0*	*101 %*	*68-117*	*9J16019*	*EPA 8260B*	*10/17/09 06:25*	*JKG*	
Toluene-d8	*46*	*1*	*50.0*	*92 %*	*69-110*	*9J16019*	*EPA 8260B*	*10/17/09 06:25*	*JKG*	

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Description: 4112 MW-25B
Matrix: Ground Water
Project: White Street Landfill Appl (Phase III)

Lab Sample ID: C910822-11
Sampled: 10/12/09 09:05
Sampled By: Gary Simcox

Received: 10/14/09 13:00
Work Order: C910822

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] ^	0.0730	U	ug/L	1	0.0730	2.00	6	EPA 6020A	10/21/09 11:04	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	10/27/09 11:13	JDH	
Barium [7440-39-3] ^	**13.5**	J	ug/L	1	1.00	10.0	100	EPA 6010C	10/27/09 11:13	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	10/27/09 11:13	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	10/27/09 11:13	JDH	
Chromium [7440-47-3] ^	**2.20**	J	ug/L	1	1.00	10.0	10	EPA 6010C	10/27/09 11:13	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	10/27/09 11:13	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	10/27/09 11:13	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/27/09 11:13	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	10/27/09 11:13	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	10/27/09 11:13	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/27/09 11:13	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	10/21/09 11:04	VLO	
Vanadium [7440-62-2] ^	**4.00**	J	ug/L	1	1.40	10.0	25	EPA 6010C	10/27/09 11:13	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	10/27/09 11:13	JDH	

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

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

Lab Sample ID: C910822-12
Sampled: 10/07/09 17:00
Sampled By: GWS

Received: 10/14/09 13:00
Work Order: C910822

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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/17/09 06:54	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/17/09 06:54	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	10/17/09 06:54	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/17/09 06:54	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	10/17/09 06:54	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	10/17/09 06:54	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	10/17/09 06:54	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/17/09 06:54	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	10/17/09 06:54	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	10/17/09 06:54	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	10/17/09 06:54	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/17/09 06:54	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 06:54	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	10/17/09 06:54	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	10/17/09 06:54	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/17/09 06:54	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/17/09 06:54	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	10/17/09 06:54	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/17/09 06:54	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	10/17/09 06:54	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/17/09 06:54	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	10/17/09 06:54	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	10/17/09 06:54	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	10/17/09 06:54	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 06:54	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/17/09 06:54	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	10/17/09 06:54	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	10/17/09 06:54	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	10/17/09 06:54	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	10/17/09 06:54	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/17/09 06:54	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	10/17/09 06:54	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	10/17/09 06:54	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/17/09 06:54	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	10/17/09 06:54	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	10/17/09 06:54	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	10/17/09 06:54	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/17/09 06:54	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/17/09 06:54	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	10/17/09 06:54	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 06:54	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	10/17/09 06:54	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 06:54	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/17/09 06:54	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	10/17/09 06:54	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	10/17/09 06:54	JKG	

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

Lab Sample ID: C910822-12
Sampled: 10/07/09 17:00
Sampled By: GWS

Received: 10/14/09 13:00
Work Order: C910822

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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/17/09 06:54	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*43*	*1*	*50.0*	*87 %*	*51-122*	*9J16019*	*EPA 8260B*	*10/17/09 06:54*	*JKG*	
Dibromofluoromethane	*50*	*1*	*50.0*	*100 %*	*68-117*	*9J16019*	*EPA 8260B*	*10/17/09 06:54*	*JKG*	
Toluene-d8	*46*	*1*	*50.0*	*91 %*	*69-110*	*9J16019*	*EPA 8260B*	*10/17/09 06:54*	*JKG*	

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

Lab Sample ID: C910822-12
Sampled: 10/07/09 17:00
Sampled By: GWS

Received: 10/14/09 13:00
Work Order: C910822

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] ^	0.0730	U	ug/L	1	0.0730	2.00	6	EPA 6020A	10/21/09 11:08	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	10/27/09 11:17	JDH	
Barium [7440-39-3] ^	**34.7**	J	ug/L	1	1.00	10.0	100	EPA 6010C	10/27/09 11:17	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	10/27/09 11:17	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	10/27/09 11:17	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	10/27/09 11:17	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	10/27/09 11:17	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	10/27/09 11:17	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/27/09 11:17	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	10/27/09 11:17	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	10/27/09 11:17	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	10/27/09 11:17	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	10/21/09 11:08	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	10/27/09 11:17	JDH	
Zinc [7440-66-6] ^	**17.7**		ug/L	1	3.80	10.0	10	EPA 6010C	10/27/09 11:17	JDH	

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

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Description: 4112 Trip Blank #3
Matrix: Water
Project: White Street Landfill Appl (Phase III)

Lab Sample ID: C910822-13
Sampled: 10/07/09 17:00
Sampled By: GWS

Received: 10/14/09 13:00
Work Order: C910822

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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/17/09 07:22	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/17/09 07:22	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	10/17/09 07:22	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/17/09 07:22	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	10/17/09 07:22	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	10/17/09 07:22	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	10/17/09 07:22	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/17/09 07:22	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	10/17/09 07:22	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	10/17/09 07:22	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	10/17/09 07:22	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/17/09 07:22	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 07:22	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	10/17/09 07:22	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	10/17/09 07:22	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/17/09 07:22	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/17/09 07:22	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	10/17/09 07:22	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/17/09 07:22	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	10/17/09 07:22	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/17/09 07:22	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	10/17/09 07:22	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	10/17/09 07:22	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	10/17/09 07:22	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 07:22	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/17/09 07:22	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	10/17/09 07:22	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	10/17/09 07:22	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	10/17/09 07:22	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	10/17/09 07:22	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/17/09 07:22	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	10/17/09 07:22	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	10/17/09 07:22	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/17/09 07:22	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	10/17/09 07:22	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	10/17/09 07:22	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	10/17/09 07:22	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/17/09 07:22	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/17/09 07:22	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	10/17/09 07:22	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 07:22	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	10/17/09 07:22	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/17/09 07:22	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/17/09 07:22	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	10/17/09 07:22	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	10/17/09 07:22	JKG	

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Description:	4112 Trip Blank #3	**Lab Sample ID:**	C910822-13	**Received:**	10/14/09 13:00
Matrix:	Water	**Sampled:**	10/07/09 17:00	**Work Order:**	C910822
Project:	White Street Landfill Appl (Phase III)	**Sampled By:**	GWS		

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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/17/09 07:22	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*43*	*1*	*50.0*	*86 %*	*51-122*	*9J16019*	*EPA 8260B*	*10/17/09 07:22*	*JKG*	
Dibromofluoromethane	*51*	*1*	*50.0*	*103 %*	*68-117*	*9J16019*	*EPA 8260B*	*10/17/09 07:22*	*JKG*	
Toluene-d8	*45*	*1*	*50.0*	*90 %*	*69-110*	*9J16019*	*EPA 8260B*	*10/17/09 07:22*	*JKG*	

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

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Description: 4112 SW-1
Matrix: Surface Water
Project: White Street Landfill Appl (Phase III)

Lab Sample ID: C912267-01
Sampled: 10/20/09 19:00
Sampled By: Gary Simcox

Received: 10/21/09 13:30
Work Order: C912267

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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/23/09 00:17	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/23/09 00:17	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	10/23/09 00:17	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/23/09 00:17	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	10/23/09 00:17	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	10/23/09 00:17	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	10/23/09 00:17	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/23/09 00:17	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	10/23/09 00:17	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	10/23/09 00:17	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	10/23/09 00:17	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/23/09 00:17	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/23/09 00:17	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	10/23/09 00:17	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	10/23/09 00:17	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/23/09 00:17	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/23/09 00:17	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	10/23/09 00:17	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/23/09 00:17	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	10/23/09 00:17	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/23/09 00:17	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	10/23/09 00:17	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	10/23/09 00:17	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	10/23/09 00:17	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/23/09 00:17	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/23/09 00:17	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	10/23/09 00:17	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	10/23/09 00:17	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	10/23/09 00:17	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	10/23/09 00:17	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/23/09 00:17	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	10/23/09 00:17	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	10/23/09 00:17	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/23/09 00:17	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	10/23/09 00:17	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	10/23/09 00:17	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	10/23/09 00:17	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/23/09 00:17	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/23/09 00:17	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	10/23/09 00:17	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/23/09 00:17	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	10/23/09 00:17	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/23/09 00:17	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/23/09 00:17	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	10/23/09 00:17	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	10/23/09 00:17	JKG	

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Description: 4112 SW-1
Matrix: Surface Water
Project: White Street Landfill Appl (Phase III)

Lab Sample ID: C912267-01
Sampled: 10/20/09 19:00
Sampled By: Gary Simcox

Received: 10/21/09 13:30
Work Order: C912267

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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/23/09 00:17	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*42*	*1*	*50.0*	*85 %*	*51-122*	*9J22025*	*EPA 8260B*	*10/23/09 00:17*	*JKG*	
Dibromofluoromethane	*38*	*1*	*50.0*	*76 %*	*68-117*	*9J22025*	*EPA 8260B*	*10/23/09 00:17*	*JKG*	
Toluene-d8	*38*	*1*	*50.0*	*76 %*	*69-110*	*9J22025*	*EPA 8260B*	*10/23/09 00:17*	*JKG*	

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Description: 4112 SW-1
Matrix: Surface Water
Project: White Street Landfill Appl (Phase III)

Lab Sample ID: C912267-01
Sampled: 10/20/09 19:00
Sampled By: Gary Simcox

Received: 10/21/09 13:30
Work Order: C912267

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] ^	**0.461**	JB	ug/L	1	0.0730	2.00	6	EPA 6020A	10/27/09 11:25	VLO	J-01
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	11/03/09 14:00	JDH	
Barium [7440-39-3] ^	**68.3**	J	ug/L	1	1.00	10.0	100	EPA 6010C	11/03/09 14:00	JDH	
Beryllium [7440-41-7] ^	**0.113**	J	ug/L	1	0.100	1.00	1	EPA 6010C	11/03/09 14:00	JDH	
Cadmium [7440-43-9] ^	**0.477**	J	ug/L	1	0.360	1.00	1	EPA 6010C	11/03/09 14:00	JDH	
Chromium [7440-47-3] ^	**8.16**	J	ug/L	1	1.00	10.0	10	EPA 6010C	11/03/09 14:00	JDH	
Cobalt [7440-48-4] ^	**3.43**	J	ug/L	1	1.10	10.0	10	EPA 6010C	11/03/09 14:00	JDH	
Copper [7440-50-8] ^	**10.7**		ug/L	1	1.60	10.0	10	EPA 6010C	11/03/09 14:00	JDH	
Lead [7439-92-1] ^	**8.94**	J	ug/L	1	1.90	10.0	10	EPA 6010C	11/03/09 14:00	JDH	
Nickel [7440-02-0] ^	**2.94**	J	ug/L	1	1.80	10.0	50	EPA 6010C	11/03/09 14:00	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	11/03/09 14:00	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	11/03/09 14:00	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	10/27/09 11:25	VLO	
Vanadium [7440-62-2] ^	**10.7**	J	ug/L	1	1.40	10.0	25	EPA 6010C	11/03/09 14:00	JDH	
Zinc [7440-66-6] ^	**70.0**		ug/L	1	3.80	10.0	10	EPA 6010C	11/03/09 14:00	JDH	

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Description: 4112 SW-2
Matrix: Surface Water
Project: White Street Landfill AppI (Phase III)

Lab Sample ID: C912267-02
Sampled: 10/20/09 17:55
Sampled By: Gary Simcox

Received: 10/21/09 13:30
Work Order: C912267

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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/23/09 00:47	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/23/09 00:47	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	10/23/09 00:47	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/23/09 00:47	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	10/23/09 00:47	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	10/23/09 00:47	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	10/23/09 00:47	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/23/09 00:47	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	10/23/09 00:47	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	10/23/09 00:47	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	10/23/09 00:47	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/23/09 00:47	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/23/09 00:47	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	10/23/09 00:47	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	10/23/09 00:47	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/23/09 00:47	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/23/09 00:47	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	10/23/09 00:47	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/23/09 00:47	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	10/23/09 00:47	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/23/09 00:47	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	10/23/09 00:47	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	10/23/09 00:47	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	10/23/09 00:47	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/23/09 00:47	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/23/09 00:47	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	10/23/09 00:47	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	10/23/09 00:47	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	10/23/09 00:47	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	10/23/09 00:47	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/23/09 00:47	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	10/23/09 00:47	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	10/23/09 00:47	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/23/09 00:47	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	10/23/09 00:47	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	10/23/09 00:47	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	10/23/09 00:47	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/23/09 00:47	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/23/09 00:47	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	10/23/09 00:47	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/23/09 00:47	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	10/23/09 00:47	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/23/09 00:47	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/23/09 00:47	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	10/23/09 00:47	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	10/23/09 00:47	JKG	

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Description: 4112 SW-2
Matrix: Surface Water
Project: White Street Landfill Appl (Phase III)

Lab Sample ID: C912267-02
Sampled: 10/20/09 17:55
Sampled By: Gary Simcox

Received: 10/21/09 13:30
Work Order: C912267

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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/23/09 00:47	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*41*	*1*	*50.0*	*83 %*	*51-122*	*9122025*	*EPA 8260B*	*10/23/09 00:47*	*JKG*	
Dibromofluoromethane	*38*	*1*	*50.0*	*76 %*	*68-117*	*9122025*	*EPA 8260B*	*10/23/09 00:47*	*JKG*	
Toluene-d8	*37*	*1*	*50.0*	*75 %*	*69-110*	*9122025*	*EPA 8260B*	*10/23/09 00:47*	*JKG*	

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Description: 4112 SW-2
Matrix: Surface Water
Project: White Street Landfill Appl (Phase III)

Lab Sample ID: C912267-02
Sampled: 10/20/09 17:55
Sampled By: Gary Simcox

Received: 10/21/09 13:30
Work Order: C912267

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] ^	**0.185**	JB	ug/L	1	0.0730	2.00	6	EPA 6020A	10/27/09 11:28	VLO	J-01
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	11/03/09 14:03	JDH	
Barium [7440-39-3] ^	**36.3**	J	ug/L	1	1.00	10.0	100	EPA 6010C	11/03/09 14:03	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	11/03/09 14:03	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	11/03/09 14:03	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	11/03/09 14:03	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	11/03/09 14:03	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	11/03/09 14:03	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	11/03/09 14:03	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	11/03/09 14:03	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	11/03/09 14:03	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	11/03/09 14:03	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	10/27/09 11:28	VLO	
Vanadium [7440-62-2] ^	**2.19**	J	ug/L	1	1.40	10.0	25	EPA 6010C	11/03/09 14:03	JDH	
Zinc [7440-66-6] ^	**7.62**	J	ug/L	1	3.80	10.0	10	EPA 6010C	11/03/09 14:03	JDH	

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

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Description: 4112 SW-3
Matrix: Surface Water
Project: White Street Landfill Appl (Phase III)

Lab Sample ID: C912267-03
Sampled: 10/20/09 16:15
Sampled By: Gary Simcox

Received: 10/21/09 13:30
Work Order: C912267

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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/23/09 01:18	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/23/09 01:18	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	10/23/09 01:18	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/23/09 01:18	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	10/23/09 01:18	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	10/23/09 01:18	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	10/23/09 01:18	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/23/09 01:18	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	10/23/09 01:18	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	10/23/09 01:18	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	10/23/09 01:18	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/23/09 01:18	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/23/09 01:18	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	10/23/09 01:18	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	10/23/09 01:18	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/23/09 01:18	JKG	
Acetone [67-64-1] ^	**6.0**	J	ug/L	1	1.5	5.0	100	EPA 8260B	10/23/09 01:18	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	10/23/09 01:18	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/23/09 01:18	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	10/23/09 01:18	JKG	
Bromodichloromethane [75-27-4] ^	**1.0**		ug/L	1	0.37	1.0	1	EPA 8260B	10/23/09 01:18	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	10/23/09 01:18	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	10/23/09 01:18	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	10/23/09 01:18	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/23/09 01:18	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/23/09 01:18	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	10/23/09 01:18	JKG	
Chloroform [67-66-3] ^	**2.4**	J	ug/L	1	0.20	1.0	5	EPA 8260B	10/23/09 01:18	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	10/23/09 01:18	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	10/23/09 01:18	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/23/09 01:18	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	10/23/09 01:18	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	10/23/09 01:18	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/23/09 01:18	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	10/23/09 01:18	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	10/23/09 01:18	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	10/23/09 01:18	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/23/09 01:18	JKG	
Toluene [108-88-3] ^	**0.85**	J	ug/L	1	0.27	1.0	1	EPA 8260B	10/23/09 01:18	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	10/23/09 01:18	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/23/09 01:18	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	10/23/09 01:18	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/23/09 01:18	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/23/09 01:18	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	10/23/09 01:18	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	10/23/09 01:18	JKG	

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Description: 4112 SW-3
Matrix: Surface Water
Project: White Street Landfill Appl (Phase III)

Lab Sample ID: C912267-03
Sampled: 10/20/09 16:15
Sampled By: Gary Simcox

Received: 10/21/09 13:30
Work Order: C912267

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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/23/09 01:18	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*42*	*1*	*50.0*	*84 %*	*51-122*	*9J22025*	*EPA 8260B*	*10/23/09 01:18*	*JKG*	
Dibromofluoromethane	*38*	*1*	*50.0*	*75 %*	*68-117*	*9J22025*	*EPA 8260B*	*10/23/09 01:18*	*JKG*	
Toluene-d8	*38*	*1*	*50.0*	*76 %*	*69-110*	*9J22025*	*EPA 8260B*	*10/23/09 01:18*	*JKG*	

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Description: 4112 SW-3
Matrix: Surface Water
Project: White Street Landfill Appl (Phase III)

Lab Sample ID: C912267-03
Sampled: 10/20/09 16:15
Sampled By: Gary Simcox

Received: 10/21/09 13:30
Work Order: C912267

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] ^	**0.351**	JB	ug/L	1	0.0730	2.00	6	EPA 6020A	10/27/09 12:32	VLO	J-01
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	11/03/09 14:06	JDH	
Barium [7440-39-3] ^	**21.8**	J	ug/L	1	1.00	10.0	100	EPA 6010C	11/03/09 14:06	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	11/03/09 14:06	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	11/03/09 14:06	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	11/03/09 14:06	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	11/03/09 14:06	JDH	
Copper [7440-50-8] ^	**7.10**	J	ug/L	1	1.60	10.0	10	EPA 6010C	11/03/09 14:06	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	11/03/09 14:06	JDH	
Nickel [7440-02-0] ^	**2.53**	J	ug/L	1	1.80	10.0	50	EPA 6010C	11/03/09 14:06	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	11/03/09 14:06	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	11/03/09 14:06	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	10/27/09 12:32	VLO	
Vanadium [7440-62-2] ^	**1.81**	J	ug/L	1	1.40	10.0	25	EPA 6010C	11/03/09 14:06	JDH	
Zinc [7440-66-6] ^	**45.2**		ug/L	1	3.80	10.0	10	EPA 6010C	11/03/09 14:06	JDH	

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

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Description: 4112 SW-4
Matrix: Surface Water
Project: White Street Landfill Appl (Phase III)

Lab Sample ID: C912267-04
Sampled: 10/20/09 18:25
Sampled By: Gary Simcox

Received: 10/21/09 13:30
Work Order: C912267

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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/24/09 02:20	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/24/09 02:20	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	10/24/09 02:20	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/24/09 02:20	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	10/24/09 02:20	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	10/24/09 02:20	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	10/24/09 02:20	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/24/09 02:20	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	10/24/09 02:20	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	10/24/09 02:20	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	10/24/09 02:20	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/24/09 02:20	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/24/09 02:20	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	10/24/09 02:20	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	10/24/09 02:20	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/24/09 02:20	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/24/09 02:20	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	10/24/09 02:20	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/24/09 02:20	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	10/24/09 02:20	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/24/09 02:20	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	10/24/09 02:20	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	10/24/09 02:20	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	10/24/09 02:20	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/24/09 02:20	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/24/09 02:20	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	10/24/09 02:20	JKG	
Chloroform [67-66-3] ^	**2.1**	J	ug/L	1	0.20	1.0	5	EPA 8260B	10/24/09 02:20	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	10/24/09 02:20	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	10/24/09 02:20	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/24/09 02:20	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	10/24/09 02:20	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	10/24/09 02:20	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/24/09 02:20	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	10/24/09 02:20	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	10/24/09 02:20	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	10/24/09 02:20	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/24/09 02:20	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/24/09 02:20	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	10/24/09 02:20	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/24/09 02:20	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	10/24/09 02:20	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/24/09 02:20	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/24/09 02:20	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	10/24/09 02:20	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	10/24/09 02:20	JKG	

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Description: 4112 SW-4
Matrix: Surface Water
Project: White Street Landfill Appl (Phase III)

Lab Sample ID: C912267-04
Sampled: 10/20/09 18:25
Sampled By: Gary Simcox

Received: 10/21/09 13:30
Work Order: C912267

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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/24/09 02:20	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*46*	*1*	*50.0*	*93 %*	*51-122*	*9J23004*	*EPA 8260B*	*10/24/09 02:20*	*JKG*	
Dibromofluoromethane	*42*	*1*	*50.0*	*85 %*	*68-117*	*9J23004*	*EPA 8260B*	*10/24/09 02:20*	*JKG*	
Toluene-d8	*42*	*1*	*50.0*	*84 %*	*69-110*	*9J23004*	*EPA 8260B*	*10/24/09 02:20*	*JKG*	

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Description: 4112 SW-4
Matrix: Surface Water
Project: White Street Landfill Appl (Phase III)

Lab Sample ID: C912267-04
Sampled: 10/20/09 18:25
Sampled By: Gary Simcox

Received: 10/21/09 13:30
Work Order: C912267

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] ^	**0.346**	JB	ug/L	1	0.0730	2.00	6	EPA 6020A	10/27/09 12:35	VLO	J-01
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	11/03/09 14:18	JDH	
Barium [7440-39-3] ^	**27.2**	J	ug/L	1	1.00	10.0	100	EPA 6010C	11/03/09 14:18	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	11/03/09 14:18	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	11/03/09 14:18	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	11/03/09 14:18	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	11/03/09 14:18	JDH	
Copper [7440-50-8] ^	**5.15**	J	ug/L	1	1.60	10.0	10	EPA 6010C	11/03/09 14:18	JDH	
Lead [7439-92-1] ^	**2.44**	J	ug/L	1	1.90	10.0	10	EPA 6010C	11/03/09 14:18	JDH	
Nickel [7440-02-0] ^	**1.89**	J	ug/L	1	1.80	10.0	50	EPA 6010C	11/03/09 14:18	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	11/03/09 14:18	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	11/03/09 14:18	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	10/27/09 12:35	VLO	
Vanadium [7440-62-2] ^	**2.79**	J	ug/L	1	1.40	10.0	25	EPA 6010C	11/03/09 14:18	JDH	
Zinc [7440-66-6] ^	**30.9**		ug/L	1	3.80	10.0	10	EPA 6010C	11/03/09 14:18	JDH	

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

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Description: 4112 SW-5
Matrix: Surface Water
Project: White Street Landfill Appl (Phase III)

Lab Sample ID: C912267-05
Sampled: 10/20/09 17:35
Sampled By: Gary Simcox

Received: 10/21/09 13:30
Work Order: C912267

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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/24/09 02:51	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/24/09 02:51	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	10/24/09 02:51	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/24/09 02:51	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	10/24/09 02:51	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	10/24/09 02:51	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	10/24/09 02:51	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/24/09 02:51	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	10/24/09 02:51	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	10/24/09 02:51	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	10/24/09 02:51	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/24/09 02:51	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/24/09 02:51	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	10/24/09 02:51	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	10/24/09 02:51	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/24/09 02:51	JKG	
Acetone [67-64-1] ^	**6.2**	J	ug/L	1	1.5	5.0	100	EPA 8260B	10/24/09 02:51	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	10/24/09 02:51	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/24/09 02:51	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	10/24/09 02:51	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/24/09 02:51	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	10/24/09 02:51	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	10/24/09 02:51	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	10/24/09 02:51	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/24/09 02:51	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/24/09 02:51	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	10/24/09 02:51	JKG	
Chloroform [67-66-3] ^	**1.3**	J	ug/L	1	0.20	1.0	5	EPA 8260B	10/24/09 02:51	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	10/24/09 02:51	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	10/24/09 02:51	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/24/09 02:51	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	10/24/09 02:51	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	10/24/09 02:51	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/24/09 02:51	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	10/24/09 02:51	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	10/24/09 02:51	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	10/24/09 02:51	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/24/09 02:51	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/24/09 02:51	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	10/24/09 02:51	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/24/09 02:51	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	10/24/09 02:51	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/24/09 02:51	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/24/09 02:51	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	10/24/09 02:51	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	10/24/09 02:51	JKG	

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Description: 4112 SW-5
Matrix: Surface Water
Project: White Street Landfill AppI (Phase III)

Lab Sample ID: C912267-05
Sampled: 10/20/09 17:35
Sampled By: Gary Simcox

Received: 10/21/09 13:30
Work Order: C912267

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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/24/09 02:51	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*48*	*1*	*50.0*	*95 %*	*51-122*	*9J23004*	*EPA 8260B*	*10/24/09 02:51*	*JKG*	
Dibromofluoromethane	*43*	*1*	*50.0*	*85 %*	*68-117*	*9J23004*	*EPA 8260B*	*10/24/09 02:51*	*JKG*	
Toluene-d8	*42*	*1*	*50.0*	*85 %*	*69-110*	*9J23004*	*EPA 8260B*	*10/24/09 02:51*	*JKG*	

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Description: 4112 SW-5
Matrix: Surface Water
Project: White Street Landfill Appl (Phase III)

Lab Sample ID: C912267-05
Sampled: 10/20/09 17:35
Sampled By: Gary Simcox

Received: 10/21/09 13:30
Work Order: C912267

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] ^	**0.337**	JB	ug/L	1	0.0730	2.00	6	EPA 6020A	10/27/09 12:38	VLO	J-01
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	11/03/09 14:21	JDH	
Barium [7440-39-3] ^	**26.9**	J	ug/L	1	1.00	10.0	100	EPA 6010C	11/03/09 14:21	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	11/03/09 14:21	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	11/03/09 14:21	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	11/03/09 14:21	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	11/03/09 14:21	JDH	
Copper [7440-50-8] ^	**5.26**	J	ug/L	1	1.60	10.0	10	EPA 6010C	11/03/09 14:21	JDH	
Lead [7439-92-1] ^	**3.34**	J	ug/L	1	1.90	10.0	10	EPA 6010C	11/03/09 14:21	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	11/03/09 14:21	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	11/03/09 14:21	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	11/03/09 14:21	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	10/27/09 12:38	VLO	
Vanadium [7440-62-2] ^	**1.86**	J	ug/L	1	1.40	10.0	25	EPA 6010C	11/03/09 14:21	JDH	
Zinc [7440-66-6] ^	**33.2**		ug/L	1	3.80	10.0	10	EPA 6010C	11/03/09 14:21	JDH	

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

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Description: II-11
Matrix: Water
Project: White Street Landfill AppI (Phase III)

Lab Sample ID: C912267-06
Sampled: 10/20/09 13:20
Sampled By: Gary Simcox

Received: 10/21/09 13:30
Work Order: C912267

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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/28/09 15:10	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/28/09 15:10	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	10/28/09 15:10	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/28/09 15:10	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	10/28/09 15:10	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	10/28/09 15:10	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	10/28/09 15:10	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/28/09 15:10	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	10/28/09 15:10	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	10/28/09 15:10	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	10/28/09 15:10	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/28/09 15:10	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/28/09 15:10	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	10/28/09 15:10	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	10/28/09 15:10	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/28/09 15:10	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/28/09 15:10	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	10/28/09 15:10	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/28/09 15:10	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	10/28/09 15:10	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/28/09 15:10	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	10/28/09 15:10	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	10/28/09 15:10	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	10/28/09 15:10	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/28/09 15:10	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/28/09 15:10	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	10/28/09 15:10	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	10/28/09 15:10	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	10/28/09 15:10	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	10/28/09 15:10	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/28/09 15:10	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	10/28/09 15:10	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	10/28/09 15:10	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/28/09 15:10	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	10/28/09 15:10	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	10/28/09 15:10	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	10/28/09 15:10	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/28/09 15:10	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/28/09 15:10	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	10/28/09 15:10	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/28/09 15:10	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	10/28/09 15:10	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/28/09 15:10	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/28/09 15:10	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	10/28/09 15:10	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	10/28/09 15:10	JKG	

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Description: II-11
Matrix: Water
Project: White Street Landfill Appl (Phase III)

Lab Sample ID: C912267-06
Sampled: 10/20/09 13:20
Sampled By: Gary Simcox

Received: 10/21/09 13:30
Work Order: C912267

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] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/28/09 15:10	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*50*	*1*	*50.0*	*99 %*	*51-122*	*9J24006*	*EPA 8260B*	*10/28/09 15:10*	*JKG*	
Dibromofluoromethane	*47*	*1*	*50.0*	*95 %*	*68-117*	*9J24006*	*EPA 8260B*	*10/28/09 15:10*	*JKG*	
Toluene-d8	*49*	*1*	*50.0*	*99 %*	*69-110*	*9J24006*	*EPA 8260B*	*10/28/09 15:10*	*JKG*	

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] ^	**0.100**	JB	ug/L	1	0.0730	2.00	6	EPA 6020A	10/27/09 12:42	VLO	J-01
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	11/03/09 14:24	JDH	
Barium [7440-39-3] ^	**109**		ug/L	1	1.00	10.0	100	EPA 6010C	11/03/09 14:24	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	11/03/09 14:24	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	11/03/09 14:24	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	11/03/09 14:24	JDH	
Cobalt [7440-48-4] ^	**7.74**	J	ug/L	1	1.10	10.0	10	EPA 6010C	11/03/09 14:24	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	11/03/09 14:24	JDH	
Lead [7439-92-1] ^	**2.45**	J	ug/L	1	1.90	10.0	10	EPA 6010C	11/03/09 14:24	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	11/03/09 14:24	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	11/03/09 14:24	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	11/03/09 14:24	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	10/27/09 12:42	VLO	
Vanadium [7440-62-2] ^	**2.21**	J	ug/L	1	1.40	10.0	25	EPA 6010C	11/03/09 14:24	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	11/03/09 14:24	JDH	

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

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 9J16014 - EPA 5030B_MS

Blank (9J16014-BLK1) Prepared: 10/16/2009 10:27 Analyzed: 10/16/2009 12:10

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.40	U	1.0	ug/L							
1,1,1-Trichloroethane	0.27	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.33	U	1.0	ug/L							
1,1,2-Trichloroethane	0.37	U	1.0	ug/L							
1,1-Dichloroethane	0.33	U	1.0	ug/L							
1,1-Dichloroethene	0.24	U	1.0	ug/L							
1,2,3-Trichloropropane	0.55	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	0.27	U	1.0	ug/L							
1,2-Dichloroethane	0.65	U	1.0	ug/L							
1,2-Dichloropropane	0.20	U	1.0	ug/L							
1,4-Dichlorobenzene	0.38	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	0.20	U	1.0	ug/L							
Bromochloromethane	0.42	U	1.0	ug/L							
Bromodichloromethane	0.37	U	1.0	ug/L							
Bromoform	0.71	U	1.0	ug/L							
Bromomethane	0.49	U	1.0	ug/L							
Carbon disulfide	0.54	U	5.0	ug/L							
Carbon tetrachloride	0.38	U	1.0	ug/L							
Chlorobenzene	0.27	U	1.0	ug/L							
Chloroethane	0.30	U	1.0	ug/L							
Chloroform	0.20	U	1.0	ug/L							
Chloromethane	0.34	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.36	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.28	U	1.0	ug/L							
Dibromochloromethane	0.32	U	1.0	ug/L							
Dibromomethane	0.37	U	1.0	ug/L							
Ethylbenzene	0.20	U	1.0	ug/L							
Iodomethane	0.52	U	5.0	ug/L							
Methylene chloride	0.53	U	1.0	ug/L							
Styrene	0.26	U	1.0	ug/L							
Tetrachloroethene	0.36	U	1.0	ug/L							
Toluene	0.27	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.34	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.38	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.54	U	1.0	ug/L							
Trichloroethene	0.38	U	1.0	ug/L							
Trichlorofluoromethane	0.28	U	1.0	ug/L							
Vinyl acetate	0.98	U	5.0	ug/L							
Vinyl chloride	0.30	U	1.0	ug/L							
Xylenes (Total)	0.40	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*44*			*ug/L*	*50.0*		*88*	*51-122*			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 9J16014 - EPA 5030B_MS

Blank (9J16014-BLK1) Continued Prepared: 10/16/2009 10:27 Analyzed: 10/16/2009 12:10

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Dibromofluoromethane	*49*			*ug/L*	*50.0*		*98*	*68-117*			
Surrogate: Toluene-d8	*46*			*ug/L*	*50.0*		*91*	*69-110*			

LCS (9J16014-BS1) Prepared: 10/16/2009 10:27 Analyzed: 10/16/2009 12:40

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	21		1.0	ug/L	20.0		107	75-133			
Benzene	21		1.0	ug/L	20.0		104	81-134			
Chlorobenzene	20		1.0	ug/L	20.0		98	83-117			
Toluene	20		1.0	ug/L	20.0		100	71-118			
Trichloroethene	20		1.0	ug/L	20.0		102	75-115			

Matrix Spike (9J16014-MS1) Prepared: 10/16/2009 10:27 Analyzed: 10/16/2009 13:10

Source: C911341-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	16		1.0	ug/L	20.0	2.9	68	75-133			QM-07
Benzene	13		1.0	ug/L	20.0	0.20 U	63	81-134			QM-07
Chlorobenzene	12		1.0	ug/L	20.0	0.27 U	59	83-117			QM-07
Toluene	12		1.0	ug/L	20.0	0.27 U	60	71-118			QM-07
Trichloroethene	12		1.0	ug/L	20.0	0.38 U	62	75-115			QM-07

Matrix Spike Dup (9J16014-MSD1) Prepared: 10/16/2009 10:27 Analyzed: 10/16/2009 13:40

Source: C911341-01

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	2.9	75	75-133	8	20	
Benzene	14		1.0	ug/L	20.0	0.20 U	69	81-134	9	17	QM-07
Chlorobenzene	13		1.0	ug/L	20.0	0.27 U	65	83-117	10	16	QM-07
Toluene	13		1.0	ug/L	20.0	0.27 U	67	71-118	10	17	QM-07
Trichloroethene	13		1.0	ug/L	20.0	0.38 U	66	75-115	6	18	QM-07

Batch 9J16019 - EPA 5030B_MS

Blank (9J16019-BLK1) Prepared: 10/16/2009 11:49 Analyzed: 10/17/2009 00:45

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.40	U	1.0	ug/L							
1,1,1-Trichloroethane	0.27	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.33	U	1.0	ug/L							
1,1,2-Trichloroethane	0.37	U	1.0	ug/L							
1,1-Dichloroethane	0.33	U	1.0	ug/L							
1,1-Dichloroethene	0.24	U	1.0	ug/L							
1,2,3-Trichloropropane	0.55	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	0.27	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 9J16019 - EPA 5030B_MS

Blank (9J16019-BLK1) Continued Prepared: 10/16/2009 11:49 Analyzed: 10/17/2009 00:45

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dichloroethane	0.65	U	1.0	ug/L							
1,2-Dichloropropane	0.20	U	1.0	ug/L							
1,4-Dichlorobenzene	0.38	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	0.20	U	1.0	ug/L							
Bromochloromethane	0.42	U	1.0	ug/L							
Bromodichloromethane	0.37	U	1.0	ug/L							
Bromoform	0.71	U	1.0	ug/L							
Bromomethane	0.49	U	1.0	ug/L							
Carbon disulfide	0.54	U	5.0	ug/L							
Carbon tetrachloride	0.38	U	1.0	ug/L							
Chlorobenzene	0.27	U	1.0	ug/L							
Chloroethane	0.30	U	1.0	ug/L							
Chloroform	0.20	U	1.0	ug/L							
Chloromethane	0.34	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.36	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.28	U	1.0	ug/L							
Dibromochloromethane	0.32	U	1.0	ug/L							
Dibromomethane	0.37	U	1.0	ug/L							
Ethylbenzene	0.20	U	1.0	ug/L							
Iodomethane	0.52	U	5.0	ug/L							
Methylene chloride	0.53	U	1.0	ug/L							
Styrene	0.26	U	1.0	ug/L							
Tetrachloroethene	0.36	U	1.0	ug/L							
Toluene	0.27	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.34	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.38	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.54	U	1.0	ug/L							
Trichloroethene	0.38	U	1.0	ug/L							
Trichlorofluoromethane	0.28	U	1.0	ug/L							
Vinyl acetate	0.98	U	5.0	ug/L							
Vinyl chloride	0.30	U	1.0	ug/L							
Xylenes (Total)	0.40	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*44*			*ug/L*	*50.0*		*88*	*51-122*			
Surrogate: Dibromofluoromethane	*51*			*ug/L*	*50.0*		*101*	*68-117*			
Surrogate: Toluene-d8	*45*			*ug/L*	*50.0*		*90*	*69-110*			

LCS (9J16019-BS1) Prepared: 10/16/2009 11:49 Analyzed: 10/17/2009 01:13

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		102	75-133			
Benzene	20		1.0	ug/L	20.0		101	81-134			
Chlorobenzene	19		1.0	ug/L	20.0		95	83-117			
Toluene	19		1.0	ug/L	20.0		94	71-118			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 9J16019 - EPA 5030B_MS

LCS (9J16019-BS1) Continued Prepared: 10/16/2009 11:49 Analyzed: 10/17/2009 01:13

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Trichloroethene	19		1.0	ug/L	20.0		95	75-115			

Matrix Spike (9J16019-MS1) Prepared: 10/16/2009 11:49 Analyzed: 10/17/2009 01:42

Source: C911952-10

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	0.24 U	107	75-133			
Benzene	20		1.0	ug/L	20.0	0.20 U	101	81-134			
Chlorobenzene	19		1.0	ug/L	20.0	0.27 U	95	83-117			
Toluene	19		1.0	ug/L	20.0	0.27 U	94	71-118			
Trichloroethene	19		1.0	ug/L	20.0	0.38 U	96	75-115			

Matrix Spike Dup (9J16019-MSD1) Prepared: 10/16/2009 11:49 Analyzed: 10/17/2009 02:10

Source: C911952-10

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0	0.24 U	109	75-133	3	20	
Benzene	21		1.0	ug/L	20.0	0.20 U	104	81-134	3	17	
Chlorobenzene	19		1.0	ug/L	20.0	0.27 U	97	83-117	2	16	
Toluene	20		1.0	ug/L	20.0	0.27 U	99	71-118	5	17	
Trichloroethene	20		1.0	ug/L	20.0	0.38 U	101	75-115	5	18	

Batch 9J17001 - EPA 5030B_MS

Blank (9J17001-BLK1) Prepared: 10/17/2009 09:52 Analyzed: 10/18/2009 01:30

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.40	U	1.0	ug/L							
1,1,1-Trichloroethane	0.27	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.33	U	1.0	ug/L							
1,1,2-Trichloroethane	0.37	U	1.0	ug/L							
1,1-Dichloroethane	0.33	U	1.0	ug/L							
1,1-Dichloroethene	0.24	U	1.0	ug/L							
1,2,3-Trichloropropane	0.55	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	0.27	U	1.0	ug/L							
1,2-Dichloroethane	0.65	U	1.0	ug/L							
1,2-Dichloropropane	0.20	U	1.0	ug/L							
1,4-Dichlorobenzene	0.38	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	0.20	U	1.0	ug/L							
Bromochloromethane	0.42	U	1.0	ug/L							
Bromodichloromethane	0.37	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 9J17001 - EPA 5030B_MS

Blank (9J17001-BLK1) Continued Prepared: 10/17/2009 09:52 Analyzed: 10/18/2009 01:30

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Bromoform	0.71	U	1.0	ug/L							
Bromomethane	0.49	U	1.0	ug/L							
Carbon disulfide	0.54	U	5.0	ug/L							
Carbon tetrachloride	0.38	U	1.0	ug/L							
Chlorobenzene	0.27	U	1.0	ug/L							
Chloroethane	0.30	U	1.0	ug/L							
Chloroform	0.20	U	1.0	ug/L							
Chloromethane	0.34	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.36	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.28	U	1.0	ug/L							
Dibromochloromethane	0.32	U	1.0	ug/L							
Dibromomethane	0.37	U	1.0	ug/L							
Ethylbenzene	0.20	U	1.0	ug/L							
Iodomethane	0.52	U	5.0	ug/L							
Methylene chloride	0.53	U	1.0	ug/L							
Styrene	0.26	U	1.0	ug/L							
Tetrachloroethene	0.36	U	1.0	ug/L							
Toluene	0.27	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.34	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.38	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.54	U	1.0	ug/L							
Trichloroethene	0.38	U	1.0	ug/L							
Trichlorofluoromethane	0.28	U	1.0	ug/L							
Vinyl acetate	0.98	U	5.0	ug/L							
Vinyl chloride	0.30	U	1.0	ug/L							
Xylenes (Total)	0.40	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*39*			*ug/L*	*50.0*		*78*	*51-122*			
Surrogate: Dibromofluoromethane	*35*			*ug/L*	*50.0*		*70*	*68-117*			
Surrogate: Toluene-d8	*36*			*ug/L*	*50.0*		*73*	*69-110*			

LCS (9J17001-BS1) Prepared: 10/17/2009 09:52 Analyzed: 10/18/2009 02:01

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		91	75-133			
Benzene	18		1.0	ug/L	20.0		89	81-134			
Chlorobenzene	19		1.0	ug/L	20.0		93	83-117			
Toluene	19		1.0	ug/L	20.0		94	71-118			
Trichloroethene	17		1.0	ug/L	20.0		87	75-115			

Matrix Spike (9J17001-MS1) Prepared: 10/17/2009 09:52 Analyzed: 10/18/2009 02:31

Source: C912148-04

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	0.24 U	92	75-133			
Benzene	19		1.0	ug/L	20.0	0.20 U	93	81-134			
Chlorobenzene	19		1.0	ug/L	20.0	0.27 U	96	83-117			
Toluene	19		1.0	ug/L	20.0	0.27 U	95	71-118			
Trichloroethene	18		1.0	ug/L	20.0	0.38 U	90	75-115			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 9J17001 - EPA 5030B_MS

Matrix Spike Dup (9J17001-MSD1) Prepared: 10/17/2009 09:52 Analyzed: 10/18/2009 03:01

Source: C912148-04

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	0.24 U	87	75-133	6	20	
Benzene	17		1.0	ug/L	20.0	0.20 U	87	81-134	6	17	
Chlorobenzene	19		1.0	ug/L	20.0	0.27 U	94	83-117	1	16	
Toluene	19		1.0	ug/L	20.0	0.27 U	95	71-118	0.5	17	
Trichloroethene	18		1.0	ug/L	20.0	0.38 U	89	75-115	1	18	

Batch 9J22025 - EPA 5030B_MS

Blank (9J22025-BLK1) Prepared: 10/22/2009 11:29 Analyzed: 10/22/2009 15:38

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.40	U	1.0	ug/L							
1,1,1-Trichloroethane	0.27	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.33	U	1.0	ug/L							
1,1,2-Trichloroethane	0.37	U	1.0	ug/L							
1,1-Dichloroethane	0.33	U	1.0	ug/L							
1,1-Dichloroethene	0.24	U	1.0	ug/L							
1,2,3-Trichloropropane	0.55	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	0.27	U	1.0	ug/L							
1,2-Dichloroethane	0.65	U	1.0	ug/L							
1,2-Dichloropropane	0.20	U	1.0	ug/L							
1,4-Dichlorobenzene	0.38	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	0.20	U	1.0	ug/L							
Bromochloromethane	0.42	U	1.0	ug/L							
Bromodichloromethane	0.37	U	1.0	ug/L							
Bromoform	0.71	U	1.0	ug/L							
Bromomethane	0.49	U	1.0	ug/L							
Carbon disulfide	0.54	U	5.0	ug/L							
Carbon tetrachloride	0.38	U	1.0	ug/L							
Chlorobenzene	0.27	U	1.0	ug/L							
Chloroethane	0.30	U	1.0	ug/L							
Chloroform	0.20	U	1.0	ug/L							
Chloromethane	0.34	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.36	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.28	U	1.0	ug/L							
Dibromochloromethane	0.32	U	1.0	ug/L							
Dibromomethane	0.37	U	1.0	ug/L							
Ethylbenzene	0.20	U	1.0	ug/L							
Iodomethane	0.52	U	5.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 9J22025 - EPA 5030B_MS

Blank (9J22025-BLK1) Continued Prepared: 10/22/2009 11:29 Analyzed: 10/22/2009 15:38

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Methylene chloride	0.53	U	1.0	ug/L							
Styrene	0.26	U	1.0	ug/L							
Tetrachloroethene	0.36	U	1.0	ug/L							
Toluene	0.27	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.34	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.38	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.54	U	1.0	ug/L							
Trichloroethene	0.38	U	1.0	ug/L							
Trichlorofluoromethane	0.28	U	1.0	ug/L							
Vinyl acetate	0.98	U	5.0	ug/L							
Vinyl chloride	0.30	U	1.0	ug/L							
Xylenes (Total)	0.40	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*40*			*ug/L*	*50.0*		*80*	*51-122*			
Surrogate: Dibromofluoromethane	*35*			*ug/L*	*50.0*		*70*	*68-117*			
Surrogate: Toluene-d8	*36*			*ug/L*	*50.0*		*71*	*69-110*			

LCS (9J22025-BS1) Prepared: 10/22/2009 11:29 Analyzed: 10/22/2009 16:09

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0		93	75-133			
Benzene	18		1.0	ug/L	20.0		91	81-134			
Chlorobenzene	19		1.0	ug/L	20.0		93	83-117			
Toluene	19		1.0	ug/L	20.0		94	71-118			
Trichloroethene	18		1.0	ug/L	20.0		92	75-115			

Matrix Spike (9J22025-MS1) Prepared: 10/22/2009 11:29 Analyzed: 10/22/2009 16:39

Source: C911015-04

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	0.24 U	105	75-133			
Benzene	22		1.0	ug/L	20.0	1.9	101	81-134			
Chlorobenzene	24		1.0	ug/L	20.0	2.7	104	83-117			
Toluene	21		1.0	ug/L	20.0	0.27 U	106	71-118			
Trichloroethene	21		1.0	ug/L	20.0	0.53	103	75-115			

Matrix Spike Dup (9J22025-MSD1) Prepared: 10/22/2009 11:29 Analyzed: 10/22/2009 17:10

Source: C911015-04

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	0.24 U	95	75-133	10	20	
Benzene	21		1.0	ug/L	20.0	1.9	95	81-134	6	17	
Chlorobenzene	22		1.0	ug/L	20.0	2.7	97	83-117	6	16	
Toluene	20		1.0	ug/L	20.0	0.27 U	99	71-118	7	17	
Trichloroethene	20		1.0	ug/L	20.0	0.53	97	75-115	6	18	

Batch 9J23004 - EPA 5030B_MS

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 9J23004 - EPA 5030B_MS

Blank (9J23004-BLK1) Prepared: 10/23/2009 08:44 Analyzed: 10/23/2009 17:12

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.40	U	1.0	ug/L							
1,1,1-Trichloroethane	0.27	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.33	U	1.0	ug/L							
1,1,2-Trichloroethane	0.37	U	1.0	ug/L							
1,1-Dichloroethane	0.33	U	1.0	ug/L							
1,1-Dichloroethene	0.24	U	1.0	ug/L							
1,2,3-Trichloropropane	0.55	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	0.27	U	1.0	ug/L							
1,2-Dichloroethane	0.65	U	1.0	ug/L							
1,2-Dichloropropane	0.20	U	1.0	ug/L							
1,4-Dichlorobenzene	0.38	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	0.20	U	1.0	ug/L							
Bromochloromethane	0.42	U	1.0	ug/L							
Bromodichloromethane	0.37	U	1.0	ug/L							
Bromoform	0.71	U	1.0	ug/L							
Bromomethane	0.49	U	1.0	ug/L							
Carbon disulfide	0.54	U	5.0	ug/L							
Carbon tetrachloride	0.38	U	1.0	ug/L							
Chlorobenzene	0.27	U	1.0	ug/L							
Chloroethane	0.30	U	1.0	ug/L							
Chloroform	0.20	U	1.0	ug/L							
Chloromethane	0.34	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.36	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.28	U	1.0	ug/L							
Dibromochloromethane	0.32	U	1.0	ug/L							
Dibromomethane	0.37	U	1.0	ug/L							
Ethylbenzene	0.20	U	1.0	ug/L							
Iodomethane	0.52	U	5.0	ug/L							
Methylene chloride	0.53	U	1.0	ug/L							
Styrene	0.26	U	1.0	ug/L							
Tetrachloroethene	0.36	U	1.0	ug/L							
Toluene	0.27	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.34	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.38	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.54	U	1.0	ug/L							
Trichloroethene	0.38	U	1.0	ug/L							
Trichlorofluoromethane	0.28	U	1.0	ug/L							
Vinyl acetate	0.98	U	5.0	ug/L							
Vinyl chloride	0.30	U	1.0	ug/L							
Xylenes (Total)	0.40	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*46*			*ug/L*	*50.0*		*93*	*51-122*			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 9J23004 - EPA 5030B_MS

Blank (9J23004-BLK1) Continued Prepared: 10/23/2009 08:44 Analyzed: 10/23/2009 17:12

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Dibromofluoromethane	*42*			*ug/L*	*50.0*		*84*	*68-117*			
Surrogate: Toluene-d8	*41*			*ug/L*	*50.0*		*83*	*69-110*			

LCS (9J23004-BS1) Prepared: 10/23/2009 08:44 Analyzed: 10/23/2009 17:43

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		105	75-133			
Benzene	19		1.0	ug/L	20.0		94	81-134			
Chlorobenzene	19		1.0	ug/L	20.0		95	83-117			
Toluene	19		1.0	ug/L	20.0		96	71-118			
Trichloroethene	18		1.0	ug/L	20.0		92	75-115			

Matrix Spike (9J23004-MS1) Prepared: 10/23/2009 08:44 Analyzed: 10/23/2009 18:13

Source: C912360-01

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	0.24 U	96	75-133			
Benzene	18		1.0	ug/L	20.0	0.20 U	91	81-134			
Chlorobenzene	18		1.0	ug/L	20.0	0.27 U	92	83-117			
Toluene	19		1.0	ug/L	20.0	0.27 U	93	71-118			
Trichloroethene	18		1.0	ug/L	20.0	0.38 U	90	75-115			

Matrix Spike Dup (9J23004-MSD1) Prepared: 10/23/2009 08:44 Analyzed: 10/23/2009 18:44

Source: C912360-01

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	0.24 U	89	75-133	7	20	
Benzene	17		1.0	ug/L	20.0	0.20 U	86	81-134	6	17	
Chlorobenzene	18		1.0	ug/L	20.0	0.27 U	90	83-117	2	16	
Toluene	18		1.0	ug/L	20.0	0.27 U	90	71-118	3	17	
Trichloroethene	18		1.0	ug/L	20.0	0.38 U	88	75-115	2	18	

Batch 9J24006 - EPA 5030B_MS

Blank (9J24006-BLK1) Prepared: 10/24/2009 14:49 Analyzed: 10/28/2009 12:47

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.40	U	1.0	ug/L							
1,1,1-Trichloroethane	0.27	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.33	U	1.0	ug/L							
1,1,2-Trichloroethane	0.37	U	1.0	ug/L							
1,1-Dichloroethane	0.33	U	1.0	ug/L							
1,1-Dichloroethene	0.24	U	1.0	ug/L							
1,2,3-Trichloropropane	0.55	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	0.27	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 9J24006 - EPA 5030B_MS

Blank (9J24006-BLK1) Continued Prepared: 10/24/2009 14:49 Analyzed: 10/28/2009 12:47

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dichloroethane	0.65	U	1.0	ug/L							
1,2-Dichloropropane	0.20	U	1.0	ug/L							
1,4-Dichlorobenzene	0.38	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	0.20	U	1.0	ug/L							
Bromochloromethane	0.42	U	1.0	ug/L							
Bromodichloromethane	0.37	U	1.0	ug/L							
Bromoform	0.71	U	1.0	ug/L							
Bromomethane	0.49	U	1.0	ug/L							
Carbon disulfide	0.54	U	5.0	ug/L							
Carbon tetrachloride	0.38	U	1.0	ug/L							
Chlorobenzene	0.27	U	1.0	ug/L							
Chloroethane	0.30	U	1.0	ug/L							
Chloroform	0.20	U	1.0	ug/L							
Chloromethane	0.34	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.36	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.28	U	1.0	ug/L							
Dibromochloromethane	0.32	U	1.0	ug/L							
Dibromomethane	0.37	U	1.0	ug/L							
Ethylbenzene	0.20	U	1.0	ug/L							
Iodomethane	0.52	U	5.0	ug/L							
Methylene chloride	0.53	U	1.0	ug/L							
Styrene	0.26	U	1.0	ug/L							
Tetrachloroethene	0.36	U	1.0	ug/L							
Toluene	0.27	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.34	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.38	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.54	U	1.0	ug/L							
Trichloroethene	0.38	U	1.0	ug/L							
Trichlorofluoromethane	0.28	U	1.0	ug/L							
Vinyl acetate	0.98	U	5.0	ug/L							
Vinyl chloride	0.30	U	1.0	ug/L							
Xylenes (Total)	0.40	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*49*			*ug/L*	*50.0*		*98*	*51-122*			
Surrogate: Dibromofluoromethane	*49*			*ug/L*	*50.0*		*98*	*68-117*			
Surrogate: Toluene-d8	*49*			*ug/L*	*50.0*		*98*	*69-110*			

LCS (9J24006-BS1) Prepared: 10/24/2009 14:49 Analyzed: 10/28/2009 13:15

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0		108	75-133			
Benzene	21		1.0	ug/L	20.0		103	81-134			
Chlorobenzene	20		1.0	ug/L	20.0		101	83-117			
Toluene	22		1.0	ug/L	20.0		108	71-118			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 9J24006 - EPA 5030B_MS

LCS (9J24006-BS1) Continued Prepared: 10/24/2009 14:49 Analyzed: 10/28/2009 13:15

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Trichloroethene	21		1.0	ug/L	20.0		104	75-115			

Matrix Spike (9J24006-MS1) Prepared: 10/24/2009 14:49 Analyzed: 10/28/2009 13:44

Source: C911781-01

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	0.24 U	100	75-133			
Benzene	23		1.0	ug/L	20.0	1.4	109	81-134			
Chlorobenzene	24		1.0	ug/L	20.0	1.7	112	83-117			
Toluene	23		1.0	ug/L	20.0	0.27 U	115	71-118			
Trichloroethene	21		1.0	ug/L	20.0	0.38 U	104	75-115			

Matrix Spike Dup (9J24006-MSD1) Prepared: 10/24/2009 14:49 Analyzed: 10/28/2009 14:13

Source: C911781-01

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	0.24 U	98	75-133	2	20	
Benzene	22		1.0	ug/L	20.0	1.4	103	81-134	5	17	
Chlorobenzene	22		1.0	ug/L	20.0	1.7	103	83-117	8	16	
Toluene	21		1.0	ug/L	20.0	0.27 U	105	71-118	8	17	
Trichloroethene	19		1.0	ug/L	20.0	0.38 U	97	75-115	7	18	

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

Batch 9J14022 - EPA 3005A

Blank (9J14022-BLK1) Prepared: 10/14/2009 16:58 Analyzed: 10/27/2009 10:11

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							
Selenium	2.70	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 (9J14022-BS1) Prepared: 10/14/2009 16:58 Analyzed: 10/27/2009 10:21

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1090		10.0	ug/L	1000		109	80-120			
Barium	1160		10.0	ug/L	1000		116	80-120			

QUALITY CONTROL

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

Batch 9J14022 - EPA 3005A

LCS (9J14022-BS1) Continued Prepared: 10/14/2009 16:58 Analyzed: 10/27/2009 10:21

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Beryllium	584		1.00	ug/L	500		117	80-120			
Cadmium	565		1.00	ug/L	500		113	80-120			
Chromium	1160		10.0	ug/L	1000		116	80-120			
Cobalt	1150		10.0	ug/L	1000		115	80-120			
Copper	580		10.0	ug/L	500		116	80-120			
Lead	1110		10.0	ug/L	1000		111	80-120			
Nickel	1140		10.0	ug/L	1000		114	80-120			
Selenium	1130		10.0	ug/L	1000		113	80-120			
Silver	115		10.0	ug/L	100		115	80-120			
Vanadium	588		10.0	ug/L	500		118	80-120			
Zinc	1160		10.0	ug/L	1000		116	80-120			

Matrix Spike (9J14022-MS1) Prepared: 10/14/2009 16:58 Analyzed: 10/27/2009 10:25

Source: C910822-05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1120		10.0	ug/L	1000	4.69	112	75-125			
Barium	1180		10.0	ug/L	1000	22.1	116	75-125			
Beryllium	595		1.00	ug/L	500	0.562	119	75-125			
Cadmium	555		1.00	ug/L	500	0.563	111	75-125			
Chromium	1150		10.0	ug/L	1000	1.84	115	75-125			
Cobalt	1120		10.0	ug/L	1000	1.34	112	75-125			
Copper	568		10.0	ug/L	500	1.60 U	114	75-125			
Lead	1110		10.0	ug/L	1000	1.90 U	111	75-125			
Nickel	1110		10.0	ug/L	1000	1.80 U	111	75-125			
Selenium	1150		10.0	ug/L	1000	2.70 U	115	75-125			
Silver	119		10.0	ug/L	100	1.90 U	119	75-125			
Vanadium	586		10.0	ug/L	500	5.42	116	75-125			
Zinc	1140		10.0	ug/L	1000	5.22	113	75-125			

Matrix Spike Dup (9J14022-MSD1) Prepared: 10/14/2009 16:58 Analyzed: 10/27/2009 10:28

Source: C910822-05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1110		10.0	ug/L	1000	4.69	110	75-125	1	20	
Barium	1160		10.0	ug/L	1000	22.1	114	75-125	2	20	
Beryllium	582		1.00	ug/L	500	0.562	116	75-125	2	20	
Cadmium	547		1.00	ug/L	500	0.563	109	75-125	2	20	
Chromium	1130		10.0	ug/L	1000	1.84	113	75-125	2	20	
Cobalt	1110		10.0	ug/L	1000	1.34	110	75-125	2	20	
Copper	559		10.0	ug/L	500	1.60 U	112	75-125	2	20	
Lead	1100		10.0	ug/L	1000	1.90 U	110	75-125	1	20	
Nickel	1100		10.0	ug/L	1000	1.80 U	110	75-125	1	20	
Selenium	1150		10.0	ug/L	1000	2.70 U	115	75-125	0.7	20	
Silver	116		10.0	ug/L	100	1.90 U	116	75-125	2	20	
Vanadium	577		10.0	ug/L	500	5.42	114	75-125	2	20	
Zinc	1120		10.0	ug/L	1000	5.22	112	75-125	1	20	

QUALITY CONTROL

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

Batch 9J14022 - EPA 3005A

Post Spike (9J14022-PS1) Prepared: 10/14/2009 16:58 Analyzed: 10/27/2009 10:30

Source: C910822-05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1.17		0.0100	mg/L	1.00	0.00469	117	80-120			
Barium	1.22		0.0100	mg/L	1.00	0.0221	120	80-120			
Beryllium	0.606		0.00100	mg/L	0.500	0.000562	121	80-120			QM-08
Cadmium	0.578		0.00100	mg/L	0.500	0.000563	116	80-120			
Chromium	1.19		0.0100	mg/L	1.00	0.00184	119	80-120			
Cobalt	1.17		0.0100	mg/L	1.00	0.00134	117	80-120			
Copper	0.589		0.0100	mg/L	0.500	-0.000309	118	80-120			
Lead	1.17		0.0100	mg/L	1.00	0.000206	117	80-120			
Nickel	1.16		0.0100	mg/L	1.00	0.000861	116	80-120			
Selenium	1.22		0.0100	mg/L	1.00	-0.00758	123	80-120			QM-08
Silver	0.119		0.0100	mg/L	0.100	0.00147	118	80-120			
Vanadium	0.608		0.0100	mg/L	0.500	0.00542	120	80-120			
Zinc	1.19		0.0100	mg/L	1.00	0.00522	119	80-120			

Batch 9J15029 - EPA 3005A

Blank (9J15029-BLK1) Prepared: 10/15/2009 14:04 Analyzed: 10/21/2009 11:18

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.0730	U	2.00	ug/L							
Thallium	0.110	U	1.00	ug/L							

LCS (9J15029-BS1) Prepared: 10/15/2009 14:04 Analyzed: 10/21/2009 10:01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	24.8		2.00	ug/L	25.0		99	80-120			
Thallium	27.1		1.00	ug/L	25.0		108	80-120			

Matrix Spike (9J15029-MS1) Prepared: 10/15/2009 14:04 Analyzed: 10/21/2009 10:08

Source: C911287-21

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	1.88	96	75-125			
Thallium	26.6		1.00	ug/L	25.0	0.110 U	107	75-125			

Matrix Spike Dup (9J15029-MSD1) Prepared: 10/15/2009 14:04 Analyzed: 10/21/2009 10:11

Source: C911287-21

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	25.6		2.00	ug/L	25.0	1.88	95	75-125	1	20	
Thallium	26.9		1.00	ug/L	25.0	0.110 U	108	75-125	1	20	

Post Spike (9J15029-PS1) Prepared: 10/15/2009 14:04 Analyzed: 10/21/2009 10:15

Source: C911287-21

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

QUALITY CONTROL

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

Batch 9J15029 - EPA 3005A

Post Spike (9J15029-PS1) Continued Prepared: 10/15/2009 14:04 Analyzed: 10/21/2009 10:15

Source: C911287-21

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	1.88	98	80-120			
Thallium	26.9		1.00	ug/L	25.0	0.0980	107	80-120			

Batch 9J23003 - EPA 3005A

Blank (9J23003-BLK1) Prepared: 10/23/2009 08:30 Analyzed: 10/27/2009 10:00

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	**0.0800**	**J**	2.00	ug/L							
Thallium	0.110	U	1.00	ug/L							

LCS (9J23003-BS1) Prepared: 10/23/2009 08:30 Analyzed: 10/27/2009 10:03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	28.0	B	2.00	ug/L	25.0		112	80-120			
Thallium	26.6		1.00	ug/L	25.0		107	80-120			

Matrix Spike (9J23003-MS1) Prepared: 10/23/2009 08:30 Analyzed: 10/27/2009 10:10

Source: C911015-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	27.9	B	2.00	ug/L	25.0	0.118	111	75-125			
Thallium	26.3		1.00	ug/L	25.0	0.110 U	105	75-125			

Matrix Spike Dup (9J23003-MSD1) Prepared: 10/23/2009 08:30 Analyzed: 10/27/2009 10:14

Source: C911015-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	28.2	B	2.00	ug/L	25.0	0.118	112	75-125	0.8	20	
Thallium	26.5		1.00	ug/L	25.0	0.110 U	106	75-125	0.9	20	

Post Spike (9J23003-PS1) Prepared: 10/23/2009 08:30 Analyzed: 10/27/2009 10:18

Source: C911015-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	28.1	B	2.00	ug/L	25.0	0.118	112	80-120			
Thallium	26.9		1.00	ug/L	25.0	0.0130	108	80-120			

Batch 9J23022 - EPA 3005A

Blank (9J23022-BLK1) Prepared: 10/23/2009 12:40 Analyzed: 11/03/2009 12:47

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							

QUALITY CONTROL

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

Batch 9J23022 - EPA 3005A

Blank (9J23022-BLK1) Continued Prepared: 10/23/2009 12:40 Analyzed: 11/03/2009 12:47

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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							
Selenium	2.70	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 (9J23022-BS1) Prepared: 10/23/2009 12:40 Analyzed: 11/03/2009 12:50

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	1050		10.0	ug/L	1000		105	80-120			
Beryllium	538		1.00	ug/L	500		108	80-120			
Cadmium	520		1.00	ug/L	500		104	80-120			
Chromium	1060		10.0	ug/L	1000		106	80-120			
Cobalt	1040		10.0	ug/L	1000		104	80-120			
Copper	531		10.0	ug/L	500		106	80-120			
Lead	1060		10.0	ug/L	1000		106	80-120			
Nickel	1040		10.0	ug/L	1000		104	80-120			
Selenium	1090		10.0	ug/L	1000		109	80-120			
Silver	108		10.0	ug/L	100		108	80-120			
Vanadium	537		10.0	ug/L	500		107	80-120			
Zinc	1060		10.0	ug/L	1000		106	80-120			

Matrix Spike (9J23022-MS1) Prepared: 10/23/2009 12:40 Analyzed: 11/03/2009 13:05

Source: C911781-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1040		10.0	ug/L	1000	2.80 U	104	75-125			
Barium	1070		10.0	ug/L	1000	23.5	105	75-125			
Beryllium	533		1.00	ug/L	500	0.125	107	75-125			
Cadmium	511		1.00	ug/L	500	0.360 U	102	75-125			
Chromium	1050		10.0	ug/L	1000	1.00 U	105	75-125			
Cobalt	1040		10.0	ug/L	1000	7.81	103	75-125			
Copper	532		10.0	ug/L	500	7.12	105	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			
Selenium	1070		10.0	ug/L	1000	2.70 U	107	75-125			
Silver	108		10.0	ug/L	100	1.90 U	108	75-125			
Vanadium	530		10.0	ug/L	500	1.40 U	106	75-125			
Zinc	1040		10.0	ug/L	1000	3.80 U	104	75-125			

Matrix Spike Dup (9J23022-MSD1) Prepared: 10/23/2009 12:40 Analyzed: 11/03/2009 13:07

QUALITY CONTROL

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

Batch 9J23022 - EPA 3005A

Matrix Spike Dup (9J23022-MSD1) Continued Prepared: 10/23/2009 12:40 Analyzed: 11/03/2009 13:07

Source: C911781-01

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	0.8	20	
Barium	1070		10.0	ug/L	1000	23.5	105	75-125	0.1	20	
Beryllium	536		1.00	ug/L	500	0.125	107	75-125	0.6	20	
Cadmium	512		1.00	ug/L	500	0.360 U	102	75-125	0.2	20	
Chromium	1050		10.0	ug/L	1000	1.00 U	105	75-125	0.1	20	
Cobalt	1040		10.0	ug/L	1000	7.81	103	75-125	0.03	20	
Copper	533		10.0	ug/L	500	7.12	105	75-125	0.1	20	
Lead	1050		10.0	ug/L	1000	1.90 U	105	75-125	0.3	20	
Nickel	1030		10.0	ug/L	1000	1.80 U	103	75-125	0.3	20	
Selenium	1070		10.0	ug/L	1000	2.70 U	107	75-125	0.6	20	
Silver	109		10.0	ug/L	100	1.90 U	109	75-125	1	20	
Vanadium	531		10.0	ug/L	500	1.40 U	106	75-125	0.2	20	
Zinc	1050		10.0	ug/L	1000	3.80 U	105	75-125	0.5	20	

Post Spike (9J23022-PS1) Prepared: 10/23/2009 12:40 Analyzed: 11/03/2009 13:10

Source: C911781-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1.02		0.0100	mg/L	1.00	0.00233	102	80-120			
Barium	1.05		0.0100	mg/L	1.00	0.0235	103	80-120			
Beryllium	0.524		0.00100	mg/L	0.500	0.000125	105	80-120			
Cadmium	0.502		0.00100	mg/L	0.500	7.83E-6	100	80-120			
Chromium	1.03		0.0100	mg/L	1.00	-0.000505	103	80-120			
Cobalt	1.02		0.0100	mg/L	1.00	0.00781	101	80-120			
Copper	0.521		0.0100	mg/L	0.500	0.00712	103	80-120			
Lead	1.03		0.0100	mg/L	1.00	0.000371	103	80-120			
Nickel	1.01		0.0100	mg/L	1.00	0.000368	101	80-120			
Selenium	1.05		0.0100	mg/L	1.00	-8.64E-6	105	80-120			
Silver	0.110		0.0100	mg/L	0.100	0.000589	109	80-120			
Vanadium	0.521		0.0100	mg/L	0.500	0.000627	104	80-120			
Zinc	1.02		0.0100	mg/L	1.00	0.00295	102	80-120			

FLAGS/NOTES AND DEFINITIONS

B	The analyte was detected in the associated method blank.
D	The sample was analyzed at dilution.
J	The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.
U	The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
MRL	Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.
J-01	Result is estimated due to positive results in the associated method blank.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-08	Post-digestion spike did not meet method requirements due to confirmed matrix effects (dilution test).

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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Client Name: S&ME, Inc. (SM004)	Project Number: [none]
Address: 3716 Old Battleground Rd.	Project Name/Site: White Street Landfill Appl (Phase III)
City/State/Zip: Greensboro, NC 27410	PO # / Billing Info
Tel: (336) 288-7180 Fax: (336) 288-8980	Telephone Contact: Bonnie Henriques
Sampler(s) Name, Affiliation (Print): Gary Simcox / S&ME, Inc.	Billing Address: Accounts Payable
Sampler(s) Signature:	Email to: (if required)

Requested Analyses: 8260B Appendix I; 25 Analytes Per CLP SOW OLM01.2 Fe, Mn, Se, Na

Requested Turnaround Times

Note: Rush requests subject to acceptance by the facility

___ Standard

___ Expedited

Due ___/___/___

Lab Workorder: C910822

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 MW-15	10/12/09	1325	G	GW	4	X	X								
	4112 MW-16	10/13/09	0855	G	GW	4	X	X								
	4112 MW-17	10/9/09	1015	G	GW	4	X	X								
	4112 MW-18	10/13/09	1020	G	GW	4	X	X								
	4112 MW-19	10/7/09	1405	G	GW	4	X	X								
	4112 MW-20	10/7/09	1500	G	GW	4	X	X								
	4112 MW-21	10/7/09	1615	G	GW	4	X	X								
	4112 MW-22	10/12/09	0940	G	GW	4	X	X								
	4112 MW-23	10/12/09	1120	G	GW	4	X	X								
	4112 MW-24	10/12/09	1220	G	GW	4	X	X								
	~~4112 MW-25~~			G	GW	4	X	X								
	4112 MW-25B	10/12/09	0905	G	GW	4	X	X								

<- Total # of Containers

Sample Kit Prepared By: RSG	Date/Time: 9-17-09	Relinquished By:	Date/Time:	Received By: BW	Date/Time: 10/14/09 1045
Comments: Samples 4112 Duplicate III & Trip Blank submitted but not listed on COC. CS 10/15/09		Relinquished By: BW	Date/Time: 10/14 1300	Received By: Bruna Gregory	Date/Time: 10-14-09 1300
		Relinquished By:	Date/Time:	Received By:	Date/Time:
		Order #'s & Terms by Permit: C-1241 244		Condition Upon Receipt: X Acceptable ___ Unacceptable	

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

Preservation: None HNO3 NaHSO4 SH2SO4 NaOH NaOH O-Other (write in comments)

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

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ENVIRONMENTAL CONSERVATION LABORATORIES 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

Client Name: S&ME, Inc. (SME04)	Project Number: (1086)
Address: 3716 Old Battleground Rd.	Project Name/Site: Ghilis Creek Landfill Appl. (Phase III)
City/State: Greensboro, NC 27410	PO # (Billing Info):
Tel: (336) 286-7180 Fax: (336) 286-8980	Project Contact: Hamilton Henriques
Sampler(s) Name, Affiliation (Print):	Send Copies: Accounts Payable
Sampler(s) Signature:	Facility # (if required):

Requested Analyses: 8260B Appendix 1; Ag, As, Ba, Ca, Cr, Co, Cu, Mn, Fe, Pb, Ni, Se, Tl, Zn

Requested Turnaround Times

Note: Rush requests subject to acceptance by the facility

___ Standard

___ Expedited

Due ___/___/___

Lab Workorder: ~~C910822~~

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers			Sample Comments
	4112 SW-1	10/20/09	1900	G	SW	4	X	X	C912367
	4112 SW-2	10/20/09	1755	G	SW	4	X	X	
	4112 SW-3	10/20/09	1615	G	SW	4	X	X	
	4112 SW-4	10/20/09	1825	G	SW	4	X	X	
	4112 SW-5	10/20/09	1735	G	SW	4	X	X	
	~~4112 DUPLICATE #1~~				~~WA~~	~~4~~	~~X~~	~~X~~	
	~~4112 Trip Blank #2~~				~~WA~~	~~2~~	~~X~~		
	II - 11	10/20/09	1320	G	W4	4	X	X	

Preservation (See Codes) (Combine as necessary)

<- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
BTG	9-17-09	[signature]	10/20/09 2000	BW.	10/20/09 [illegible]
Comments		Relinquished By: B.W.	Date/Time: 10/21/09	Received By: Barbara Geary	Date/Time: 10-21-09 13:30
		Relinquished By	Date/Time	Received By	Date/Time
		Cooler #'s & Temp. on Receipt: C-641 0.8°C		Condition Upon Receipt: X Acceptable ___ Unacceptable	

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

Preservation: Ice HHCl NHO3 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 agreement exists.

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APPENDIX III
Descriptive Statistics

Basic Statistics
Parameter: Barium
Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Measurements	452
Total Non-Detects	339 (75%)
Pooled Mean	448.101
Pooled Std Dev	209.821
Compliance Meas.	384
Compliance Mean	449.578
Compliance Std Dev	209.568
Background Meas.	68
Background Mean	439.763
Background Std Dev	212.613

Background Locations
There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	35	27	77.1429	14454
MW-14	33	23	69.697	15449.9

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-13	412.971	162.264	0	7755	221.571
MW-14	468.179	255.056	0	7842	237.636

Compliance Locations
There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
II-1	37	24	64.8649	16989.2
II-2	37	28	75.6757	15479.5
II-3	37	24	64.8649	16187
II-4	36	20	55.5556	19574
II-5	36	27	75	14568
II-8	35	27	77.1429	14004.9
I-5	34	31	91.1765	15744
II-6	33	26	78.7879	14997.9
II-7	34	28	82.3529	14221
II-7B	21	16	76.1905	8058.4
II-10	11	11	100	5500
II-11	11	11	100	5500
II-12	11	5	45.4545	6314
II-9	11	11	100	5500

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	Rank Mean
II-1	459.168	189.429	19.4043	42.522	9463	255.757
II-2	418.365	207.958	-21.3984	42.522	8176	220.973
II-3	437.486	178.474	-2.27675	42.522	9386	253.676
II-4	543.722	430.135	103.959	42.9028	10077	279.917
II-5	404.667	175.84	-35.0966	42.9028	8056	223.778
II-8	400.14	186.592	-39.6232	43.3017	7577	216.486
I-5	463.059	120.699	23.2956	43.7201	6411	188.559
II-6	454.482	134.379	14.7186	44.1595	7208	218.424
II-7	418.265	179.694	-21.4985	43.7201	6916	203.412
II-7B	383.733	213.124	-56.0299	51.9644	4441	211.476
II-10	500	0	60.2368	67.6453	1870	170
II-11	500	0	60.2368	67.6453	1870	170
II-12	574	119.893	134.237	67.6453	3460	314.545
II-9	500	0	60.2368	67.6453	1870	170

Analysis of Variance Statistics

SS Wells	964967
SS Total	1.98551e+007

Kruskal-Wallis Statistics

Non-Detect Rank	170
Background Rank Sum	15597
Background Rank Mean	229.368
H Statistic	25.3038
H Adjusted for Ties	43.7686

Basic Statistics

Parameter: Chromium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements	452
Total Non-Detects	344 (76.1062%)
Pooled Mean	14.3023
Pooled Std Dev	19.6013
Compliance Meas.	384
Compliance Mean	15.1224
Compliance Std Dev	21.1502
Background Meas.	68
Background Mean	9.67132
Background Std Dev	1.87428

Background Locations

There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	35	33	94.2857	342
MW-14	33	24	72.7273	315.65

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-13	9.77143	0.972738	0	6421.5	183.471
MW-14	9.56515	2.51541	0	7472	226.424

Compliance Locations

There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
II-1	37	19	51.3514	951.09
II-2	37	27	72.973	508.9
II-3	37	25	67.5676	542.89
II-4	36	22	61.1111	511.7
II-5	36	24	66.6667	498.31
II-8	35	32	91.4286	339.6
I-5	34	22	64.7059	1043.7
II-6	33	24	72.7273	399.17
II-7	34	29	85.2941	356.15
II-7B	21	20	95.2381	200.8
II-10	11	11	100	110
II-11	11	11	100	110
II-12	11	10	90.9091	124.7
II-9	11	11	100	110

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	Rank Mean
II-1	25.7051	34.9064	16.0338	3.85511	10805.5	292.041
II-2	13.7541	9.52361	4.08273	3.85511	8701.5	235.176
II-3	14.6727	12.7383	5.00138	3.85511	9136.5	246.932
II-4	14.2139	14.6529	4.54257	3.88963	9263	257.306
II-5	13.8419	10.0889	4.17062	3.88963	8917	247.694
II-8	9.70286	1.60394	0.0315336	3.92579	6612	188.914
I-5	30.6971	51.7029	21.0257	3.96373	8843	260.088
II-6	12.0961	7.66324	2.42474	4.00356	7665	232.273
II-7	10.475	3.99128	0.803676	3.96373	6914.5	203.368
II-7B	9.5619	2.0076	-0.109419	4.71116	3796	180.762
II-10	10	0	0.328676	6.13282	1897.5	172.5
II-11	10	0	0.328676	6.13282	1897.5	172.5
II-12	11.3364	4.43222	1.66504	6.13282	2138	194.364
II-9	10	0	0.328676	6.13282	1897.5	172.5

Analysis of Variance Statistics

SS Wells	18011.4
SS Total	173279

Kruskal-Wallis Statistics

Non-Detect Rank	172.5
Background Rank Sum	13893.5
Background Rank Mean	204.316
H Statistic	30.4508
H Adjusted for Ties	54.4558

Basic Statistics
Parameter: Cobalt
Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Measurements	452
Total Non-Detects	263 (58.1858%)
Pooled Mean	18.5272
Pooled Std Dev	18.3562
Compliance Meas.	384
Compliance Mean	20.0555
Compliance Std Dev	19.5156
Background Meas.	68
Background Mean	9.89706
Background Std Dev	1.41569

Background Locations
There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	35	32	91.4286	336
MW-14	33	31	93.9394	337

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-13	9.6	1.64853	0	5047	144.2
MW-14	10.2121	1.05349	0	4711	142.758

Compliance Locations
There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
II-1	37	3	8.10811	1605.6
II-2	37	30	81.0811	413
II-3	37	5	13.5135	1047.5
II-4	36	16	44.4444	576.1
II-5	36	12	33.3333	445
II-8	35	30	85.7143	489
I-5	34	9	26.4706	1112.2
II-6	33	6	18.1818	872.7
II-7	34	31	91.1765	325.6
II-7B	21	21	100	210
II-10	11	11	100	110
II-11	11	10	90.9091	112
II-12	11	5	45.4545	272.6
II-9	11	11	100	110

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	Rank Mean
II-1	43.3946	32.397	33.4975	3.09666	13680	369.73
II-2	11.1622	5.60512	1.2651	3.09666	6184	167.135
II-3	28.3108	20.1796	18.4138	3.09666	12281	331.919
II-4	16.0028	14.632	6.10572	3.12439	8786	244.056
II-5	12.3611	8.03557	2.46405	3.12439	9049	251.361
II-8	13.9714	17.0078	4.07437	3.15344	5716	163.314
I-5	32.7118	20.7587	22.8147	3.18391	11008	323.765
II-6	26.4455	17.7668	16.5484	3.21591	10664	323.152
II-7	9.57647	2.00666	-0.320588	3.18391	4931	145.029
II-7B	10	0	0.102941	3.78429	2772	132
II-10	10	0	0.102941	4.92625	1452	132
II-11	10.1818	0.603023	0.284759	4.92625	1626	147.818
II-12	24.7818	15.6004	14.8848	4.92625	3019	274.455
II-9	10	0	0.102941	4.92625	1452	132

Analysis of Variance Statistics

SS Wells	51781.4
SS Total	151965

Kruskal-Wallis Statistics

Non-Detect Rank	132
Background Rank Sum	9758
Background Rank Mean	143.5
H Statistic	191.945
H Adjusted for Ties	239.032

Basic Statistics

Parameter: Copper

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements	452
Total Non-Detects	380 (84.0708%)
Pooled Mean	182.467
Pooled Std Dev	75.2509
Compliance Meas.	384
Compliance Mean	182.375
Compliance Std Dev	78.3352
Background Meas.	68
Background Mean	182.985
Background Std Dev	55.127

Background Locations

There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	35	30	85.7143	6040.2
MW-14	33	32	96.9697	6402.8

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-13	172.577	68.1887	0	7744	221.257
MW-14	194.024	34.3281	0	6491	196.697

Compliance Locations

There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
II-1	37	23	62.1622	7020.36
II-2	37	33	89.1892	6666
II-3	37	29	78.3784	6510.31
II-4	36	28	77.7778	6217.39
II-5	36	29	80.5556	6201.71
II-8	35	30	85.7143	6507.2
I-5	34	25	73.5294	6649.4
II-6	33	31	93.9394	6209.4
II-7	34	29	85.2941	5829.41
II-7B	21	18	85.7143	3607.02
II-10	11	11	100	2200
II-11	11	11	100	2200
II-12	11	10	90.9091	2013.9
II-9	11	11	100	2200

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	Rank Mean
II-1	189.739	134.839	6.75417	15.5036	10367.5	280.203
II-2	180.162	57.9341	-2.82313	15.5036	7934.5	214.446
II-3	175.954	77.7725	-7.03097	15.5036	8845.5	239.068
II-4	172.705	76.1113	-10.28	15.6424	8700	241.667
II-5	172.27	79.5761	-10.7156	15.6424	8407.5	233.542
II-8	185.92	74.141	2.93471	15.7878	7785	222.429
I-5	195.571	102.454	12.5853	15.9404	8669.5	254.985
II-6	188.164	47.3283	5.17834	16.1006	6703.5	203.136
II-7	171.453	69.8322	-11.5321	15.9404	7515.5	221.044
II-7B	171.763	70.8748	-11.2224	18.9462	4604	219.238
II-10	200	0	17.0147	24.6635	2095.5	190.5
II-11	200	0	17.0147	24.6635	2095.5	190.5
II-12	183.082	56.1113	0.0965241	24.6635	2324	211.273
II-9	200	0	17.0147	24.6635	2095.5	190.5

Analysis of Variance Statistics

SS Wells	42733
SS Total	2.55387e+006

Kruskal-Wallis Statistics

Non-Detect Rank	190.5
Background Rank Sum	14235
Background Rank Mean	209.338
H Statistic	14.1617
H Adjusted for Ties	34.8984

Basic Statistics
Parameter: Lead
Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Measurements	452
Total Non-Detects	417 (92.2566%)
Pooled Mean	9.91394
Pooled Std Dev	1.63815
Compliance Meas.	384
Compliance Mean	9.91953
Compliance Std Dev	1.70786
Background Meas.	68
Background Mean	9.88235
Background Std Dev	1.17853

Background Locations
There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	35	31	88.5714	337
MW-14	33	29	87.8788	335

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-13	9.62857	1.55461	0	8203	234.371
MW-14	10.1515	0.441674	0	7829	237.242

Compliance Locations
There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
II-1	37	32	86.4865	353.9
II-2	37	35	94.5946	360.2
II-3	37	34	91.8919	368.3
II-4	36	32	88.8889	343.93
II-5	36	32	88.8889	376.5
II-8	35	34	97.1429	343.1
I-5	34	32	94.1176	346
II-6	33	32	96.9697	330
II-7	34	31	91.1765	341.37
II-7B	21	21	100	210
II-10	11	11	100	110
II-11	11	11	100	110
II-12	11	9	81.8182	105.8
II-9	11	11	100	110

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	Rank Mean
II-1	9.56486	2.5966	-0.317488	0.33601	8839	238.892
II-2	9.73514	1.20927	-0.147218	0.33601	8173	220.892
II-3	9.95405	1.31034	0.0717011	0.33601	8423	227.649
II-4	9.55361	2.19057	-0.328742	0.339019	8407	233.528
II-5	10.4583	3.2719	0.57598	0.339019	8448	234.667
II-8	9.80286	1.16631	-0.0794958	0.342171	7531	215.171
I-5	10.1765	1.42426	0.294118	0.345477	7571	222.676
II-6	10	0	0.117647	0.34895	7124	215.879
II-7	10.0403	1.31865	0.157941	0.345477	7795	229.265
II-7B	10	0	0.117647	0.410624	4389	209
II-10	10	0	0.117647	0.534535	2299	209
II-11	10	0	0.117647	0.534535	2299	209
II-12	9.61818	1.44001	-0.264171	0.534535	2749	249.909
II-9	10	0	0.117647	0.534535	2299	209

Analysis of Variance Statistics

SS Wells	30.7317
SS Total	1210.27

Kruskal-Wallis Statistics

Non-Detect Rank	209
Background Rank Sum	16032
Background Rank Mean	235.765
H Statistic	2.83929
H Adjusted for Ties	13.2196

Basic Statistics

Parameter: Mercury

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements	423
Total Non-Detects	415 (98.1087%)
Pooled Mean	0.509544
Pooled Std Dev	0.153823
Compliance Meas.	358
Compliance Mean	0.511277
Compliance Std Dev	0.167183
Background Meas.	65
Background Mean	0.5
Background Std Dev	0

Background Locations

There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	32	32	100	16
MW-14	33	33	100	16.5

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-13	0.5	0	0	6656	208
MW-14	0.5	0	0	6864	208

Compliance Locations

There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
I-5	33	32	96.9697	19
II-1	33	32	96.9697	16.0541
II-2	33	33	100	16
II-3	33	32	96.9697	16.144
II-4	33	33	100	16.5
II-5	33	30	90.9091	18.9
II-6	33	33	100	16.5
II-7	33	32	96.9697	17.2
II-8	33	32	96.9697	16.239
II-7B	17	17	100	8.5
II-10	11	11	100	5.5
II-11	11	11	100	5.5
II-12	11	11	100	5.5
II-9	11	11	100	5.5

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	Rank Mean
I-5	0.575758	0.435194	0.0757576	0.0328709	7079	214.515
II-1	0.486488	0.0776212	-0.0135121	0.0328709	7072	214.303
II-2	0.484848	0.0870388	-0.0151515	0.0328709	6864	208
II-3	0.489212	0.0619716	-0.0107879	0.0328709	7073	214.333
II-4	0.5	0	0	0.0328709	6864	208
II-5	0.572727	0.277571	0.0727273	0.0328709	7502	227.333
II-6	0.5	0	0	0.0328709	6864	208
II-7	0.521212	0.121854	0.0212121	0.0328709	7076	214.424
II-8	0.492091	0.0454343	-0.00790909	0.0328709	7074	214.364
II-7B	0.5	0	0	0.0418926	3536	208
II-10	0.5	0	0	0.0501379	2288	208
II-11	0.5	0	0	0.0501379	2288	208
II-12	0.5	0	0	0.0501379	2288	208
II-9	0.5	0	0	0.0501379	2288	208

Analysis of Variance Statistics

SS Wells	0.359763
SS Total	9.98515

Kruskal-Wallis Statistics

Non-Detect Rank	208
Background Rank Sum	13520
Background Rank Mean	208
H Statistic	0.822991
H Adjusted for Ties	14.783

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

Total Measurements	452
Total Non-Detects	339 (75%)
Pooled Mean	48.5966
Pooled Std Dev	48.0193
Compliance Meas.	384
Compliance Mean	50.4769
Compliance Std Dev	51.207
Background Meas.	68
Background Mean	37.9782
Background Std Dev	19.936

Background Locations
There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	35	28	80	1164.22
MW-14	33	27	81.8182	1418.3

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-13	33.2634	13.8154	0	7257	207.343
MW-14	42.9788	24.0678	0	6915	209.545

Compliance Locations
There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
II-1	37	22	59.4595	2046
II-2	37	25	67.5676	2022.26
II-3	37	26	70.2703	2030.67
II-4	36	18	50	2802.7
II-5	36	25	69.4444	1254.55
II-8	35	27	77.1429	1935.34
I-5	34	26	76.4706	2242
II-6	33	26	78.7879	1316.67
II-7	34	30	88.2353	1265
II-7B	21	16	76.1905	697.84
II-10	11	11	100	440
II-11	11	11	100	440
II-12	11	10	90.9091	450.1
II-9	11	11	100	440

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	Rank Mean
II-1	55.2973	50.6008	17.3191	9.59494	9822	265.459
II-2	54.6557	42.8081	16.6774	9.59494	9131	246.784
II-3	54.883	54.0004	16.9047	9.59494	8844	239.027
II-4	77.8528	90.7199	39.8745	9.68086	10536	292.667
II-5	34.8486	15.1728	-3.12962	9.68086	8362	232.278
II-8	55.2954	71.846	17.3172	9.77087	7762	221.771
I-5	65.9412	75.5585	27.9629	9.86527	7791	229.147
II-6	39.8991	15.2849	1.92086	9.96442	7108	215.394
II-7	37.2059	9.47923	-0.772353	9.86527	6566	193.118
II-7B	33.2305	12.4884	-4.74776	11.7256	4577	217.952
II-10	40	0	2.02176	15.2639	1870	170
II-11	40	0	2.02176	15.2639	1870	170
II-12	40.9182	3.04526	2.93995	15.2639	2097	190.636
II-9	40	0	2.02176	15.2639	1870	170

Analysis of Variance Statistics

SS Wells	78122
SS Total	1.03994e+006

Kruskal-Wallis Statistics

Non-Detect Rank	170
Background Rank Sum	14172
Background Rank Mean	208.412
H Statistic	24.7469
H Adjusted for Ties	42.8052

Basic Statistics
Parameter: Zinc
Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Measurements	452
Total Non-Detects	336 (74.3363%)
Pooled Mean	60.6316
Pooled Std Dev	57.4311
Compliance Meas.	384
Compliance Mean	62.2876
Compliance Std Dev	60.2943
Background Meas.	68
Background Mean	51.2803
Background Std Dev	36.2801

Background Locations
There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	35	27	77.1429	1499.76
MW-14	33	26	78.7879	1987.3

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-13	42.8503	15.567	0	7441.5	212.614
MW-14	60.2212	48.3555	0	7188	217.818

Compliance Locations
There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
II-1	37	23	62.1622	2769.1
II-2	37	29	78.3784	2486.88
II-3	37	25	67.5676	2000.91
II-4	36	16	44.4444	3152.8
II-5	36	25	69.4444	1828.7
II-8	35	23	65.7143	2388.73
I-5	34	26	76.4706	2514
II-6	33	24	72.7273	1957.7
II-7	34	30	88.2353	1658.1
II-7B	21	21	100	1050
II-10	11	11	100	550
II-11	11	11	100	550
II-12	11	8	72.7273	461.5
II-9	11	11	100	550

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	Rank Mean
II-1	74.8405	78.5007	23.5602	11.6311	9535.5	257.716
II-2	67.213	68.6348	15.9327	11.6311	8112.5	219.257
II-3	54.0786	44.8174	2.79835	11.6311	8800.5	237.851
II-4	87.5778	96.4751	36.2975	11.7353	10873	302.028
II-5	50.7972	26.2477	-0.483072	11.7353	8422.5	233.958
II-8	68.2494	93.3048	16.9691	11.8444	8559.5	244.557
I-5	73.9412	72.14	22.6609	11.9588	7707	226.676
II-6	59.3242	36.9414	8.04395	12.079	7640	231.515
II-7	48.7676	9.20509	-2.51265	11.9588	6563	193.029
II-7B	50	0	-1.28029	14.2139	3538.5	168.5
II-10	50	0	-1.28029	18.5031	1853.5	168.5
II-11	50	0	-1.28029	18.5031	1853.5	168.5
II-12	41.9545	15.7376	-9.32575	18.5031	2436	221.455
II-9	50	0	-1.28029	18.5031	1853.5	168.5

Analysis of Variance Statistics

SS Wells	74191.3
SS Total	1.48755e+006

Kruskal-Wallis Statistics

Non-Detect Rank	168.5
Background Rank Sum	14629.5
Background Rank Mean	215.14
H Statistic	28.7857
H Adjusted for Ties	48.8533

Basic Statistics
Parameter: Vinyl chloride
Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Measurements	468
Total Non-Detects	455 (97.2222%)
Pooled Mean	10.0112
Pooled Std Dev	4.01934
Compliance Meas.	398
Compliance Mean	10.0132
Compliance Std Dev	4.35931
Background Meas.	70
Background Mean	10
Background Std Dev	0

Background Locations
There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	36	36	100	360
MW-14	34	34	100	340

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-13	10	0	0	8208	228
MW-14	10	0	0	7752	228

Compliance Locations
There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
II-1	38	35	92.1053	452.73
II-2	38	33	86.8421	348.7
II-3	38	36	94.7368	360.91
II-4	37	37	100	370
II-5	37	37	100	370
II-8	36	36	100	360
I-5	35	35	100	350
II-6	34	34	100	340
II-7	35	33	94.2857	330.92
II-7B	22	22	100	220
II-10	12	12	100	120
II-11	12	12	100	120
II-12	12	12	100	120
II-9	12	11	91.6667	122

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	Rank Mean
II-1	11.9139	13.5933	1.91395	0.813049	9374	246.684
II-2	9.17632	2.17199	-0.823684	0.813049	9839	258.921
II-3	9.49763	2.15998	-0.502368	0.813049	9122	240.053
II-4	10	0	0	0.82014	8436	228
II-5	10	0	0	0.82014	8436	228
II-8	10	0	0	0.827558	8208	228
I-5	10	0	0	0.835329	7980	228
II-6	10	0	0	0.843479	7752	228
II-7	9.45486	2.24671	-0.545143	0.835329	8440	241.143
II-7B	10	0	0	0.986233	5016	228
II-10	10	0	0	1.2607	2736	228
II-11	10	0	0	1.2607	2736	228
II-12	10	0	0	1.2607	2736	228
II-9	10.1667	0.57735	0.166667	1.2607	2975	247.917

Analysis of Variance Statistics

SS Wells	185.248
SS Total	7544.44

Kruskal-Wallis Statistics

Non-Detect Rank	228
Background Rank Sum	15960
Background Rank Mean	228
H Statistic	2.52315
H Adjusted for Ties	31.1345

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

Total Measurements	468
Total Non-Detects	438 (93.5897%)
Pooled Mean	5.66795
Pooled Std Dev	3.471
Compliance Meas.	398
Compliance Mean	5.78543
Compliance Std Dev	3.75228
Background Meas.	70
Background Mean	5
Background Std Dev	0

Background Locations
There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	36	36	100	180
MW-14	34	34	100	170

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-13	5	0	0	7902	219.5
MW-14	5	0	0	7463	219.5

Compliance Locations
There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
II-1	38	37	97.3684	223
II-2	38	10	26.3158	446.6
II-3	38	38	100	190
II-4	37	37	100	185
II-5	37	37	100	185
II-8	36	36	100	180
I-5	35	35	100	175
II-6	34	33	97.0588	193
II-7	35	35	100	175
II-7B	22	22	100	110
II-10	12	12	100	60
II-11	12	12	100	60
II-12	12	12	100	60
II-9	12	12	100	60

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	Rank Mean
II-1	5.86842	5.35331	0.868421	0.603766	8589.5	226.039
II-2	11.7526	8.19429	6.75263	0.603766	14867	391.237
II-3	5	0	0	0.603766	8341	219.5
II-4	5	0	0	0.609031	8121.5	219.5
II-5	5	0	0	0.609031	8121.5	219.5
II-8	5	0	0	0.61454	7902	219.5
I-5	5	0	0	0.62031	7682.5	219.5
II-6	5.67647	3.94447	0.676471	0.626362	7708.5	226.721
II-7	5	0	0	0.62031	7682.5	219.5
II-7B	5	0	0	0.732371	4829	219.5
II-10	5	0	0	0.936191	2634	219.5
II-11	5	0	0	0.936191	2634	219.5
II-12	5	0	0	0.936191	2634	219.5
II-9	5	0	0	0.936191	2634	219.5

Analysis of Variance Statistics

SS Wells	1568.14
SS Total	5626.34

Kruskal-Wallis Statistics

Non-Detect Rank	219.5
Background Rank Sum	15365
Background Rank Mean	219.5
H Statistic	55.7024
H Adjusted for Ties	309.038

Basic Statistics

Parameter: 1,1-Dichloroethane

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements	468
Total Non-Detects	348 (74.359%)
Pooled Mean	9.36224
Pooled Std Dev	25.7482
Compliance Meas.	398
Compliance Mean	10.1295
Compliance Std Dev	27.8553
Background Meas.	70
Background Mean	5
Background Std Dev	0

Background Locations

There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	36	36	100	180
MW-14	34	34	100	170

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-13	5	0	0	6282	174.5
MW-14	5	0	0	5933	174.5

Compliance Locations

There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
II-1	38	27	71.0526	344.3
II-2	38	18	47.3684	338.8
II-3	38	27	71.0526	230.9
II-4	37	32	86.4865	169.9
II-5	37	11	29.7297	310.52
II-8	36	26	72.2222	165.9
I-5	35	29	82.8571	218.1
II-6	34	34	100	170
II-7	35	11	31.4286	1725.62
II-7B	22	16	72.7273	97.49
II-10	12	12	100	60
II-11	12	12	100	60
II-12	12	12	100	60
II-9	12	11	91.6667	80

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	Rank Mean
II-1	9.06053	15.7804	4.06053	4.72013	9118.5	239.961
II-2	8.91579	4.73974	3.91579	4.72013	11666	307
II-3	6.07632	2.34998	1.07632	4.72013	9168.5	241.276
II-4	4.59189	1.06259	-0.408108	4.76129	7405	200.135
II-5	8.39243	5.02244	3.39243	4.76129	12575.5	339.878
II-8	4.60833	1.57985	-0.391667	4.80436	8246	229.056
I-5	6.23143	3.24661	1.23143	4.84947	7616.5	217.614
II-6	5	0	0	4.89678	5933	174.5
II-7	49.3034	83.3102	44.3034	4.84947	12151.5	347.186
II-7B	4.43136	1.36274	-0.568636	5.72554	4995	227.045
II-10	5	0	0	7.31897	2094	174.5
II-11	5	0	0	7.31897	2094	174.5
II-12	5	0	0	7.31897	2094	174.5
II-9	6.66667	5.7735	1.66667	7.31897	2373.5	197.792

Analysis of Variance Statistics

SS Wells	61576.4
SS Total	309606

Kruskal-Wallis Statistics

Non-Detect Rank	174.5
Background Rank Sum	12215
Background Rank Mean	174.5
H Statistic	89.3364
H Adjusted for Ties	151.713

Basic Statistics

Parameter: cis-1,2-Dichloroethene (-ethylene)

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements	468
Total Non-Detects	429 (91.6667%)
Pooled Mean	6.86904
Pooled Std Dev	14.1092
Compliance Meas.	398
Compliance Mean	7.19776
Compliance Std Dev	15.279
Background Meas.	70
Background Mean	5
Background Std Dev	0

Background Locations

There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	36	36	100	180
MW-14	34	34	100	170

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-13	5	0	0	7740	215
MW-14	5	0	0	7310	215

Compliance Locations

There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
II-1	38	33	86.8421	188.51
II-2	38	28	73.6842	233.8
II-3	38	35	92.1053	176.5
II-4	37	35	94.5946	175.96
II-5	37	37	100	185
II-8	36	36	100	180
I-5	35	35	100	175
II-6	34	34	100	170
II-7	35	19	54.2857	945.54
II-7B	22	22	100	110
II-10	12	12	100	60
II-11	12	12	100	60
II-12	12	12	100	60
II-9	12	9	75	144.4

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	Rank Mean
II-1	4.96079	1.52356	-0.0392105	2.6297	9308	244.947
II-2	6.15263	2.93909	1.15263	2.6297	10507	276.5
II-3	4.64474	1.22977	-0.355263	2.6297	8822	232.158
II-4	4.75568	1.03618	-0.244324	2.65264	8388	226.703
II-5	5	0	0	2.65264	7955	215
II-8	5	0	0	2.67663	7740	215
I-5	5	0	0	2.70176	7525	215
II-6	5	0	0	2.72812	7310	215
II-7	27.0154	46.8373	22.0154	2.70176	11361	324.6
II-7B	5	0	0	3.18984	4730	215
II-10	5	0	0	4.07759	2580	215
II-11	5	0	0	4.07759	2580	215
II-12	5	0	0	4.07759	2580	215
II-9	12.0333	13.1383	7.03333	4.07759	3310	275.833

Analysis of Variance Statistics

SS Wells	15980.1
SS Total	92965.8

Kruskal-Wallis Statistics

Non-Detect Rank	215
Background Rank Sum	15050
Background Rank Mean	215
H Statistic	26.2936
H Adjusted for Ties	114.446

Basic Statistics

Parameter: Benzene

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements	468
Total Non-Detects	445 (95.0855%)
Pooled Mean	4.94261
Pooled Std Dev	0.826314
Compliance Meas.	398
Compliance Mean	4.93251
Compliance Std Dev	0.895826
Background Meas.	70
Background Mean	5
Background Std Dev	0

Background Locations

There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	36	36	100	180
MW-14	34	34	100	170

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-13	5	0	0	8028	223
MW-14	5	0	0	7582	223

Compliance Locations

There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
II-1	38	33	86.8421	180.1
II-2	38	33	86.8421	173.1
II-3	38	36	94.7368	181.22
II-4	37	37	100	185
II-5	37	37	100	185
II-8	36	36	100	180
I-5	35	35	100	175
II-6	34	30	88.2353	161.6
II-7	35	28	80	192.12
II-7B	22	22	100	110
II-10	12	12	100	60
II-11	12	12	100	60
II-12	12	12	100	60
II-9	12	12	100	60

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	Rank Mean
II-1	4.73947	1.12094	-0.260526	0.163564	9632	253.474
II-2	4.55526	1.16031	-0.444737	0.163564	9632	253.474
II-3	4.76895	0.993652	-0.231053	0.163564	8924	234.842
II-4	5	0	0	0.164991	8251	223
II-5	5	0	0	0.164991	8251	223
II-8	5	0	0	0.166483	8028	223
I-5	5	0	0	0.168046	7805	223
II-6	4.75294	0.843957	-0.247059	0.169686	8521	250.618
II-7	5.48914	2.03998	0.489143	0.168046	9482	270.914
II-7B	5	0	0	0.198404	4906	223
II-10	5	0	0	0.253621	2676	223
II-11	5	0	0	0.253621	2676	223
II-12	5	0	0	0.253621	2676	223
II-9	5	0	0	0.253621	2676	223

Analysis of Variance Statistics

SS Wells	21.0317
SS Total	318.865

Kruskal-Wallis Statistics

Non-Detect Rank	223
Background Rank Sum	15610
Background Rank Mean	223
H Statistic	6.57691
H Adjusted for Ties	46.8744

Basic Statistics

Parameter: Tetrachloroethene (-ethylene)

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements	468
Total Non-Detects	434 (92.735%)
Pooled Mean	6.84731
Pooled Std Dev	14.9481
Compliance Meas.	398
Compliance Mean	7.17221
Compliance Std Dev	16.1906
Background Meas.	70
Background Mean	5
Background Std Dev	0

Background Locations

There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	36	36	100	180
MW-14	34	34	100	170

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-13	5	0	0	7830	217.5
MW-14	5	0	0	7395	217.5

Compliance Locations

There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
II-1	38	38	100	190
II-2	38	31	81.5789	185.2
II-3	38	38	100	190
II-4	37	37	100	185
II-5	37	37	100	185
II-8	36	36	100	180
I-5	35	35	100	175
II-6	34	34	100	170
II-7	35	11	31.4286	1056.51
II-7B	22	19	86.3636	97.83
II-10	12	12	100	60
II-11	12	12	100	60
II-12	12	12	100	60
II-9	12	12	100	60

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	Rank Mean
II-1	5	0	0	2.74258	8265	217.5
II-2	4.87368	0.516058	-0.126316	2.74258	9865.5	259.618
II-3	5	0	0	2.74258	8265	217.5
II-4	5	0	0	2.7665	8047.5	217.5
II-5	5	0	0	2.7665	8047.5	217.5
II-8	5	0	0	2.79153	7830	217.5
I-5	5	0	0	2.81774	7612.5	217.5
II-6	5	0	0	2.84523	7395	217.5
II-7	30.186	49.6112	25.186	2.81774	13308.5	380.243
II-7B	4.44682	1.44362	-0.553182	3.32677	5444.5	247.477
II-10	5	0	0	4.25262	2610	217.5
II-11	5	0	0	4.25262	2610	217.5
II-12	5	0	0	4.25262	2610	217.5
II-9	5	0	0	4.25262	2610	217.5

Analysis of Variance Statistics

SS Wells	20612
SS Total	104349

Kruskal-Wallis Statistics

Non-Detect Rank	217.5
Background Rank Sum	15225
Background Rank Mean	217.5
H Statistic	48.0516
H Adjusted for Ties	237.293

Basic Statistics

Parameter: Trichloroethene (-ethylene)

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements	468
Total Non-Detects	448 (95.7265%)
Pooled Mean	6.48887
Pooled Std Dev	12.2818
Compliance Meas.	398
Compliance Mean	6.75073
Compliance Std Dev	13.3034
Background Meas.	70
Background Mean	5
Background Std Dev	0

Background Locations

There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	36	36	100	180
MW-14	34	34	100	170

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-13	5	0	0	8082	224.5
MW-14	5	0	0	7633	224.5

Compliance Locations

There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
II-1	38	36	94.7368	182.81
II-2	38	32	84.2105	185.4
II-3	38	38	100	190
II-4	37	37	100	185
II-5	37	36	97.2973	180.9
II-8	36	36	100	180
I-5	35	35	100	175
II-6	34	34	100	170
II-7	35	24	68.5714	887.68
II-7B	22	22	100	110
II-10	12	12	100	60
II-11	12	12	100	60
II-12	12	12	100	60
II-9	12	12	100	60

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	Rank Mean
II-1	4.81079	0.821628	-0.189211	2.26211	8985	236.447
II-2	4.87895	0.509455	-0.121053	2.26211	9917	260.974
II-3	5	0	0	2.26211	8531	224.5
II-4	5	0	0	2.28184	8306.5	224.5
II-5	4.88919	0.674036	-0.110811	2.28184	8532	230.595
II-8	5	0	0	2.30248	8082	224.5
I-5	5	0	0	2.3241	7857.5	224.5
II-6	5	0	0	2.34677	7633	224.5
II-7	25.3623	40.9146	20.3623	2.3241	10472	299.2
II-7B	5	0	0	2.74395	4939	224.5
II-10	5	0	0	3.5076	2694	224.5
II-11	5	0	0	3.5076	2694	224.5
II-12	5	0	0	3.5076	2694	224.5
II-9	5	0	0	3.5076	2694	224.5

Analysis of Variance Statistics

SS Wells	13476.7
SS Total	70443.8

Kruskal-Wallis Statistics

Non-Detect Rank	224.5
Background Rank Sum	15715
Background Rank Mean	224.5
H Statistic	11.2544
H Adjusted for Ties	91.6447

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

Total Measurements	468
Total Non-Detects	453 (96.7949%)
Pooled Mean	4.90135
Pooled Std Dev	0.59722
Compliance Meas.	398
Compliance Mean	4.88399
Compliance Std Dev	0.646176
Background Meas.	70
Background Mean	5
Background Std Dev	0

Background Locations
There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	36	36	100	180
MW-14	34	34	100	170

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-13	5	0	0	8172	227
MW-14	5	0	0	7718	227

Compliance Locations
There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
II-1	38	35	92.1053	180.7
II-2	38	34	89.4737	172.33
II-3	38	38	100	190
II-4	37	36	97.2973	180.4
II-5	37	37	100	185
II-8	36	32	88.8889	168.2
I-5	35	35	100	175
II-6	34	31	91.1765	167.2
II-7	35	35	100	175
II-7B	22	22	100	110
II-10	12	12	100	60
II-11	12	12	100	60
II-12	12	12	100	60
II-9	12	12	100	60

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	Rank Mean
II-1	4.75526	0.875707	-0.244737	0.11836	9330	245.526
II-2	4.535	1.37442	-0.465	0.11836	9544	251.158
II-3	5	0	0	0.11836	8626	227
II-4	4.87568	0.756235	-0.124324	0.119392	8626	233.135
II-5	5	0	0	0.119392	8399	227
II-8	4.67222	0.941006	-0.327778	0.120472	9114	253.167
I-5	5	0	0	0.121603	7945	227
II-6	4.91765	0.430272	-0.0823529	0.12279	8437	248.147
II-7	5	0	0	0.121603	7945	227
II-7B	5	0	0	0.143571	4994	227
II-10	5	0	0	0.183528	2724	227
II-11	5	0	0	0.183528	2724	227
II-12	5	0	0	0.183528	2724	227
II-9	5	0	0	0.183528	2724	227

Analysis of Variance Statistics

SS Wells	10.608
SS Total	166.566

Kruskal-Wallis Statistics

Non-Detect Rank	227
Background Rank Sum	15890
Background Rank Mean	227
H Statistic	2.74129
H Adjusted for Ties	29.4429

Basic Statistics

Parameter: 1,4-Dichlorobenzene

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements	468
Total Non-Detects	433 (92.5214%)
Pooled Mean	5.14974
Pooled Std Dev	3.47527
Compliance Meas.	398
Compliance Mean	5.17608
Compliance Std Dev	3.7686
Background Meas.	70
Background Mean	5
Background Std Dev	0

Background Locations

There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	36	36	100	180
MW-14	34	34	100	170

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-13	5	0	0	7812	217
MW-14	5	0	0	7378	217

Compliance Locations

There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
II-1	38	25	65.7895	197.1
II-2	38	37	97.3684	185.67
II-3	38	38	100	190
II-4	37	37	100	185
II-5	37	37	100	185
II-8	36	33	91.6667	167.21
I-5	35	28	80	246.8
II-6	34	24	70.5882	176.7
II-7	35	34	97.1429	176.6
II-7B	22	22	100	110
II-10	12	12	100	60
II-11	12	12	100	60
II-12	12	12	100	60
II-9	12	12	100	60

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	Rank Mean
II-1	5.18684	1.1235	0.186842	0.702604	11308	297.579
II-2	4.88605	0.702419	-0.113947	0.702604	8464	222.737
II-3	5	0	0	0.702604	8246	217
II-4	5	0	0	0.708731	8029	217
II-5	5	0	0	0.708731	8029	217
II-8	4.64472	1.19558	-0.355278	0.715142	8468	235.222
I-5	7.05143	12.5414	2.05143	0.721857	9240	264
II-6	5.19706	0.960267	0.197059	0.7289	9745	286.618
II-7	5.04571	0.270449	0.0457143	0.721857	7837	223.914
II-7B	5	0	0	0.852262	4774	217
II-10	5	0	0	1.08945	2604	217
II-11	5	0	0	1.08945	2604	217
II-12	5	0	0	1.08945	2604	217
II-9	5	0	0	1.08945	2604	217

Analysis of Variance Statistics

SS Wells	144.556
SS Total	5640.19

Kruskal-Wallis Statistics

Non-Detect Rank	217
Background Rank Sum	15190
Background Rank Mean	217
H Statistic	19.7029
H Adjusted for Ties	94.7259

Basic Statistics

Parameter: Diethylphthalate

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements	64
Total Non-Detects	61 (95.3125%)
Pooled Mean	1.425
Pooled Std Dev	0.184305
Compliance Meas.	56
Compliance Mean	1.42857
Compliance Std Dev	0.19699
Background Meas.	8
Background Mean	1.4
Background Std Dev	2.37376e-016

Background Locations

There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	4	4	100	5.6
MW-14	4	4	100	5.6

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-13	1.4	0	0	124	31
MW-14	1.4	0	0	124	31

Compliance Locations

There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
I-5	4	4	100	5.6
II-1	4	4	100	5.6
II-10	4	4	100	5.6
II-11	4	4	100	5.6
II-12	4	4	100	5.6
II-2	4	4	100	5.6
II-3	4	4	100	5.6
II-4	4	4	100	5.6
II-5	4	4	100	5.6
II-6	4	2	50	7.6
II-7	4	3	75	5.2
II-7B	4	4	100	5.6
II-8	4	4	100	5.6
II-9	4	4	100	5.6

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	Rank Mean
I-5	1.4	0	-2.22045e-016	0.0943729	124	31
II-1	1.4	0	-2.22045e-016	0.0943729	124	31
II-10	1.4	0	-2.22045e-016	0.0943729	124	31
II-11	1.4	0	-2.22045e-016	0.0943729	124	31
II-12	1.4	0	-2.22045e-016	0.0943729	124	31
II-2	1.4	0	-2.22045e-016	0.0943729	124	31
II-3	1.4	0	-2.22045e-016	0.0943729	124	31
II-4	1.4	0	-2.22045e-016	0.0943729	124	31
II-5	1.4	0	-2.22045e-016	0.0943729	124	31
II-6	1.9	0.583095	0.5	0.0943729	189	47.25
II-7	1.3	0.2	-0.1	0.0943729	155	38.75
II-7B	1.4	0	-2.22045e-016	0.0943729	124	31
II-8	1.4	0	-2.22045e-016	0.0943729	124	31
II-9	1.4	0	-2.22045e-016	0.0943729	124	31

Analysis of Variance Statistics

SS Wells	1
SS Total	2.14

Kruskal-Wallis Statistics

Non-Detect Rank	31
Background Rank Sum	248
Background Rank Mean	31
H Statistic	3.32452
H Adjusted for Ties	24.7807

Basic Statistics

Parameter: 2-Methylnaphthalene

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements	16
Total Non-Detects	15 (93.75%)
Pooled Mean	1.31875
Pooled Std Dev	0.075
Compliance Meas.	14
Compliance Mean	1.32143
Compliance Std Dev	0.0801784
Background Meas.	2
Background Mean	1.3
Background Std Dev	0

Background Locations

There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	1	1	100	1.3
MW-14	1	1	100	1.3

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-13	1.3	0	0	8	8
MW-14	1.3	0	0	8	8

Compliance Locations

There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
I-5	1	1	100	1.3
II-1	1	1	100	1.3
II-10	1	1	100	1.3
II-11	1	1	100	1.3
II-12	1	1	100	1.3
II-2	1	1	100	1.3
II-3	1	1	100	1.3
II-4	1	1	100	1.3
II-5	1	1	100	1.3
II-6	1	0	0	1.6
II-7	1	1	100	1.3
II-7B	1	1	100	1.3
II-8	1	1	100	1.3
II-9	1	1	100	1.3

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	Rank Mean
I-5	1.3	0	0	0	8	8
II-1	1.3	0	0	0	8	8
II-10	1.3	0	0	0	8	8
II-11	1.3	0	0	0	8	8
II-12	1.3	0	0	0	8	8
II-2	1.3	0	0	0	8	8
II-3	1.3	0	0	0	8	8
II-4	1.3	0	0	0	8	8
II-5	1.3	0	0	0	8	8
II-6	1.6	0	0.3	0	16	16
II-7	1.3	0	0	0	8	8
II-7B	1.3	0	0	0	8	8
II-8	1.3	0	0	0	8	8
II-9	1.3	0	0	0	8	8

Analysis of Variance Statistics

SS Wells	0.084375
SS Total	0.084375

Kruskal-Wallis Statistics

Non-Detect Rank	8
Background Rank Sum	16
Background Rank Mean	8
H Statistic	2.64706
H Adjusted for Ties	15

Basic Statistics

Parameter: o-Toluidine

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements	16
Total Non-Detects	15 (93.75%)
Pooled Mean	1.5625
Pooled Std Dev	0.25
Compliance Meas.	14
Compliance Mean	1.57143
Compliance Std Dev	0.267261
Background Meas.	2
Background Mean	1.5
Background Std Dev	0

Background Locations

There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	1	1	100	1.5
MW-14	1	1	100	1.5

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-13	1.5	0	0	8	8
MW-14	1.5	0	0	8	8

Compliance Locations

There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
I-5	1	1	100	1.5
II-1	1	1	100	1.5
II-10	1	1	100	1.5
II-11	1	1	100	1.5
II-12	1	1	100	1.5
II-2	1	1	100	1.5
II-3	1	1	100	1.5
II-4	1	1	100	1.5
II-5	1	1	100	1.5
II-6	1	0	0	2.5
II-7	1	1	100	1.5
II-7B	1	1	100	1.5
II-8	1	1	100	1.5
II-9	1	1	100	1.5

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	Rank Mean
I-5	1.5	0	0	0	8	8
II-1	1.5	0	0	0	8	8
II-10	1.5	0	0	0	8	8
II-11	1.5	0	0	0	8	8
II-12	1.5	0	0	0	8	8
II-2	1.5	0	0	0	8	8
II-3	1.5	0	0	0	8	8
II-4	1.5	0	0	0	8	8
II-5	1.5	0	0	0	8	8
II-6	2.5	0	1	0	16	16
II-7	1.5	0	0	0	8	8
II-7B	1.5	0	0	0	8	8
II-8	1.5	0	0	0	8	8
II-9	1.5	0	0	0	8	8

Analysis of Variance Statistics

SS Wells	0.9375
SS Total	0.9375

Kruskal-Wallis Statistics

Non-Detect Rank	8
Background Rank Sum	16
Background Rank Mean	8
H Statistic	2.64706
H Adjusted for Ties	15

Basic Statistics

Parameter: 3 & 4 Methylphenol

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements	16
Total Non-Detects	15 (93.75%)
Pooled Mean	1.8125
Pooled Std Dev	0.05
Compliance Meas.	14
Compliance Mean	1.81429
Compliance Std Dev	0.0534522
Background Meas.	2
Background Mean	1.8
Background Std Dev	0

Background Locations

There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	1	1	100	1.8
MW-14	1	1	100	1.8

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-13	1.8	0	0	8	8
MW-14	1.8	0	0	8	8

Compliance Locations

There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
I-5	1	1	100	1.8
II-1	1	1	100	1.8
II-10	1	1	100	1.8
II-11	1	1	100	1.8
II-12	1	0	0	2
II-2	1	1	100	1.8
II-3	1	1	100	1.8
II-4	1	1	100	1.8
II-5	1	1	100	1.8
II-6	1	1	100	1.8
II-7	1	1	100	1.8
II-7B	1	1	100	1.8
II-8	1	1	100	1.8
II-9	1	1	100	1.8

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	Rank Mean
I-5	1.8	0	0	0	8	8
II-1	1.8	0	0	0	8	8
II-10	1.8	0	0	0	8	8
II-11	1.8	0	0	0	8	8
II-12	2	0	0.2	0	16	16
II-2	1.8	0	0	0	8	8
II-3	1.8	0	0	0	8	8
II-4	1.8	0	0	0	8	8
II-5	1.8	0	0	0	8	8
II-6	1.8	0	0	0	8	8
II-7	1.8	0	0	0	8	8
II-7B	1.8	0	0	0	8	8
II-8	1.8	0	0	0	8	8
II-9	1.8	0	0	0	8	8

Analysis of Variance Statistics

SS Wells	0.0375
SS Total	0.0375

Kruskal-Wallis Statistics

Non-Detect Rank	8
Background Rank Sum	16
Background Rank Mean	8
H Statistic	2.64706
H Adjusted for Ties	15

Basic Statistics
Parameter: Phenol
Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit

Total Measurements	16
Total Non-Detects	15 (93.75%)
Pooled Mean	1.20625
Pooled Std Dev	0.025
Compliance Meas.	14
Compliance Mean	1.20714
Compliance Std Dev	0.0267261
Background Meas.	2
Background Mean	1.2
Background Std Dev	0

Background Locations
There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	1	1	100	1.2
MW-14	1	1	100	1.2

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-13	1.2	0	0	8	8
MW-14	1.2	0	0	8	8

Compliance Locations
There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
I-5	1	1	100	1.2
II-1	1	1	100	1.2
II-10	1	1	100	1.2
II-11	1	1	100	1.2
II-12	1	0	0	1.3
II-2	1	1	100	1.2
II-3	1	1	100	1.2
II-4	1	1	100	1.2
II-5	1	1	100	1.2
II-6	1	1	100	1.2
II-7	1	1	100	1.2
II-7B	1	1	100	1.2
II-8	1	1	100	1.2
II-9	1	1	100	1.2

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	Rank Mean
I-5	1.2	0	0	0	8	8
II-1	1.2	0	0	0	8	8
II-10	1.2	0	0	0	8	8
II-11	1.2	0	0	0	8	8
II-12	1.3	0	0.1	0	16	16
II-2	1.2	0	0	0	8	8
II-3	1.2	0	0	0	8	8
II-4	1.2	0	0	0	8	8
II-5	1.2	0	0	0	8	8
II-6	1.2	0	0	0	8	8
II-7	1.2	0	0	0	8	8
II-7B	1.2	0	0	0	8	8
II-8	1.2	0	0	0	8	8
II-9	1.2	0	0	0	8	8

Analysis of Variance Statistics

SS Wells	0.009375
SS Total	0.009375

Kruskal-Wallis Statistics

Non-Detect Rank	8
Background Rank Sum	16
Background Rank Mean	8
H Statistic	2.64706
H Adjusted for Ties	15

Basic Statistics

Parameter: 2,4,5,-TP (Silvex)

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Measurements	16
Total Non-Detects	14 (87.5%)
Pooled Mean	0.0824375
Pooled Std Dev	0.0982832
Compliance Meas.	14
Compliance Mean	0.0862143
Compliance Std Dev	0.10499
Background Meas.	2
Background Mean	0.056
Background Std Dev	0

Background Locations

There are 2 background location

Location	Meas.	Non-Detects	% ND	Total
MW-13	1	1	100	0.056
MW-14	1	1	100	0.056

Location	Mean	Std Dev	Std Err	Rank Sum	Rank Mean
MW-13	0.056	0	0	7.5	7.5
MW-14	0.056	0	0	7.5	7.5

Compliance Locations

There are 14 compliance location

Location	Obs.	Non-Detects	% ND	Total
I-5	1	1	100	0.056
II-1	1	1	100	0.056
II-10	1	1	100	0.056
II-11	1	1	100	0.056
II-12	1	1	100	0.056
II-2	1	1	100	0.056
II-3	1	1	100	0.056
II-4	1	1	100	0.056
II-5	1	0	0	0.085
II-6	1	0	0	0.45
II-7	1	1	100	0.056
II-7B	1	1	100	0.056
II-8	1	1	100	0.056
II-9	1	1	100	0.056

Location	Mean	Std Dev	Dif From Bkg	Std Err	Rank Sum	Rank Mean
I-5	0.056	0	0	0	7.5	7.5
II-1	0.056	0	0	0	7.5	7.5
II-10	0.056	0	0	0	7.5	7.5
II-11	0.056	0	0	0	7.5	7.5
II-12	0.056	0	0	0	7.5	7.5
II-2	0.056	0	0	0	7.5	7.5
II-3	0.056	0	0	0	7.5	7.5
II-4	0.056	0	0	0	7.5	7.5
II-5	0.085	0	0.029	0	15	15
II-6	0.45	0	0.394	0	16	16
II-7	0.056	0	0	0	7.5	7.5
II-7B	0.056	0	0	0	7.5	7.5
II-8	0.056	0	0	0	7.5	7.5
II-9	0.056	0	0	0	7.5	7.5

Analysis of Variance Statistics

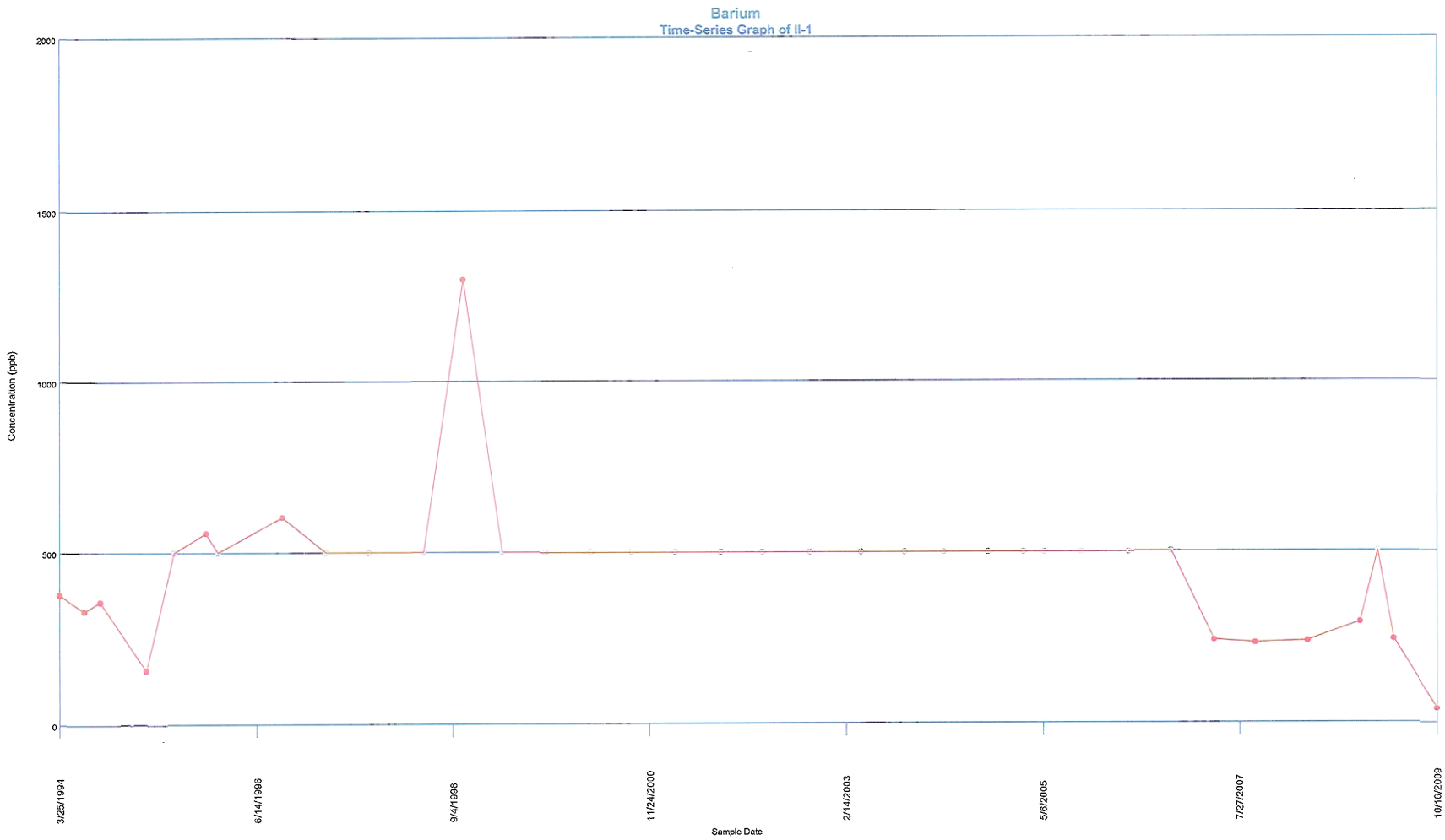
SS Wells	0.144894
SS Total	0.144894

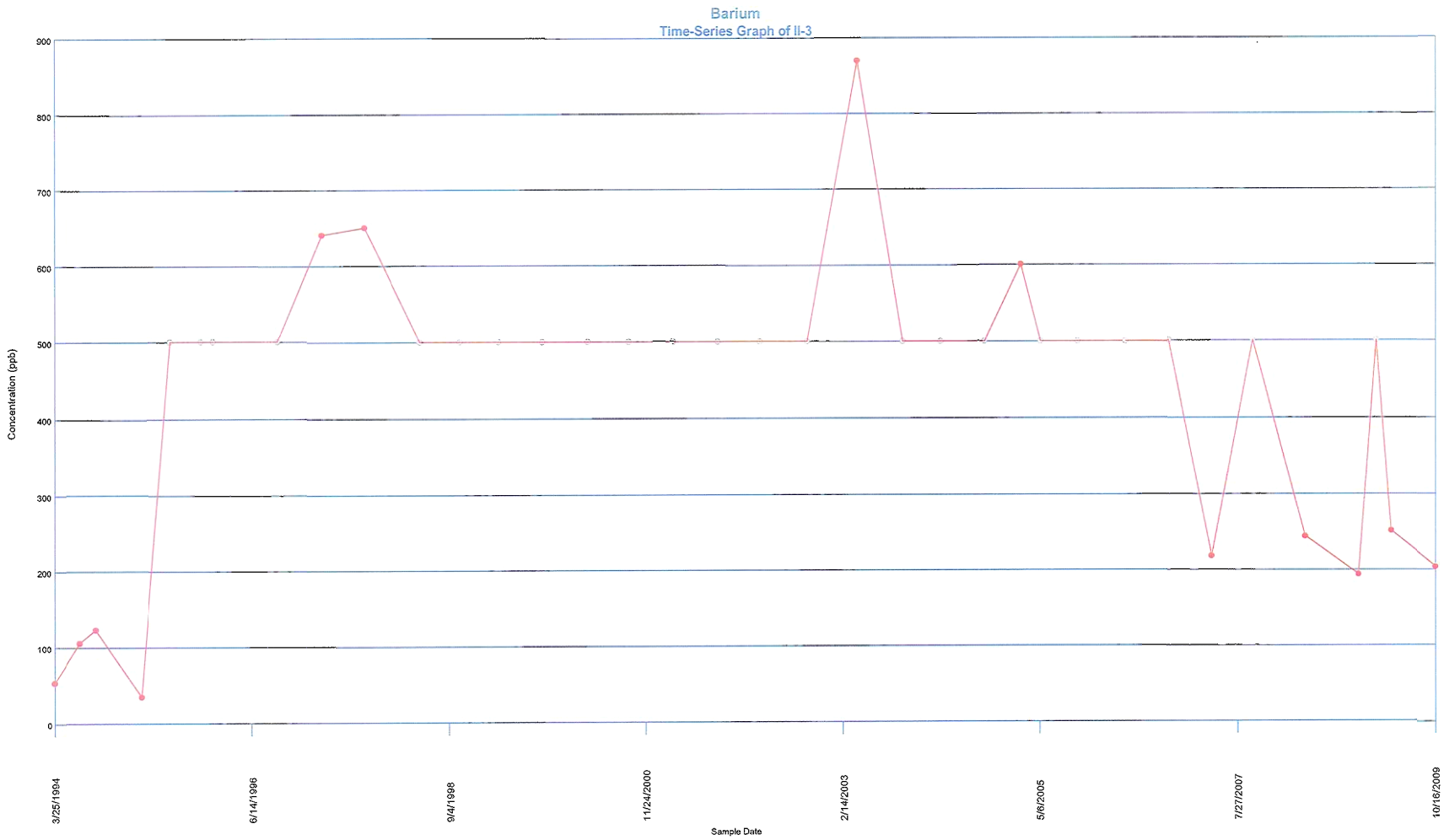
Kruskal-Wallis Statistics

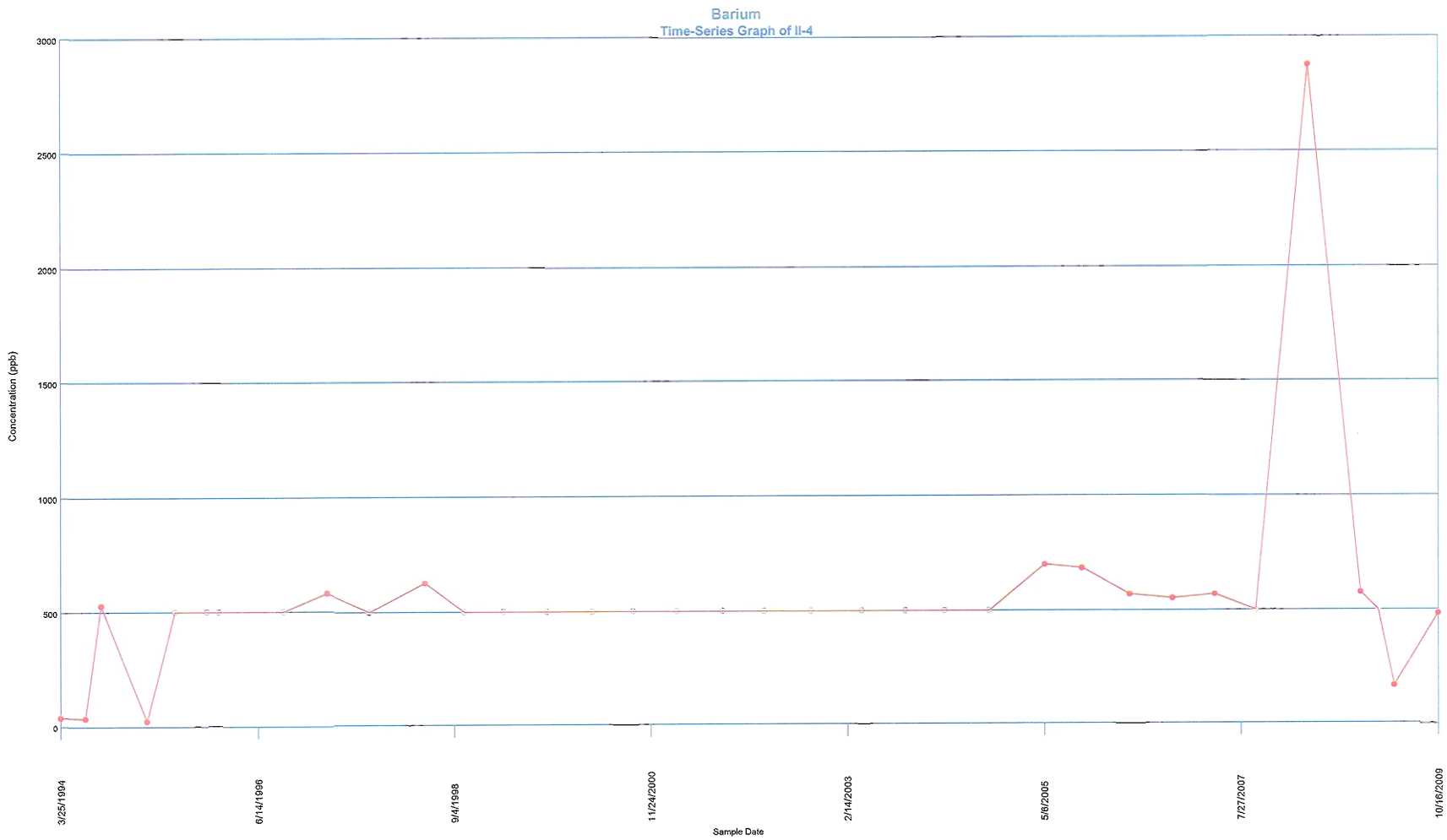
Non-Detect Rank	7.5
Background Rank Sum	15
Background Rank Mean	7.5
H Statistic	4.96324
H Adjusted for Ties	15

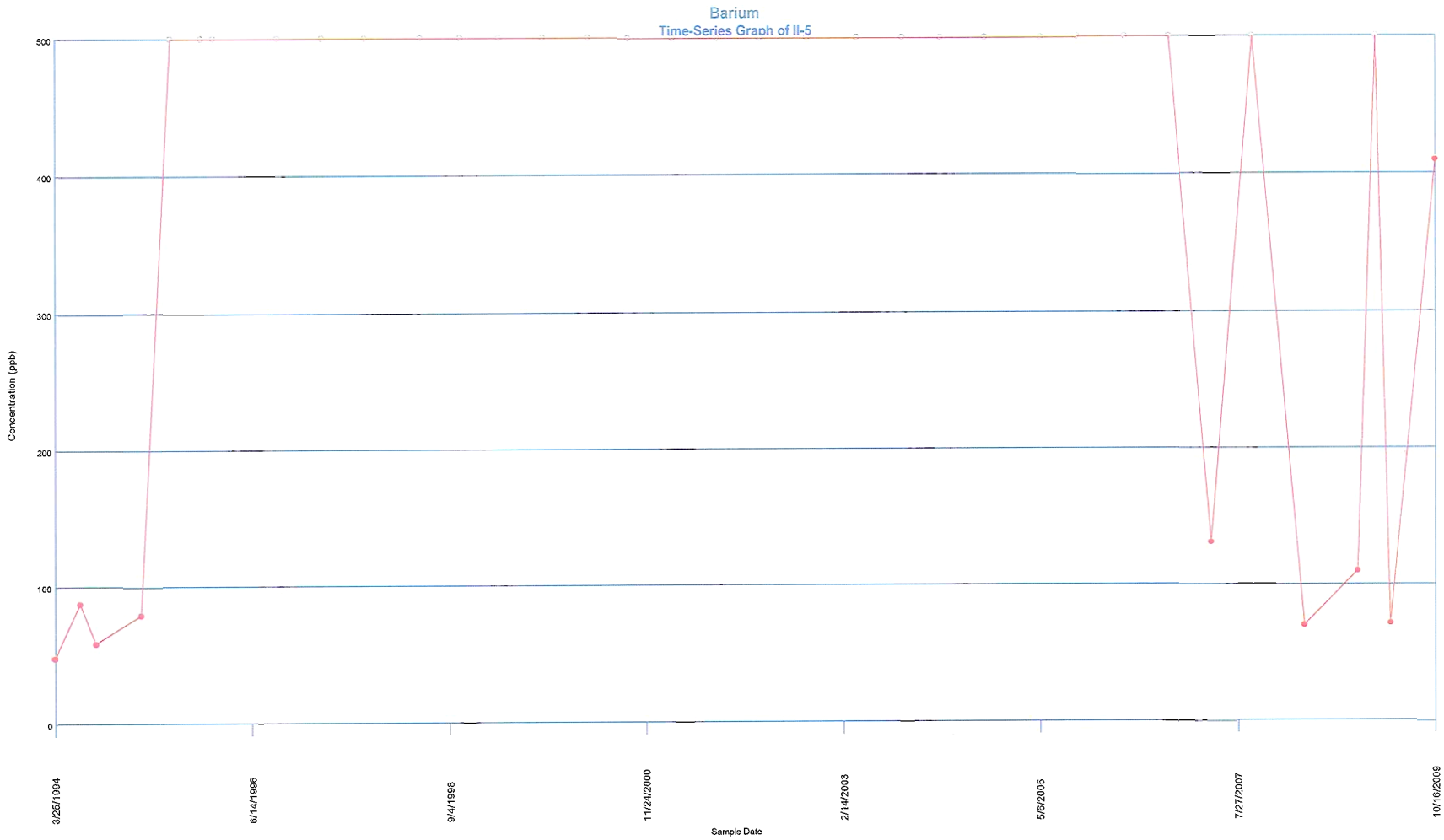
APPENDIX IV

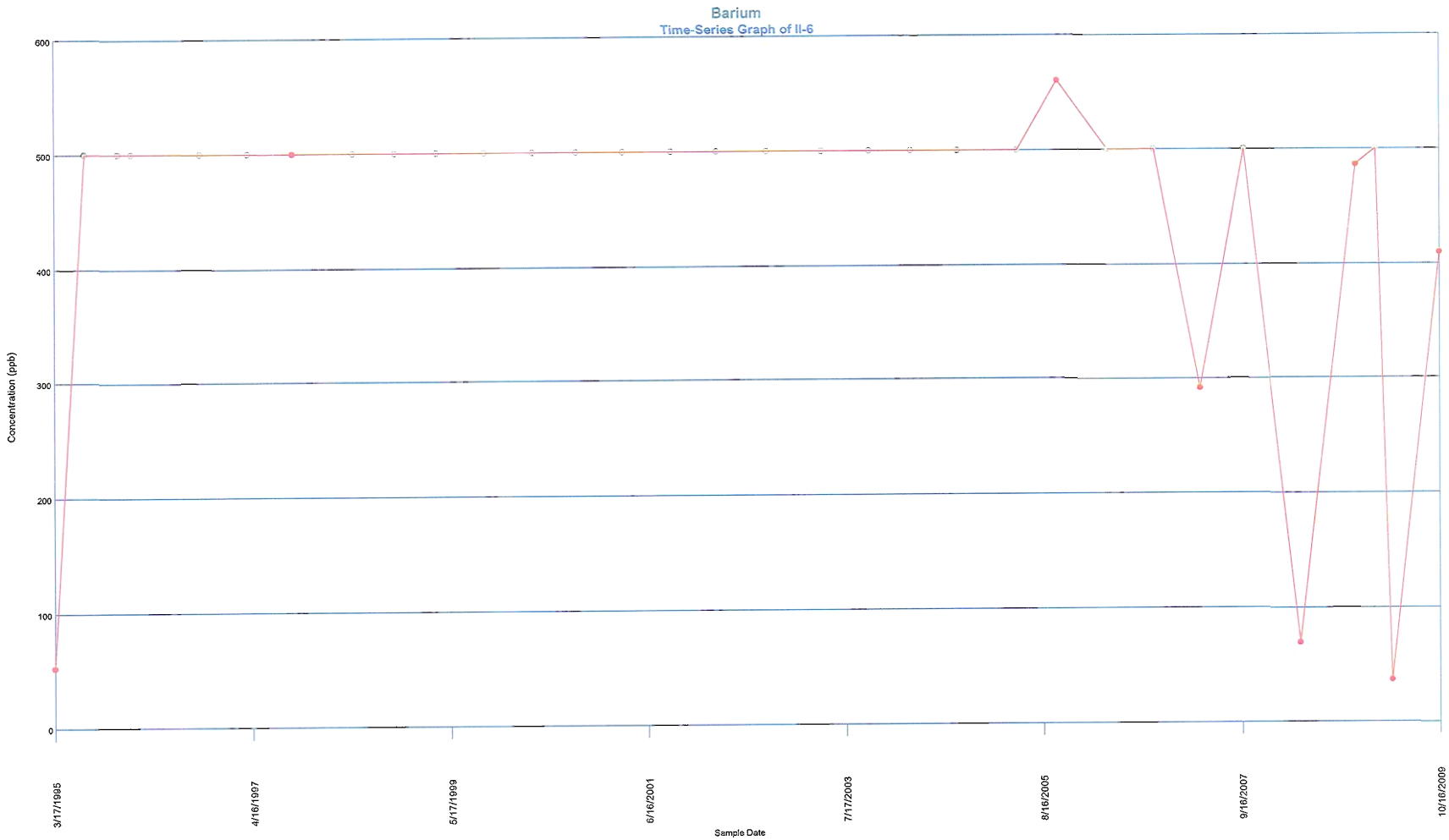
Time vs. Concentration Graphs

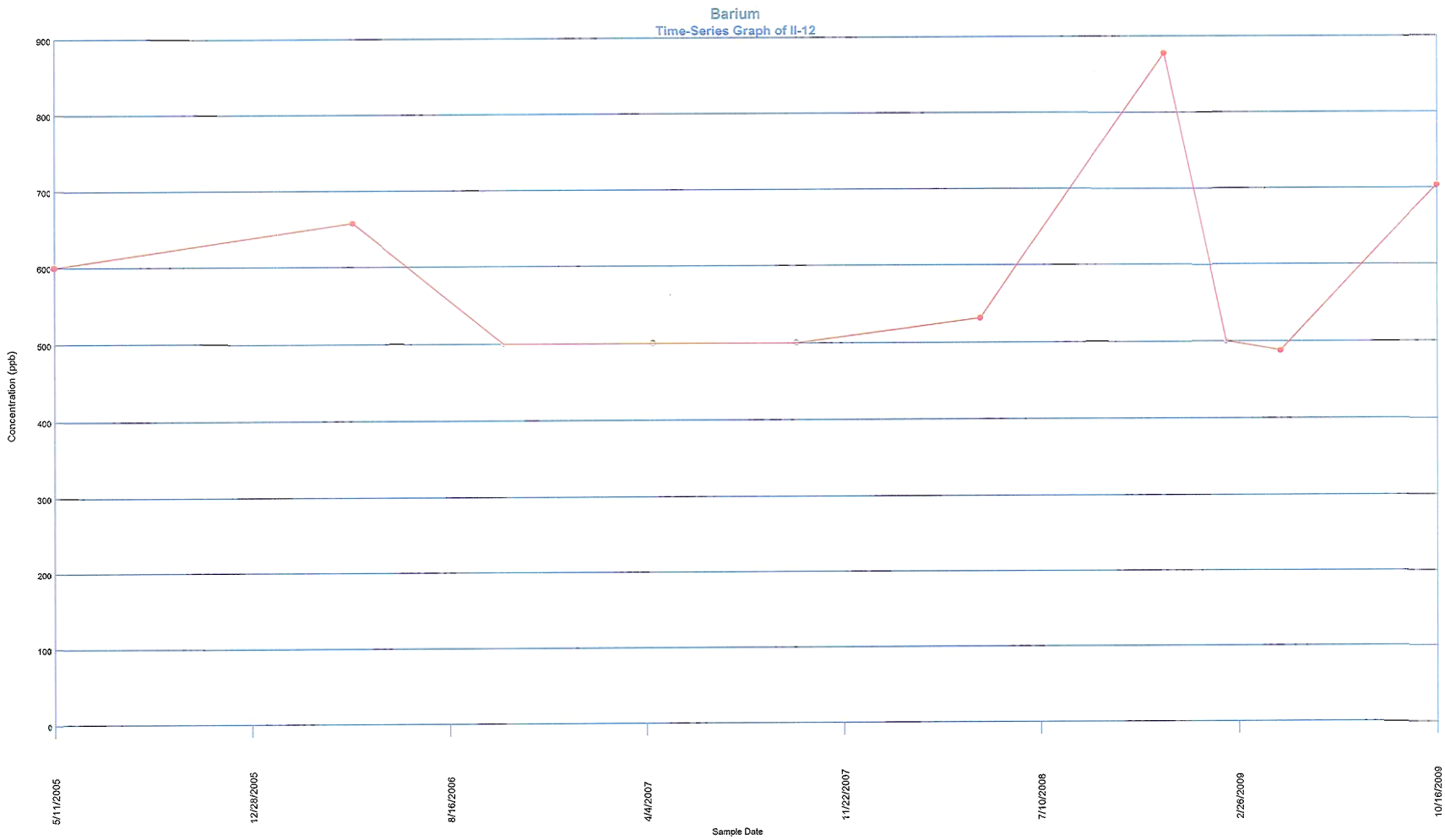

Barium
Time-Series Graph of II-1
Concentration (ppb)
2000
1500
1000
500
0
3/25/1994
6/14/1996
9/4/1998
11/24/2000
2/14/2003
5/6/2005
7/27/2007
10/16/2009
Sample Date

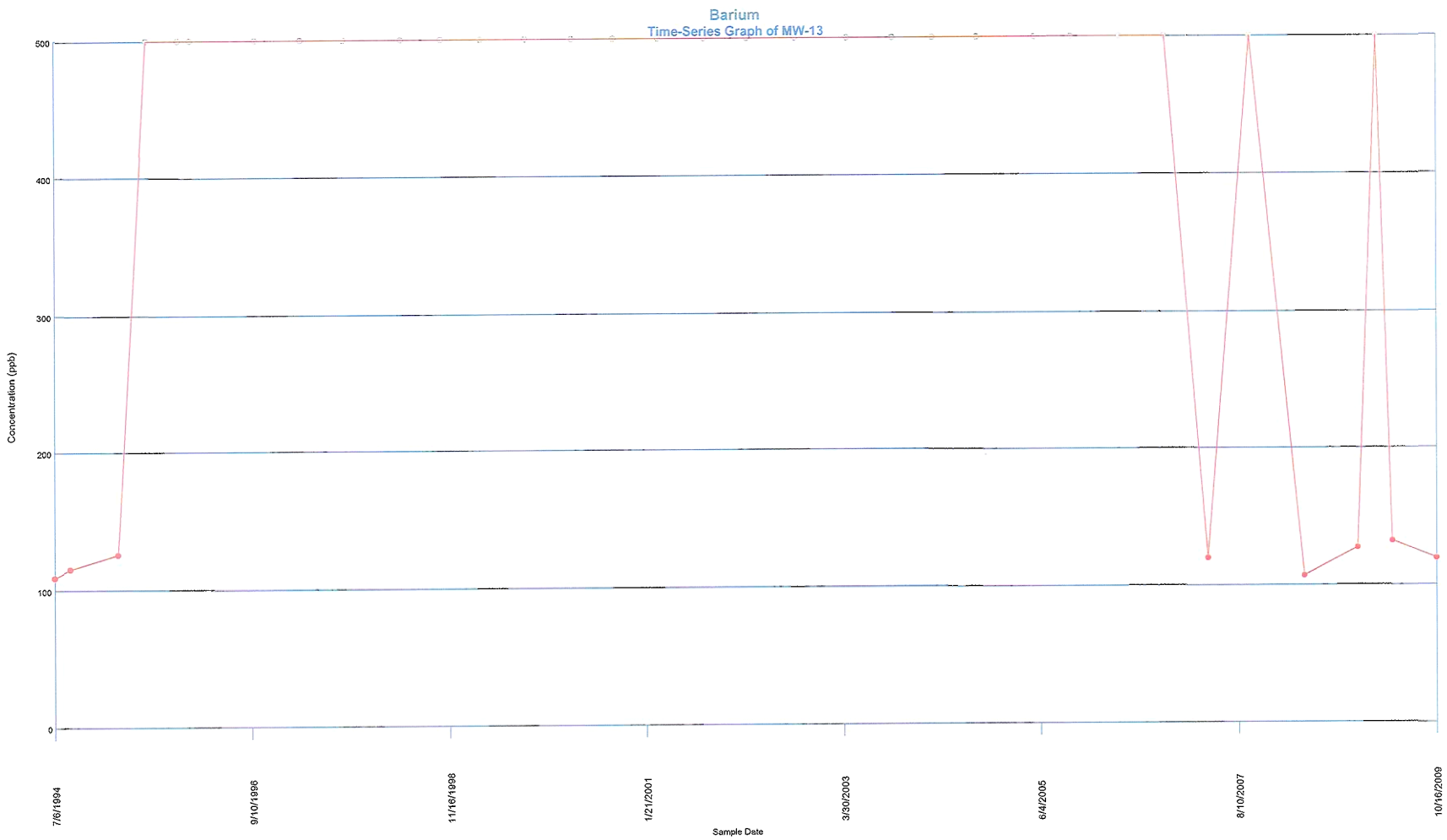

Barium
Time-Series Graph of II-3
Concentration (ppb)
900
800
700
600
500
400
300
200
100
0
3/25/1994
6/14/1996
9/4/1998
11/24/2000
2/14/2003
5/6/2005
7/27/2007
10/16/2009
Sample Date

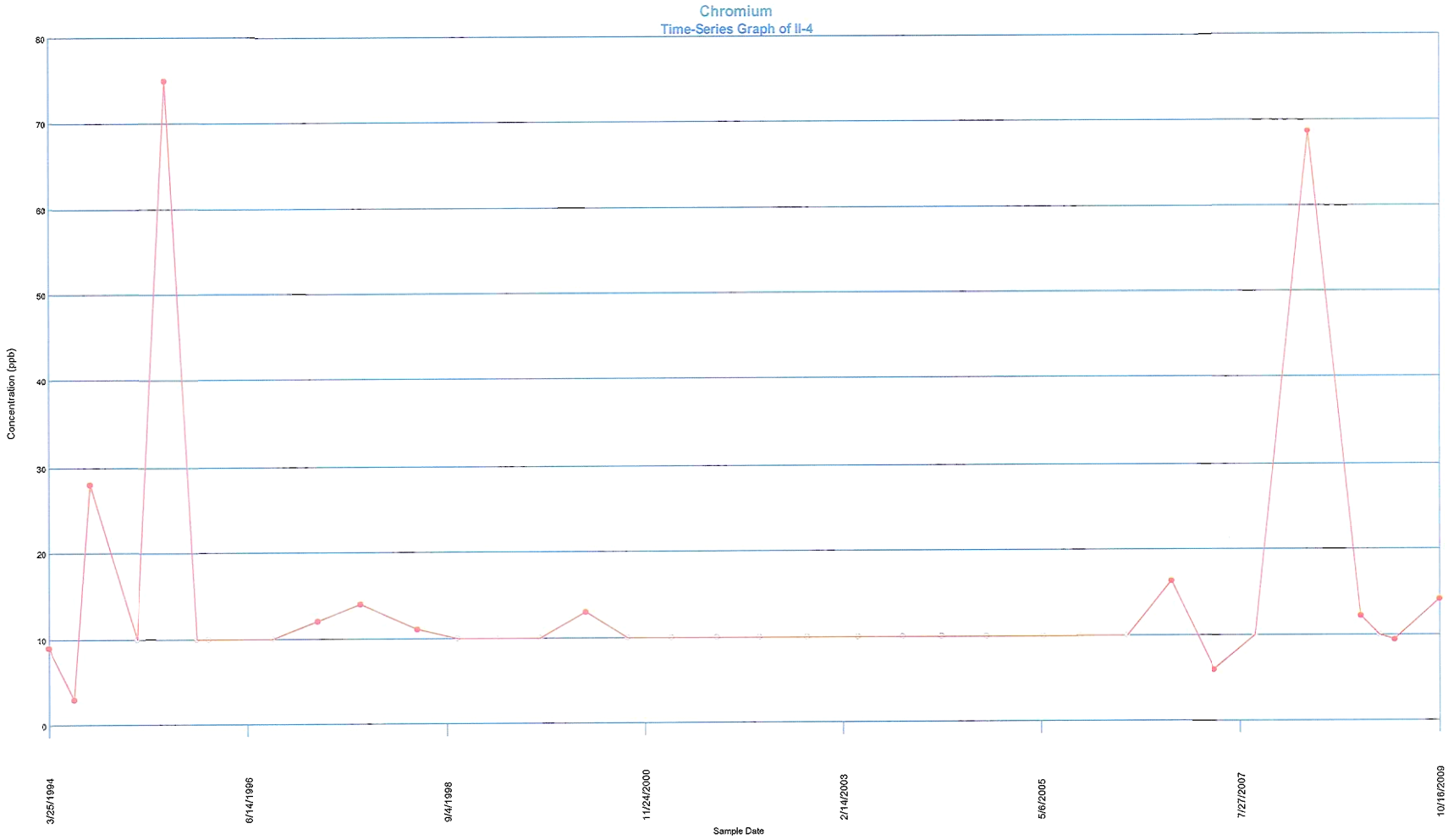

Barium
Time-Series Graph of II-4
Concentration (ppb)
3000
2500
2000
1500
1000
500
0
3/25/1994
6/14/1996
9/4/1998
11/24/2000
2/14/2003
5/6/2005
7/27/2007
10/16/2009
Sample Date

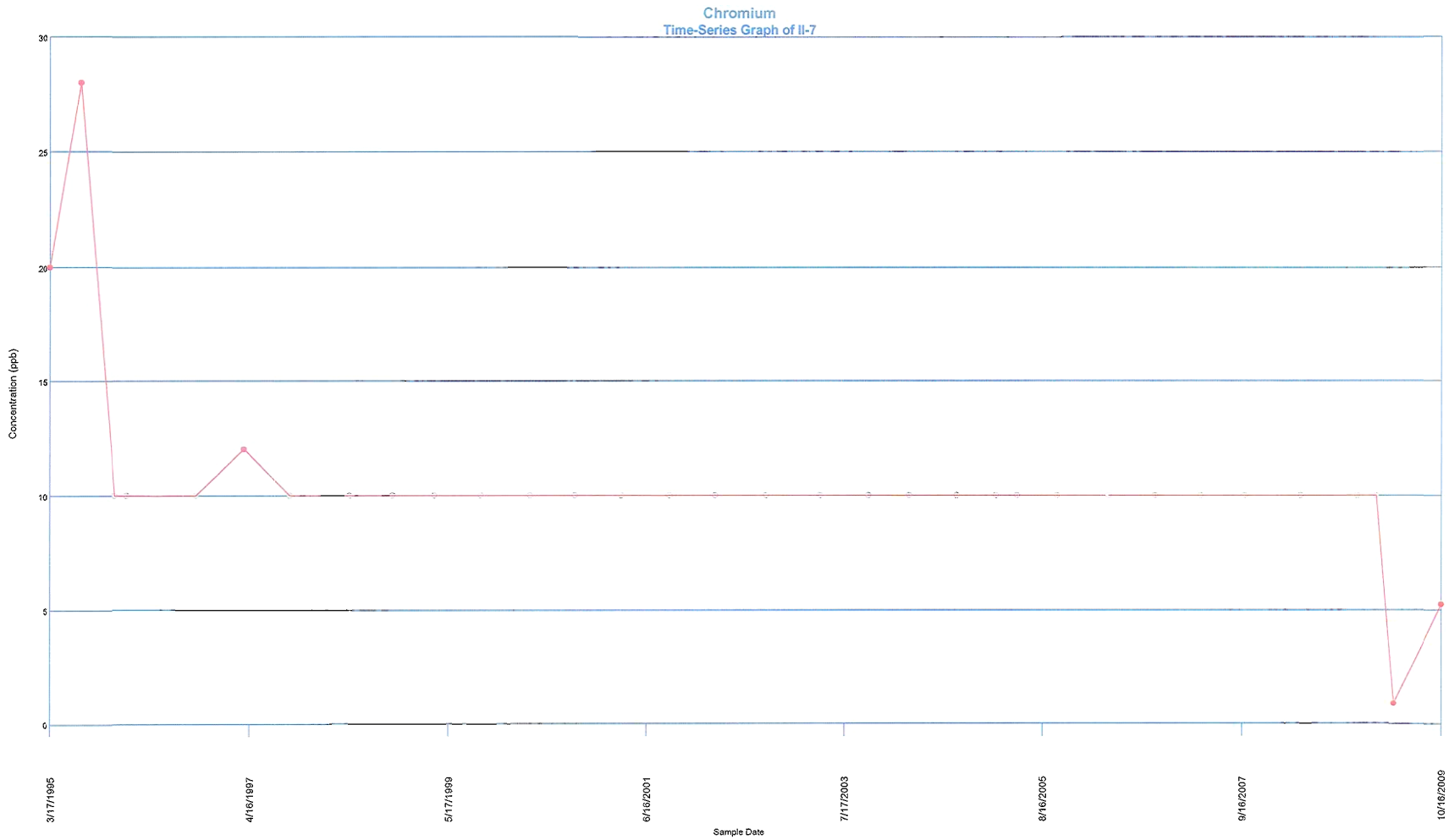

Barium
Time-Series Graph of II-5
Concentration (ppb)
500
400
300
200
100
0
3/25/1994
6/14/1996
9/4/1998
11/24/2000
2/14/2003
5/6/2005
7/27/2007
10/16/2009
Sample Date

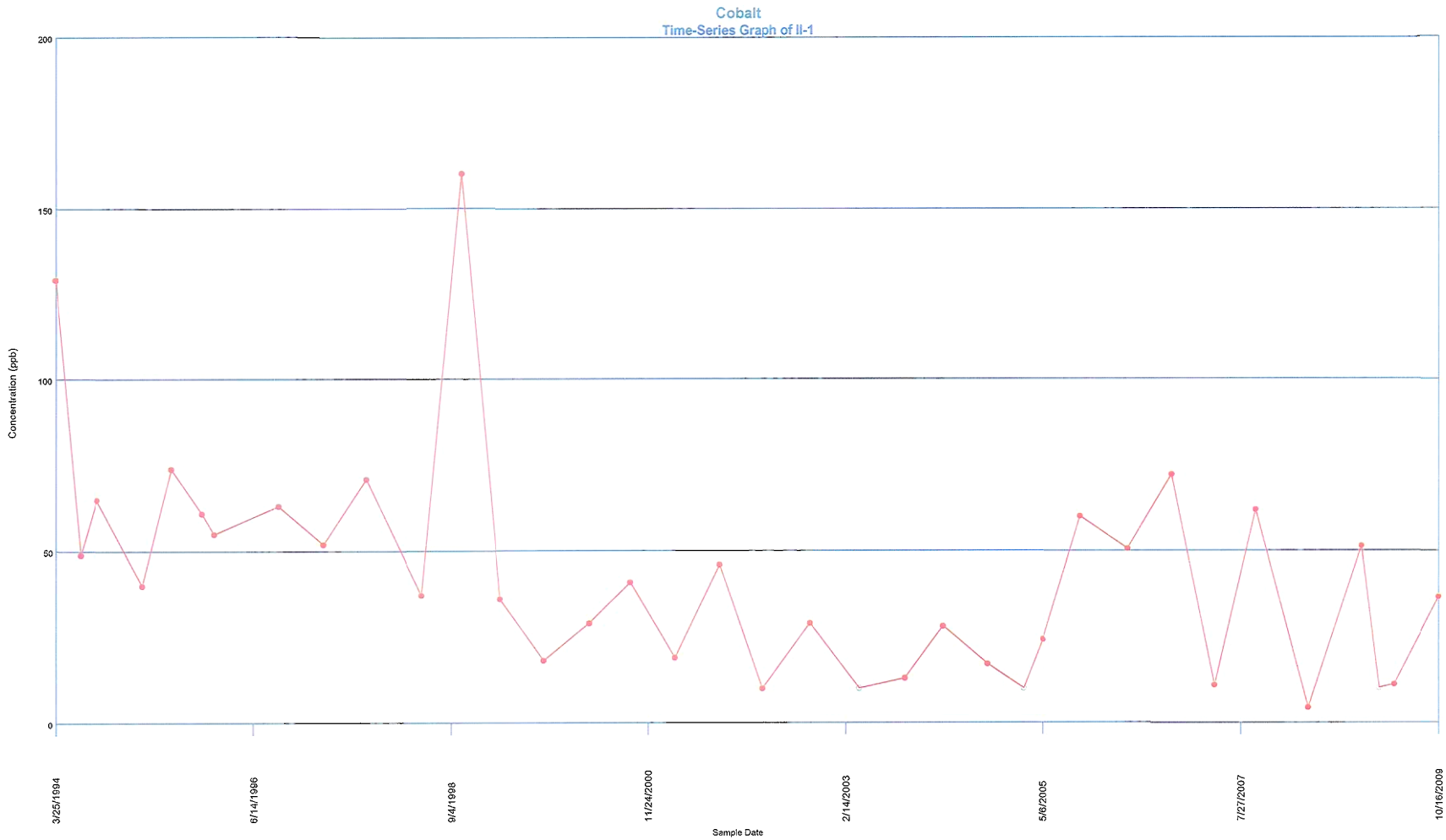

Barium
Time-Series Graph of II-6
Concentration (ppb)
600
500
400
300
200
100
0
3/17/1995
4/16/1997
5/17/1999
6/16/2001
7/17/2003
8/16/2005
9/16/2007
10/16/2009
Sample Date

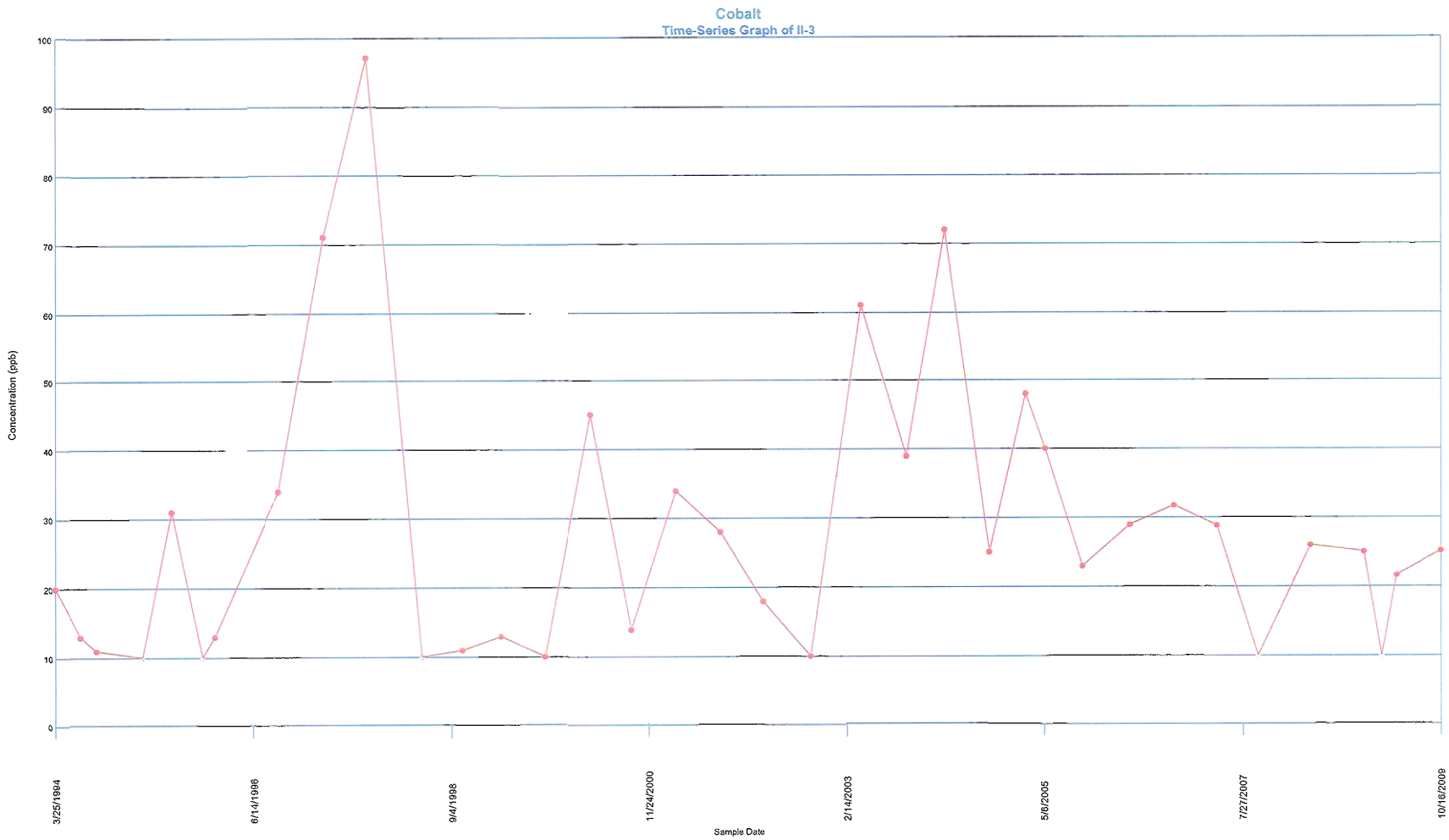

Barium
Time-Series Graph of II-12
Concentration (ppb)
900
800
700
600
500
400
300
200
100
0
5/11/2005
12/28/2005
8/16/2006
4/4/2007
11/22/2007
7/10/2008
2/26/2009
10/16/2009
Sample Date

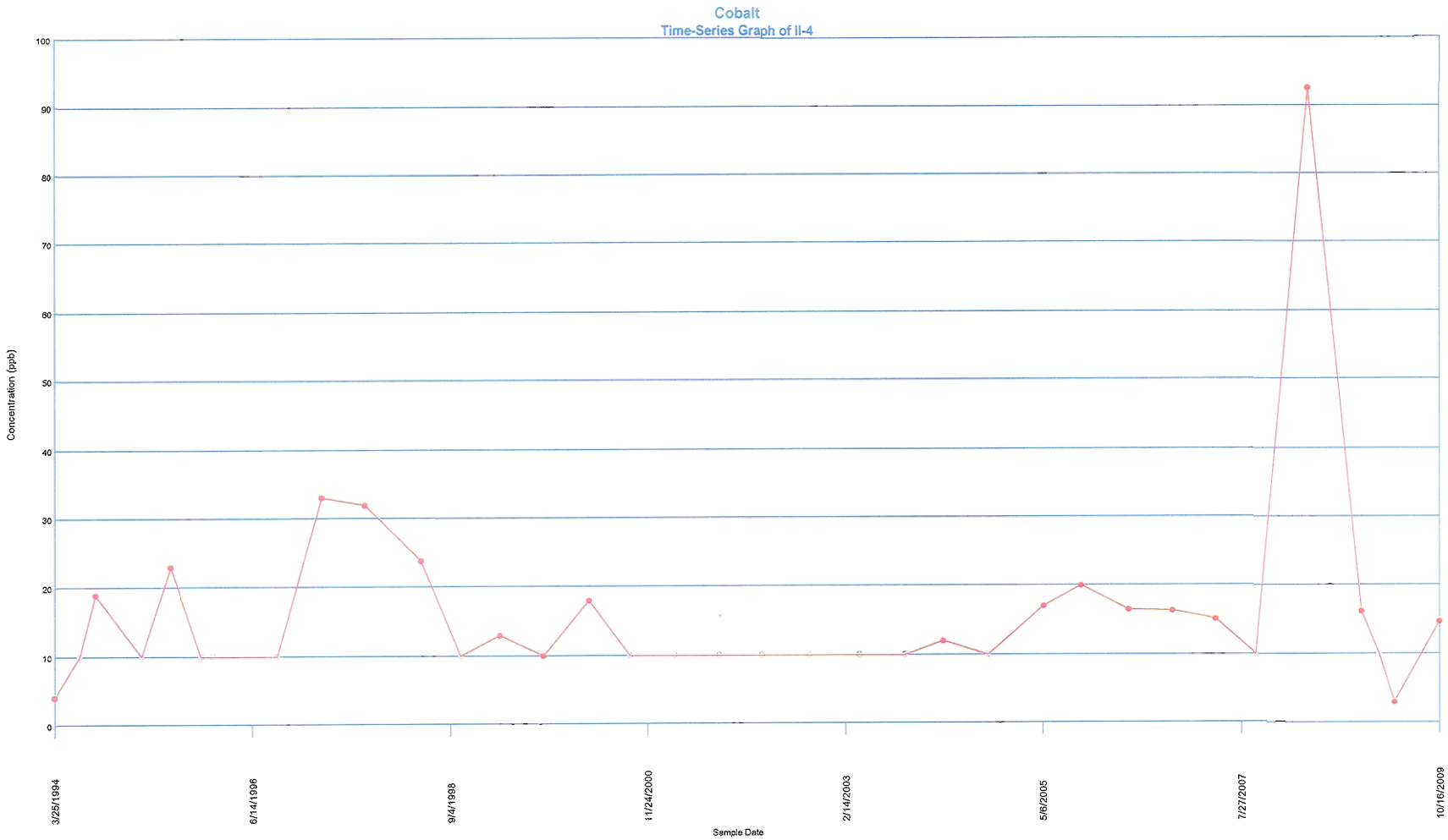

Barium
Time-Series Graph of MW-13
Concentration (ppb)
500
400
300
200
100
0
7/6/1994
9/10/1996
11/16/1998
1/21/2001
3/30/2003
6/4/2005
8/10/2007
10/16/2009
Sample Date

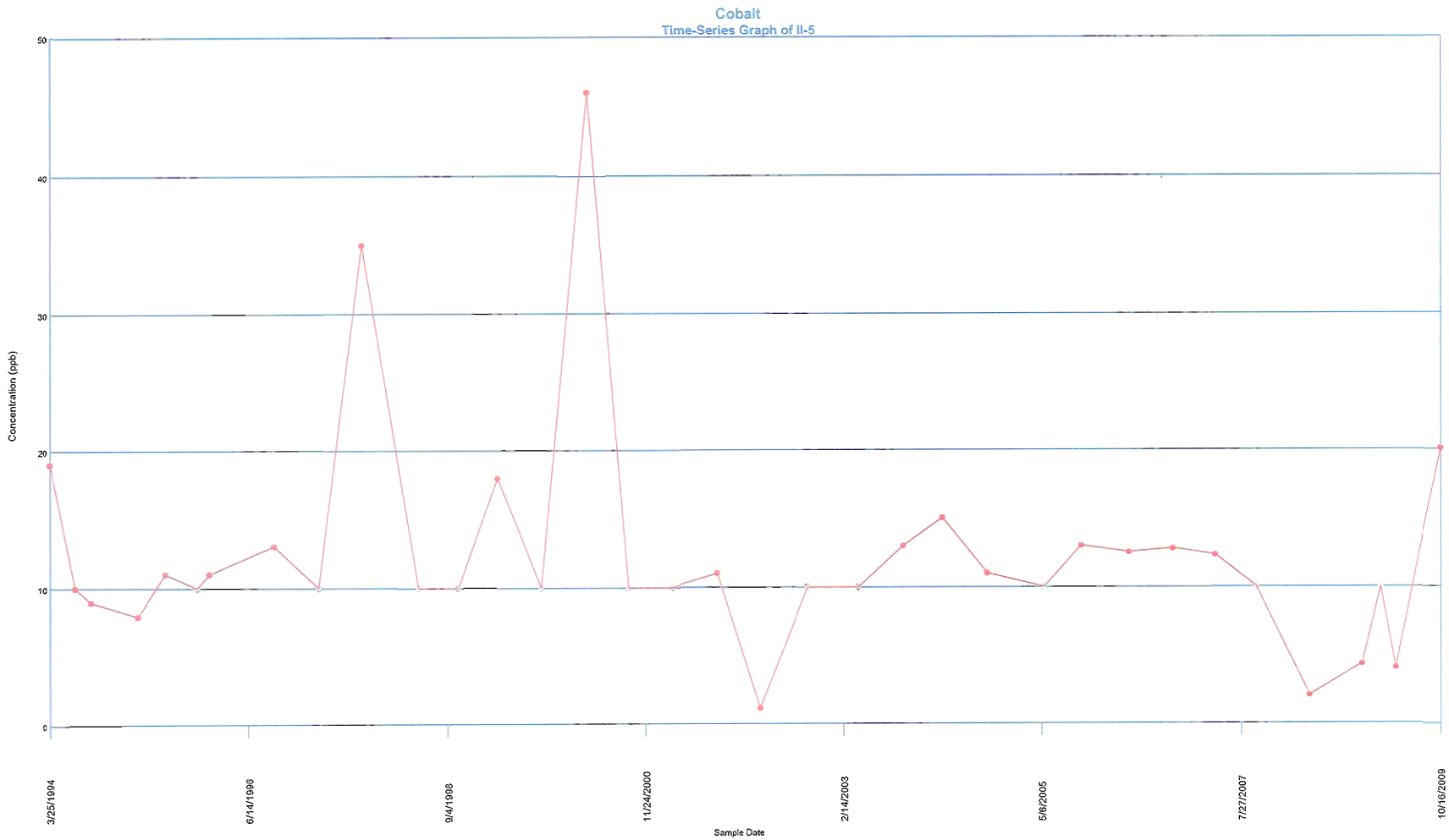

Chromium
Time-Series Graph of II-4
Concentration (ppb)
0
10
20
30
40
50
60
70
80
3/25/1994
6/14/1996
9/4/1998
11/24/2000
2/14/2003
5/6/2005
7/27/2007
10/16/2009
Sample Date

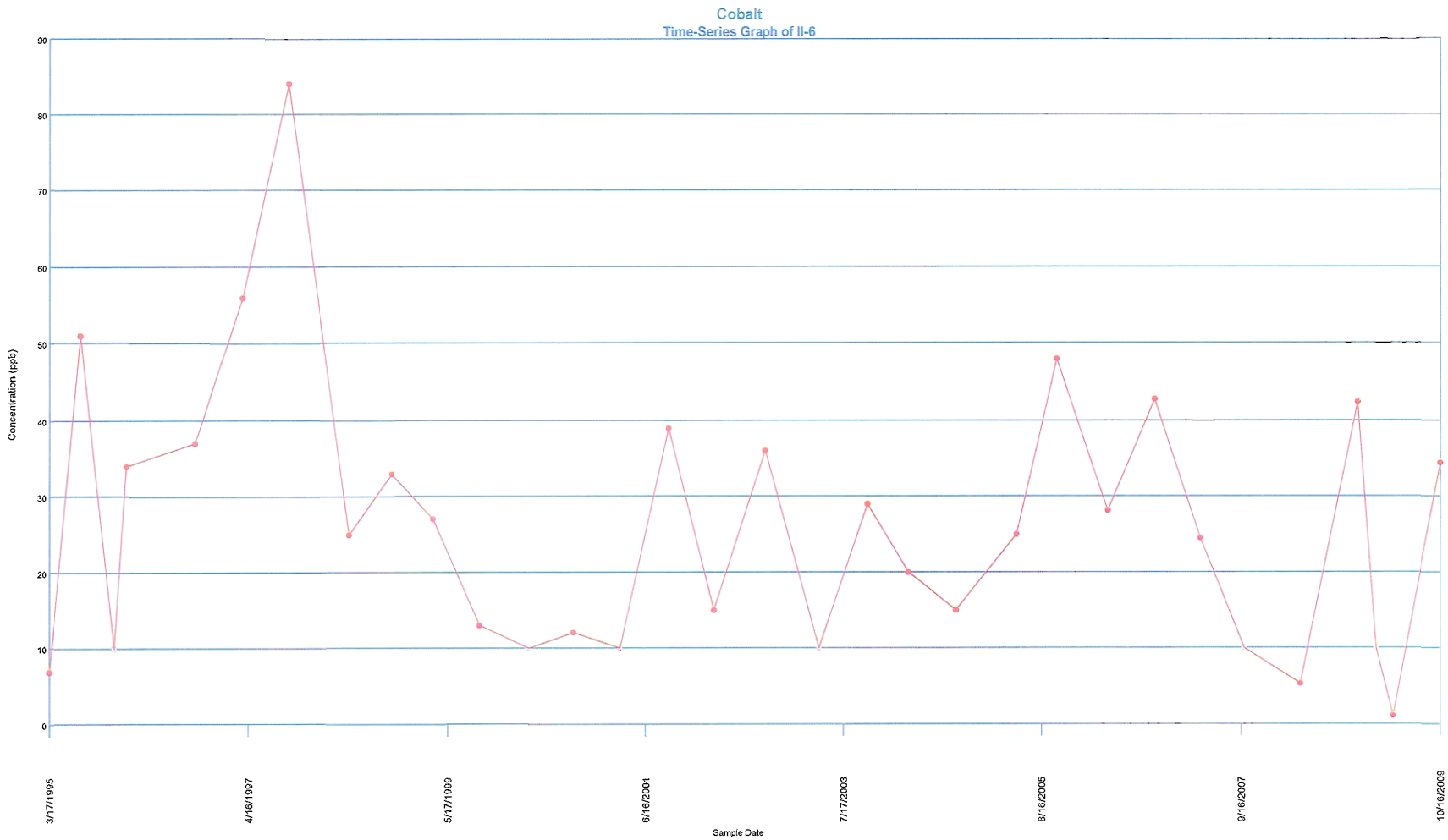

Chromium
Time-Series Graph of II-7
Concentration (ppb)
30
25
20
15
10
5
0
3/17/1995
4/16/1997
5/17/1999
6/16/2001
7/17/2003
8/16/2005
9/16/2007
10/18/2009
Sample Date

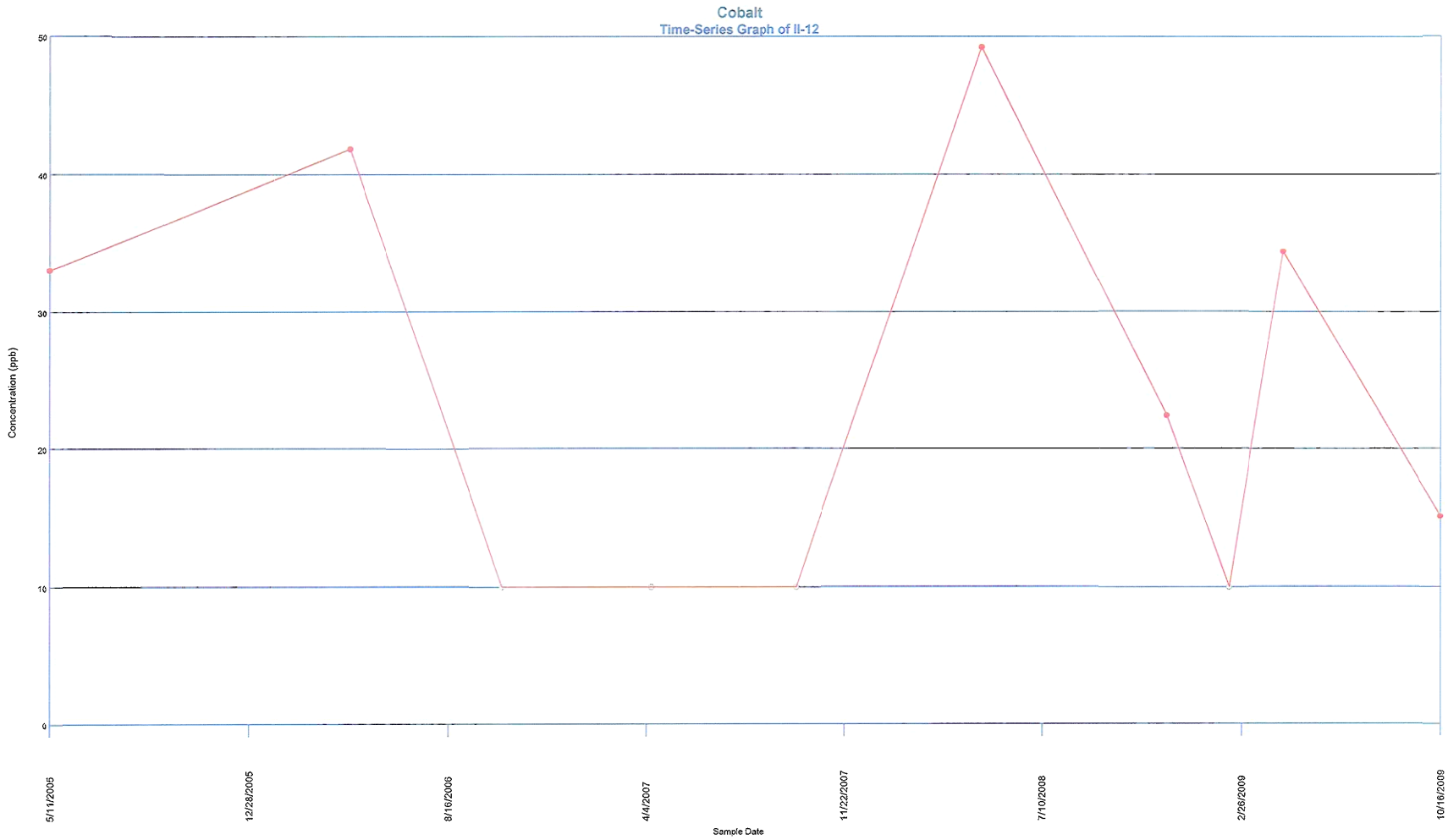

Cobalt
Time-Series Graph of II-1
Concentration (ppb)
200
150
100
50
0
3/25/1994
6/14/1996
9/4/1998
11/24/2000
2/14/2003
5/6/2005
7/27/2007
10/16/2009
Sample Date

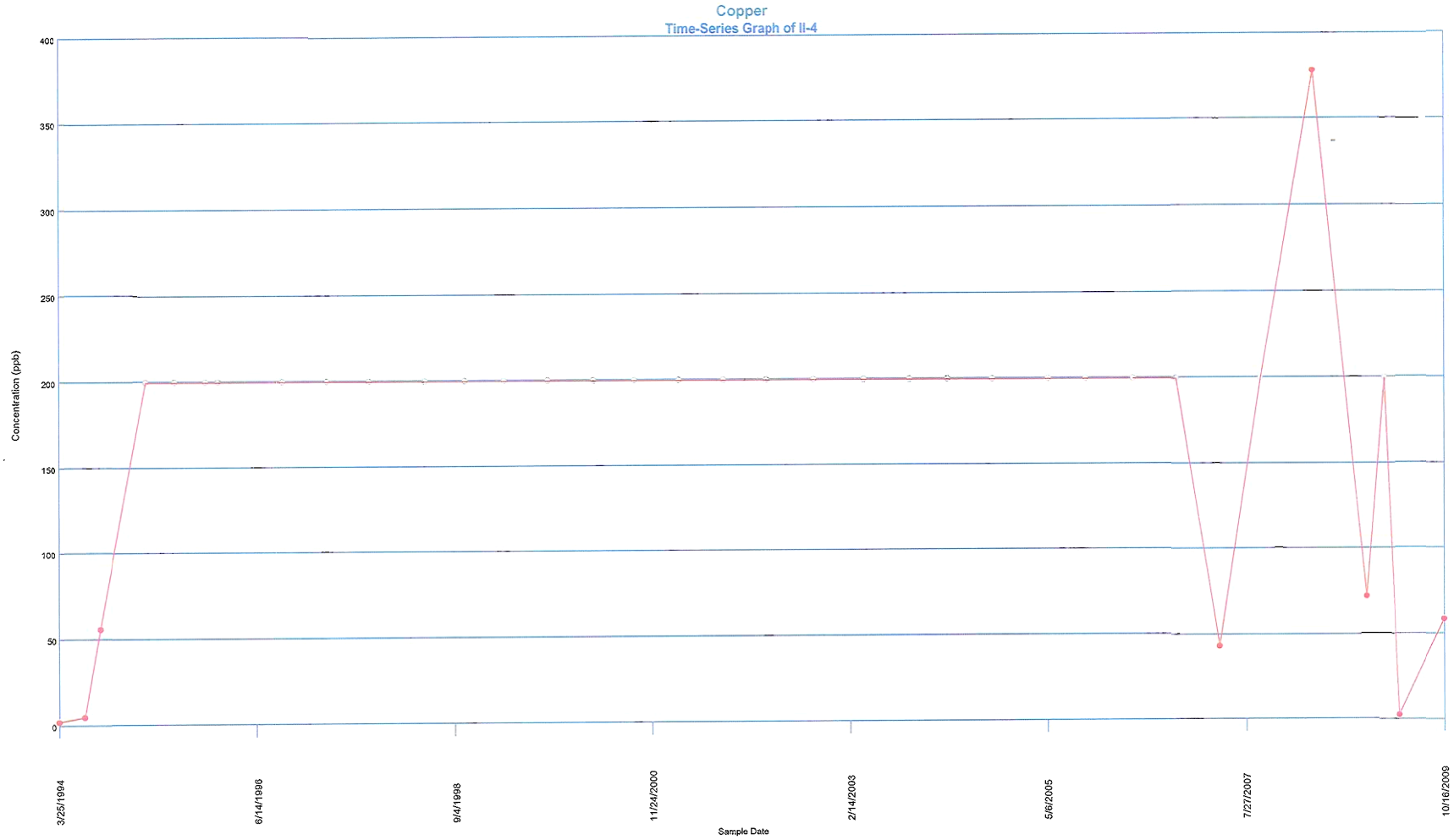

Cobalt
Time-Series Graph of II-3
Concentration (ppb)
100
90
80
70
60
50
40
30
20
10
0
3/25/1994
6/14/1996
9/4/1998
11/24/2000
2/14/2003
5/8/2005
7/27/2007
10/16/2009
Sample Date

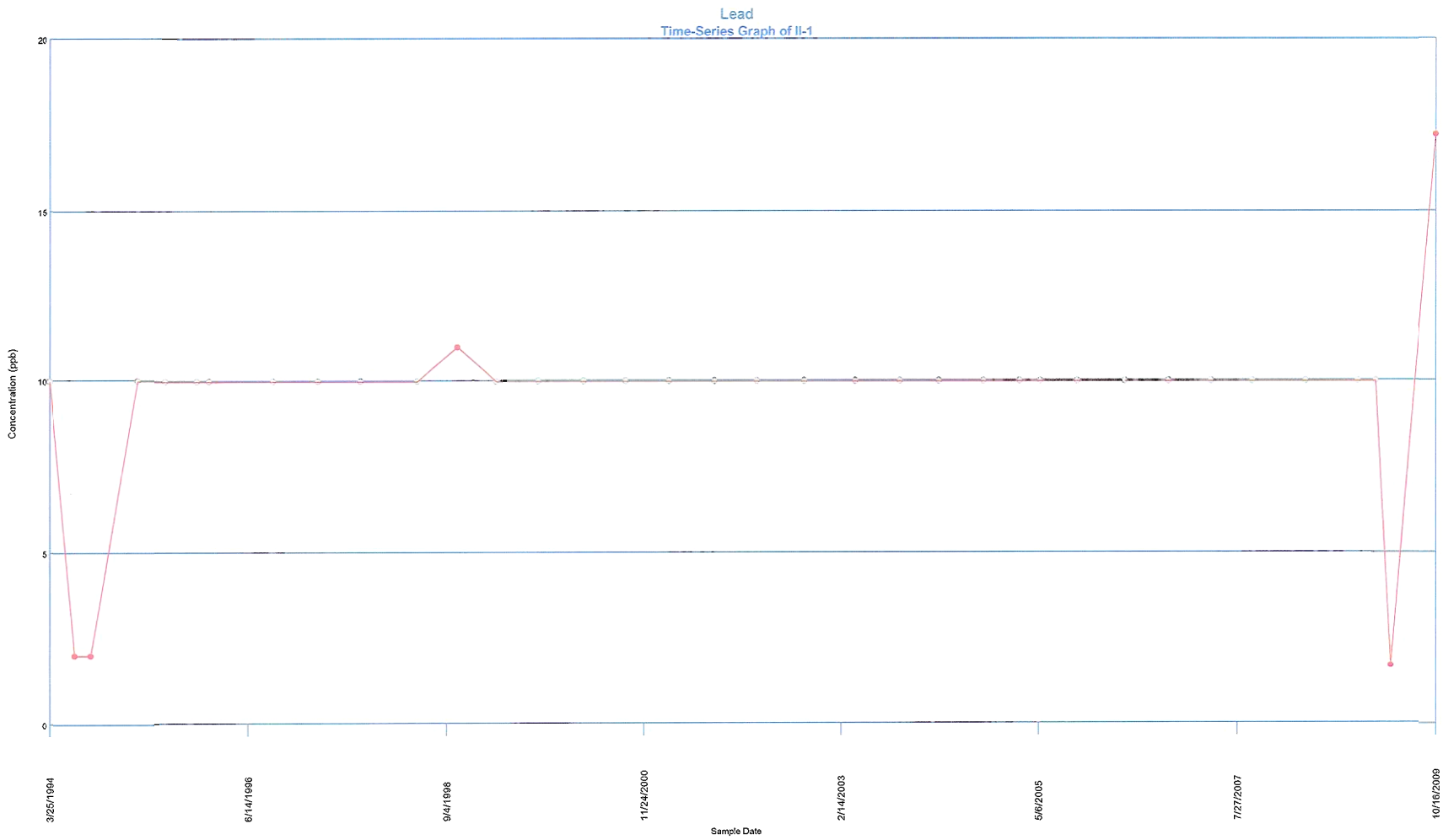

Cobalt
Time-Series Graph of II-4
Concentration (ppb)
100
90
80
70
60
50
40
30
20
10
0
3/25/1994
6/14/1996
9/4/1998
11/24/2000
2/14/2003
5/6/2005
7/27/2007
10/16/2009
Sample Date

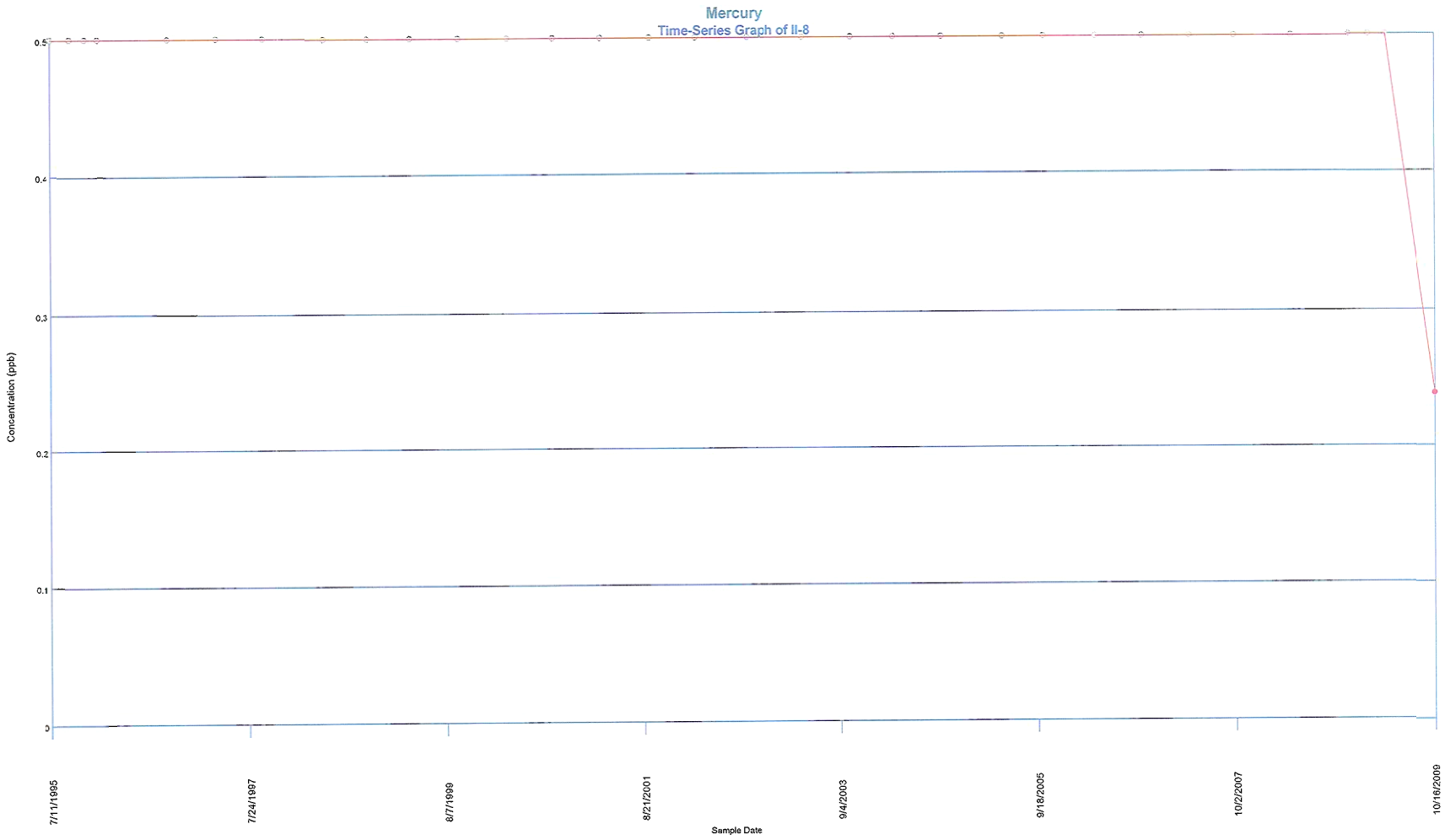

Cobalt
Time-Series Graph of II-5
Concentration (ppb)
50
40
30
20
10
0
3/25/1994
6/14/1996
9/4/1998
11/24/2000
2/14/2003
5/6/2005
7/27/2007
10/16/2009
Sample Date

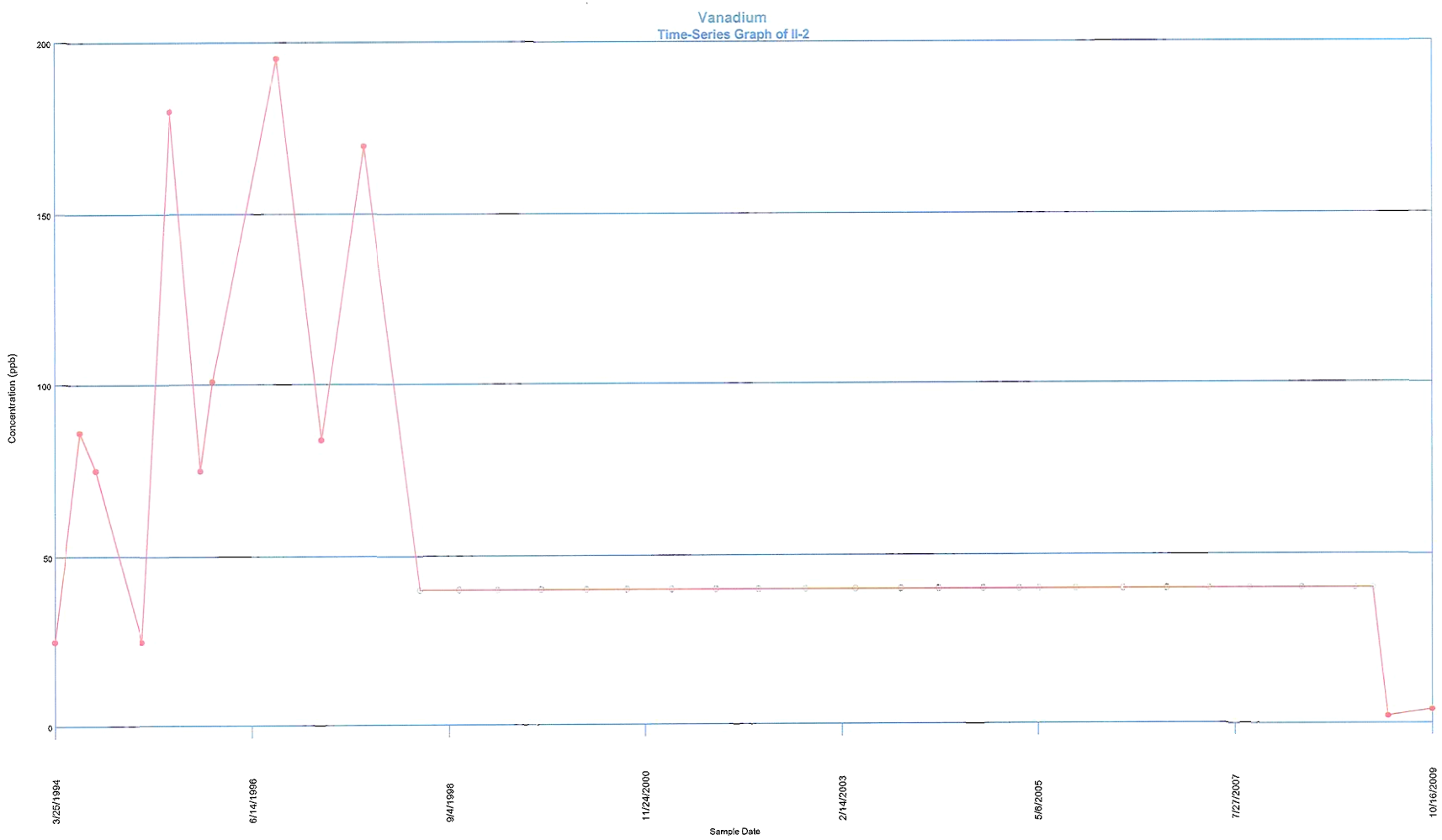

Cobalt
Time-Series Graph of II-6
Concentration (ppb)
90
80
70
60
50
40
30
20
10
0
3/17/1995
4/16/1997
5/17/1999
6/16/2001
7/17/2003
8/16/2005
9/16/2007
10/16/2009
Sample Date

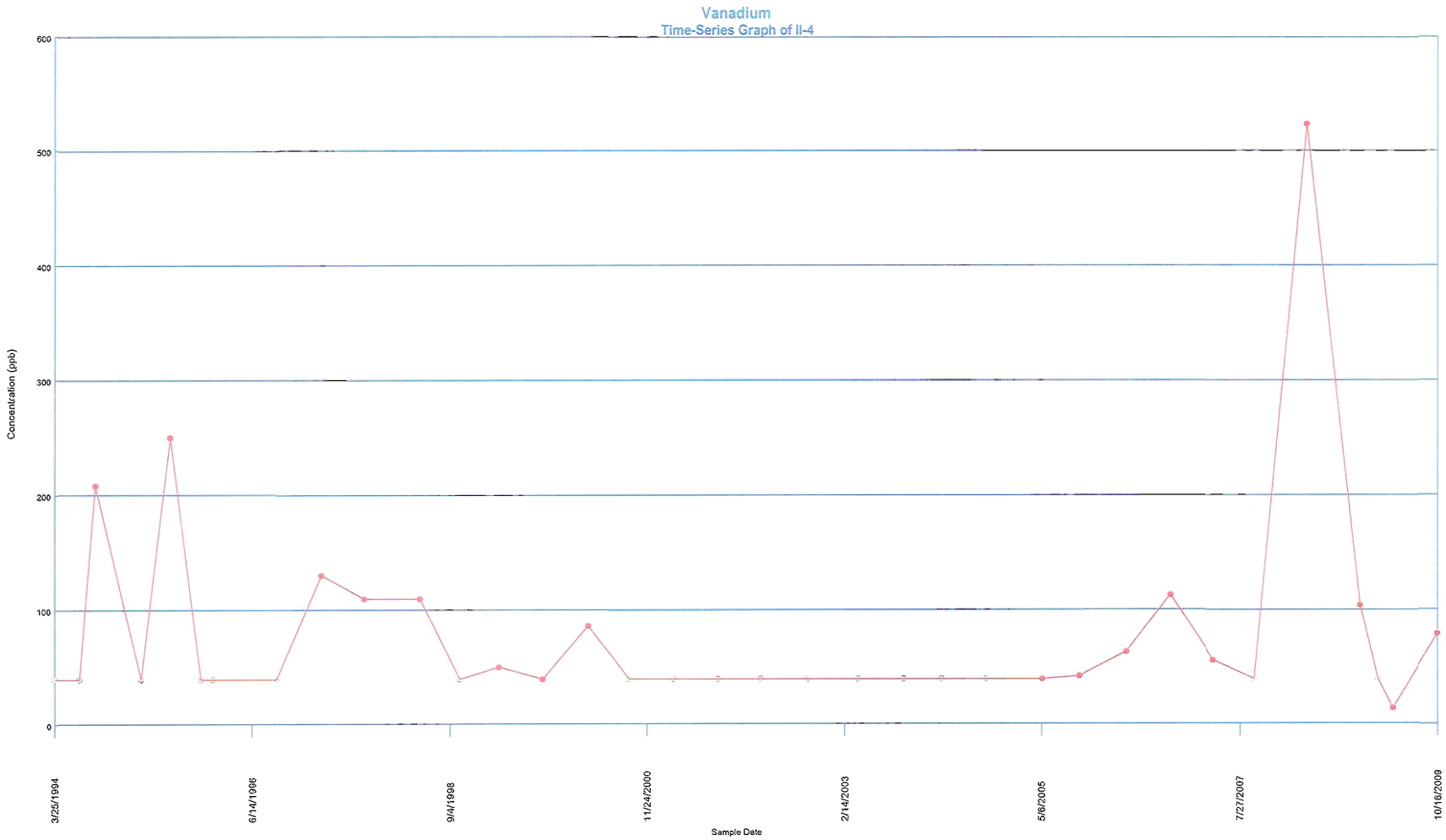

Cobalt
Time-Series Graph of II-12
Concentration (ppb)
50
40
30
20
10
0
5/11/2005
12/28/2005
8/16/2006
4/4/2007
11/22/2007
7/10/2008
2/26/2009
10/16/2009
Sample Date

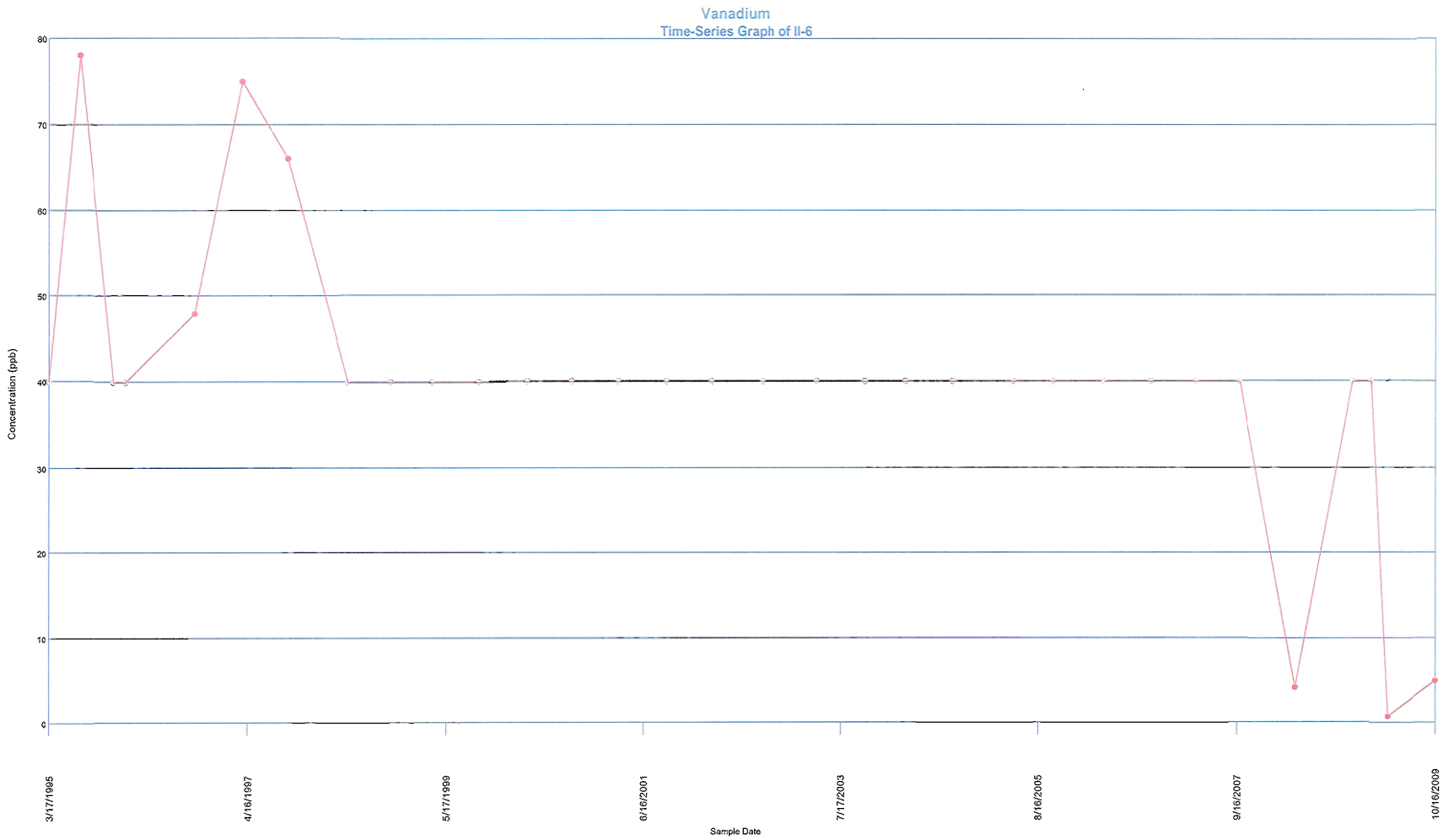

Copper
Time-Series Graph of II-4
Concentration (ppb)
400
350
300
250
200
150
100
50
0
3/25/1994
6/14/1996
9/4/1998
11/24/2000
2/14/2003
5/6/2005
7/27/2007
10/16/2009
Sample Date

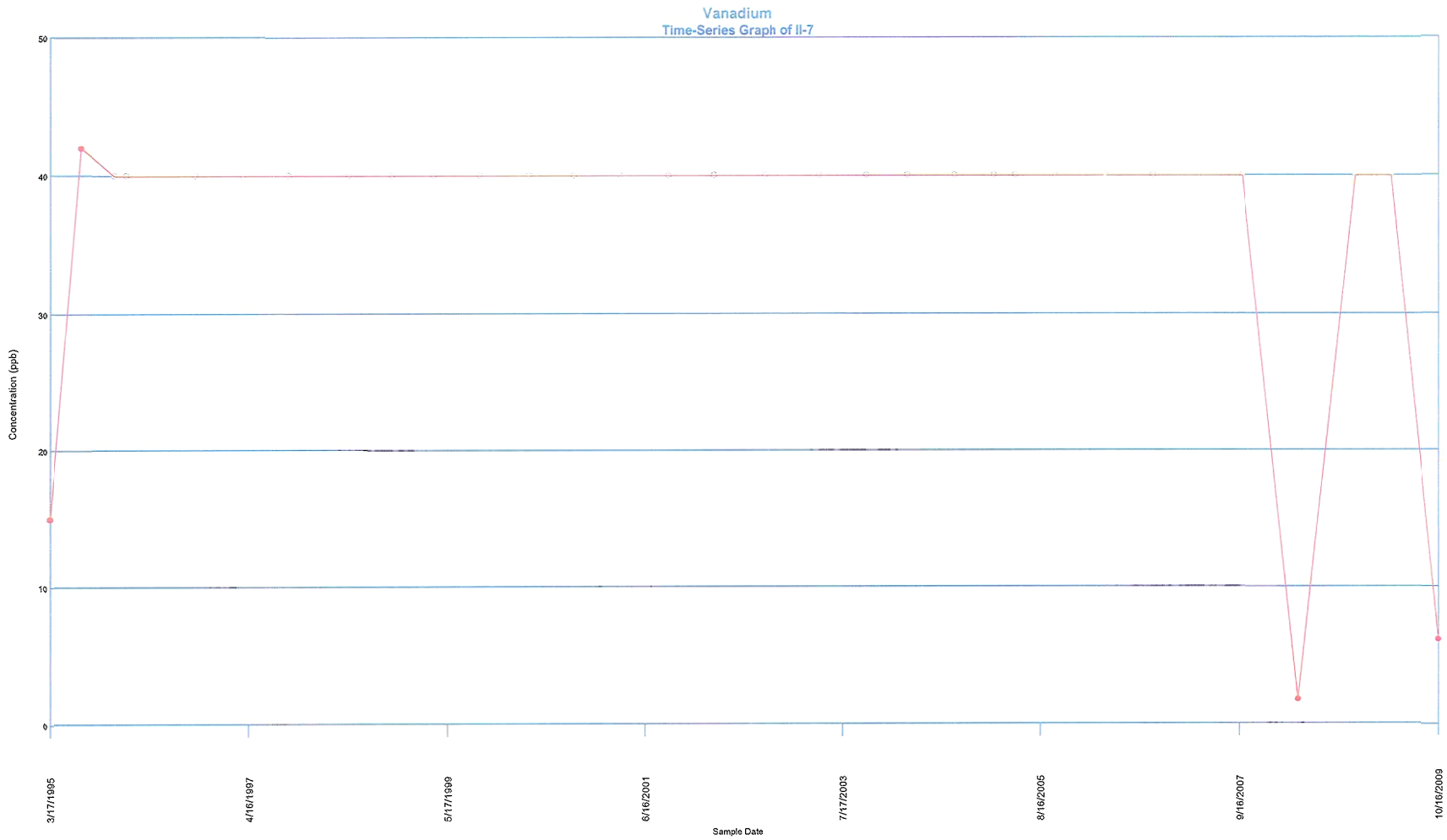

Lead
Time-Series Graph of II-1
Concentration (ppb)
20
15
10
5
0
3/25/1994
6/14/1996
9/4/1998
11/24/2000
2/14/2003
5/6/2005
7/27/2007
10/16/2009
Sample Date

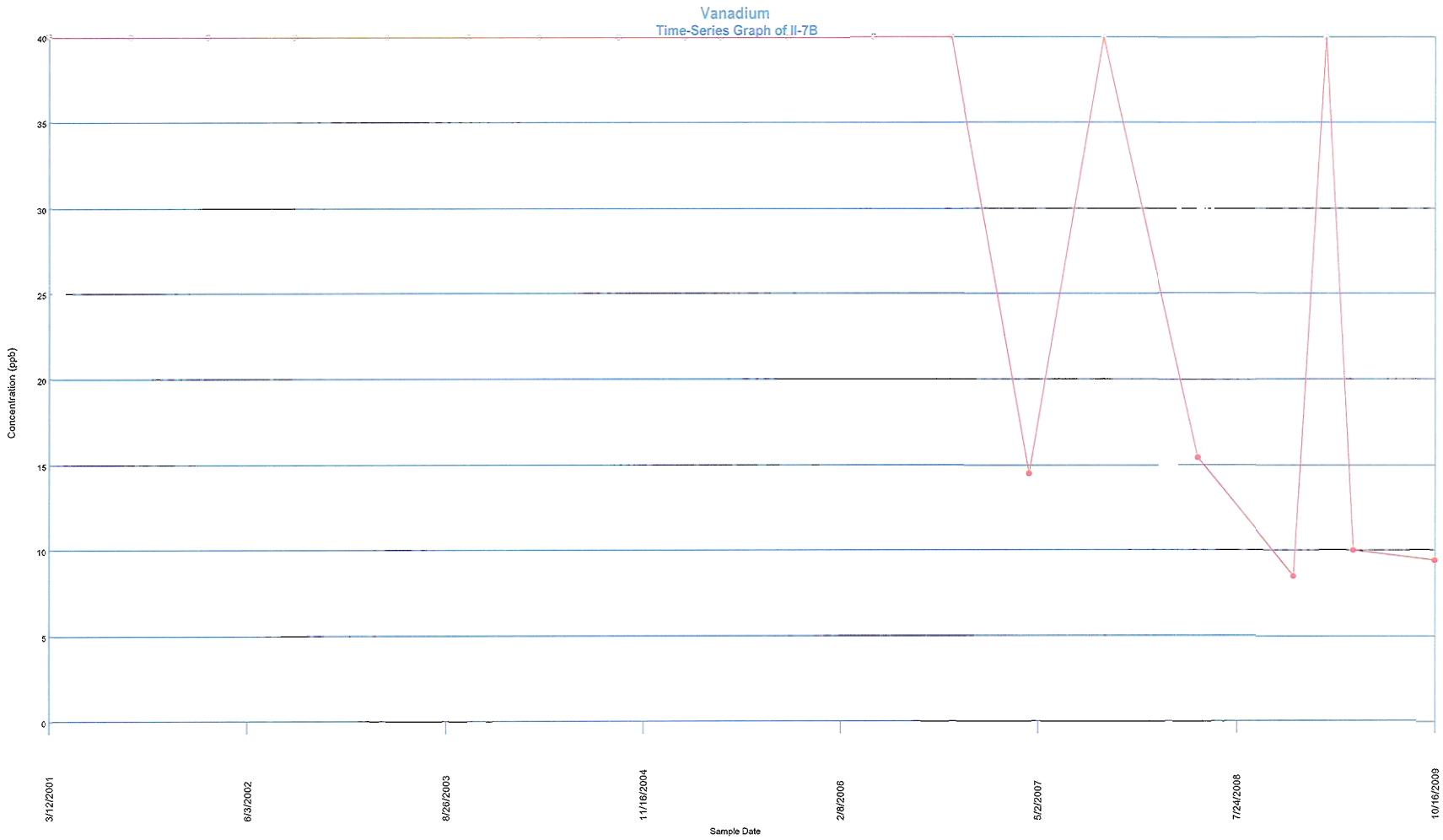

Mercury
Time-Series Graph of II-8
Concentration (ppb)
0.5
0.4
0.3
0.2
0.1
0
7/11/1995
7/24/1997
8/7/1999
8/21/2001
9/4/2003
9/18/2005
10/2/2007
10/16/2009
Sample Date

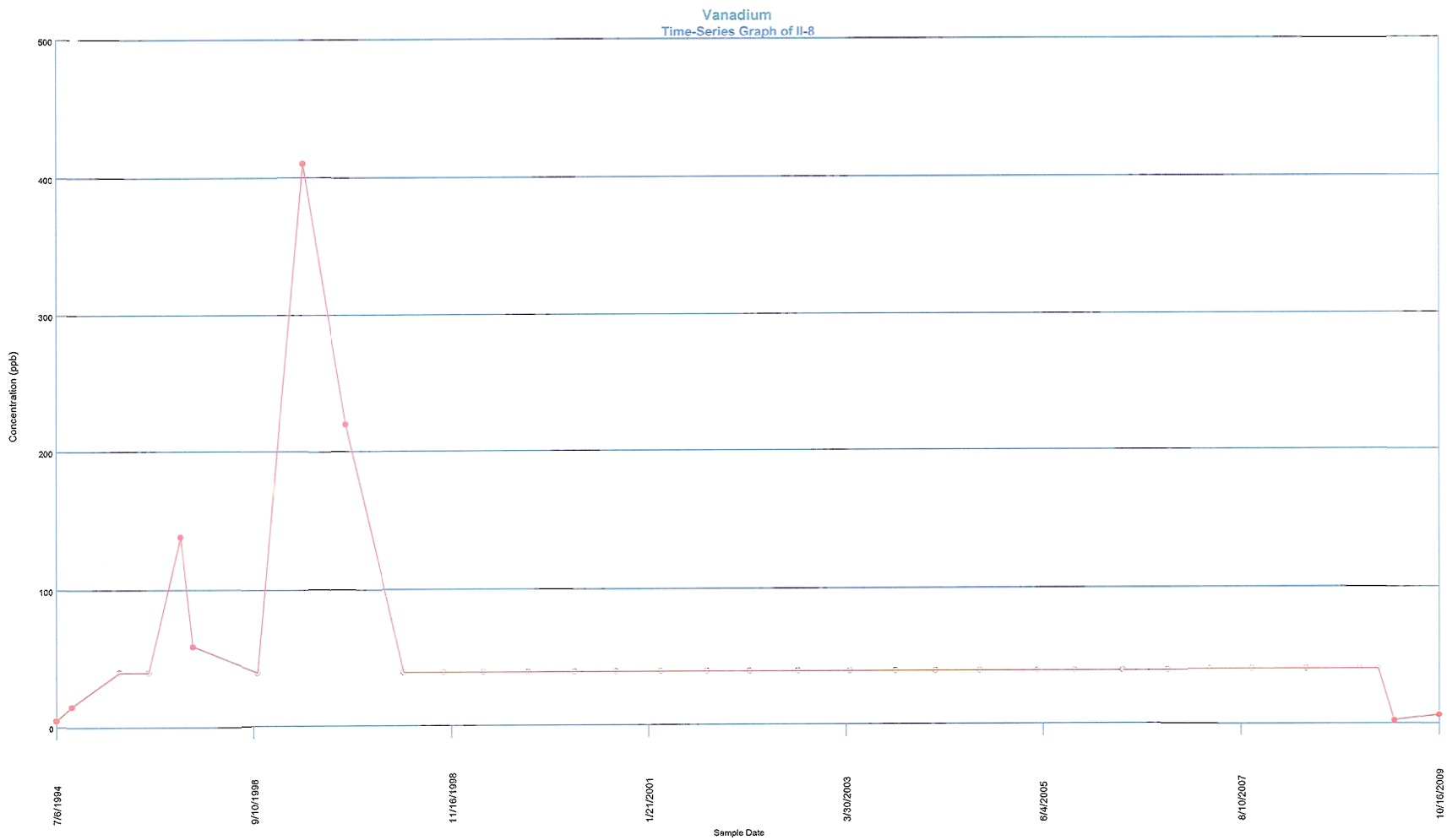

Vanadium
Time-Series Graph of II-2
Concentration (ppb)
200
150
100
50
0
3/25/1994
6/14/1996
9/4/1998
11/24/2000
2/14/2003
5/6/2005
7/27/2007
10/16/2009
Sample Date

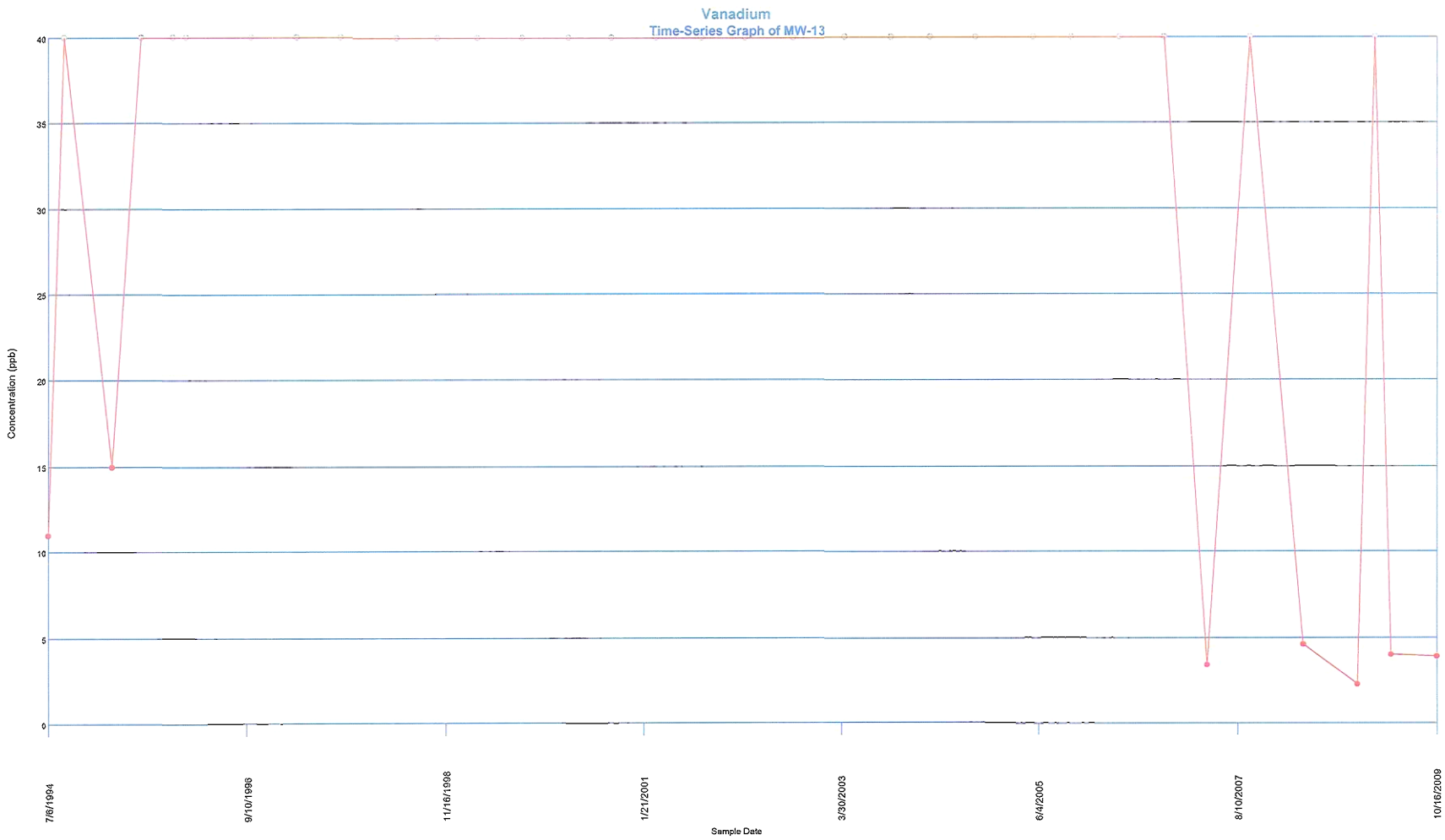

Vanadium
Time-Series Graph of II-4
Concentration (ppb)
600
500
400
300
200
100
0
3/25/1994
6/14/1996
9/4/1998
11/24/2000
2/14/2003
5/6/2005
7/27/2007
10/16/2009
Sample Date

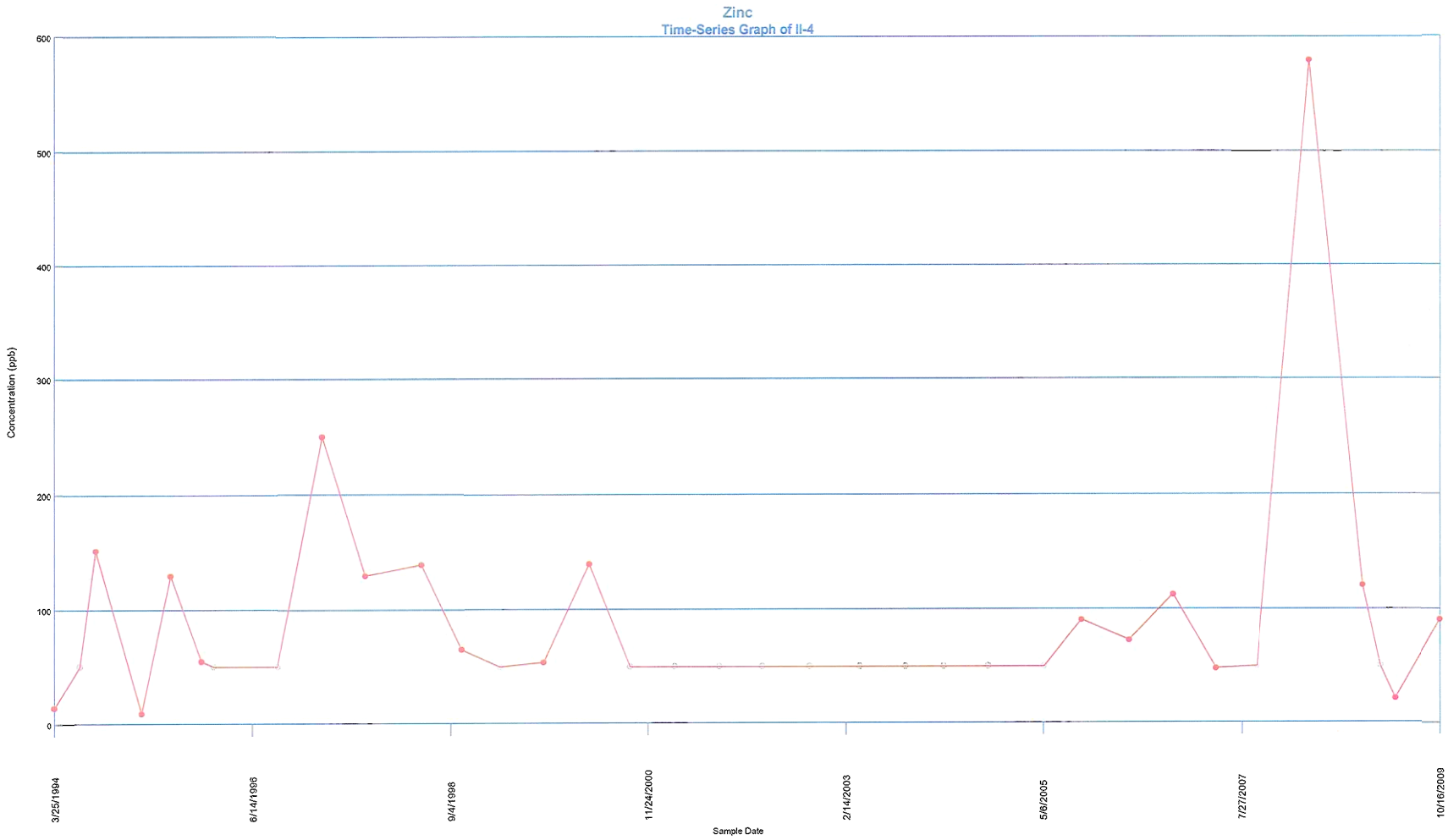

Vanadium
Time-Series Graph of II-6
Concentration (ppb)
80
70
60
50
40
30
20
10
0
3/17/1995
4/16/1997
5/17/1999
6/16/2001
7/17/2003
8/16/2005
9/16/2007
10/16/2009
Sample Date

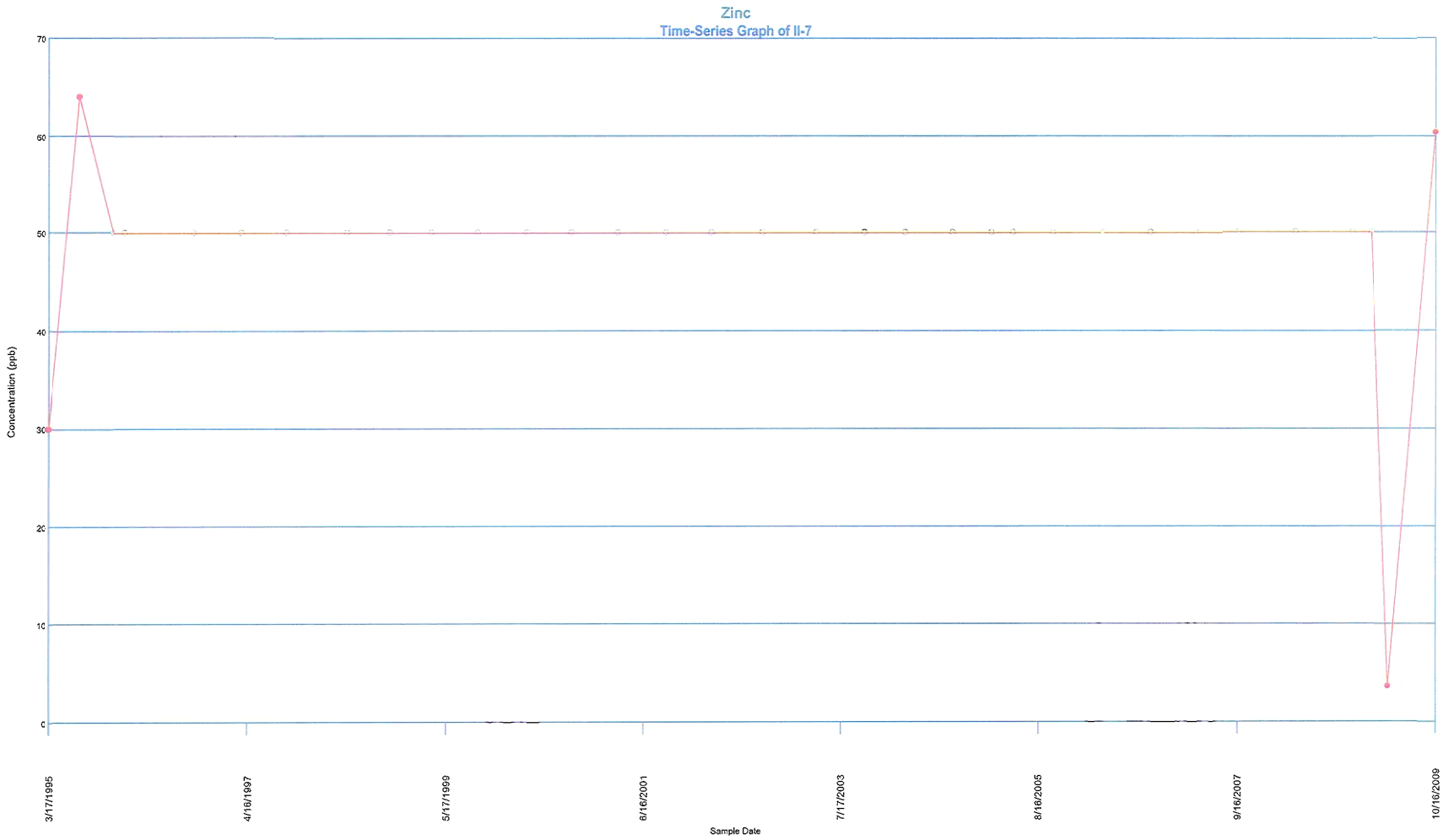

Vanadium
Time-Series Graph of II-7
Concentration (ppb)
50
40
30
20
10
0
3/17/1995
4/16/1997
5/17/1999
6/16/2001
7/17/2003
8/16/2005
9/16/2007
10/16/2009
Sample Date

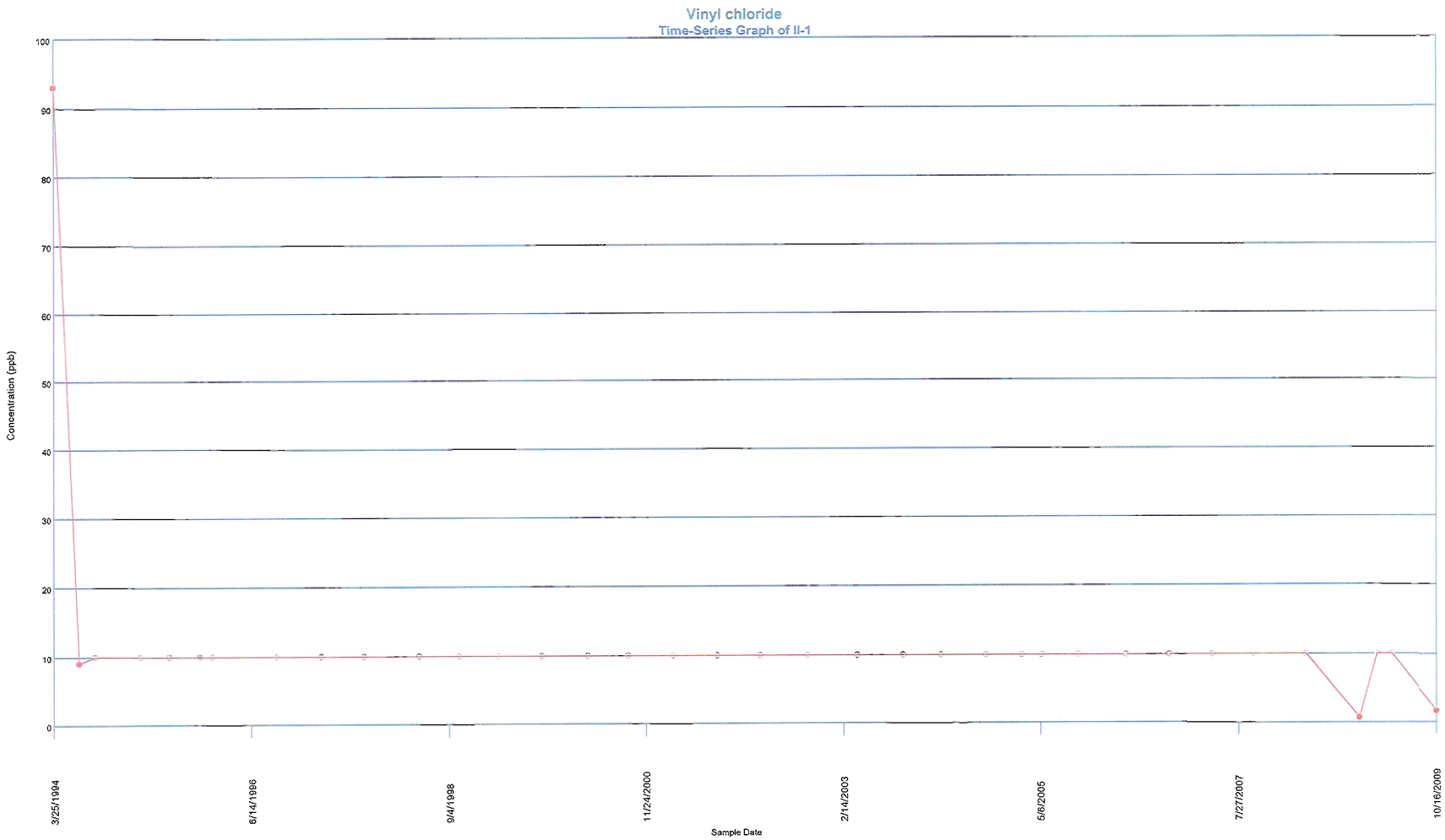

Vanadium
Time-Series Graph of II-7B
Concentration (ppb)
40
35
30
25
20
15
10
5
0
3/12/2001
6/3/2002
8/26/2003
11/16/2004
2/8/2006
5/2/2007
7/24/2008
10/16/2009
Sample Date

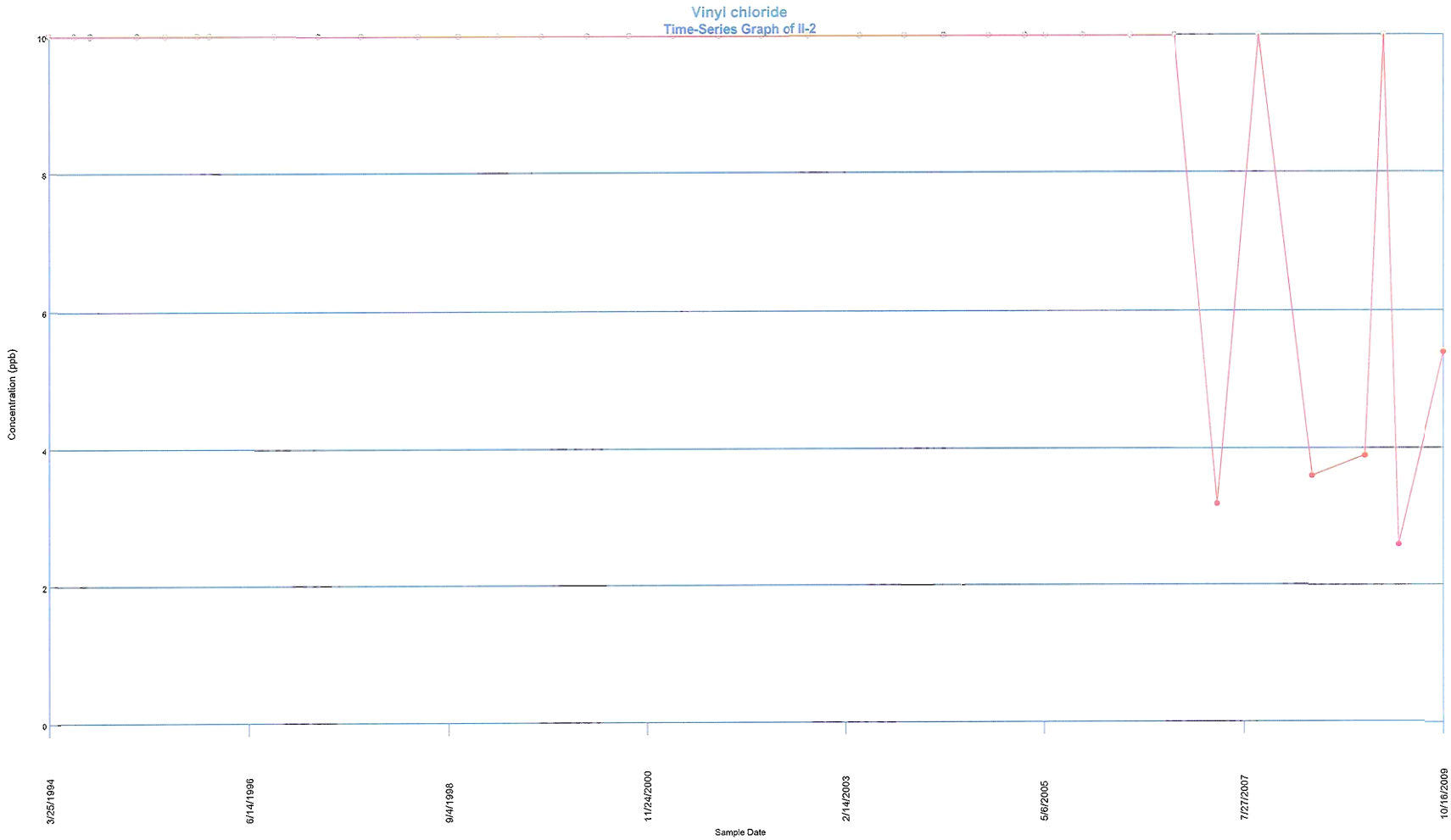

Vanadium
Time-Series Graph of II-8
Concentration (ppb)
500
400
300
200
100
0
7/6/1994
9/10/1996
11/16/1998
1/21/2001
3/30/2003
6/4/2005
8/10/2007
10/16/2009
Sample Date

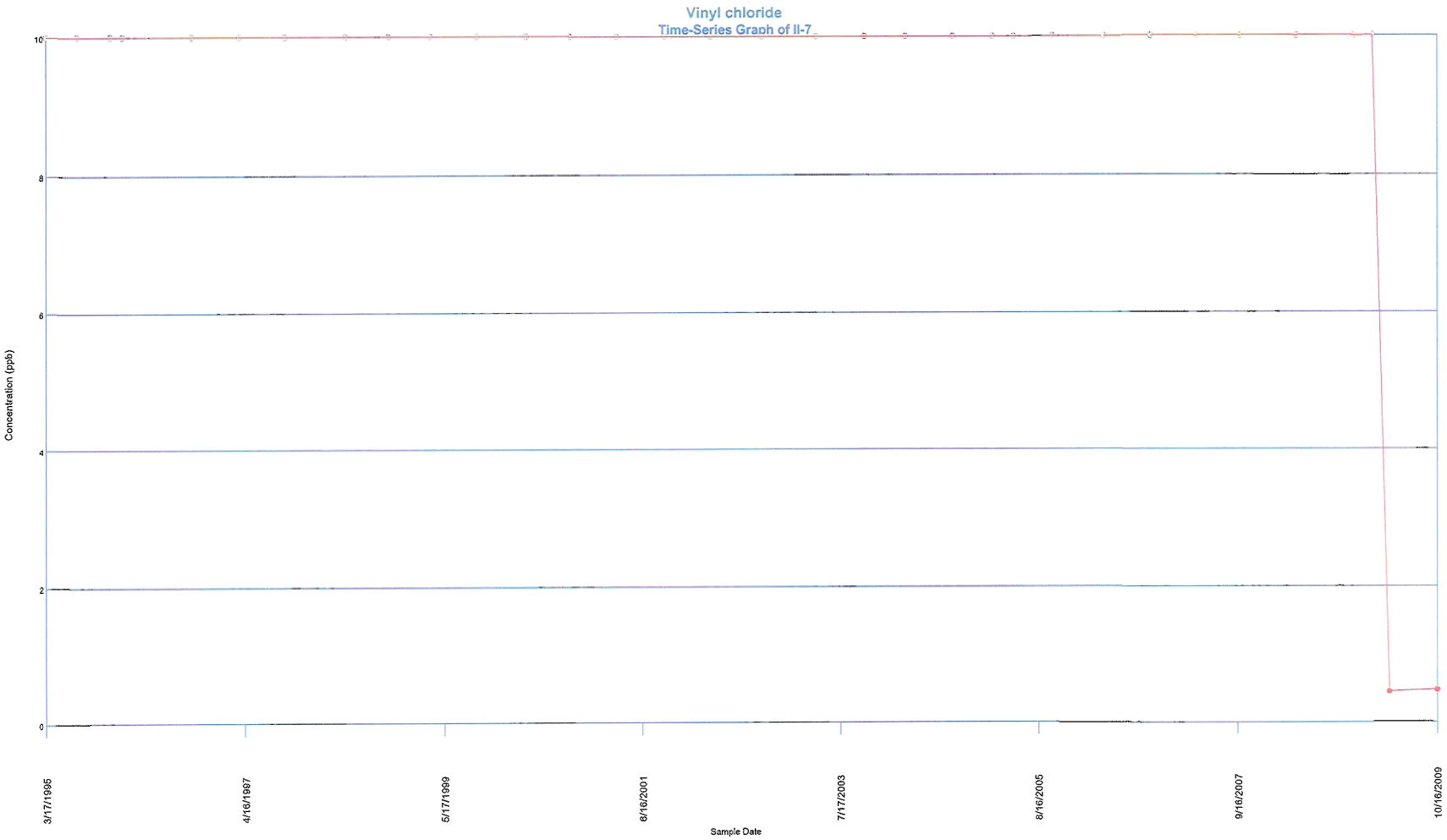

Vanadium
Time-Series Graph of MW-13
Concentration (ppb)
40
35
30
25
20
15
10
5
0
7/6/1994
9/10/1996
11/16/1998
1/21/2001
3/30/2003
6/4/2005
8/10/2007
10/16/2009
Sample Date

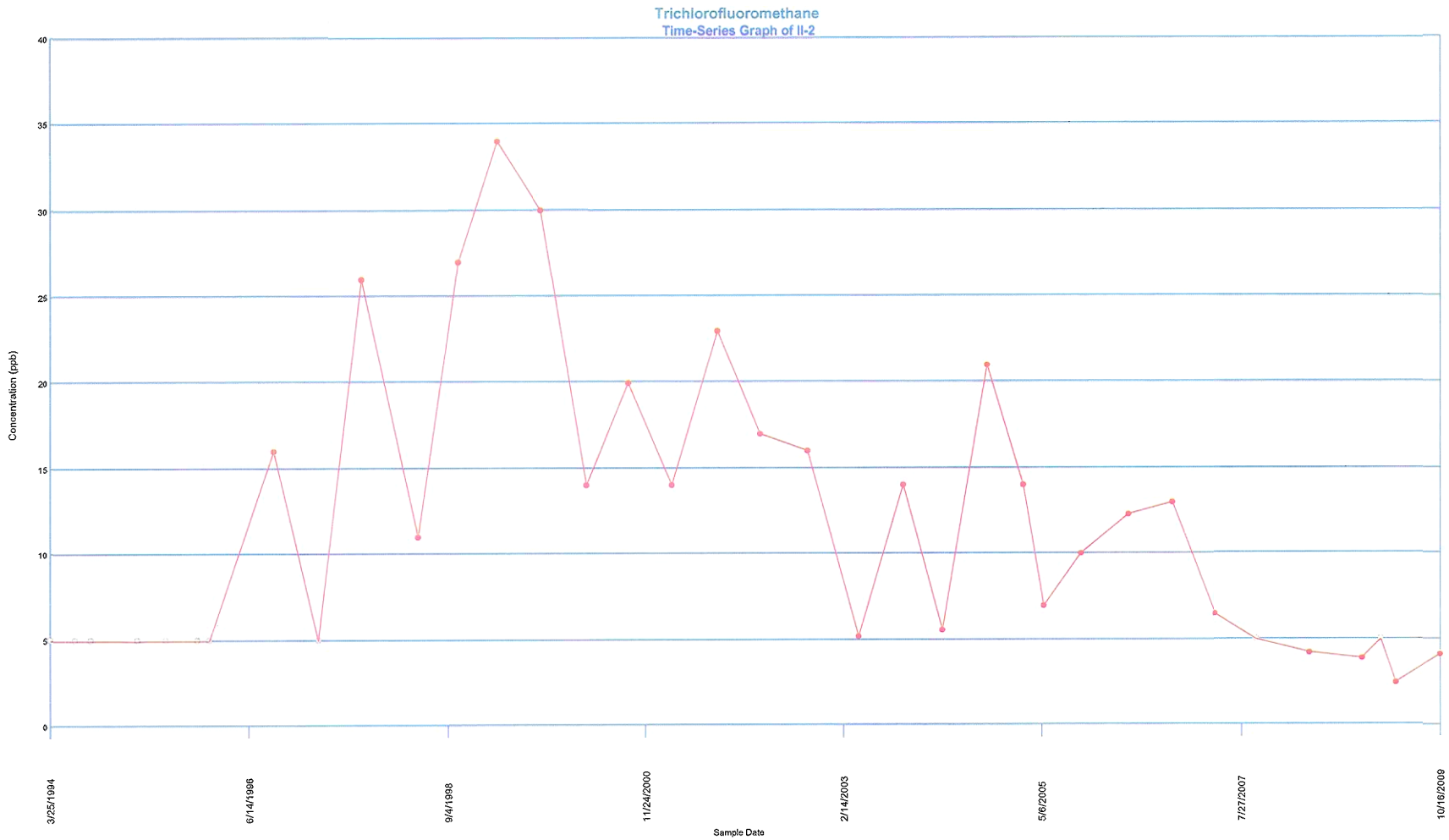

Zinc
Time-Series Graph of II-4
Concentration (ppb)
600
500
400
300
200
100
0
3/25/1994
6/14/1996
9/4/1998
11/24/2000
2/14/2003
5/6/2005
7/27/2007
10/16/2009
Sample Date

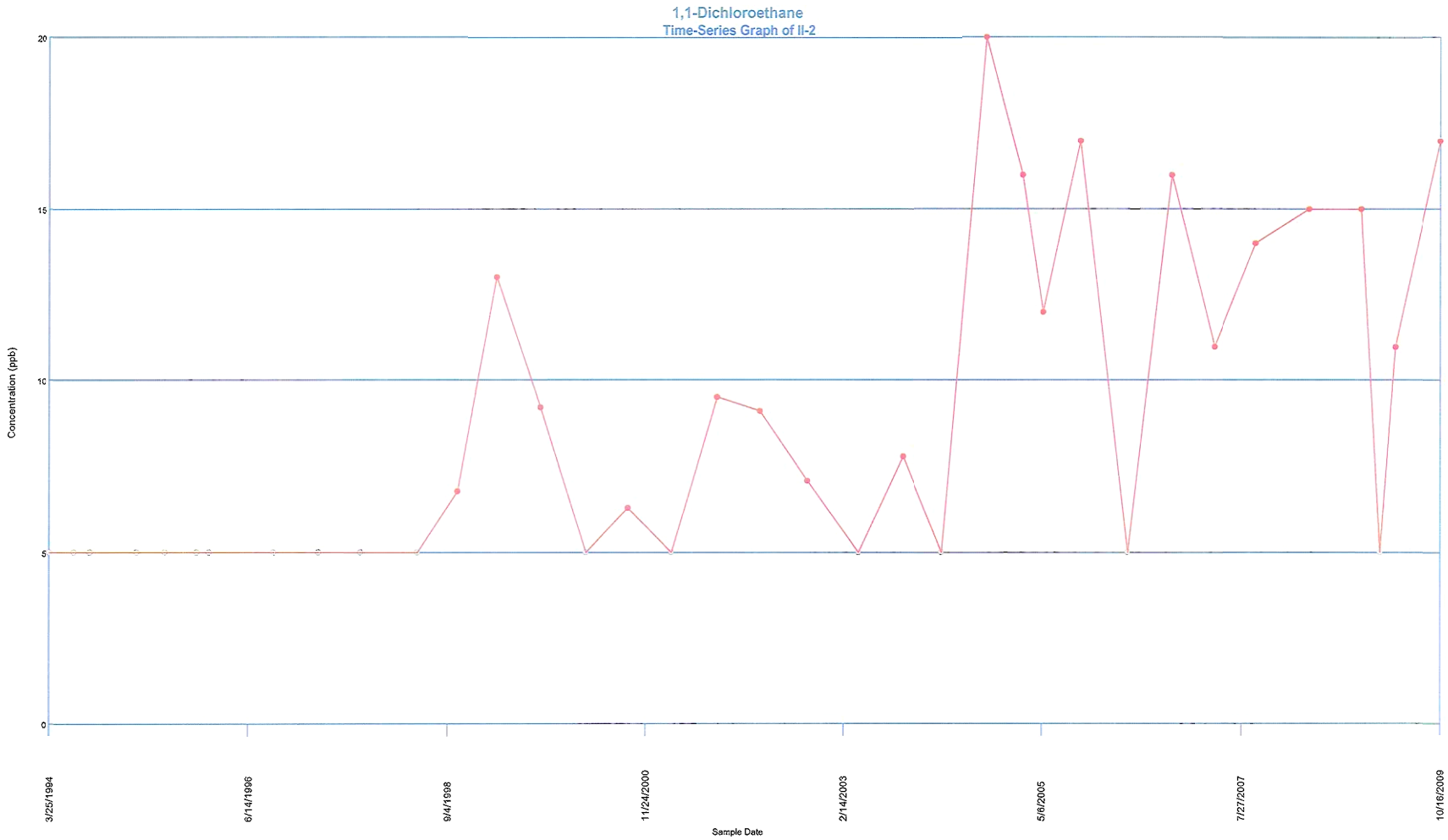

Zinc
Time-Series Graph of II-7
Concentration (ppb)
70
60
50
40
30
20
10
0
3/17/1995
4/16/1997
5/17/1999
6/16/2001
7/17/2003
8/16/2005
9/16/2007
10/16/2009
Sample Date

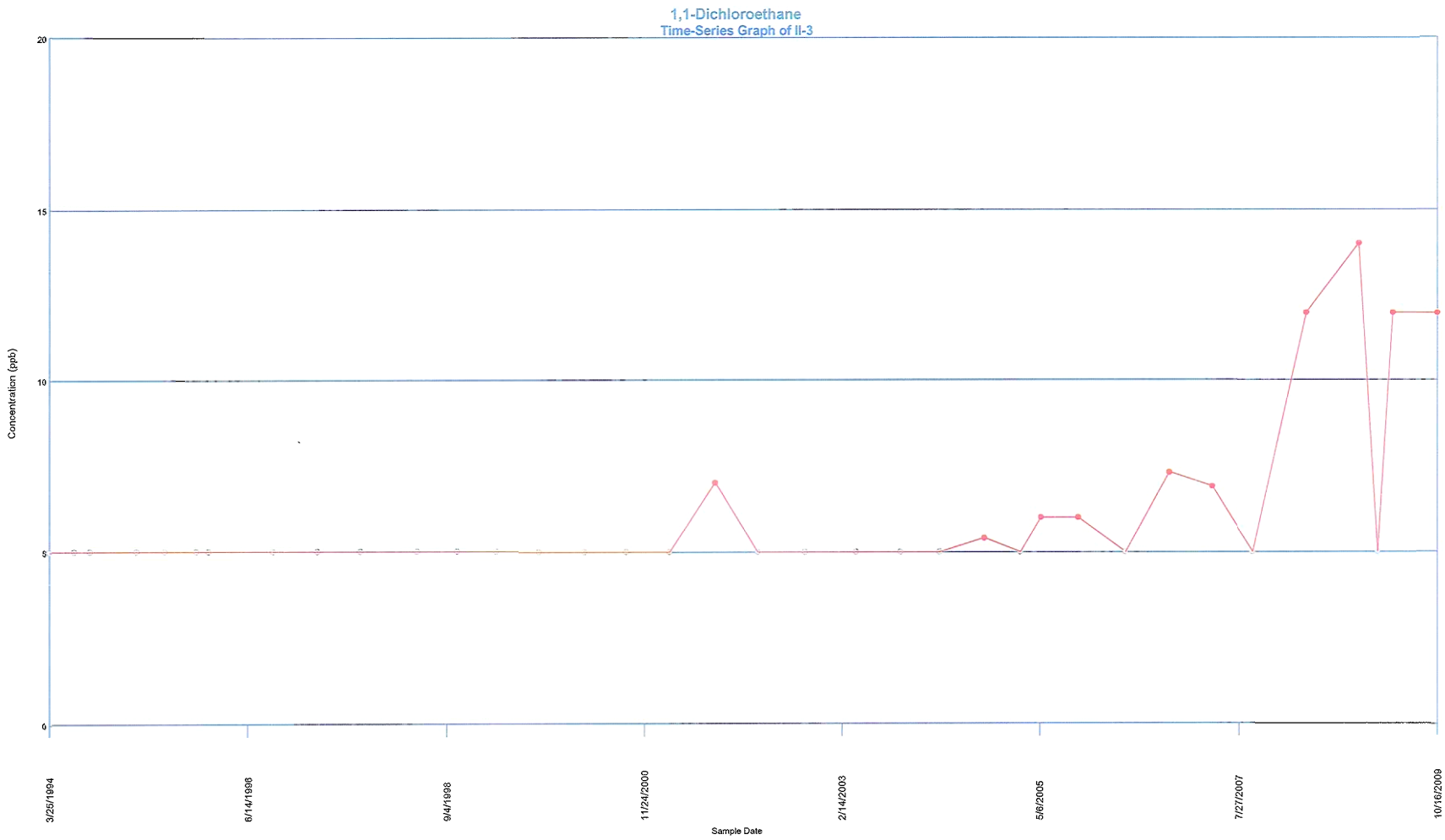

Vinyl chloride
Time-Series Graph of II-1
Concentration (ppb)
100
90
80
70
60
50
40
30
20
10
0
3/25/1994
6/14/1996
9/4/1998
11/24/2000
2/14/2003
5/6/2005
7/27/2007
10/16/2009
Sample Date

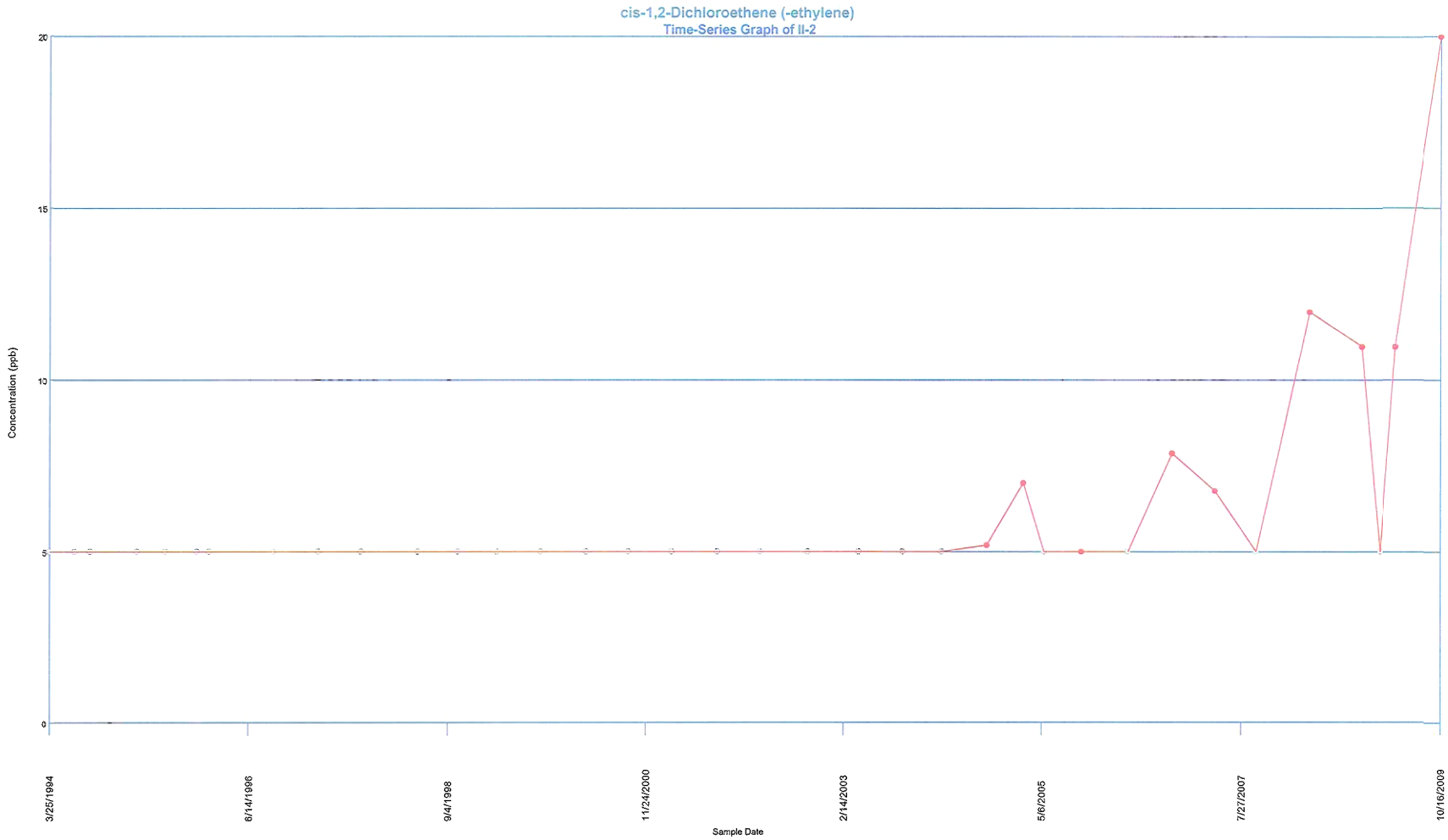

Vinyl chloride
Time-Series Graph of II-2
Concentration (ppb)
10
8
6
4
2
0
3/25/1994
6/14/1996
9/4/1998
11/24/2000
2/14/2003
5/6/2005
7/27/2007
10/16/2009
Sample Date

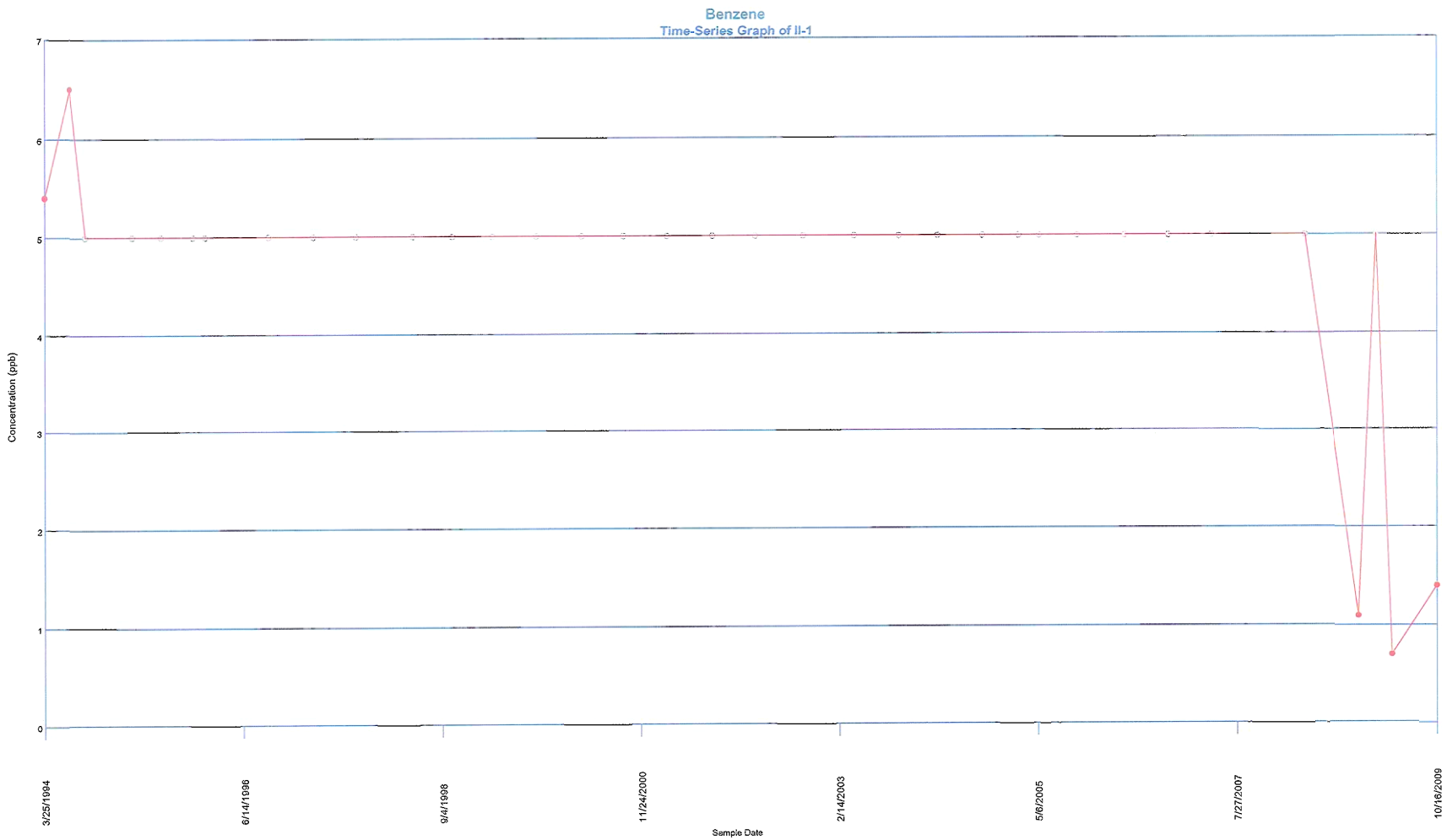

Vinyl chloride
Time-Series Graph of II-7
Concentration (ppb)
10
8
6
4
2
0
3/17/1995
4/16/1997
5/17/1999
6/16/2001
7/17/2003
8/16/2005
9/16/2007
10/16/2009
Sample Date

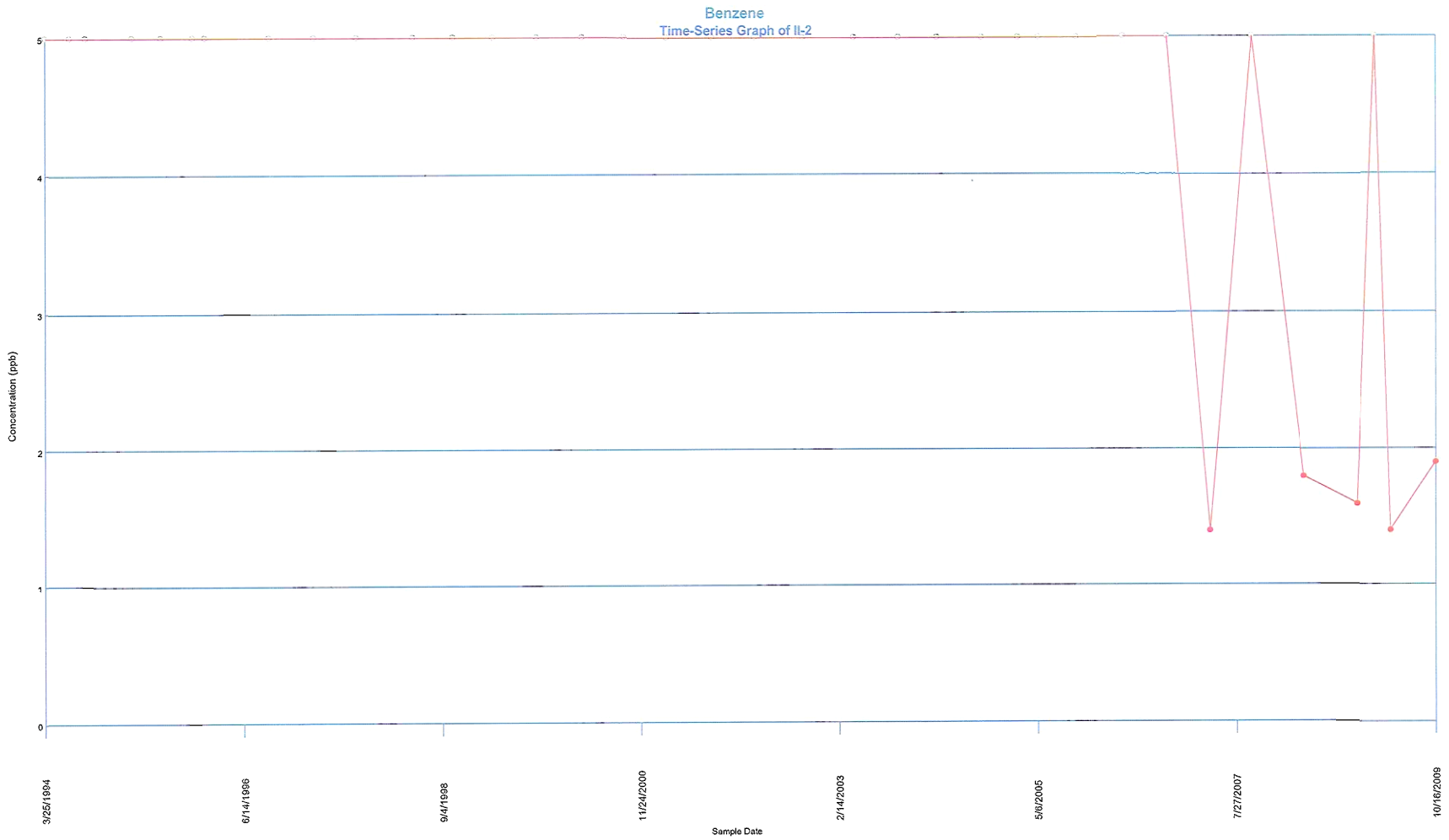

Trichlorofluoromethane
Time-Series Graph of II-2
Concentration (ppb)
40
35
30
25
20
15
10
5
0
3/25/1994
6/14/1996
9/4/1998
11/24/2000
2/14/2003
5/6/2005
7/27/2007
10/16/2009
Sample Date

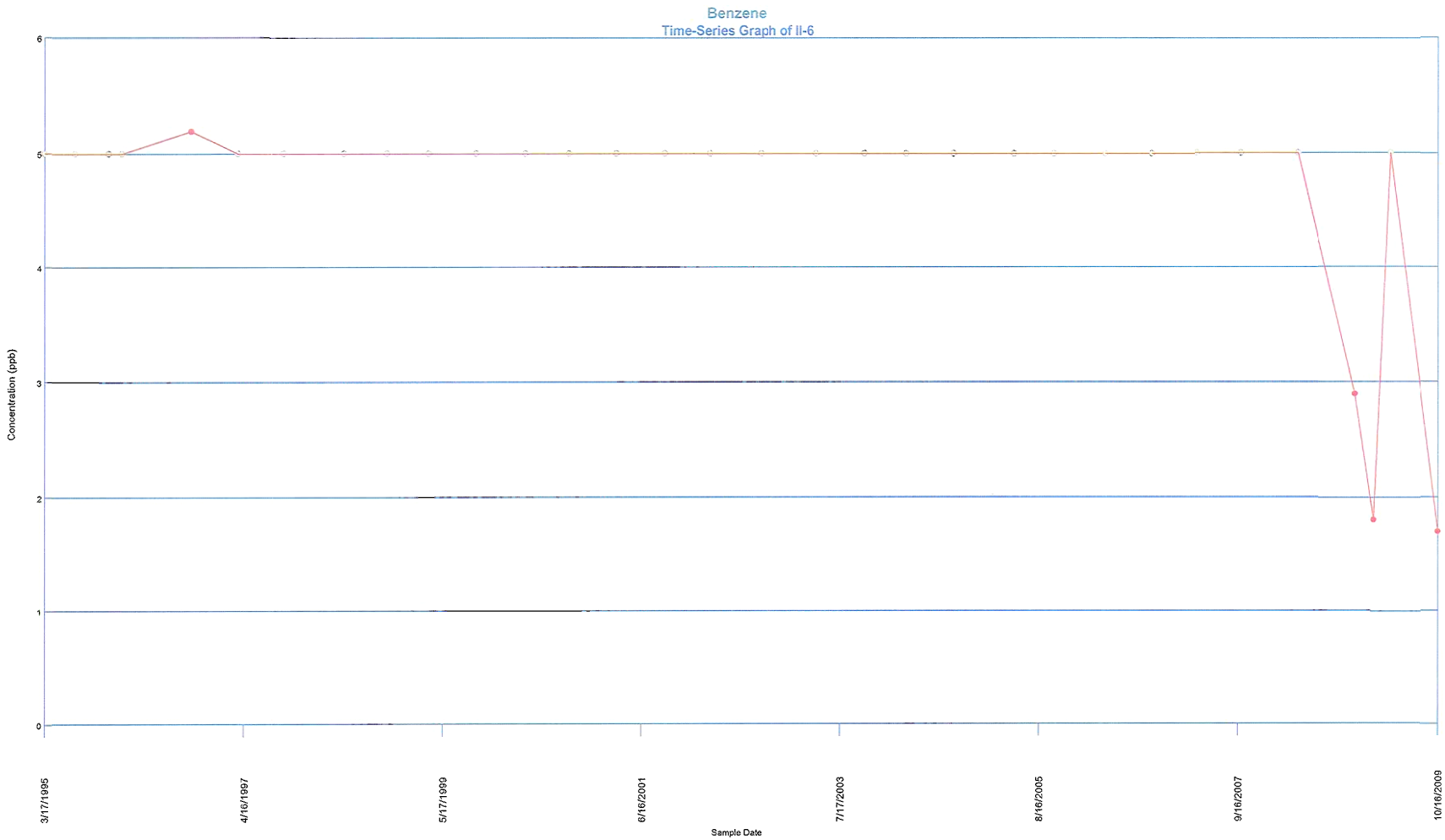

1,1-Dichloroethane
Time-Series Graph of II-2
Concentration (ppb)
20
15
10
5
0
3/25/1994
6/14/1996
9/4/1998
11/24/2000
2/14/2003
5/6/2005
7/27/2007
10/16/2009
Sample Date

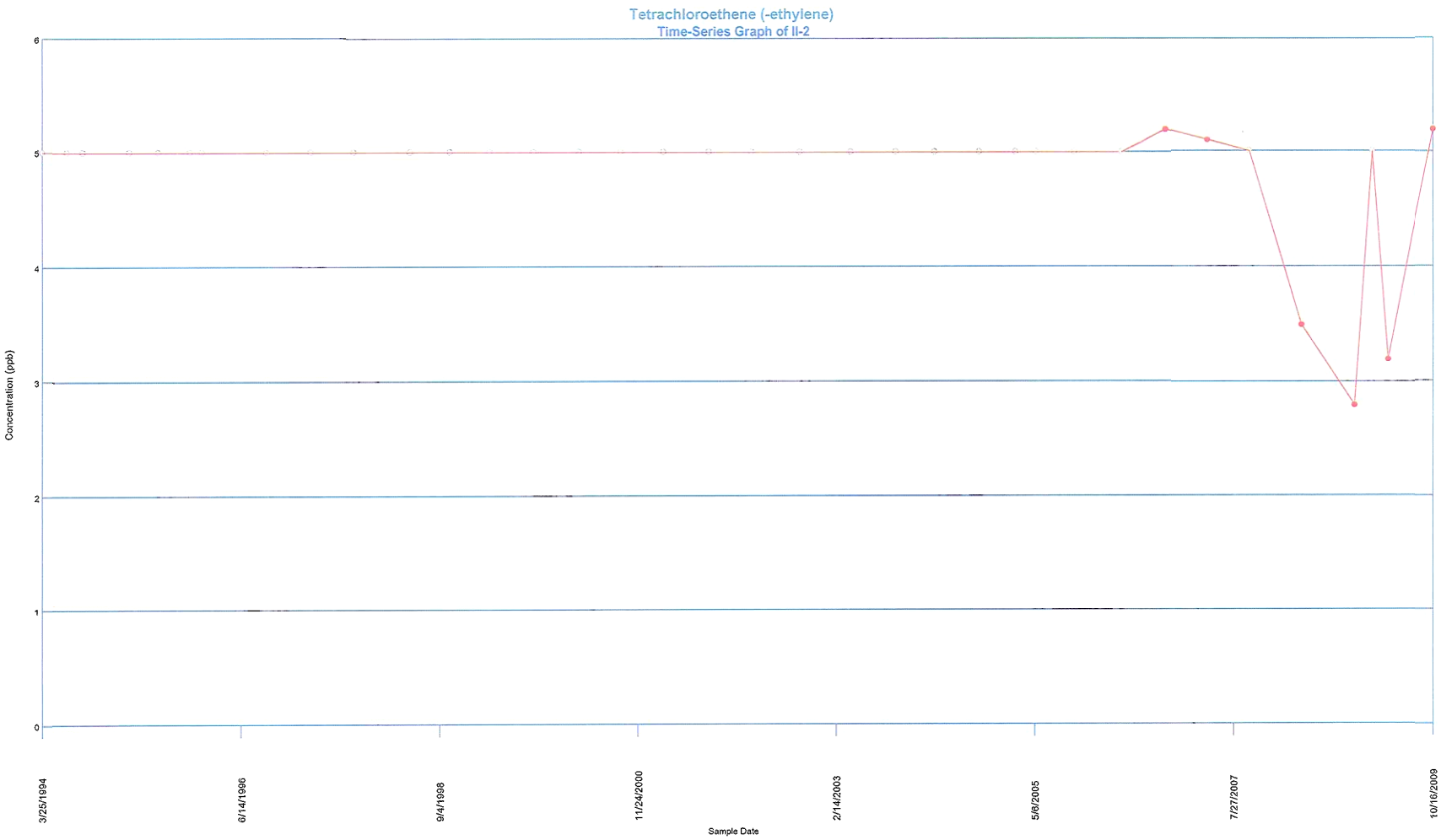

1,1-Dichloroethane
Time-Series Graph of II-3
Concentration (ppb)
20
15
10
5
0
3/25/1994
6/14/1996
9/4/1998
11/24/2000
2/14/2003
5/6/2005
7/27/2007
10/16/2009
Sample Date

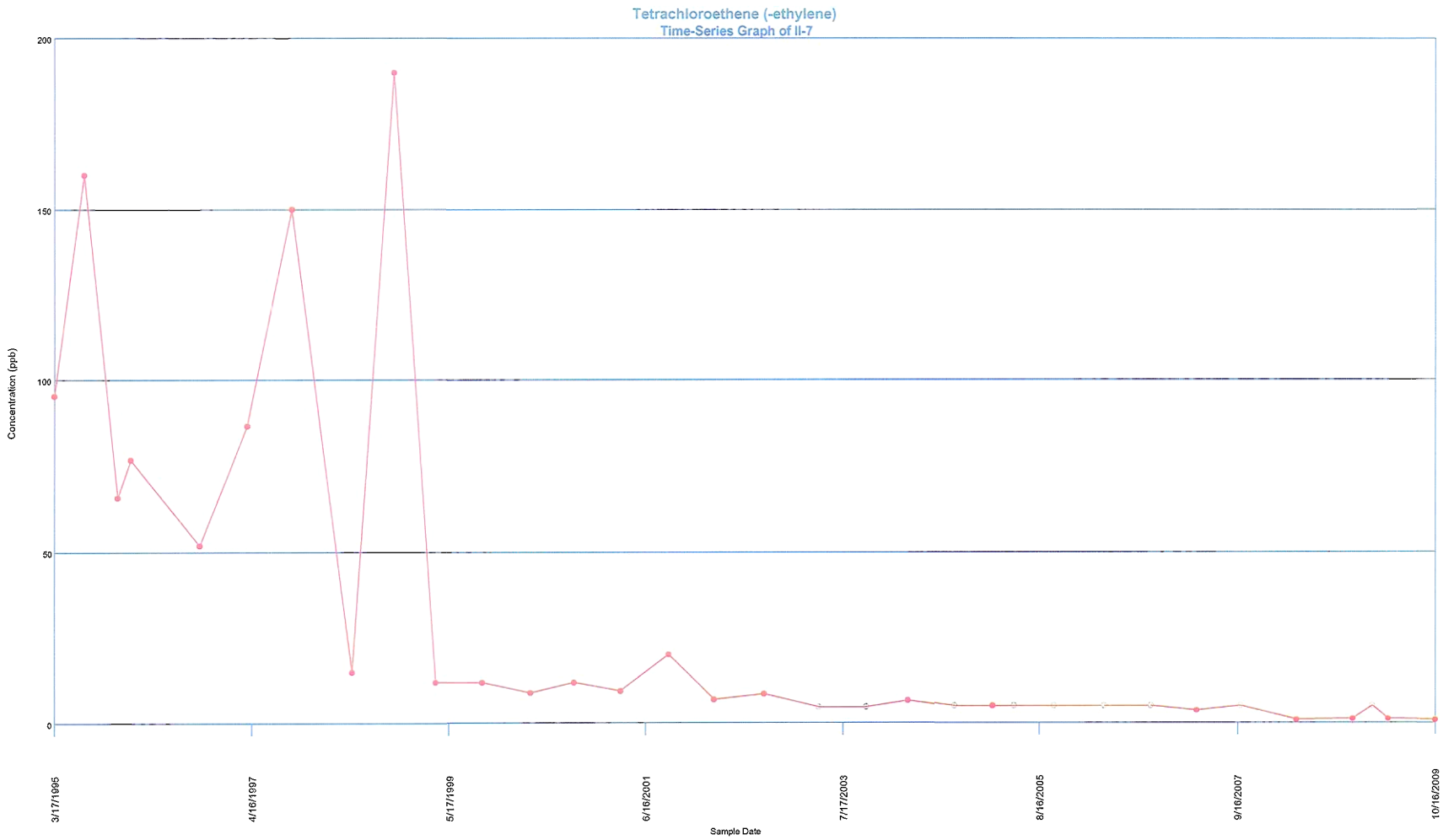

cis-1,2-Dichloroethene (-ethylene)
Time-Series Graph of II-2
Concentration (ppb)
20
15
10
5
0
3/25/1994
6/14/1996
9/4/1998
11/24/2000
2/14/2003
5/6/2005
7/27/2007
10/16/2009
Sample Date

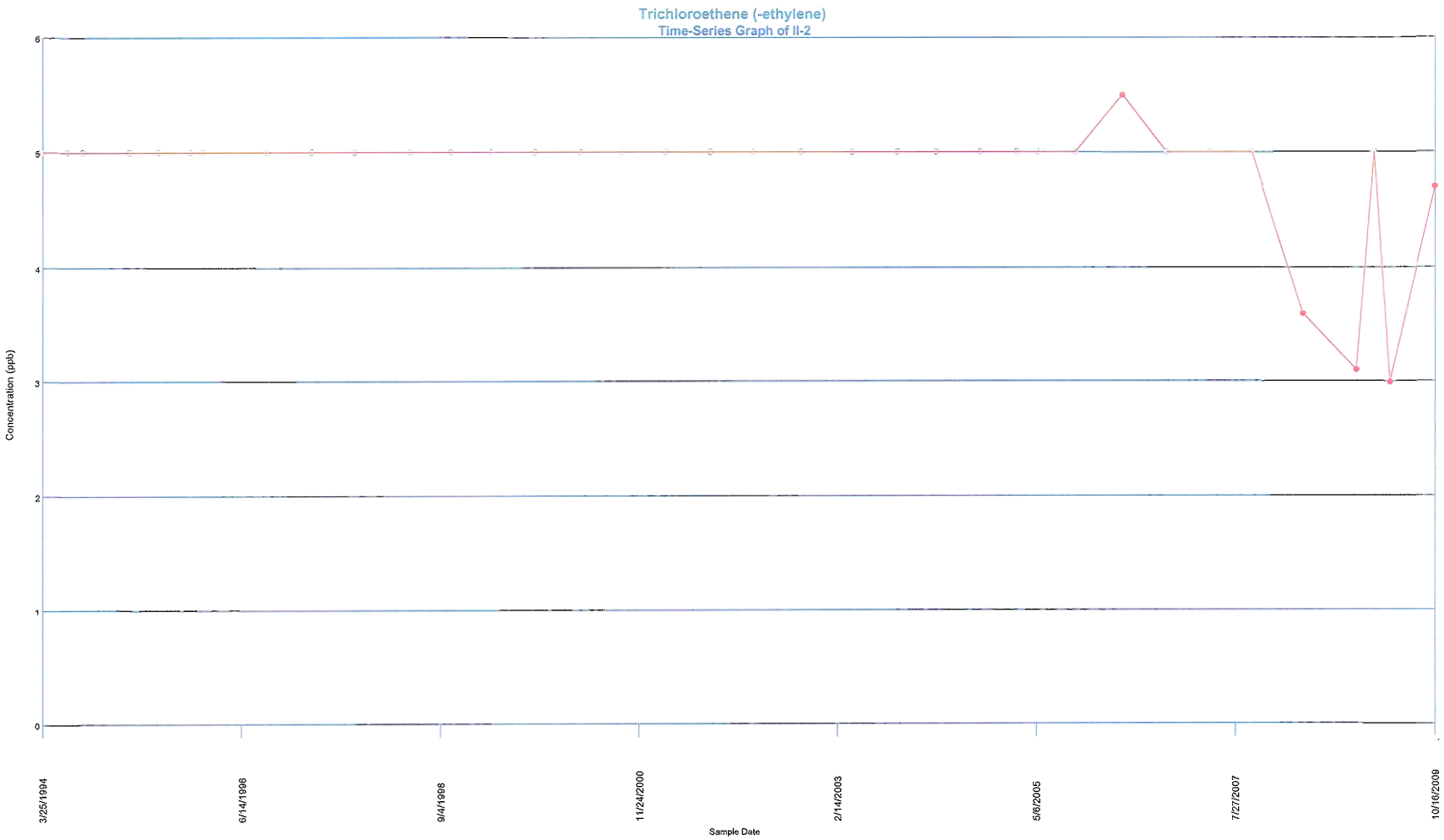

Benzene
Time-Series Graph of II-1
Concentration (ppb)
0
1
2
3
4
5
6
7
3/25/1994
6/14/1996
9/4/1998
11/24/2000
2/14/2003
5/6/2005
7/27/2007
10/16/2009
Sample Date

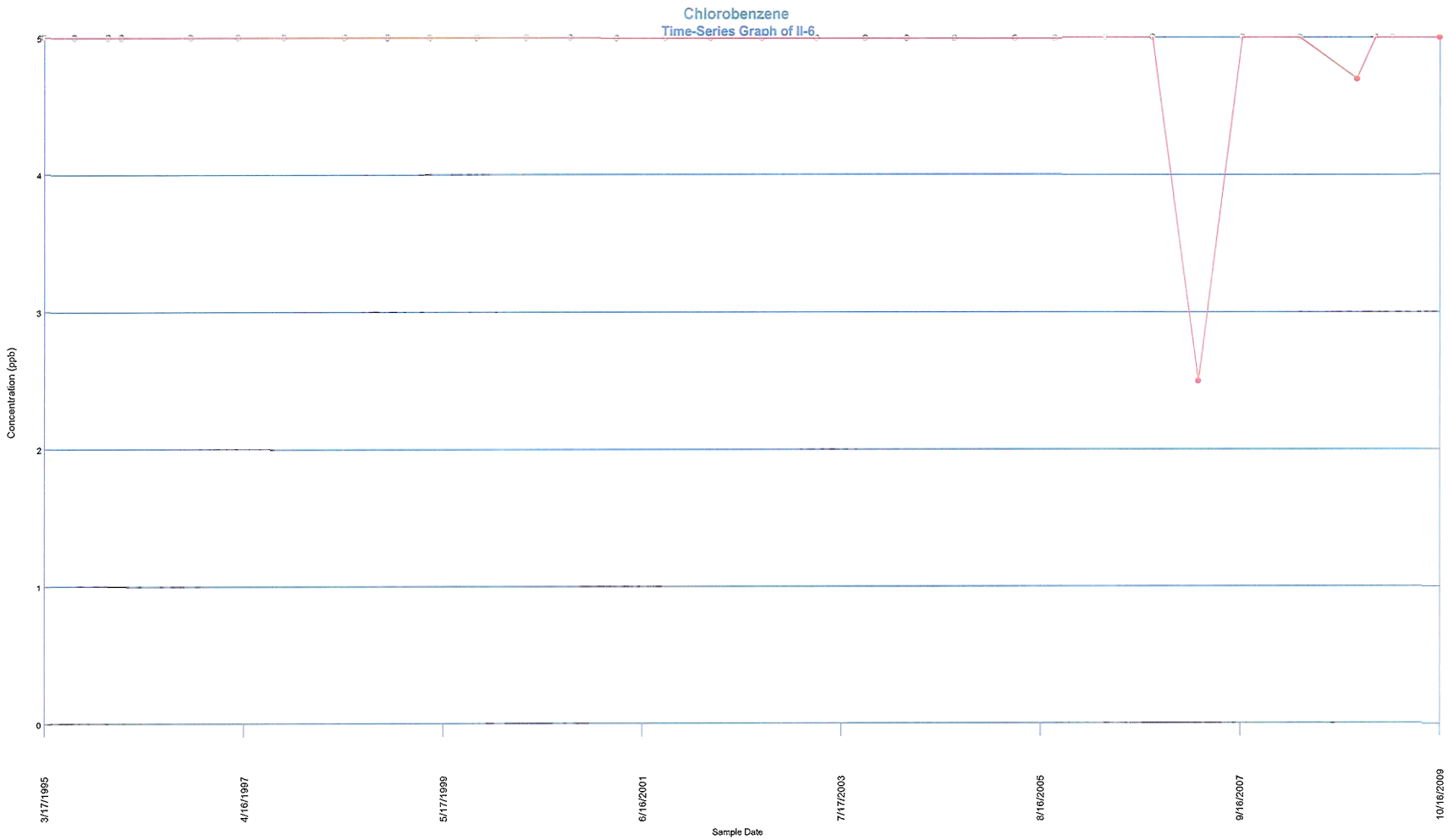

Benzene
Time-Series Graph of II-2
Concentration (ppb)
5
4
3
2
1
0
3/25/1994
6/14/1996
9/4/1998
11/24/2000
2/14/2003
5/6/2005
7/27/2007
10/16/2009
Sample Date

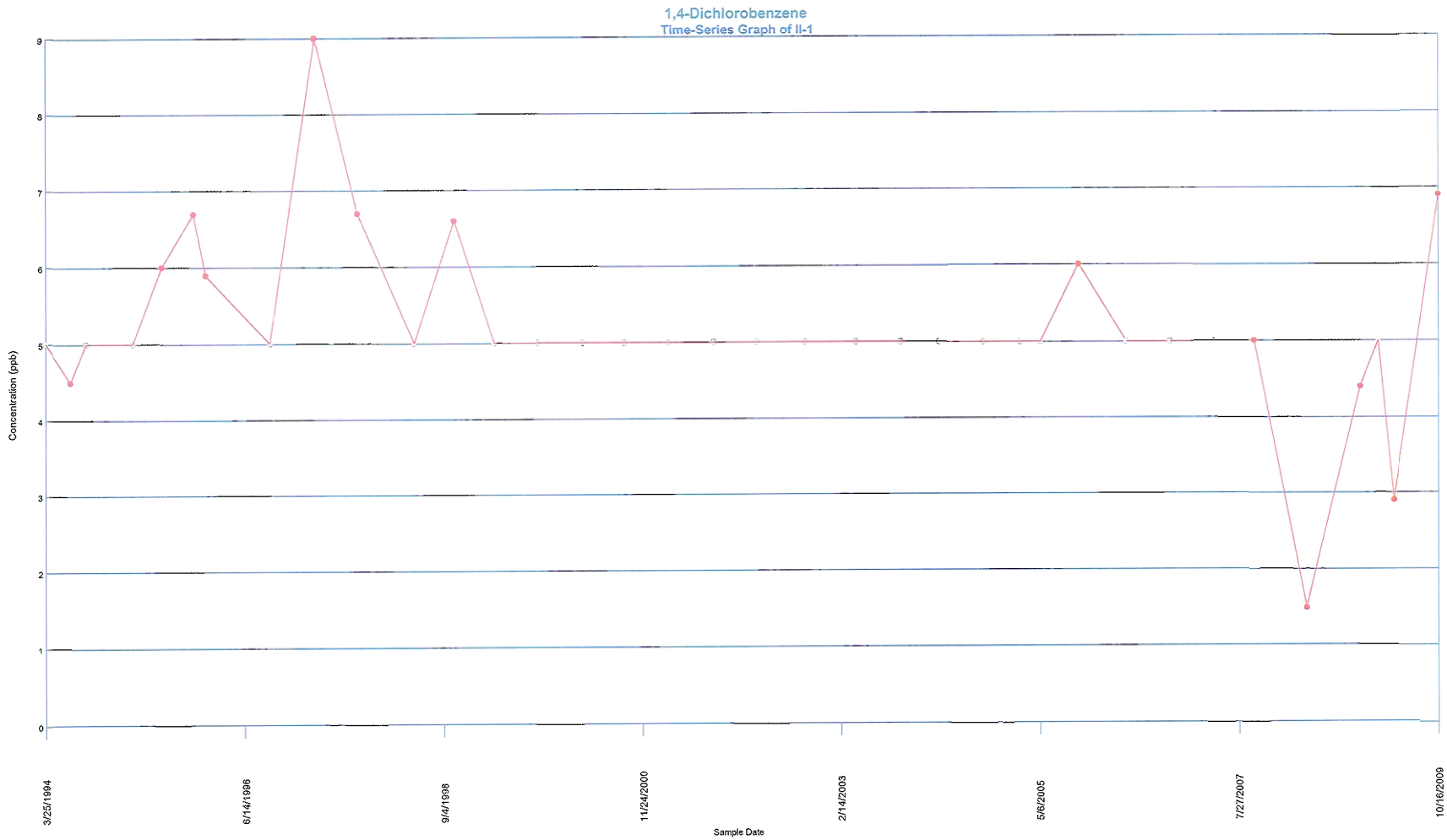

Benzene
Time-Series Graph of II-6
Concentration (ppb)
6
5
4
3
2
1
0
3/17/1995
4/16/1997
5/17/1999
6/16/2001
7/17/2003
8/16/2005
9/16/2007
10/16/2009
Sample Date

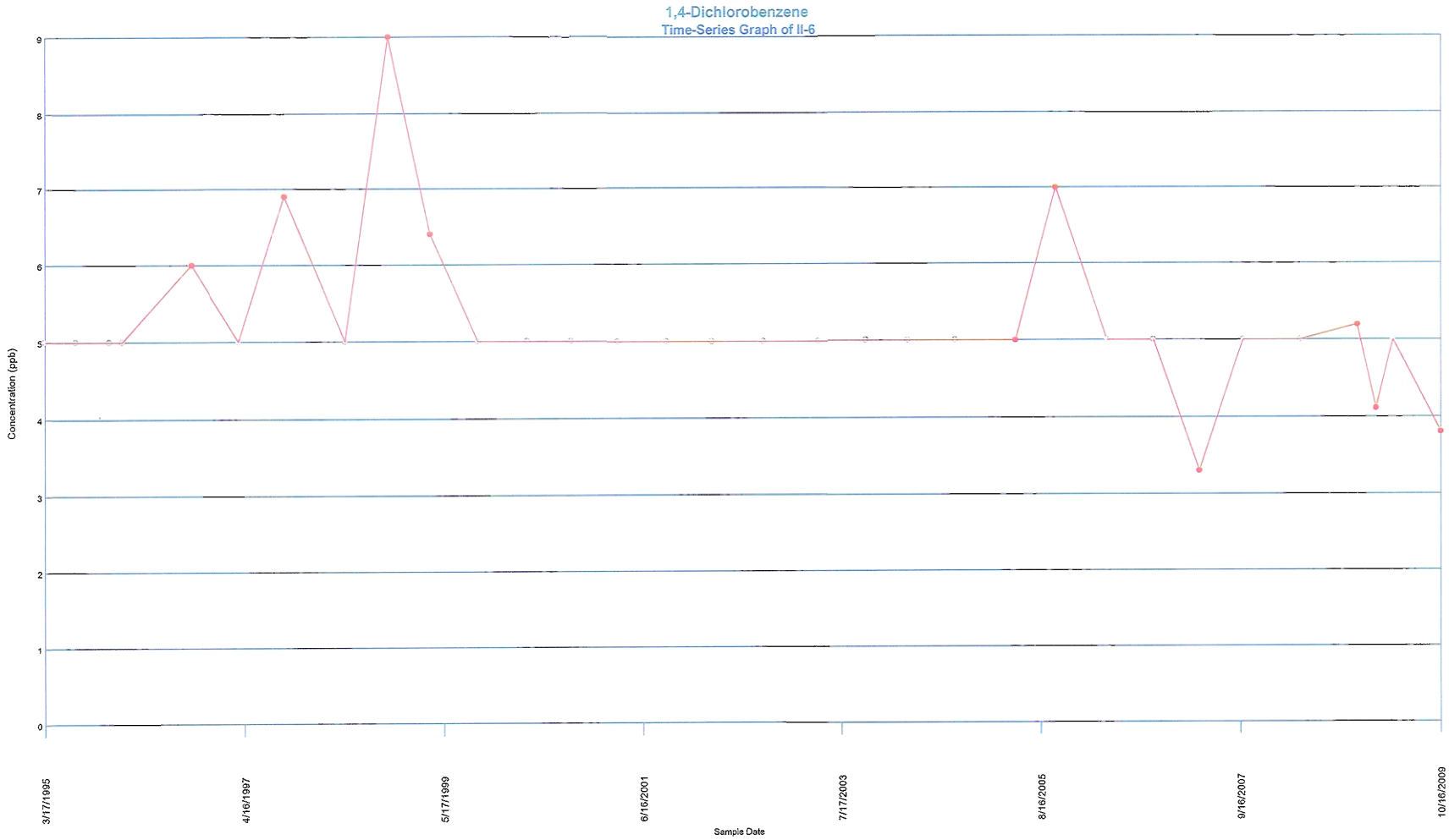

Tetrachloroethene (-ethylene)
Time-Series Graph of II-2
Concentration (ppb)
6
5
4
3
2
1
0
3/25/1994
6/14/1996
9/4/1998
11/24/2000
2/14/2003
5/6/2005
7/27/2007
10/16/2009
Sample Date


Tetrachloroethene (-ethylene)
Time-Series Graph of II-7
Concentration (ppb)
200
150
100
50
0
3/17/1995
4/16/1997
5/17/1999
6/16/2001
7/17/2003
8/16/2005
9/16/2007
10/16/2009
Sample Date


Trichloroethene (-ethylene)
Time-Series Graph of II-2
Concentration (ppb)
6
5
4
3
2
1
0
3/25/1994
6/14/1996
9/4/1998
11/24/2000
2/14/2003
5/6/2005
7/27/2007
10/16/2009
Sample Date


Chlorobenzene
Time-Series Graph of II-6
Concentration (ppb)
5
4
3
2
1
0
3/17/1995
4/16/1997
5/17/1999
6/16/2001
7/17/2003
8/16/2005
9/16/2007
10/16/2009
Sample Date


1,4-Dichlorobenzene
Time-Series Graph of II-1
Concentration (ppb)
0
1
2
3
4
5
6
7
8
9
3/25/1994
6/14/1996
9/4/1998
11/24/2000
2/14/2003
5/6/2005
7/27/2007
10/16/2009
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
4/16/1997
5/17/1999
6/16/2001
7/17/2003
8/16/2005
9/16/2007
10/16/2009
Sample Date

APPENDIX V
Data Distribution Results

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 = 452

i	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	-2.29036	32.6768	-123.586
6	12.5	-2.22621	37.6328	-151.413
7	12.7	-2.17009	42.3421	-178.973
8	13	-2.12007	46.8368	-206.534
9	13.9	-2.07485	51.1418	-235.375
10	14.3	-2.01409	55.1984	-264.176
11	14.4	-1.97737	59.1083	-292.65
12	16.5	-1.94314	62.8841	-324.712
13	17.9	-1.91103	66.5362	-358.92
14	18	-1.88079	70.0735	-392.774
15	19	-1.83843	73.4533	-427.704
16	25	-1.81191	76.7364	-473.002
17	26.4	-1.78661	79.9283	-520.168
18	28	-1.76241	83.0344	-569.516
19	35	-1.7392	86.0592	-630.388
20	35	-1.70604	88.9698	-690.099
21	37.1	-1.68494	91.8088	-752.61
22	39	-1.66456	94.5796	-817.528
23	41.2	-1.64485	97.2852	-885.296
24	41.2	-1.62576	99.9283	-952.278
25	46.2	-1.59819	102.482	-1026.11
26	48	-1.58047	104.98	-1101.98
27	50.4	-1.56322	107.424	-1180.76
28	53	-1.54643	109.815	-1262.72
29	53	-1.52203	112.132	-1343.39
30	55	-1.50626	114.401	-1426.24
31	59	-1.49085	116.624	-1514.2
32	60	-1.47579	118.801	-1602.74
33	60.3	-1.46106	120.936	-1690.85
34	65	-1.43953	123.008	-1784.41
35	69.8	-1.42554	125.041	-1883.92
36	70.4	-1.41183	127.034	-1983.31
37	71.6	-1.39838	128.989	-2083.43
38	72	-1.38517	130.908	-2183.17
39	74.4	-1.36581	132.773	-2284.78
40	74.6	-1.35317	134.605	-2385.73
41	79.2	-1.34075	136.402	-2491.92
42	79.7	-1.32854	138.167	-2597.8
43	80	-1.31652	139.9	-2703.12
44	83	-1.29884	141.587	-2810.93
45	86.8	-1.28727	143.244	-2922.66
46	87.6	-1.27588	144.872	-3034.43
47	88	-1.26464	146.472	-3145.72
48	90.7	-1.25357	148.043	-3259.42
49	106	-1.23724	149.574	-3390.56
50	106	-1.22653	151.078	-3520.57
51	107	-1.21596	152.557	-3650.68
52	107	-1.20553	154.01	-3779.67
53	109	-1.19522	155.439	-3909.95
54	110	-1.18	156.831	-4039.75
55	115	-1.17	158.2	-4174.3
56	119	-1.16012	159.546	-4312.36
57	120	-1.15035	160.869	-4450.4
58	123	-1.1359	162.159	-4590.11
59	125	-1.12639	163.428	-4730.91
60	127	-1.11699	164.676	-4872.77
61	131	-1.10768	165.903	-5017.88
62	132	-1.09847	167.109	-5162.87
63	160	-1.08482	168.286	-5336.45
64	170	-1.07584	169.444	-5519.34
65	194	-1.06694	170.582	-5726.32
66	203	-1.05812	171.702	-5941.12
67	218	-1.04939	172.803	-6169.89
68	220	-1.03643	173.877	-6397.9
69	235	-1.02789	174.934	-6639.46
70	241	-1.01943	175.973	-6885.14
71	244	-1.01104	176.995	-7131.83
72	244	-1.00271	178	-7376.5
73	245	-0.990356	178.981	-7619.13
74	251	-0.982202	179.946	-7865.67
75	292	-0.974114	180.895	-8150.11
76	296	-0.966088	181.828	-8436.07

77	331	-0.958125	182.746	-8753.21
78	356	-0.946291	183.642	-9090.09
79	379	-0.938476	184.522	-9445.77
80	410	-0.930718	185.389	-9827.36
81	485	-0.923014	186.241	-10275
82	486	-0.911562	187.071	-10718
83	488	-0.903992	187.889	-11159.2
84	500	-0.896473	188.692	-11607.4
85	500	-0.889006	189.483	-12051.9
86	500	-0.881587	190.26	-12492.7
87	500	-0.87055	191.018	-12928
88	500	-0.863249	191.763	-13359.6
89	500	-0.855996	192.496	-13787.6
90	500	-0.848786	193.216	-14212
91	500	-0.841621	193.924	-14632.8
92	500	-0.830953	194.615	-15048.3
93	500	-0.823893	195.294	-15460.3
94	500	-0.816874	195.961	-15868.7
95	500	-0.809896	196.617	-16273.6
96	500	-0.802956	197.262	-16675.1
97	500	-0.792618	197.89	-17071.4
98	500	-0.785774	198.507	-17464.3
99	500	-0.778966	199.114	-17853.8
100	500	-0.772193	199.71	-18239.9
101	500	-0.765456	200.296	-18622.6
102	500	-0.755415	200.867	-19000.3
103	500	-0.748762	201.428	-19374.7
104	500	-0.742143	201.978	-19745.8
105	500	-0.735557	202.519	-20113.6
106	500	-0.729003	203.051	-20478.1
107	500	-0.719228	203.568	-20837.7
108	500	-0.712751	204.076	-21194
109	500	-0.706302	204.575	-21547.2
110	500	-0.699883	205.065	-21897.1
111	500	-0.690309	205.541	-22242.3
112	500	-0.68396	206.009	-22584.3
113	500	-0.677639	206.468	-22923.1
114	500	-0.671346	206.919	-23258.8
115	500	-0.665079	207.361	-23591.3
116	500	-0.655726	207.791	-23919.2
117	500	-0.649522	208.213	-24243.9
118	500	-0.643345	208.627	-24565.6
119	500	-0.637192	209.033	-24884.2
120	500	-0.631062	209.431	-25199.7
121	500	-0.621911	209.818	-25510.7
122	500	-0.615839	210.197	-25818.6
123	500	-0.609791	210.569	-26123.5
124	500	-0.603765	210.934	-26425.4
125	500	-0.597761	211.291	-26724.3
126	500	-0.588793	211.638	-27018.7
127	500	-0.582841	211.978	-27310.1
128	500	-0.576911	212.31	-27598.5
129	500	-0.570999	212.636	-27884
130	500	-0.565108	212.956	-28166.6
131	500	-0.556308	213.265	-28444.7
132	500	-0:550465	213.568	-28720
133	500	-0.544642	213.865	-28992.3
134	500	-0.538836	214.155	-29261.7
135	500	-0.530162	214.436	-29526.8
136	500	-0.524401	214.711	-29789
137	500	-0.518658	214.98	-30048.3
138	500	-0.51293	215.243	-30304.8
139	500	-0.507221	215.501	-30558.4
140	500	-0.498687	215.749	-30807.7
141	500	-0.493018	215.992	-31054.3
142	500	-0.487364	216.23	-31297.9
143	500	-0.481728	216.462	-31538.8
144	500	-0.476105	216.689	-31776.9
145	500	-0.467699	216.907	-32010.7
146	500	-0.462114	217.121	-32241.8
147	500	-0.456542	217.329	-32470
148	500	-0.450985	217.533	-32695.5
149	500	-0.445443	217.731	-32918.2
150	500	-0.437153	217.922	-33136.8
151	500	-0.431644	218.109	-33352.6
152	500	-0.426148	218.29	-33565.7
153	500	-0.420664	218.467	-33776
154	500	-0.415193	218.64	-33983.6
155	500	-0.40701	218.805	-34187.1
156	500	-0.401571	218.967	-34387.9
157	500	-0.396142	219.123	-34586
158	500	-0.390726	219.276	-34781.4
159	500	-0.385321	219.425	-34974
160	500	-0.377233	219.567	-35162.6
161	500	-0.371856	219.705	-35348.6
162	500	-0.36649	219.839	-35531.8

163	500	-0.361133	219.97	-35712.4
164	500	-0.353118	220.095	-35888.9
165	500	-0.347787	220.216	-36062.8
166	500	-0.342466	220.333	-36234.1
167	500	-0.337155	220.446	-36402.6
168	500	-0.331854	220.557	-36568.6
169	500	-0.323919	220.662	-36730.5
170	500	-0.318639	220.763	-36889.9
171	500	-0.31337	220.861	-37046.5
172	500	-0.308108	220.956	-37200.6
173	500	-0.302855	221.048	-37352
174	500	-0.294992	221.135	-37499.5
175	500	-0.28976	221.219	-37644.4
176	500	-0.284535	221.3	-37786.7
177	500	-0.279319	221.378	-37926.3
178	500	-0.27411	221.453	-38063.4
179	500	-0.266311	221.524	-38196.5
180	500	-0.26112	221.592	-38327.1
181	500	-0.255936	221.658	-38455.1
182	500	-0.250759	221.721	-38580.4
183	500	-0.24559	221.781	-38703.2
184	500	-0.237847	221.837	-38822.2
185	500	-0.232693	221.892	-38938.5
186	500	-0.227545	221.943	-39052.3
187	500	-0.222403	221.993	-39163.5
188	500	-0.214702	222.039	-39270.8
189	500	-0.209575	222.083	-39375.6
190	500	-0.204452	222.125	-39477.8
191	500	-0.199336	222.164	-39577.5
192	500	-0.194225	222.202	-39674.6
193	500	-0.186567	222.237	-39767.9
194	500	-0.181468	222.27	-39858.6
195	500	-0.176374	222.301	-39946.8
196	500	-0.171285	222.33	-40032.5
197	500	-0.166199	222.358	-40115.6
198	500	-0.158579	222.383	-40194.9
199	500	-0.153505	222.407	-40271.6
200	500	-0.148434	222.429	-40345.8
201	500	-0.143367	222.449	-40417.5
202	500	-0.138305	222.468	-40486.7
203	500	-0.130716	222.485	-40552
204	500	-0.125661	222.501	-40614.9
205	500	-0.12061	222.516	-40675.2
206	500	-0.115562	222.529	-40732.9
207	500	-0.110516	222.541	-40788.2
208	500	-0.102953	222.552	-40839.7
209	500	-0.0979139	222.561	-40888.6
210	500	-0.0928787	222.57	-40935.1
211	500	-0.0878447	222.578	-40979
212	500	-0.0828129	222.585	-41020.4
213	500	-0.0752698	222.59	-41058
214	500	-0.0702426	222.595	-41093.2
215	500	-0.0652187	222.6	-41125.8
216	500	-0.0601949	222.603	-41155.9
217	500	-0.0526632	222.606	-41182.2
218	500	-0.0476439	222.608	-41206
219	500	-0.0426257	222.61	-41227.3
220	500	-0.0376076	222.611	-41246.1
221	500	-0.0325917	222.612	-41262.4
222	500	-0.0250691	222.613	-41275
223	500	-0.0200544	222.614	-41285
224	500	-0.0150408	222.614	-41292.5
225	500	-0.0100272	222.614	-41297.5
226	500	-0.00501359	222.614	-41300
227	500	0.00501359	222.614	-41297.5
228	500	0.0100272	222.614	-41292.5
229	500	0.0150408	222.614	-41285
230	500	0.0200544	222.615	-41275
231	500	0.0250691	222.615	-41262.4
232	500	0.0325917	222.616	-41246.1
233	500	0.0376076	222.618	-41227.3
234	500	0.0426257	222.62	-41206
235	500	0.0476439	222.622	-41182.2
236	500	0.0526632	222.625	-41155.9
237	500	0.0601949	222.628	-41125.8
238	500	0.0652187	222.632	-41093.2
239	500	0.0702426	222.637	-41058
240	500	0.0752698	222.643	-41020.4
241	500	0.0828129	222.65	-40979
242	500	0.0878447	222.658	-40935.1
243	500	0.0928787	222.666	-40888.6
244	500	0.0979139	222.676	-40839.7
245	500	0.102953	222.686	-40788.2
246	500	0.110516	222.699	-40732.9
247	500	0.115562	222.712	-40675.2
248	500	0.12061	222.727	-40614.9

249	500	0.125661	222.742	-40552
250	500	0.130716	222.759	-40486.7
251	500	0.138305	222.779	-40417.5
252	500	0.143367	222.799	-40345.8
253	500	0.148434	222.821	-40271.6
254	500	0.153505	222.845	-40194.9
255	500	0.158579	222.87	-40115.6
256	500	0.166199	222.897	-40032.5
257	500	0.171285	222.927	-39946.8
258	500	0.176374	222.958	-39858.6
259	500	0.181468	222.991	-39767.9
260	500	0.186567	223.026	-39674.6
261	500	0.194225	223.063	-39577.5
262	500	0.199336	223.103	-39477.8
263	500	0.204452	223.145	-39375.6
264	500	0.209575	223.189	-39270.8
265	500	0.214702	223.235	-39163.5
266	500	0.222403	223.284	-39052.3
267	500	0.227545	223.336	-38938.5
268	500	0.232693	223.39	-38822.2
269	500	0.237847	223.447	-38703.2
270	500	0.24559	223.507	-38580.4
271	500	0.250759	223.57	-38455.1
272	500	0.255936	223.636	-38327.1
273	500	0.26112	223.704	-38196.5
274	500	0.266311	223.775	-38063.4
275	500	0.27411	223.85	-37926.3
276	500	0.279319	223.928	-37786.7
277	500	0.284535	224.009	-37644.4
278	500	0.28976	224.093	-37499.5
279	500	0.294992	224.18	-37352
280	500	0.302855	224.272	-37200.6
281	500	0.308108	224.366	-37046.5
282	500	0.31337	224.465	-36889.9
283	500	0.318639	224.566	-36730.5
284	500	0.323919	224.671	-36568.6
285	500	0.331854	224.781	-36402.6
286	500	0.337155	224.895	-36234.1
287	500	0.342466	225.012	-36062.8
288	500	0.347787	225.133	-35888.9
289	500	0.353118	225.258	-35712.4
290	500	0.361133	225.388	-35531.8
291	500	0.36649	225.523	-35348.6
292	500	0.371856	225.661	-35162.6
293	500	0.377233	225.803	-34974
294	500	0.385321	225.952	-34781.4
295	500	0.390726	226.104	-34586
296	500	0.396142	226.261	-34387.9
297	500	0.401571	226.422	-34187.1
298	500	0.40701	226.588	-33983.6
299	500	0.415193	226.761	-33776
300	500	0.420664	226.937	-33565.7
301	500	0.426148	227.119	-33352.6
302	500	0.431644	227.305	-33136.8
303	500	0.437153	227.497	-32918.2
304	500	0.445443	227.695	-32695.5
305	500	0.450985	227.898	-32470
306	500	0.456542	228.107	-32241.8
307	500	0.462114	228.32	-32010.7
308	500	0.467699	228.539	-31776.9
309	500	0.476105	228.766	-31538.8
310	500	0.481728	228.998	-31297.9
311	500	0.487364	229.235	-31054.3
312	500	0.493018	229.478	-30807.7
313	500	0.498687	229.727	-30558.4
314	500	0.507221	229.984	-30304.8
315	500	0.51293	230.247	-30048.3
316	500	0.518658	230.516	-29789
317	500	0.524401	230.791	-29526.8
318	500	0.530162	231.073	-29261.7
319	500	0.538836	231.363	-28992.3
320	500	0.544642	231.659	-28720
321	500	0.550465	231.962	-28444.7
322	500	0.556308	232.272	-28166.6
323	500	0.565108	232.591	-27884
324	500	0.570999	232.917	-27598.5
325	500	0.576911	233.25	-27310.1
326	500	0.582841	233.59	-27018.7
327	500	0.588793	233.937	-26724.3
328	500	0.597761	234.294	-26425.4
329	500	0.603765	234.658	-26123.5
330	500	0.609791	235.03	-25818.6
331	500	0.615839	235.41	-25510.7
332	500	0.621911	235.796	-25199.7
333	500	0.631062	236.195	-24884.2
334	500	0.637192	236.601	-24565.6

335	500	0.643345	237.014	-24243.9
336	500	0.649522	237.436	-23919.2
337	500	0.655726	237.866	-23591.3
338	500	0.665079	238.309	-23258.8
339	500	0.671346	238.759	-22923.1
340	500	0.677639	239.219	-22584.3
341	500	0.68396	239.686	-22242.3
342	500	0.690309	240.163	-21897.1
343	500	0.699883	240.653	-21547.2
344	500	0.706302	241.152	-21194
345	500	0.712751	241.66	-20837.7
346	500	0.719228	242.177	-20478.1
347	500	0.729003	242.708	-20113.6
348	500	0.735557	243.249	-19745.8
349	500	0.742143	243.8	-19374.7
350	500	0.748762	244.361	-19000.3
351	500	0.755415	244.931	-18622.6
352	500	0.765456	245.517	-18239.9
353	500	0.772193	246.114	-17853.8
354	500	0.778966	246.72	-17464.3
355	500	0.785774	247.338	-17071.4
356	500	0.792618	247.966	-16675.1
357	500	0.802956	248.611	-16273.6
358	500	0.809896	249.267	-15868.7
359	500	0.816874	249.934	-15460.3
360	500	0.823893	250.613	-15048.3
361	500	0.830953	251.303	-14632.8
362	500	0.841621	252.012	-14212
363	500	0.848786	252.732	-13787.6
364	500	0.855996	253.465	-13359.6
365	500	0.863249	254.21	-12928
366	500	0.87055	254.968	-12492.7
367	500	0.881587	255.745	-12051.9
368	500	0.889006	256.535	-11607.4
369	500	0.896473	257.339	-11159.2
370	500	0.903992	258.156	-10707.2
371	500	0.911562	258.987	-10251.4
372	500	0.923014	259.839	-9789.91
373	500	0.930718	260.705	-9324.55
374	500	0.938476	261.586	-8855.31
375	500	0.946291	262.482	-8382.17
376	500	0.958125	263.4	-7903.1
377	500	0.966088	264.333	-7420.06
378	500	0.974114	265.282	-6933
379	500	0.982202	266.247	-6441.9
380	500	0.990356	267.227	-5946.72
381	500	1.00271	268.233	-5445.37
382	500	1.01104	269.255	-4939.85
383	500	1.01943	270.294	-4430.14
384	500	1.02789	271.351	-3916.19
385	500	1.03643	272.425	-3397.98
386	500	1.04939	273.526	-2873.28
387	500	1.05812	274.646	-2344.22
388	500	1.06694	275.784	-1810.75
389	500	1.07584	276.942	-1272.83
390	500	1.08482	278.118	-730.423
391	500	1.09847	279.325	-181.188
392	500	1.10768	280.552	372.652
393	500	1.11699	281.8	931.146
394	500	1.12639	283.068	1494.34
395	500	1.1359	284.359	2062.29
396	500	1.15035	285.682	2637.46
397	500	1.16012	287.028	3217.52
398	500	1.17	288.397	3802.52
399	500	1.18	289.789	4392.52
400	500	1.19522	291.218	4990.14
401	500	1.20553	292.671	5592.9
402	500	1.21596	294.15	6200.88
403	500	1.22653	295.654	6814.14
404	500	1.23724	297.185	7432.76
405	500	1.25357	298.756	8059.54
406	500	1.26464	300.355	8691.86
407	500	1.27588	301.983	9329.8
408	500	1.28727	303.64	9973.44
409	500	1.29884	305.327	10622.9
410	500	1.31652	307.061	11281.1
411	500	1.32854	308.826	11945.4
412	500	1.34075	310.623	12615.8
413	500	1.35317	312.454	13292.3
414	500	1.36581	314.32	13975.3
415	500	1.38517	316.238	14667.8
416	500	1.39838	318.194	15367
417	500	1.41183	320.187	16072.9
418	500	1.42554	322.219	16785.7
419	500	1.43953	324.292	17505.5
420	500	1.46106	326.426	18236

421	500	1.47579	328.604	18973.9
422	500	1.49085	330.827	19719.3
423	500	1.50626	333.096	20472.5
424	526	1.52203	335.412	21273.1
425	532	1.54643	337.804	22095.8
426	552	1.56322	340.247	22958.7
427	558	1.58047	342.745	23840.6
428	560	1.59819	345.299	24735.5
429	567	1.62576	347.943	25657.3
430	570	1.64485	350.648	26594.9
431	570	1.66456	353.419	27543.7
432	575	1.68494	356.258	28512.6
433	580	1.70604	359.169	29502.1
434	600	1.7392	362.193	30545.6
435	600	1.76241	365.299	31603
436	603	1.78661	368.491	32680.3
437	620	1.81191	371.774	33803.7
438	640	1.83843	375.154	34980.3
439	650	1.88079	378.692	36202.8
440	658	1.91103	382.344	37460.3
441	658	1.94314	386.119	38738.9
442	680	1.97737	390.029	40083.5
443	700	2.01409	394.086	41493.4
444	723	2.07485	398.391	42993.5
445	730	2.12007	402.886	44541.1
446	870	2.17009	407.595	46429.1
447	878	2.22621	412.551	48383.7
448	1000	2.29036	417.797	50674.1
449	1010	2.40892	423.6	53107.1
450	1200	2.51213	429.91	56121.6
451	1300	2.65209	436.944	59569.4
452	2880	2.87815	445.228	67858.4

Data Set Standard Deviation = 209.821
Numerator = 4.60477e+009
Denominator = 8.84006e+009
W Statistic = 0.520898 = 4.60477e+009 / 8.84006e+009

5% Critical value of 0.976 exceeds 0.520898
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.520898
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 = 452

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	1.51	-2.40892	27.431	-10.0348
5	1.6	-2.29036	32.6768	-13.6993
6	1.9	-2.22621	37.6328	-17.9291
7	2.29	-2.17009	42.3421	-22.8987
8	2.4	-2.12007	46.8368	-27.9868
9	2.8	-2.07485	51.1418	-33.7964
10	3	-2.01409	55.1984	-39.8387
11	3	-1.97737	59.1083	-45.7708
12	3.3	-1.94314	62.8841	-52.1831
13	3.55	-1.91103	66.5362	-58.9673
14	3.6	-1.88079	70.0735	-65.7381
15	3.69	-1.83843	73.4533	-72.5219
16	3.77	-1.81191	76.7364	-79.3528
17	5	-1.78661	79.9283	-88.2859
18	5.25	-1.76241	83.0344	-97.5385
19	5.9	-1.7392	86.0592	-107.8
20	6	-1.70604	88.9698	-118.036
21	6.7	-1.68494	91.8088	-129.325
22	6.9	-1.66456	94.5796	-140.811
23	6.9	-1.64485	97.2852	-152.16
24	7	-1.62576	99.9283	-163.54
25	9	-1.59819	102.482	-177.924
26	9.4	-1.58047	104.98	-192.781
27	10	-1.56322	107.424	-208.413
28	10	-1.54643	109.815	-223.877
29	10	-1.52203	112.132	-239.097
30	10	-1.50626	114.401	-254.16
31	10	-1.49085	116.624	-269.069
32	10	-1.47579	118.801	-283.826
33	10	-1.46106	120.936	-298.437
34	10	-1.43953	123.008	-312.832
35	10	-1.42554	125.041	-327.088
36	10	-1.41183	127.034	-341.206
37	10	-1.39838	128.989	-355.19
38	10	-1.38517	130.908	-369.042
39	10	-1.36581	132.773	-382.7
40	10	-1.35317	134.605	-396.231
41	10	-1.34075	136.402	-409.639
42	10	-1.32854	138.167	-422.924
43	10	-1.31652	139.9	-436.09
44	10	-1.29884	141.587	-449.078
45	10	-1.28727	143.244	-461.951
46	10	-1.27588	144.872	-474.709
47	10	-1.26464	146.472	-487.356
48	10	-1.25357	148.043	-499.891
49	10	-1.23724	149.574	-512.264
50	10	-1.22653	151.078	-524.529
51	10	-1.21596	152.557	-536.689
52	10	-1.20553	154.01	-548.744
53	10	-1.19522	155.439	-560.696
54	10	-1.18	156.831	-572.496
55	10	-1.17	158.2	-584.196
56	10	-1.16012	159.546	-595.797
57	10	-1.15035	160.869	-607.301
58	10	-1.1359	162.159	-618.66
59	10	-1.12639	163.428	-629.924
60	10	-1.11699	164.676	-641.094
61	10	-1.10768	165.903	-652.17
62	10	-1.09847	167.109	-663.155
63	10	-1.08482	168.286	-674.003
64	10	-1.07584	169.444	-684.762
65	10	-1.06694	170.582	-695.431
66	10	-1.05812	171.702	-706.012
67	10	-1.04939	172.803	-716.506
68	10	-1.03643	173.877	-726.87
69	10	-1.02789	174.934	-737.149
70	10	-1.01943	175.973	-747.344
71	10	-1.01104	176.995	-757.454
72	10	-1.00271	178	-767.481
73	10	-0.990356	178.981	-777.385
74	10	-0.982202	179.946	-787.207
75	10	-0.974114	180.895	-796.948
76	10	-0.966088	181.828	-806.609

77	10	-0.958125	182.746	-816.19
78	10	-0.946291	183.642	-825.653
79	10	-0.938476	184.522	-835.038
80	10	-0.930718	185.389	-844.345
81	10	-0.923014	186.241	-853.575
82	10	-0.911562	187.071	-862.691
83	10	-0.903992	187.889	-871.731
84	10	-0.896473	188.692	-880.695
85	10	-0.889006	189.483	-889.585
86	10	-0.881587	190.26	-898.401
87	10	-0.87055	191.018	-907.107
88	10	-0.863249	191.763	-915.739
89	10	-0.855996	192.496	-924.299
90	10	-0.848786	193.216	-932.787
91	10	-0.841621	193.924	-941.203
92	10	-0.830953	194.615	-949.513
93	10	-0.823893	195.294	-957.752
94	10	-0.816874	195.961	-965.92
95	10	-0.809896	196.617	-974.019
96	10	-0.802956	197.262	-982.049
97	10	-0.792618	197.89	-989.975
98	10	-0.785774	198.507	-997.833
99	10	-0.778966	199.114	-1005.62
100	10	-0.772193	199.71	-1013.34
101	10	-0.765456	200.296	-1021
102	10	-0.755415	200.867	-1028.55
103	10	-0.748762	201.428	-1036.04
104	10	-0.742143	201.978	-1043.46
105	10	-0.735557	202.519	-1050.82
106	10	-0.729003	203.051	-1058.11
107	10	-0.719228	203.568	-1065.3
108	10	-0.712751	204.076	-1072.43
109	10	-0.706302	204.575	-1079.49
110	10	-0.699883	205.065	-1086.49
111	10	-0.690309	205.541	-1093.39
112	10	-0.68396	206.009	-1100.23
113	10	-0.677639	206.468	-1107.01
114	10	-0.671346	206.919	-1113.72
115	10	-0.665079	207.361	-1120.37
116	10	-0.655726	207.791	-1126.93
117	10	-0.649522	208.213	-1133.43
118	10	-0.643345	208.627	-1139.86
119	10	-0.637192	209.033	-1146.23
120	10	-0.631062	209.431	-1152.54
121	10	-0.621911	209.818	-1158.76
122	10	-0.615839	210.197	-1164.92
123	10	-0.609791	210.569	-1171.02
124	10	-0.603765	210.934	-1177.05
125	10	-0.597761	211.291	-1183.03
126	10	-0.588793	211.638	-1188.92
127	10	-0.582841	211.978	-1194.75
128	10	-0.576911	212.31	-1200.52
129	10	-0.570999	212.636	-1206.23
130	10	-0.565108	212.956	-1211.88
131	10	-0.556308	213.265	-1217.44
132	10	-0.550465	213.568	-1222.95
133	10	-0.544642	213.865	-1228.39
134	10	-0.538836	214.155	-1233.78
135	10	-0.530162	214.436	-1239.08
136	10	-0.524401	214.711	-1244.33
137	10	-0.518658	214.98	-1249.51
138	10	-0.51293	215.243	-1254.64
139	10	-0.507221	215.501	-1259.71
140	10	-0.498687	215.749	-1264.7
141	10	-0.493018	215.992	-1269.63
142	10	-0.487364	216.23	-1274.51
143	10	-0.481728	216.462	-1279.32
144	10	-0.476105	216.689	-1284.08
145	10	-0.467699	216.907	-1288.76
146	10	-0.462114	217.121	-1293.38
147	10	-0.456542	217.329	-1297.95
148	10	-0.450985	217.533	-1302.46
149	10	-0.445443	217.731	-1306.91
150	10	-0.437153	217.922	-1311.28
151	10	-0.431644	218.109	-1315.6
152	10	-0.426148	218.29	-1319.86
153	10	-0.420664	218.467	-1324.07
154	10	-0.415193	218.64	-1328.22
155	10	-0.40701	218.805	-1332.29
156	10	-0.401571	218.967	-1336.31
157	10	-0.396142	219.123	-1340.27
158	10	-0.390726	219.276	-1344.17
159	10	-0.385321	219.425	-1348.03
160	10	-0.377233	219.567	-1351.8
161	10	-0.371856	219.705	-1355.52
162	10	-0.36649	219.839	-1359.18

163	10	-0.361133	219.97	-1362.79
164	10	-0.353118	220.095	-1366.33
165	10	-0.347787	220.216	-1369.8
166	10	-0.342466	220.333	-1373.23
167	10	-0.337155	220.446	-1376.6
168	10	-0.331854	220.557	-1379.92
169	10	-0.323919	220.662	-1383.16
170	10	-0.318639	220.763	-1386.34
171	10	-0.31337	220.861	-1389.48
172	10	-0.308108	220.956	-1392.56
173	10	-0.302855	221.048	-1395.59
174	10	-0.294992	221.135	-1398.54
175	10	-0.28976	221.219	-1401.43
176	10	-0.284535	221.3	-1404.28
177	10	-0.279319	221.378	-1407.07
178	10	-0.27411	221.453	-1409.81
179	10	-0.266311	221.524	-1412.48
180	10	-0.26112	221.592	-1415.09
181	10	-0.255936	221.658	-1417.65
182	10	-0.250759	221.721	-1420.16
183	10	-0.24559	221.781	-1422.61
184	10	-0.237847	221.837	-1424.99
185	10	-0.232693	221.892	-1427.32
186	10	-0.227545	221.943	-1429.59
187	10	-0.222403	221.993	-1431.82
188	10	-0.214702	222.039	-1433.96
189	10	-0.209575	222.083	-1436.06
190	10	-0.204452	222.125	-1438.1
191	10	-0.199336	222.164	-1440.1
192	10	-0.194225	222.202	-1442.04
193	10	-0.186567	222.237	-1443.9
194	10	-0.181468	222.27	-1445.72
195	10	-0.176374	222.301	-1447.48
196	10	-0.171285	222.33	-1449.2
197	10	-0.166199	222.358	-1450.86
198	10	-0.158579	222.383	-1452.44
199	10	-0.153505	222.407	-1453.98
200	10	-0.148434	222.429	-1455.46
201	10	-0.143367	222.449	-1456.9
202	10	-0.138305	222.468	-1458.28
203	10	-0.130716	222.485	-1459.59
204	10	-0.125661	222.501	-1460.84
205	10	-0.12061	222.516	-1462.05
206	10	-0.115562	222.529	-1463.21
207	10	-0.110516	222.541	-1464.31
208	10	-0.102953	222.552	-1465.34
209	10	-0.0979139	222.561	-1466.32
210	10	-0.0928787	222.57	-1467.25
211	10	-0.0878447	222.578	-1468.13
212	10	-0.0828129	222.585	-1468.95
213	10	-0.0752698	222.59	-1469.71
214	10	-0.0702426	222.595	-1470.41
215	10	-0.0652187	222.6	-1471.06
216	10	-0.0601949	222.603	-1471.66
217	10	-0.0526632	222.606	-1472.19
218	10	-0.0476439	222.608	-1472.67
219	10	-0.0426257	222.61	-1473.09
220	10	-0.0376076	222.611	-1473.47
221	10	-0.0325917	222.612	-1473.8
222	10	-0.0250691	222.613	-1474.05
223	10	-0.0200544	222.614	-1474.25
224	10	-0.0150408	222.614	-1474.4
225	10	-0.0100272	222.614	-1474.5
226	10	-0.00501359	222.614	-1474.55
227	10	0.00501359	222.614	-1474.5
228	10	0.0100272	222.614	-1474.4
229	10	0.0150408	222.614	-1474.25
230	10	0.0200544	222.615	-1474.05
231	10	0.0250691	222.615	-1473.8
232	10	0.0325917	222.616	-1473.47
233	10	0.0376076	222.618	-1473.09
234	10	0.0426257	222.62	-1472.67
235	10	0.0476439	222.622	-1472.19
236	10	0.0526632	222.625	-1471.66
237	10	0.0601949	222.628	-1471.06
238	10	0.0652187	222.632	-1470.41
239	10	0.0702426	222.637	-1469.71
240	10	0.0752698	222.643	-1468.95
241	10	0.0828129	222.65	-1468.13
242	10	0.0878447	222.658	-1467.25
243	10	0.0928787	222.666	-1466.32
244	10	0.0979139	222.676	-1465.34
245	10	0.102953	222.686	-1464.31
246	10	0.110516	222.699	-1463.21
247	10	0.115562	222.712	-1462.05
248	10	0.12061	222.727	-1460.84

249	10	0.125661	222.742	-1459.59
250	10	0.130716	222.759	-1458.28
251	10	0.138305	222.779	-1456.9
252	10	0.143367	222.799	-1455.46
253	10	0.148434	222.821	-1453.98
254	10	0.153505	222.845	-1452.44
255	10	0.158579	222.87	-1450.86
256	10	0.166199	222.897	-1449.2
257	10	0.171285	222.927	-1447.48
258	10	0.176374	222.958	-1445.72
259	10	0.181468	222.991	-1443.9
260	10	0.186567	223.026	-1442.04
261	10	0.194225	223.063	-1440.1
262	10	0.199336	223.103	-1438.1
263	10	0.204452	223.145	-1436.06
264	10	0.209575	223.189	-1433.96
265	10	0.214702	223.235	-1431.82
266	10	0.222403	223.284	-1429.59
267	10	0.227545	223.336	-1427.32
268	10	0.232693	223.39	-1424.99
269	10	0.237847	223.447	-1422.61
270	10	0.24559	223.507	-1420.16
271	10	0.250759	223.57	-1417.65
272	10	0.255936	223.636	-1415.09
273	10	0.26112	223.704	-1412.48
274	10	0.266311	223.775	-1409.81
275	10	0.27411	223.85	-1407.07
276	10	0.279319	223.928	-1404.28
277	10	0.284535	224.009	-1401.43
278	10	0.28976	224.093	-1398.54
279	10	0.294992	224.18	-1395.59
280	10	0.302855	224.272	-1392.56
281	10	0.308108	224.366	-1389.48
282	10	0.31337	224.465	-1386.34
283	10	0.318639	224.566	-1383.16
284	10	0.323919	224.671	-1379.92
285	10	0.331854	224.781	-1376.6
286	10	0.337155	224.895	-1373.23
287	10	0.342466	225.012	-1369.8
288	10	0.347787	225.133	-1366.33
289	10	0.353118	225.258	-1362.79
290	10	0.361133	225.388	-1359.18
291	10	0.36649	225.523	-1355.52
292	10	0.371856	225.661	-1351.8
293	10	0.377233	225.803	-1348.03
294	10	0.385321	225.952	-1344.17
295	10	0.390726	226.104	-1340.27
296	10	0.396142	226.261	-1336.31
297	10	0.401571	226.422	-1332.29
298	10	0.40701	226.588	-1328.22
299	10	0.415193	226.761	-1324.07
300	10	0.420664	226.937	-1319.86
301	10	0.426148	227.119	-1315.6
302	10	0.431644	227.305	-1311.28
303	10	0.437153	227.497	-1306.91
304	10	0.445443	227.695	-1302.46
305	10	0.450985	227.898	-1297.95
306	10	0.456542	228.107	-1293.38
307	10	0.462114	228.32	-1288.76
308	10	0.467699	228.539	-1284.08
309	10	0.476105	228.766	-1279.32
310	10	0.481728	228.998	-1274.51
311	10	0.487364	229.235	-1269.63
312	10	0.493018	229.478	-1264.7
313	10	0.498687	229.727	-1259.71
314	10	0.507221	229.984	-1254.64
315	10	0.51293	230.247	-1249.51
316	10	0.518658	230.516	-1244.33
317	10	0.524401	230.791	-1239.08
318	10	0.530162	231.073	-1233.78
319	10	0.538836	231.363	-1228.39
320	10	0.544642	231.659	-1222.95
321	10	0.550465	231.962	-1217.44
322	10	0.556308	232.272	-1211.88
323	10	0.565108	232.591	-1206.23
324	10	0.570999	232.917	-1200.52
325	10	0.576911	233.25	-1194.75
326	10	0.582841	233.59	-1188.92
327	10	0.588793	233.937	-1183.03
328	10	0.597761	234.294	-1177.05
329	10	0.603765	234.658	-1171.02
330	10	0.609791	235.03	-1164.92
331	10	0.615839	235.41	-1158.76
332	10	0.621911	235.796	-1152.54
333	10	0.631062	236.195	-1146.23
334	10	0.637192	236.601	-1139.86

335	10	0.643345	237.014	-1133.43
336	10	0.649522	237.436	-1126.93
337	10	0.655726	237.866	-1120.37
338	10	0.665079	238.309	-1113.72
339	10	0.671346	238.759	-1107.01
340	10	0.677639	239.219	-1100.23
341	10	0.68396	239.686	-1093.39
342	10	0.690309	240.163	-1086.49
343	10	0.699883	240.653	-1079.49
344	10	0.706302	241.152	-1072.43
345	10	0.712751	241.66	-1065.3
346	10	0.719228	242.177	-1058.11
347	10	0.729003	242.708	-1050.82
348	10	0.735557	243.249	-1043.46
349	10	0.742143	243.8	-1036.04
350	10	0.748762	244.361	-1028.55
351	10	0.755415	244.931	-1021
352	10	0.765456	245.517	-1013.34
353	10	0.772193	246.114	-1005.62
354	10	0.778966	246.72	-997.833
355	10	0.785774	247.338	-989.975
356	10	0.792618	247.966	-982.049
357	10	0.802956	248.611	-974.019
358	10	0.809896	249.267	-965.92
359	10	0.816874	249.934	-957.752
360	10	0.823893	250.613	-949.513
361	10	0.830953	251.303	-941.203
362	10	0.841621	252.012	-932.787
363	10	0.848786	252.732	-924.299
364	10	0.855996	253.465	-915.739
365	10	0.863249	254.21	-907.107
366	10	0.87055	254.968	-898.401
367	10	0.881587	255.745	-889.585
368	10	0.889006	256.535	-880.695
369	10	0.896473	257.339	-871.731
370	10	0.903992	258.156	-862.691
371	10	0.911562	258.987	-853.575
372	10	0.923014	259.839	-844.345
373	11	0.930718	260.705	-834.107
374	11	0.938476	261.586	-823.784
375	11	0.946291	262.482	-813.375
376	11	0.958125	263.4	-802.835
377	12	0.966088	264.333	-791.242
378	12	0.974114	265.282	-779.553
379	12	0.982202	266.247	-767.766
380	12	0.990356	267.227	-755.882
381	12.2	1.00271	268.233	-743.649
382	13	1.01104	269.255	-730.505
383	13	1.01943	270.294	-717.253
384	13	1.02789	271.351	-703.89
385	13	1.03643	272.425	-690.417
386	13	1.04939	273.526	-676.775
387	13	1.05812	274.646	-663.019
388	13	1.06694	275.784	-649.149
389	13	1.07584	276.942	-635.163
390	13	1.08482	278.118	-621.06
391	14	1.09847	279.325	-605.682
392	14	1.10768	280.552	-590.174
393	14	1.11699	281.8	-574.536
394	14.2	1.12639	283.068	-558.542
395	15	1.1359	284.359	-541.503
396	16	1.15035	285.682	-523.098
397	16	1.16012	287.028	-504.536
398	16.3	1.17	288.397	-485.465
399	17	1.18	289.789	-465.405
400	18	1.19522	291.218	-443.891
401	19	1.20553	292.671	-420.986
402	20	1.21596	294.15	-396.667
403	20	1.22653	295.654	-372.136
404	20	1.23724	297.185	-347.391
405	20	1.25357	298.756	-322.32
406	20	1.26464	300.355	-297.027
407	21	1.27588	301.983	-270.234
408	22	1.28727	303.64	-241.914
409	23	1.29884	305.327	-212.04
410	23	1.31652	307.061	-181.761
411	23	1.32854	308.826	-151.204
412	23.7	1.34075	310.623	-119.428
413	24.7	1.35317	312.454	-86.0048
414	25	1.36581	314.32	-51.8597
415	25	1.38517	316.238	-17.2304
416	28	1.39838	318.194	21.9241
417	28	1.41183	320.187	61.4554
418	29	1.42554	322.219	102.796
419	29	1.43953	324.292	144.543
420	29	1.46106	326.426	186.913

421	30	1.47579	328.604	231.187
422	32	1.49085	330.827	278.894
423	32	1.50626	333.096	327.095
424	32	1.52203	335.412	375.8
425	32	1.54643	337.804	425.286
426	33	1.56322	340.247	476.872
427	33	1.58047	342.745	529.027
428	36	1.59819	345.299	586.562
429	36	1.62576	347.943	645.09
430	36	1.64485	350.648	704.304
431	38	1.66456	353.419	767.558
432	41	1.68494	356.258	836.64
433	41	1.70604	359.169	906.588
434	42	1.7392	362.193	979.634
435	45	1.76241	365.299	1058.94
436	47	1.78661	368.491	1142.91
437	48	1.81191	371.774	1229.89
438	51	1.83843	375.154	1323.64
439	51	1.88079	378.692	1419.57
440	53	1.91103	382.344	1520.85
441	54	1.94314	386.119	1625.78
442	59	1.97737	390.029	1742.44
443	60	2.01409	394.086	1863.29
444	61	2.07485	398.391	1989.86
445	61	2.12007	402.886	2119.18
446	68.7	2.17009	407.595	2268.26
447	75	2.22621	412.551	2435.23
448	94	2.29036	417.797	2650.52
449	118	2.40892	423.6	2934.78
450	140	2.51213	429.91	3286.48
451	210	2.65209	436.944	3843.41
452	260	2.87815	445.228	4591.73

Data Set Standard Deviation = 19.6013
Numerator = 2.1084e+007
Denominator = 7.71487e+007
W Statistic = 0.273291 = 2.1084e+007 / 7.71487e+007

5% Critical value of 0.976 exceeds 0.273291
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.273291
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 = 452

i	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	2.1	-2.40892	27.431	-14.673
5	2.3	-2.29036	32.6768	-19.9408
6	3	-2.22621	37.6328	-26.6194
7	3	-2.17009	42.3421	-33.1297
8	3	-2.12007	46.8368	-39.4899
9	3	-2.07485	51.1418	-45.7145
10	4	-2.01409	55.1984	-53.7708
11	4.1	-1.97737	59.1083	-61.878
12	4.3	-1.94314	62.8841	-70.2335
13	4.4	-1.91103	66.5362	-78.6421
14	5.3	-1.88079	70.0735	-88.6102
15	6	-1.83843	73.4533	-99.6408
16	7	-1.81191	76.7364	-112.324
17	7	-1.78661	79.9283	-124.83
18	7	-1.76241	83.0344	-137.167
19	8	-1.7392	86.0592	-151.081
20	9	-1.70604	88.9698	-166.435
21	10	-1.68494	91.8088	-183.285
22	10	-1.66456	94.5796	-199.93
23	10	-1.64485	97.2852	-216.379
24	10	-1.62576	99.9283	-232.636
25	10	-1.59819	102.482	-248.618
26	10	-1.58047	104.98	-264.423
27	10	-1.56322	107.424	-280.055
28	10	-1.54643	109.815	-295.52
29	10	-1.52203	112.132	-310.74
30	10	-1.50626	114.401	-325.803
31	10	-1.49085	116.624	-340.711
32	10	-1.47579	118.801	-355.469
33	10	-1.46106	120.936	-370.08
34	10	-1.43953	123.008	-384.475
35	10	-1.42554	125.041	-398.73
36	10	-1.41183	127.034	-412.849
37	10	-1.39838	128.989	-426.832
38	10	-1.38517	130.908	-440.684
39	10	-1.36581	132.773	-454.342
40	10	-1.35317	134.605	-467.874
41	10	-1.34075	136.402	-481.281
42	10	-1.32854	138.167	-494.567
43	10	-1.31652	139.9	-507.732
44	10	-1.29884	141.587	-520.72
45	10	-1.28727	143.244	-533.593
46	10	-1.27588	144.872	-546.352
47	10	-1.26464	146.472	-558.998
48	10	-1.25357	148.043	-571.534
49	10	-1.23724	149.574	-583.906
50	10	-1.22653	151.078	-596.172
51	10	-1.21596	152.557	-608.331
52	10	-1.20553	154.01	-620.386
53	10	-1.19522	155.439	-632.339
54	10	-1.18	156.831	-644.139
55	10	-1.17	158.2	-655.839
56	10	-1.16012	159.546	-667.44
57	10	-1.15035	160.869	-678.943
58	10	-1.1359	162.159	-690.302
59	10	-1.12639	163.428	-701.566
60	10	-1.11699	164.676	-712.736
61	10	-1.10768	165.903	-723.813
62	10	-1.09847	167.109	-734.798
63	10	-1.08482	168.286	-745.646
64	10	-1.07584	169.444	-756.404
65	10	-1.06694	170.582	-767.074
66	10	-1.05812	171.702	-777.655
67	10	-1.04939	172.803	-788.149
68	10	-1.03643	173.877	-798.513
69	10	-1.02789	174.934	-808.792
70	10	-1.01943	175.973	-818.986
71	10	-1.01104	176.995	-829.097
72	10	-1.00271	178	-839.124
73	10	-0.990356	178.981	-849.027
74	10	-0.982202	179.946	-858.849
75	10	-0.974114	180.895	-868.59
76	10	-0.966088	181.828	-878.251

77	10	-0.958125	182.746	-887.833
78	10	-0.946291	183.642	-897.295
79	10	-0.938476	184.522	-906.68
80	10	-0.930718	185.389	-915.987
81	10	-0.923014	186.241	-925.217
82	10	-0.911562	187.071	-934.333
83	10	-0.903992	187.889	-943.373
84	10	-0.896473	188.692	-952.338
85	10	-0.889006	189.483	-961.228
86	10	-0.881587	190.26	-970.044
87	10	-0.87055	191.018	-978.749
88	10	-0.863249	191.763	-987.382
89	10	-0.855996	192.496	-995.942
90	10	-0.848786	193.216	-1004.43
91	10	-0.841621	193.924	-1012.85
92	10	-0.830953	194.615	-1021.16
93	10	-0.823893	195.294	-1029.39
94	10	-0.816874	195.961	-1037.56
95	10	-0.809896	196.617	-1045.66
96	10	-0.802956	197.262	-1053.69
97	10	-0.792618	197.89	-1061.62
98	10	-0.785774	198.507	-1069.48
99	10	-0.778966	199.114	-1077.27
100	10	-0.772193	199.71	-1084.99
101	10	-0.765456	200.296	-1092.64
102	10	-0.755415	200.867	-1100.2
103	10	-0.748762	201.428	-1107.68
104	10	-0.742143	201.978	-1115.1
105	10	-0.735557	202.519	-1122.46
106	10	-0.729003	203.051	-1129.75
107	10	-0.719228	203.568	-1136.94
108	10	-0.712751	204.076	-1144.07
109	10	-0.706302	204.575	-1151.13
110	10	-0.699883	205.065	-1158.13
111	10	-0.690309	205.541	-1165.04
112	10	-0.68396	206.009	-1171.87
113	10	-0.677639	206.468	-1178.65
114	10	-0.671346	206.919	-1185.36
115	10	-0.665079	207.361	-1192.02
116	10	-0.655726	207.791	-1198.57
117	10	-0.649522	208.213	-1205.07
118	10	-0.643345	208.627	-1211.5
119	10	-0.637192	209.033	-1217.87
120	10	-0.631062	209.431	-1224.18
121	10	-0.621911	209.818	-1230.4
122	10	-0.615839	210.197	-1236.56
123	10	-0.609791	210.569	-1242.66
124	10	-0.603765	210.934	-1248.7
125	10	-0.597761	211.291	-1254.67
126	10	-0.588793	211.638	-1260.56
127	10	-0.582841	211.978	-1266.39
128	10	-0.576911	212.31	-1272.16
129	10	-0.570999	212.636	-1277.87
130	10	-0.565108	212.956	-1283.52
131	10	-0.556308	213.265	-1289.08
132	10	-0.550465	213.568	-1294.59
133	10	-0.544642	213.865	-1300.04
134	10	-0.538836	214.155	-1305.42
135	10	-0.530162	214.436	-1310.73
136	10	-0.524401	214.711	-1315.97
137	10	-0.518658	214.98	-1321.16
138	10	-0.51293	215.243	-1326.28
139	10	-0.507221	215.501	-1331.36
140	10	-0.498687	215.749	-1336.34
141	10	-0.493018	215.992	-1341.27
142	10	-0.487364	216.23	-1346.15
143	10	-0.481728	216.462	-1350.97
144	10	-0.476105	216.689	-1355.73
145	10	-0.467699	216.907	-1360.4
146	10	-0.462114	217.121	-1365.02
147	10	-0.456542	217.329	-1369.59
148	10	-0.450985	217.533	-1374.1
149	10	-0.445443	217.731	-1378.55
150	10	-0.437153	217.922	-1382.93
151	10	-0.431644	218.109	-1387.24
152	10	-0.426148	218.29	-1391.5
153	10	-0.420664	218.467	-1395.71
154	10	-0.415193	218.64	-1399.86
155	10	-0.40701	218.805	-1403.93
156	10	-0.401571	218.967	-1407.95
157	10	-0.396142	219.123	-1411.91
158	10	-0.390726	219.276	-1415.82
159	10	-0.385321	219.425	-1419.67
160	10	-0.377233	219.567	-1423.44
161	10	-0.371856	219.705	-1427.16
162	10	-0.36649	219.839	-1430.83

163	10	-0.361133	219.97	-1434.44
164	10	-0.353118	220.095	-1437.97
165	10	-0.347787	220.216	-1441.45
166	10	-0.342466	220.333	-1444.87
167	10	-0.337155	220.446	-1448.24
168	10	-0.331854	220.557	-1451.56
169	10	-0.323919	220.662	-1454.8
170	10	-0.318639	220.763	-1457.99
171	10	-0.31337	220.861	-1461.12
172	10	-0.308108	220.956	-1464.2
173	10	-0.302855	221.048	-1467.23
174	10	-0.294992	221.135	-1470.18
175	10	-0.28976	221.219	-1473.08
176	10	-0.284535	221.3	-1475.92
177	10	-0.279319	221.378	-1478.72
178	10	-0.27411	221.453	-1481.46
179	10	-0.266311	221.524	-1484.12
180	10	-0.26112	221.592	-1486.73
181	10	-0.255936	221.658	-1489.29
182	10	-0.250759	221.721	-1491.8
183	10	-0.24559	221.781	-1494.25
184	10	-0.237847	221.837	-1496.63
185	10	-0.232693	221.892	-1498.96
186	10	-0.227545	221.943	-1501.23
187	10	-0.222403	221.993	-1503.46
188	10	-0.214702	222.039	-1505.61
189	10	-0.209575	222.083	-1507.7
190	10	-0.204452	222.125	-1509.75
191	10	-0.199336	222.164	-1511.74
192	10	-0.194225	222.202	-1513.68
193	10	-0.186567	222.237	-1515.55
194	10	-0.181468	222.27	-1517.36
195	10	-0.176374	222.301	-1519.13
196	10	-0.171285	222.33	-1520.84
197	10	-0.166199	222.358	-1522.5
198	10	-0.158579	222.383	-1524.09
199	10	-0.153505	222.407	-1525.62
200	10	-0.148434	222.429	-1527.11
201	10	-0.143367	222.449	-1528.54
202	10	-0.138305	222.468	-1529.92
203	10	-0.130716	222.485	-1531.23
204	10	-0.125661	222.501	-1532.49
205	10	-0.12061	222.516	-1533.69
206	10	-0.115562	222.529	-1534.85
207	10	-0.110516	222.541	-1535.95
208	10	-0.102953	222.552	-1536.98
209	10	-0.0979139	222.561	-1537.96
210	10	-0.0928787	222.57	-1538.89
211	10	-0.0878447	222.578	-1539.77
212	10	-0.0828129	222.585	-1540.6
213	10	-0.0752698	222.59	-1541.35
214	10	-0.0702426	222.595	-1542.05
215	10	-0.0652187	222.6	-1542.7
216	10	-0.0601949	222.603	-1543.31
217	10	-0.0526632	222.606	-1543.83
218	10	-0.0476439	222.608	-1544.31
219	10	-0.0426257	222.61	-1544.74
220	10	-0.0376076	222.611	-1545.11
221	10	-0.0325917	222.612	-1545.44
222	10	-0.0250691	222.613	-1545.69
223	10	-0.0200544	222.614	-1545.89
224	10	-0.0150408	222.614	-1546.04
225	10	-0.0100272	222.614	-1546.14
226	10	-0.00501359	222.614	-1546.19
227	10	0.00501359	222.614	-1546.14
228	10	0.0100272	222.614	-1546.04
229	10	0.0150408	222.614	-1545.89
230	10	0.0200544	222.615	-1545.69
231	10	0.0250691	222.615	-1545.44
232	10	0.0325917	222.616	-1545.11
233	10	0.0376076	222.618	-1544.74
234	10	0.0426257	222.62	-1544.31
235	10	0.0476439	222.622	-1543.83
236	10	0.0526632	222.625	-1543.31
237	10	0.0601949	222.628	-1542.7
238	10	0.0652187	222.632	-1542.05
239	10	0.0702426	222.637	-1541.35
240	10	0.0752698	222.643	-1540.6
241	10	0.0828129	222.65	-1539.77
242	10	0.0878447	222.658	-1538.89
243	10	0.0928787	222.666	-1537.96
244	10	0.0979139	222.676	-1536.98
245	10	0.102953	222.686	-1535.95
246	10	0.110516	222.699	-1534.85
247	10	0.115562	222.712	-1533.69
248	10	0.12061	222.727	-1532.49

249	10	0.125661	222.742	-1531.23
250	10	0.130716	222.759	-1529.92
251	10	0.138305	222.779	-1528.54
252	10	0.143367	222.799	-1527.11
253	10	0.148434	222.821	-1525.62
254	10	0.153505	222.845	-1524.09
255	10	0.158579	222.87	-1522.5
256	10	0.166199	222.897	-1520.84
257	10	0.171285	222.927	-1519.13
258	10	0.176374	222.958	-1517.36
259	10	0.181468	222.991	-1515.55
260	10	0.186567	223.026	-1513.68
261	10	0.194225	223.063	-1511.74
262	10	0.199336	223.103	-1509.75
263	10	0.204452	223.145	-1507.7
264	10	0.209575	223.189	-1505.61
265	10	0.214702	223.235	-1503.46
266	10	0.222403	223.284	-1501.23
267	10	0.227545	223.336	-1498.96
268	10	0.232693	223.39	-1496.63
269	10	0.237847	223.447	-1494.25
270	10	0.24559	223.507	-1491.8
271	10	0.250759	223.57	-1489.29
272	10	0.255936	223.636	-1486.73
273	10	0.26112	223.704	-1484.12
274	10	0.266311	223.775	-1481.46
275	10	0.27411	223.85	-1478.72
276	10	0.279319	223.928	-1475.92
277	10	0.284535	224.009	-1473.08
278	10	0.28976	224.093	-1470.18
279	10	0.294992	224.18	-1467.23
280	10	0.302855	224.272	-1464.2
281	10	0.308108	224.366	-1461.12
282	10	0.31337	224.465	-1457.99
283	10	0.318639	224.566	-1454.8
284	10	0.323919	224.671	-1451.56
285	10	0.331854	224.781	-1448.24
286	10	0.337155	224.895	-1444.87
287	10	0.342466	225.012	-1441.45
288	10	0.347787	225.133	-1437.97
289	10	0.353118	225.258	-1434.44
290	10	0.361133	225.388	-1430.83
291	10.9	0.36649	225.523	-1426.83
292	11	0.371856	225.661	-1422.74
293	11	0.377233	225.803	-1418.59
294	11	0.385321	225.952	-1414.35
295	11	0.390726	226.104	-1410.05
296	11	0.396142	226.261	-1405.7
297	11	0.401571	226.422	-1401.28
298	11	0.40701	226.588	-1396.8
299	11	0.415193	226.761	-1392.24
300	11	0.420664	226.937	-1387.61
301	11	0.426148	227.119	-1382.92
302	11.2	0.431644	227.305	-1378.09
303	12	0.437153	227.497	-1372.84
304	12	0.445443	227.695	-1367.49
305	12	0.450985	227.898	-1362.08
306	12	0.456542	228.107	-1356.6
307	12.3	0.462114	228.32	-1350.92
308	12.5	0.467699	228.539	-1345.07
309	12.5	0.476105	228.766	-1339.12
310	12.8	0.481728	228.998	-1332.96
311	13	0.487364	229.235	-1326.62
312	13	0.493018	229.478	-1320.21
313	13	0.498687	229.727	-1313.73
314	13	0.507221	229.984	-1307.13
315	13	0.51293	230.247	-1300.47
316	13	0.518658	230.516	-1293.72
317	13	0.524401	230.791	-1286.91
318	13	0.530162	231.073	-1280.02
319	13	0.538836	231.363	-1273.01
320	14	0.544642	231.659	-1265.39
321	14	0.550465	231.962	-1257.68
322	14.7	0.556308	232.272	-1249.5
323	15	0.565108	232.591	-1241.02
324	15	0.570999	232.917	-1232.46
325	15	0.576911	233.25	-1223.81
326	15.2	0.582841	233.59	-1214.95
327	16	0.588793	233.937	-1205.53
328	16.3	0.597761	234.294	-1195.78
329	16.4	0.603765	234.658	-1185.88
330	16.5	0.609791	235.03	-1175.82
331	16.5	0.615839	235.41	-1165.66
332	17	0.621911	235.796	-1155.09
333	17	0.631062	236.195	-1144.36
334	18	0.637192	236.601	-1132.89

335	18	0.643345	237.014	-1121.31
336	18	0.649522	237.436	-1109.62
337	18	0.655726	237.866	-1097.81
338	19	0.665079	238.309	-1085.18
339	19	0.671346	238.759	-1072.42
340	19	0.677639	239.219	-1059.55
341	20	0.68396	239.686	-1045.87
342	20	0.690309	240.163	-1032.06
343	20	0.699883	240.653	-1018.06
344	20.1	0.706302	241.152	-1003.87
345	21.6	0.712751	241.66	-988.471
346	22.4	0.719228	242.177	-972.36
347	23	0.729003	242.708	-955.593
348	23	0.735557	243.249	-938.675
349	23	0.742143	243.8	-921.606
350	24	0.748762	244.361	-903.635
351	24	0.755415	244.931	-885.505
352	24	0.765456	245.517	-867.135
353	24.5	0.772193	246.114	-848.216
354	25	0.778966	246.72	-828.742
355	25	0.785774	247.338	-809.097
356	25	0.792618	247.966	-789.282
357	25.1	0.802956	248.611	-769.128
358	25.2	0.809896	249.267	-748.718
359	26	0.816874	249.934	-727.48
360	26	0.823893	250.613	-706.058
361	27	0.830953	251.303	-683.623
362	28	0.841621	252.012	-660.057
363	28	0.848786	252.732	-636.291
364	28	0.855996	253.465	-612.323
365	28.1	0.863249	254.21	-588.066
366	28.1	0.87055	254.968	-563.604
367	28.8	0.881587	255.745	-538.214
368	29	0.889006	256.535	-512.433
369	29	0.896473	257.339	-486.435
370	29	0.903992	258.156	-460.219
371	29	0.911562	258.987	-433.784
372	29	0.923014	259.839	-407.016
373	30	0.930718	260.705	-379.095
374	30.1	0.938476	261.586	-350.847
375	31	0.946291	262.482	-321.512
376	31	0.958125	263.4	-291.81
377	31.8	0.966088	264.333	-261.088
378	32	0.974114	265.282	-229.917
379	32	0.982202	266.247	-198.486
380	32	0.990356	267.227	-166.795
381	33	1.00271	268.233	-133.705
382	33	1.01104	269.255	-100.341
383	33	1.01943	270.294	-66.7001
384	33	1.02789	271.351	-32.7796
385	33	1.03643	272.425	1.42269
386	34	1.04939	273.526	37.1018
387	34	1.05812	274.646	73.078
388	34	1.06694	275.784	109.354
389	34	1.07584	276.942	145.932
390	34.4	1.08482	278.118	183.25
391	34.5	1.09847	279.325	221.147
392	35	1.10768	280.552	259.916
393	35.7	1.11699	281.8	299.793
394	35.7	1.12639	283.068	340.005
395	36	1.1359	284.359	380.897
396	36	1.15035	285.682	422.31
397	36	1.16012	287.028	464.074
398	36.5	1.17	288.397	506.779
399	37	1.18	289.789	550.439
400	37	1.19522	291.218	594.662
401	38.2	1.20553	292.671	640.713
402	39	1.21596	294.15	688.136
403	39	1.22653	295.654	735.97
404	40	1.23724	297.185	785.46
405	40	1.25357	298.756	835.602
406	40.5	1.26464	300.355	886.82
407	41	1.27588	301.983	939.131
408	41.8	1.28727	303.64	992.939
409	41.8	1.29884	305.327	1047.23
410	42.4	1.31652	307.061	1103.05
411	42.7	1.32854	308.826	1159.78
412	45	1.34075	310.623	1220.11
413	46	1.35317	312.454	1282.36
414	46	1.36581	314.32	1345.19
415	46	1.38517	316.238	1408.9
416	47	1.39838	318.194	1474.63
417	47	1.41183	320.187	1540.98
418	48	1.42554	322.219	1609.41
419	48	1.43953	324.292	1678.51
420	49	1.46106	326.426	1750.1

421	49.2	1.47579	328.604	1822.71
422	50	1.49085	330.827	1897.25
423	50	1.50626	333.096	1972.56
424	50.5	1.52203	335.412	2049.43
425	50.5	1.54643	337.804	2127.52
426	51	1.56322	340.247	2207.25
427	51.4	1.58047	342.745	2288.48
428	52	1.59819	345.299	2371.59
429	55	1.62576	347.943	2461
430	56	1.64485	350.648	2553.12
431	60	1.66456	353.419	2652.99
432	61	1.68494	356.258	2755.77
433	61	1.70604	359.169	2859.84
434	62	1.7392	362.193	2967.67
435	63	1.76241	365.299	3078.7
436	65	1.78661	368.491	3194.83
437	66	1.81191	371.774	3314.42
438	69	1.83843	375.154	3441.27
439	70	1.88079	378.692	3572.93
440	71	1.91103	382.344	3708.61
441	71	1.94314	386.119	3846.57
442	72	1.97737	390.029	3988.94
443	72.3	2.01409	394.086	4134.56
444	74	2.07485	398.391	4288.1
445	81	2.12007	402.886	4459.82
446	83	2.17009	407.595	4639.94
447	84	2.22621	412.551	4826.94
448	92.5	2.29036	417.797	5038.8
449	93	2.40892	423.6	5262.83
450	97	2.51213	429.91	5506.51
451	129	2.65209	436.944	5848.63
452	160	2.87815	445.228	6309.13

Data Set Standard Deviation = 18.3562
Numerator = 3.98052e+007
Denominator = 6.76588e+007
W Statistic = 0.588322 = 3.98052e+007 / 6.76588e+007

5% Critical value of 0.976 exceeds 0.588322
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.588322
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 = 452

i	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	-2.29036	32.6768	-10.9677
6	1.7	-2.22621	37.6328	-14.7523
7	1.8	-2.17009	42.3421	-18.6584
8	1.95	-2.12007	46.8368	-22.7926
9	2	-2.07485	51.1418	-26.9423
10	2	-2.01409	55.1984	-30.9705
11	2.17	-1.97737	59.1083	-35.2613
12	2.31	-1.94314	62.8841	-39.75
13	2.5	-1.91103	66.5362	-44.5276
14	2.69	-1.88079	70.0735	-49.5869
15	2.8	-1.83843	73.4533	-54.7345
16	2.9	-1.81191	76.7364	-59.989
17	3.3	-1.78661	79.9283	-65.8848
18	3.4	-1.76241	83.0344	-71.877
19	3.91	-1.7392	86.0592	-78.6773
20	4	-1.70604	88.9698	-85.5015
21	4	-1.68494	91.8088	-92.2412
22	4.1	-1.66456	94.5796	-99.0659
23	4.4	-1.64485	97.2852	-106.303
24	4.76	-1.62576	99.9283	-114.042
25	5	-1.59819	102.482	-122.033
26	5	-1.58047	104.98	-129.935
27	5.3	-1.56322	107.424	-138.22
28	6	-1.54643	109.815	-147.499
29	7	-1.52203	112.132	-158.153
30	7	-1.50626	114.401	-168.697
31	7	-1.49085	116.624	-179.133
32	7.7	-1.47579	118.801	-190.496
33	8	-1.46106	120.936	-202.185
34	9	-1.43953	123.008	-215.141
35	9	-1.42554	125.041	-227.971
36	10	-1.41183	127.034	-242.089
37	12	-1.39838	128.989	-258.869
38	13	-1.38517	130.908	-276.877
39	13.9	-1.36581	132.773	-295.861
40	18	-1.35317	134.605	-320.219
41	19	-1.34075	136.402	-345.693
42	21	-1.32854	138.167	-373.592
43	23	-1.31652	139.9	-403.872
44	25.4	-1.29884	141.587	-436.863
45	34	-1.28727	143.244	-480.63
46	34	-1.27588	144.872	-524.01
47	36	-1.26464	146.472	-569.537
48	43.2	-1.25357	148.043	-623.691
49	44	-1.23724	149.574	-678.129
50	55	-1.22653	151.078	-745.588
51	55	-1.21596	152.557	-812.466
52	56	-1.20553	154.01	-879.975
53	58.5	-1.19522	155.439	-949.896
54	72	-1.18	156.831	-1034.86
55	114	-1.17	158.2	-1168.24
56	142	-1.16012	159.546	-1332.97
57	143	-1.15035	160.869	-1497.47
58	200	-1.1359	162.159	-1724.65
59	200	-1.12639	163.428	-1949.93
60	200	-1.11699	164.676	-2173.33
61	200	-1.10768	165.903	-2394.86
62	200	-1.09847	167.109	-2614.56
63	200	-1.08482	168.286	-2831.52
64	200	-1.07584	169.444	-3046.69
65	200	-1.06694	170.582	-3260.08
66	200	-1.05812	171.702	-3471.7
67	200	-1.04939	172.803	-3681.58
68	200	-1.03643	173.877	-3888.87
69	200	-1.02789	174.934	-4094.44
70	200	-1.01943	175.973	-4298.33
71	200	-1.01104	176.995	-4500.54
72	200	-1.00271	178	-4701.08
73	200	-0.990356	178.981	-4899.15
74	200	-0.982202	179.946	-5095.59
75	200	-0.974114	180.895	-5290.41
76	200	-0.966088	181.828	-5483.63

77	200	-0.958125	182.746	-5675.26
78	200	-0.946291	183.642	-5864.51
79	200	-0.938476	184.522	-6052.21
80	200	-0.930718	185.389	-6238.35
81	200	-0.923014	186.241	-6422.96
82	200	-0.911562	187.071	-6605.27
83	200	-0.903992	187.889	-6786.07
84	200	-0.896473	188.692	-6965.36
85	200	-0.889006	189.483	-7143.16
86	200	-0.881587	190.26	-7319.48
87	200	-0.87055	191.018	-7493.59
88	200	-0.863249	191.763	-7666.24
89	200	-0.855996	192.496	-7837.44
90	200	-0.848786	193.216	-8007.2
91	200	-0.841621	193.924	-8175.52
92	200	-0.830953	194.615	-8341.71
93	200	-0.823893	195.294	-8506.49
94	200	-0.816874	195.961	-8669.86
95	200	-0.809896	196.617	-8831.84
96	200	-0.802956	197.262	-8992.43
97	200	-0.792618	197.89	-9150.96
98	200	-0.785774	198.507	-9308.11
99	200	-0.778966	199.114	-9463.91
100	200	-0.772193	199.71	-9618.34
101	200	-0.765456	200.296	-9771.44
102	200	-0.755415	200.867	-9922.52
103	200	-0.748762	201.428	-10072.3
104	200	-0.742143	201.978	-10220.7
105	200	-0.735557	202.519	-10367.8
106	200	-0.729003	203.051	-10513.6
107	200	-0.719228	203.568	-10657.5
108	200	-0.712751	204.076	-10800
109	200	-0.706302	204.575	-10941.3
110	200	-0.699883	205.065	-11081.2
111	200	-0.690309	205.541	-11219.3
112	200	-0.68396	206.009	-11356.1
113	200	-0.677639	206.468	-11491.6
114	200	-0.671346	206.919	-11625.9
115	200	-0.665079	207.361	-11758.9
116	200	-0.655726	207.791	-11890.1
117	200	-0.649522	208.213	-12020
118	200	-0.643345	208.627	-12148.6
119	200	-0.637192	209.033	-12276.1
120	200	-0.631062	209.431	-12402.3
121	200	-0.621911	209.818	-12526.7
122	200	-0.615839	210.197	-12649.8
123	200	-0.609791	210.569	-12771.8
124	200	-0.603765	210.934	-12892.5
125	200	-0.597761	211.291	-13012.1
126	200	-0.588793	211.638	-13129.9
127	200	-0.582841	211.978	-13246.4
128	200	-0.576911	212.31	-13361.8
129	200	-0.570999	212.636	-13476
130	200	-0.565108	212.956	-13589
131	200	-0.556308	213.265	-13700.3
132	200	-0.550465	213.568	-13810.4
133	200	-0.544642	213.865	-13919.3
134	200	-0.538836	214.155	-14027.1
135	200	-0.530162	214.436	-14133.1
136	200	-0.524401	214.711	-14238
137	200	-0.518658	214.98	-14341.7
138	200	-0.51293	215.243	-14444.3
139	200	-0.507221	215.501	-14545.7
140	200	-0.498687	215.749	-14645.5
141	200	-0.493018	215.992	-14744.1
142	200	-0.487364	216.23	-14841.6
143	200	-0.481728	216.462	-14937.9
144	200	-0.476105	216.689	-15033.1
145	200	-0.467699	216.907	-15126.7
146	200	-0.462114	217.121	-15219.1
147	200	-0.456542	217.329	-15310.4
148	200	-0.450985	217.533	-15400.6
149	200	-0.445443	217.731	-15489.7
150	200	-0.437153	217.922	-15577.1
151	200	-0.431644	218.109	-15663.4
152	200	-0.426148	218.29	-15748.7
153	200	-0.420664	218.467	-15832.8
154	200	-0.415193	218.64	-15915.8
155	200	-0.40701	218.805	-15997.2
156	200	-0.401571	218.967	-16077.6
157	200	-0.396142	219.123	-16156.8
158	200	-0.390726	219.276	-16234.9
159	200	-0.385321	219.425	-16312
160	200	-0.377233	219.567	-16387.4
161	200	-0.371856	219.705	-16461.8
162	200	-0.36649	219.839	-16535.1

163	200	-0.361133	219.97	-16607.3
164	200	-0.353118	220.095	-16678
165	200	-0.347787	220.216	-16747.5
166	200	-0.342466	220.333	-16816
167	200	-0.337155	220.446	-16883.4
168	200	-0.331854	220.557	-16949.8
169	200	-0.323919	220.662	-17014.6
170	200	-0.318639	220.763	-17078.3
171	200	-0.31337	220.861	-17141
172	200	-0.308108	220.956	-17202.6
173	200	-0.302855	221.048	-17263.2
174	200	-0.294992	221.135	-17322.2
175	200	-0.28976	221.219	-17380.1
176	200	-0.284535	221.3	-17437.1
177	200	-0.279319	221.378	-17492.9
178	200	-0.27411	221.453	-17547.7
179	200	-0.266311	221.524	-17601
180	200	-0.26112	221.592	-17653.2
181	200	-0.255936	221.658	-17704.4
182	200	-0.250759	221.721	-17754.6
183	200	-0.24559	221.781	-17803.7
184	200	-0.237847	221.837	-17851.3
185	200	-0.232693	221.892	-17897.8
186	200	-0.227545	221.943	-17943.3
187	200	-0.222403	221.993	-17987.8
188	200	-0.214702	222.039	-18030.7
189	200	-0.209575	222.083	-18072.6
190	200	-0.204452	222.125	-18113.5
191	200	-0.199336	222.164	-18153.4
192	200	-0.194225	222.202	-18192.2
193	200	-0.186567	222.237	-18229.6
194	200	-0.181468	222.27	-18265.8
195	200	-0.176374	222.301	-18301.1
196	200	-0.171285	222.33	-18335.4
197	200	-0.166199	222.358	-18368.6
198	200	-0.158579	222.383	-18400.3
199	200	-0.153505	222.407	-18431
200	200	-0.148434	222.429	-18460.7
201	200	-0.143367	222.449	-18489.4
202	200	-0.138305	222.468	-18517.1
203	200	-0.130716	222.485	-18543.2
204	200	-0.125661	222.501	-18568.3
205	200	-0.12061	222.516	-18592.5
206	200	-0.115562	222.529	-18615.6
207	200	-0.110516	222.541	-18637.7
208	200	-0.102953	222.552	-18658.3
209	200	-0.0979139	222.561	-18677.8
210	200	-0.0928787	222.57	-18696.4
211	200	-0.0878447	222.578	-18714
212	200	-0.0828129	222.585	-18730.6
213	200	-0.0752698	222.59	-18745.6
214	200	-0.0702426	222.595	-18759.7
215	200	-0.0652187	222.6	-18772.7
216	200	-0.0601949	222.603	-18784.7
217	200	-0.0526632	222.606	-18795.3
218	200	-0.0476439	222.608	-18804.8
219	200	-0.0426257	222.61	-18813.3
220	200	-0.0376076	222.611	-18820.8
221	200	-0.0325917	222.612	-18827.4
222	200	-0.0250691	222.613	-18832.4
223	200	-0.0200544	222.614	-18836.4
224	200	-0.0150408	222.614	-18839.4
225	200	-0.0100272	222.614	-18841.4
226	200	-0.00501359	222.614	-18842.4
227	200	0.00501359	222.614	-18841.4
228	200	0.0100272	222.614	-18839.4
229	200	0.0150408	222.614	-18836.4
230	200	0.0200544	222.615	-18832.4
231	200	0.0250691	222.615	-18827.4
232	200	0.0325917	222.616	-18820.8
233	200	0.0376076	222.618	-18813.3
234	200	0.0426257	222.62	-18804.8
235	200	0.0476439	222.622	-18795.3
236	200	0.0526632	222.625	-18784.7
237	200	0.0601949	222.628	-18772.7
238	200	0.0652187	222.632	-18759.7
239	200	0.0702426	222.637	-18745.6
240	200	0.0752698	222.643	-18730.6
241	200	0.0828129	222.65	-18714
242	200	0.0878447	222.658	-18696.4
243	200	0.0928787	222.666	-18677.8
244	200	0.0979139	222.676	-18658.3
245	200	0.102953	222.686	-18637.7
246	200	0.110516	222.699	-18615.6
247	200	0.115562	222.712	-18592.5
248	200	0.12061	222.727	-18568.3

249	200	0.125661	222.742	-18543.2
250	200	0.130716	222.759	-18517.1
251	200	0.138305	222.779	-18489.4
252	200	0.143367	222.799	-18460.7
253	200	0.148434	222.821	-18431
254	200	0.153505	222.845	-18400.3
255	200	0.158579	222.87	-18368.6
256	200	0.166199	222.897	-18335.4
257	200	0.171285	222.927	-18301.1
258	200	0.176374	222.958	-18265.8
259	200	0.181468	222.991	-18229.6
260	200	0.186567	223.026	-18192.2
261	200	0.194225	223.063	-18153.4
262	200	0.199336	223.103	-18113.5
263	200	0.204452	223.145	-18072.6
264	200	0.209575	223.189	-18030.7
265	200	0.214702	223.235	-17987.8
266	200	0.222403	223.284	-17943.3
267	200	0.227545	223.336	-17897.8
268	200	0.232693	223.39	-17851.3
269	200	0.237847	223.447	-17803.7
270	200	0.24559	223.507	-17754.6
271	200	0.250759	223.57	-17704.4
272	200	0.255936	223.636	-17653.2
273	200	0.26112	223.704	-17601
274	200	0.266311	223.775	-17547.7
275	200	0.27411	223.85	-17492.9
276	200	0.279319	223.928	-17437.1
277	200	0.284535	224.009	-17380.1
278	200	0.28976	224.093	-17322.2
279	200	0.294992	224.18	-17263.2
280	200	0.302855	224.272	-17202.6
281	200	0.308108	224.366	-17141
282	200	0.31337	224.465	-17078.3
283	200	0.318639	224.566	-17014.6
284	200	0.323919	224.671	-16949.8
285	200	0.331854	224.781	-16883.4
286	200	0.337155	224.895	-16816
287	200	0.342466	225.012	-16747.5
288	200	0.347787	225.133	-16678
289	200	0.353118	225.258	-16607.3
290	200	0.361133	225.388	-16535.1
291	200	0.36649	225.523	-16461.8
292	200	0.371856	225.661	-16387.4
293	200	0.377233	225.803	-16312
294	200	0.385321	225.952	-16234.9
295	200	0.390726	226.104	-16156.8
296	200	0.396142	226.261	-16077.6
297	200	0.401571	226.422	-15997.2
298	200	0.40701	226.588	-15915.8
299	200	0.415193	226.761	-15832.8
300	200	0.420664	226.937	-15748.7
301	200	0.426148	227.119	-15663.4
302	200	0.431644	227.305	-15577.1
303	200	0.437153	227.497	-15489.7
304	200	0.445443	227.695	-15400.6
305	200	0.450985	227.898	-15310.4
306	200	0.456542	228.107	-15219.1
307	200	0.462114	228.32	-15126.7
308	200	0.467699	228.539	-15033.1
309	200	0.476105	228.766	-14937.9
310	200	0.481728	228.998	-14841.6
311	200	0.487364	229.235	-14744.1
312	200	0.493018	229.478	-14645.5
313	200	0.498687	229.727	-14545.7
314	200	0.507221	229.984	-14444.3
315	200	0.51293	230.247	-14341.7
316	200	0.518658	230.516	-14238
317	200	0.524401	230.791	-14133.1
318	200	0.530162	231.073	-14027.1
319	200	0.538836	231.363	-13919.3
320	200	0.544642	231.659	-13810.4
321	200	0.550465	231.962	-13700.3
322	200	0.556308	232.272	-13589
323	200	0.565108	232.591	-13476
324	200	0.570999	232.917	-13361.8
325	200	0.576911	233.25	-13246.4
326	200	0.582841	233.59	-13129.9
327	200	0.588793	233.937	-13012.1
328	200	0.597761	234.294	-12892.5
329	200	0.603765	234.658	-12771.8
330	200	0.609791	235.03	-12649.8
331	200	0.615839	235.41	-12526.7
332	200	0.621911	235.796	-12402.3
333	200	0.631062	236.195	-12276.1
334	200	0.637192	236.601	-12148.6

335	200	0.643345	237.014	-12020
336	200	0.649522	237.436	-11890.1
337	200	0.655726	237.866	-11758.9
338	200	0.665079	238.309	-11625.9
339	200	0.671346	238.759	-11491.6
340	200	0.677639	239.219	-11356.1
341	200	0.68396	239.686	-11219.3
342	200	0.690309	240.163	-11081.2
343	200	0.699883	240.653	-10941.3
344	200	0.706302	241.152	-10800
345	200	0.712751	241.66	-10657.5
346	200	0.719228	242.177	-10513.6
347	200	0.729003	242.708	-10367.8
348	200	0.735557	243.249	-10220.7
349	200	0.742143	243.8	-10072.3
350	200	0.748762	244.361	-9922.52
351	200	0.755415	244.931	-9771.44
352	200	0.765456	245.517	-9618.34
353	200	0.772193	246.114	-9463.91
354	200	0.778966	246.72	-9308.11
355	200	0.785774	247.338	-9150.96
356	200	0.792618	247.966	-8992.43
357	200	0.802956	248.611	-8831.84
358	200	0.809896	249.267	-8669.86
359	200	0.816874	249.934	-8506.49
360	200	0.823893	250.613	-8341.71
361	200	0.830953	251.303	-8175.52
362	200	0.841621	252.012	-8007.2
363	200	0.848786	252.732	-7837.44
364	200	0.855996	253.465	-7666.24
365	200	0.863249	254.21	-7493.59
366	200	0.87055	254.968	-7319.48
367	200	0.881587	255.745	-7143.16
368	200	0.889006	256.535	-6965.36
369	200	0.896473	257.339	-6786.07
370	200	0.903992	258.156	-6605.27
371	200	0.911562	258.987	-6422.96
372	200	0.923014	259.839	-6238.35
373	200	0.930718	260.705	-6052.21
374	200	0.938476	261.586	-5864.51
375	200	0.946291	262.482	-5675.26
376	200	0.958125	263.4	-5483.63
377	200	0.966088	264.333	-5290.41
378	200	0.974114	265.282	-5095.59
379	200	0.982202	266.247	-4899.15
380	200	0.990356	267.227	-4701.08
381	200	1.00271	268.233	-4500.54
382	200	1.01104	269.255	-4298.33
383	200	1.01943	270.294	-4094.44
384	200	1.02789	271.351	-3888.87
385	200	1.03643	272.425	-3681.58
386	200	1.04939	273.526	-3471.7
387	200	1.05812	274.646	-3260.08
388	200	1.06694	275.784	-3046.69
389	200	1.07584	276.942	-2831.52
390	200	1.08482	278.118	-2614.56
391	200	1.09847	279.325	-2394.86
392	200	1.10768	280.552	-2173.33
393	200	1.11699	281.8	-1949.93
394	200	1.12639	283.068	-1724.65
395	200	1.1359	284.359	-1497.47
396	200	1.15035	285.682	-1267.4
397	200	1.16012	287.028	-1035.38
398	200	1.17	288.397	-801.379
399	200	1.18	289.789	-565.379
400	200	1.19522	291.218	-326.334
401	200	1.20553	292.671	-85.2292
402	200	1.21596	294.15	157.963
403	200	1.22653	295.654	403.269
404	200	1.23724	297.185	650.716
405	200	1.25357	298.756	901.429
406	200	1.26464	300.355	1154.36
407	200	1.27588	301.983	1409.53
408	200	1.28727	303.64	1666.99
409	200	1.29884	305.327	1926.75
410	200	1.31652	307.061	2190.06
411	200	1.32854	308.826	2455.77
412	200	1.34075	310.623	2723.92
413	200	1.35317	312.454	2994.55
414	200	1.36581	314.32	3267.71
415	200	1.38517	316.238	3544.75
416	200	1.39838	318.194	3824.42
417	200	1.41183	320.187	4106.79
418	200	1.42554	322.219	4391.9
419	200	1.43953	324.292	4679.8
420	200	1.46106	326.426	4972.01

421	200	1.47579	328.604	5267.17
422	200	1.49085	330.827	5565.34
423	200	1.50626	333.096	5866.6
424	200	1.52203	335.412	6171
425	200	1.54643	337.804	6480.29
426	200	1.56322	340.247	6792.93
427	200	1.58047	342.745	7109.03
428	200	1.59819	345.299	7428.66
429	200	1.62576	347.943	7753.82
430	200	1.64485	350.648	8082.79
431	200	1.66456	353.419	8415.7
432	200	1.68494	356.258	8752.69
433	200	1.70604	359.169	9093.9
434	200	1.7392	362.193	9441.74
435	200	1.76241	365.299	9794.22
436	200	1.78661	368.491	10151.5
437	200	1.81191	371.774	10513.9
438	200	1.83843	375.154	10881.6
439	200	1.88079	378.692	11257.8
440	220	1.91103	382.344	11678.2
441	252	1.94314	386.119	12167.9
442	253	1.97737	390.029	12668.1
443	253	2.01409	394.086	13177.7
444	280	2.07485	398.391	13758.7
445	310	2.12007	402.886	14415.9
446	310	2.17009	407.595	15088.6
447	350	2.22621	412.551	15867.8
448	360	2.29036	417.797	16692.3
449	378	2.40892	423.6	17602.9
450	440	2.51213	429.91	18708.2
451	620	2.65209	436.944	20352.5
452	870	2.87815	445.228	22856.5

Data Set Standard Deviation = 75.2509
Numerator = 5.2242e+008
Denominator = 1.13706e+009
W Statistic = 0.45945 = 5.2242e+008 / 1.13706e+009

5% Critical value of 0.976 exceeds 0.45945
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.45945
Evidence of non-normality at 99% level of significance

Shapiro-Francia Test of Normality

Parameter: Lead
All Locations
Normality Test of Parameter Concentrations
Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit
Total Number of Measurements = 452

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	1.7	-2.87815	8.28375	-4.89286
2	1.93	-2.65209	15.3173	-10.0114
3	2	-2.51213	21.6281	-15.0356
4	2	-2.40892	27.431	-19.8535
5	2.5	-2.29036	32.6768	-25.5794
6	3	-2.22621	37.6328	-32.258
7	3	-2.17009	42.3421	-38.7683
8	3.1	-2.12007	46.8368	-45.3405
9	3.2	-2.07485	51.1418	-51.98
10	3.3	-2.01409	55.1984	-58.6265
11	4	-1.97737	59.1083	-66.536
12	4	-1.94314	62.8841	-74.3086
13	5.3	-1.91103	66.5362	-84.437
14	5.37	-1.88079	70.0735	-94.5369
15	7	-1.83843	73.4533	-107.406
16	8	-1.81191	76.7364	-121.901
17	9	-1.78661	79.9283	-137.981
18	9	-1.76241	83.0344	-153.842
19	10	-1.7392	86.0592	-171.234
20	10	-1.70604	88.9698	-188.295
21	10	-1.68494	91.8088	-205.144
22	10	-1.66456	94.5796	-221.79
23	10	-1.64485	97.2852	-238.238
24	10	-1.62576	99.9283	-254.496
25	10	-1.59819	102.482	-270.478
26	10	-1.58047	104.98	-286.282
27	10	-1.56322	107.424	-301.915
28	10	-1.54643	109.815	-317.379
29	10	-1.52203	112.132	-332.599
30	10	-1.50626	114.401	-347.662
31	10	-1.49085	116.624	-362.57
32	10	-1.47579	118.801	-377.328
33	10	-1.46106	120.936	-391.939
34	10	-1.43953	123.008	-406.334
35	10	-1.42554	125.041	-420.59
36	10	-1.41183	127.034	-434.708
37	10	-1.39838	128.989	-448.692
38	10	-1.38517	130.908	-462.544
39	10	-1.36581	132.773	-476.202
40	10	-1.35317	134.605	-489.733
41	10	-1.34075	136.402	-503.141
42	10	-1.32854	138.167	-516.426
43	10	-1.31652	139.9	-529.591
44	10	-1.29884	141.587	-542.58
45	10	-1.28727	143.244	-555.453
46	10	-1.27588	144.872	-568.211
47	10	-1.26464	146.472	-580.858
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51	10	-1.21596	152.557	-630.191
52	10	-1.20553	154.01	-642.246
53	10	-1.19522	155.439	-654.198
54	10	-1.18	156.831	-665.998
55	10	-1.17	158.2	-677.698
56	10	-1.16012	159.546	-689.299
57	10	-1.15035	160.869	-700.803
58	10	-1.1359	162.159	-712.162
59	10	-1.12639	163.428	-723.426
60	10	-1.11699	164.676	-734.596
61	10	-1.10768	165.903	-745.672
62	10	-1.09847	167.109	-756.657
63	10	-1.08482	168.286	-767.505
64	10	-1.07584	169.444	-778.264
65	10	-1.06694	170.582	-788.933
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71	10	-1.01104	176.995	-850.956
72	10	-1.00271	178	-860.983
73	10	-0.990356	178.981	-870.887
74	10	-0.982202	179.946	-880.709
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76	10	-0.966088	181.828	-900.111

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82	10	-0.911562	187.071	-956.193
83	10	-0.903992	187.889	-965.232
84	10	-0.896473	188.692	-974.197
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87	10	-0.87055	191.018	-1000.61
88	10	-0.863249	191.763	-1009.24
89	10	-0.855996	192.496	-1017.8
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91	10	-0.841621	193.924	-1034.71
92	10	-0.830953	194.615	-1043.01
93	10	-0.823893	195.294	-1051.25
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98	10	-0.785774	198.507	-1091.33
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377	10	0.966088	264.333	-890.45
378	10	0.974114	265.282	-880.709
379	10	0.982202	266.247	-870.887
380	10	0.990356	267.227	-860.983
381	10	1.00271	268.233	-850.956
382	10	1.01104	269.255	-840.846
383	10	1.01943	270.294	-830.651
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385	10	1.03643	272.425	-810.008
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387	10	1.05812	274.646	-788.933
388	10	1.06694	275.784	-778.264
389	10	1.07584	276.942	-767.505
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392	10	1.10768	280.552	-734.596
393	10	1.11699	281.8	-723.426
394	10	1.12639	283.068	-712.162
395	10	1.1359	284.359	-700.803
396	10	1.15035	285.682	-689.299
397	10	1.16012	287.028	-677.698
398	10	1.17	288.397	-665.998
399	10	1.18	289.789	-654.198
400	10	1.19522	291.218	-642.246
401	10	1.20553	292.671	-630.191
402	10	1.21596	294.15	-618.031
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404	10	1.23724	297.185	-593.393
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406	10	1.26464	300.355	-568.211
407	10	1.27588	301.983	-555.453
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413	10	1.35317	312.454	-476.202
414	10	1.36581	314.32	-462.544
415	10	1.38517	316.238	-448.692
416	10	1.39838	318.194	-434.708
417	10	1.41183	320.187	-420.59
418	10	1.42554	322.219	-406.334
419	10	1.43953	324.292	-391.939
420	10	1.46106	326.426	-377.328

421	10	1.47579	328.604	-362.57
422	10	1.49085	330.827	-347.662
423	10	1.50626	333.096	-332.599
424	10	1.52203	335.412	-317.379
425	10	1.54643	337.804	-301.915
426	10	1.56322	340.247	-286.282
427	10	1.58047	342.745	-270.478
428	10	1.59819	345.299	-254.496
429	10	1.62576	347.943	-238.238
430	10	1.64485	350.648	-221.79
431	10	1.66456	353.419	-205.144
432	10	1.68494	356.258	-188.295
433	10	1.70604	359.169	-171.234
434	10	1.7392	362.193	-153.842
435	10	1.76241	365.299	-136.218
436	10	1.78661	368.491	-118.352
437	10	1.81191	371.774	-100.233
438	10.5	1.83843	375.154	-80.9295
439	11	1.88079	378.692	-60.2408
440	11	1.91103	382.344	-39.2195
441	11	1.94314	386.119	-17.845
442	11	1.97737	390.029	3.90605
443	11	2.01409	394.086	26.0611
444	11	2.07485	398.391	48.8844
445	12	2.12007	402.886	74.3252
446	14	2.17009	407.595	104.707
447	15	2.22621	412.551	138.1
448	16	2.29036	417.797	174.745
449	17.2	2.40892	423.6	216.179
450	18	2.51213	429.91	261.397
451	20	2.65209	436.944	314.439
452	25	2.87815	445.228	386.393

Data Set Standard Deviation = 1.63815
Numerator = 149299
Denominator = 538848
W Statistic = 0.277072 = 149299 / 538848

5% Critical value of 0.976 exceeds 0.277072
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.277072
Evidence of non-normality at 99% level of significance

Shapiro-Francia Test of Normality

Parameter: Mercury

All Locations

Normality Test of Parameter Concentrations

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Number of Measurements = 423

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	0	-2.87815	8.28375	0
2	0.0541	-2.65209	15.3173	-0.143478
3	0.144	-2.45727	21.3555	-0.497325
4	0.239	-2.36561	26.9516	-1.06271
5	0.5	-2.29036	32.1974	-2.20789
6	0.5	-2.19728	37.0255	-3.30653
7	0.5	-2.14441	41.6239	-4.37873
8	0.5	-2.09693	46.0211	-5.4272
9	0.5	-2.03352	50.1563	-6.44396
10	0.5	-1.99539	54.1379	-7.44166
11	0.5	-1.95996	57.9793	-8.42164
12	0.5	-1.91103	61.6313	-9.37715
13	0.5	-1.88079	65.1687	-10.3175
14	0.5	-1.83843	68.5485	-11.2368
15	0.5	-1.81191	71.8316	-12.1427
16	0.5	-1.78661	75.0235	-13.036
17	0.5	-1.75069	78.0884	-13.9114
18	0.5	-1.72793	81.0742	-14.7753
19	0.5	-1.70604	83.9848	-15.6284
20	0.5	-1.67466	86.7893	-16.4657
21	0.5	-1.65463	89.527	-17.293
22	0.5	-1.63524	92.201	-18.1106
23	0.5	-1.60725	94.7843	-18.9142
24	0.5	-1.58927	97.3101	-19.7089
25	0.5	-1.57179	99.7806	-20.4948
26	0.5	-1.54643	102.172	-21.268
27	0.5	-1.53007	104.513	-22.033
28	0.5	-1.50626	106.782	-22.7861
29	0.5	-1.49085	109.005	-23.5316
30	0.5	-1.47579	111.183	-24.2695
31	0.5	-1.4538	113.296	-24.9964
32	0.5	-1.43953	115.368	-25.7161
33	0.5	-1.42554	117.401	-26.4289
34	0.5	-1.40507	119.375	-27.1314
35	0.5	-1.39175	121.312	-27.8273
36	0.5	-1.37866	123.212	-28.5166
37	0.5	-1.35946	125.061	-29.1964
38	0.5	-1.34694	126.875	-29.8698
39	0.5	-1.33462	128.656	-30.5372
40	0.5	-1.31652	130.389	-31.1954
41	0.5	-1.30469	132.091	-31.8478
42	0.5	-1.28727	133.749	-32.4914
43	0.5	-1.27588	135.376	-33.1293
44	0.5	-1.26464	136.976	-33.7617
45	0.5	-1.24809	138.533	-34.3857
46	0.5	-1.23724	140.064	-35.0043
47	0.5	-1.22653	141.569	-35.6176
48	0.5	-1.21073	143.034	-36.2229
49	0.5	-1.20036	144.475	-36.8231
50	0.5	-1.19012	145.892	-37.4182
51	0.5	-1.17499	147.272	-38.0057
52	0.5	-1.16505	148.63	-38.5882
53	0.5	-1.15035	149.953	-39.1634
54	0.5	-1.14069	151.254	-39.7337
55	0.5	-1.13113	152.534	-40.2993
56	0.5	-1.11699	153.781	-40.8578
57	0.5	-1.10768	155.008	-41.4116
58	0.5	-1.09847	156.215	-41.9609
59	0.5	-1.08482	157.392	-42.5033
60	0.5	-1.07584	158.549	-43.0412
61	0.5	-1.06694	159.687	-43.5747
62	0.5	-1.05375	160.798	-44.1015
63	0.5	-1.04505	161.89	-44.6241
64	0.5	-1.03643	162.964	-45.1423
65	0.5	-1.02365	164.012	-45.6541
66	0.5	-1.01522	165.043	-46.1617
67	0.5	-1.00271	166.048	-46.6631
68	0.5	-0.994457	167.037	-47.1603
69	0.5	-0.986272	168.01	-47.6534
70	0.5	-0.974114	168.959	-48.1405
71	0.5	-0.966088	169.892	-48.6235
72	0.5	-0.958125	170.81	-49.1026
73	0.5	-0.946291	171.705	-49.5757
74	0.5	-0.938476	172.586	-50.045
75	0.5	-0.930718	173.452	-50.5103
76	0.5	-0.919183	174.297	-50.9699

77	0.5	-0.911562	175.128	-51.4257
78	0.5	-0.903992	175.945	-51.8777
79	0.5	-0.892733	176.742	-52.3241
80	0.5	-0.885291	177.526	-52.7667
81	0.5	-0.874218	178.29	-53.2038
82	0.5	-0.866894	179.042	-53.6373
83	0.5	-0.859618	179.781	-54.0671
84	0.5	-0.848786	180.501	-54.4915
85	0.5	-0.841621	181.21	-54.9123
86	0.5	-0.834498	181.906	-55.3295
87	0.5	-0.823893	182.585	-55.7415
88	0.5	-0.816874	183.252	-56.1499
89	0.5	-0.809896	183.908	-56.5549
90	0.5	-0.7995	184.547	-56.9546
91	0.5	-0.792618	185.175	-57.3509
92	0.5	-0.785774	185.793	-57.7438
93	0.5	-0.775574	186.394	-58.1316
94	0.5	-0.768821	186.986	-58.516
95	0.5	-0.758753	187.561	-58.8954
96	0.5	-0.752084	188.127	-59.2714
97	0.5	-0.745449	188.683	-59.6441
98	0.5	-0.735557	189.224	-60.0119
99	0.5	-0.729003	189.755	-60.3764
100	0.5	-0.722479	190.277	-60.7377
101	0.5	-0.712751	190.785	-61.094
102	0.5	-0.706302	191.284	-61.4472
103	0.5	-0.699883	191.774	-61.7971
104	0.5	-0.690309	192.25	-62.1423
105	0.5	-0.68396	192.718	-62.4843
106	0.5	-0.67449	193.173	-62.8215
107	0.5	-0.668209	193.619	-63.1556
108	0.5	-0.661955	194.058	-63.4866
109	0.5	-0.652622	194.484	-63.8129
110	0.5	-0.646431	194.901	-64.1361
111	0.5	-0.640266	195.311	-64.4563
112	0.5	-0.631062	195.71	-64.7718
113	0.5	-0.624956	196.1	-65.0843
114	0.5	-0.618872	196.483	-65.3937
115	0.5	-0.609791	196.855	-65.6986
116	0.5	-0.603765	197.22	-66.0005
117	0.5	-0.597761	197.577	-66.2994
118	0.5	-0.588793	197.924	-66.5938
119	0.5	-0.582841	198.263	-66.8852
120	0.5	-0.573953	198.593	-67.1722
121	0.5	-0.568052	198.915	-67.4562
122	0.5	-0.56217	199.231	-67.7373
123	0.5	-0.553384	199.538	-68.014
124	0.5	-0.547551	199.837	-68.2877
125	0.5	-0.541736	200.131	-68.5586
126	0.5	-0.533048	200.415	-68.8251
127	0.5	-0.52728	200.693	-69.0888
128	0.5	-0.521527	200.965	-69.3495
129	0.5	-0.51293	201.228	-69.606
130	0.5	-0.507221	201.485	-69.8596
131	0.5	-0.501527	201.737	-70.1104
132	0.5	-0.493018	201.98	-70.3569
133	0.5	-0.487364	202.218	-70.6006
134	0.5	-0.478914	202.447	-70.84
135	0.5	-0.473299	202.671	-71.0767
136	0.5	-0.467699	202.89	-71.3105
137	0.5	-0.459327	203.101	-71.5402
138	0.5	-0.453763	203.307	-71.7671
139	0.5	-0.448213	203.507	-71.9912
140	0.5	-0.439913	203.701	-72.2111
141	0.5	-0.434397	203.89	-72.4283
142	0.5	-0.428895	204.074	-72.6428
143	0.5	-0.420664	204.251	-72.8531
144	0.5	-0.415193	204.423	-73.0607
145	0.5	-0.409735	204.591	-73.2656
146	0.5	-0.401571	204.752	-73.4663
147	0.5	-0.396142	204.909	-73.6644
148	0.5	-0.388022	205.06	-73.8584
149	0.5	-0.382622	205.206	-74.0497
150	0.5	-0.377233	205.348	-74.2384
151	0.5	-0.369171	205.485	-74.4229
152	0.5	-0.363809	205.617	-74.6048
153	0.5	-0.358459	205.745	-74.7841
154	0.5	-0.350451	205.868	-74.9593
155	0.5	-0.345126	205.987	-75.1319
156	0.5	-0.33981	206.103	-75.3018
157	0.5	-0.331854	206.213	-75.4677
158	0.5	-0.326561	206.32	-75.631
159	0.5	-0.318639	206.421	-75.7903
160	0.5	-0.31337	206.519	-75.947
161	0.5	-0.308108	206.614	-76.101
162	0.5	-0.300232	206.704	-76.2512

163	0.5	-0.294992	206.791	-76.3987
164	0.5	-0.28976	206.875	-76.5435
165	0.5	-0.281926	206.955	-76.6845
166	0.5	-0.276714	207.031	-76.8229
167	0.5	-0.271509	207.105	-76.9586
168	0.5	-0.263715	207.175	-77.0905
169	0.5	-0.258527	207.242	-77.2197
170	0.5	-0.253347	207.306	-77.3464
171	0.5	-0.24559	207.366	-77.4692
172	0.5	-0.240426	207.424	-77.5894
173	0.5	-0.232693	207.478	-77.7058
174	0.5	-0.227545	207.53	-77.8195
175	0.5	-0.222403	207.579	-77.9307
176	0.5	-0.214702	207.625	-78.0381
177	0.5	-0.209575	207.669	-78.1429
178	0.5	-0.204452	207.711	-78.2451
179	0.5	-0.196779	207.75	-78.3435
180	0.5	-0.191671	207.787	-78.4393
181	0.5	-0.186567	207.821	-78.5326
182	0.5	-0.17892	207.853	-78.6221
183	0.5	-0.173829	207.884	-78.709
184	0.5	-0.168741	207.912	-78.7933
185	0.5	-0.161119	207.938	-78.8739
186	0.5	-0.156042	207.962	-78.9519
187	0.5	-0.148434	207.984	-79.0261
188	0.5	-0.143367	208.005	-79.0978
189	0.5	-0.138305	208.024	-79.167
190	0.5	-0.130716	208.041	-79.2323
191	0.5	-0.125661	208.057	-79.2952
192	0.5	-0.12061	208.072	-79.3555
193	0.5	-0.113039	208.084	-79.412
194	0.5	-0.107995	208.096	-79.466
195	0.5	-0.102953	208.107	-79.5175
196	0.5	-0.0953969	208.116	-79.5652
197	0.5	-0.0903606	208.124	-79.6103
198	0.5	-0.0853288	208.131	-79.653
199	0.5	-0.0777834	208.137	-79.6919
200	0.5	-0.0727562	208.142	-79.7283
201	0.5	-0.0652187	208.147	-79.7609
202	0.5	-0.0601949	208.15	-79.791
203	0.5	-0.0551734	208.153	-79.8186
204	0.5	-0.0476439	208.156	-79.8424
205	0.5	-0.0426257	208.157	-79.8637
206	0.5	-0.0376076	208.159	-79.8825
207	0.5	-0.0300838	208.16	-79.8976
208	0.5	-0.0250691	208.16	-79.9101
209	0.5	-0.0200544	208.161	-79.9201
210	0.5	-0.0125328	208.161	-79.9264
211	0.5	-0.00751925	208.161	-79.9301
212	0.5	0	208.161	-79.9301
213	0.5	0.00751925	208.161	-79.9264
214	0.5	0.0125328	208.161	-79.9201
215	0.5	0.0200544	208.162	-79.9101
216	0.5	0.0250691	208.162	-79.8976
217	0.5	0.0300838	208.163	-79.8825
218	0.5	0.0376076	208.165	-79.8637
219	0.5	0.0426257	208.166	-79.8424
220	0.5	0.0476439	208.169	-79.8186
221	0.5	0.0551734	208.172	-79.791
222	0.5	0.0601949	208.175	-79.7609
223	0.5	0.0652187	208.18	-79.7283
224	0.5	0.0727562	208.185	-79.6919
225	0.5	0.0777834	208.191	-79.653
226	0.5	0.0853288	208.198	-79.6103
227	0.5	0.0903606	208.206	-79.5652
228	0.5	0.0953969	208.215	-79.5175
229	0.5	0.102953	208.226	-79.466
230	0.5	0.107995	208.238	-79.412
231	0.5	0.113039	208.251	-79.3555
232	0.5	0.12061	208.265	-79.2952
233	0.5	0.125661	208.281	-79.2323
234	0.5	0.130716	208.298	-79.167
235	0.5	0.138305	208.317	-79.0978
236	0.5	0.143367	208.338	-79.0261
237	0.5	0.148434	208.36	-78.9519
238	0.5	0.156042	208.384	-78.8739
239	0.5	0.161119	208.41	-78.7933
240	0.5	0.168741	208.438	-78.709
241	0.5	0.173829	208.469	-78.6221
242	0.5	0.17892	208.501	-78.5326
243	0.5	0.186567	208.535	-78.4393
244	0.5	0.191671	208.572	-78.3435
245	0.5	0.196779	208.611	-78.2451
246	0.5	0.204452	208.653	-78.1429
247	0.5	0.209575	208.697	-78.0381
248	0.5	0.214702	208.743	-77.9307

249	0.5	0.222403	208.792	-77.8195
250	0.5	0.227545	208.844	-77.7058
251	0.5	0.232693	208.898	-77.5894
252	0.5	0.240426	208.956	-77.4692
253	0.5	0.24559	209.016	-77.3464
254	0.5	0.253347	209.08	-77.2197
255	0.5	0.258527	209.147	-77.0905
256	0.5	0.263715	209.217	-76.9586
257	0.5	0.271509	209.291	-76.8229
258	0.5	0.276714	209.367	-76.6845
259	0.5	0.281926	209.447	-76.5435
260	0.5	0.28976	209.531	-76.3987
261	0.5	0.294992	209.618	-76.2512
262	0.5	0.300232	209.708	-76.101
263	0.5	0.308108	209.803	-75.947
264	0.5	0.31337	209.901	-75.7903
265	0.5	0.318639	210.002	-75.631
266	0.5	0.326561	210.109	-75.4677
267	0.5	0.331854	210.219	-75.3018
268	0.5	0.33981	210.335	-75.1319
269	0.5	0.345126	210.454	-74.9593
270	0.5	0.350451	210.577	-74.7841
271	0.5	0.358459	210.705	-74.6048
272	0.5	0.363809	210.837	-74.4229
273	0.5	0.369171	210.974	-74.2384
274	0.5	0.377233	211.116	-74.0497
275	0.5	0.382622	211.262	-73.8584
276	0.5	0.388022	211.413	-73.6644
277	0.5	0.396142	211.57	-73.4663
278	0.5	0.401571	211.731	-73.2656
279	0.5	0.409735	211.899	-73.0607
280	0.5	0.415193	212.071	-72.8531
281	0.5	0.420664	212.248	-72.6428
282	0.5	0.428895	212.432	-72.4283
283	0.5	0.434397	212.621	-72.2111
284	0.5	0.439913	212.815	-71.9912
285	0.5	0.448213	213.015	-71.7671
286	0.5	0.453763	213.221	-71.5402
287	0.5	0.459327	213.432	-71.3105
288	0.5	0.467699	213.651	-71.0767
289	0.5	0.473299	213.875	-70.84
290	0.5	0.478914	214.104	-70.6006
291	0.5	0.487364	214.342	-70.3569
292	0.5	0.493018	214.585	-70.1104
293	0.5	0.501527	214.837	-69.8596
294	0.5	0.507221	215.094	-69.606
295	0.5	0.51293	215.357	-69.3495
296	0.5	0.521527	215.629	-69.0888
297	0.5	0.52728	215.907	-68.8251
298	0.5	0.533048	216.191	-68.5586
299	0.5	0.541736	216.485	-68.2877
300	0.5	0.547551	216.784	-68.014
301	0.5	0.553384	217.091	-67.7373
302	0.5	0.56217	217.407	-67.4562
303	0.5	0.568052	217.729	-67.1722
304	0.5	0.573953	218.059	-66.8852
305	0.5	0.582841	218.398	-66.5938
306	0.5	0.588793	218.745	-66.2994
307	0.5	0.597761	219.102	-66.0005
308	0.5	0.603765	219.467	-65.6986
309	0.5	0.609791	219.839	-65.3937
310	0.5	0.618872	220.222	-65.0843
311	0.5	0.624956	220.612	-64.7718
312	0.5	0.631062	221.011	-64.4563
313	0.5	0.640266	221.421	-64.1361
314	0.5	0.646431	221.838	-63.8129
315	0.5	0.652622	222.264	-63.4866
316	0.5	0.661955	222.703	-63.1556
317	0.5	0.668209	223.149	-62.8215
318	0.5	0.67449	223.604	-62.4843
319	0.5	0.68396	224.072	-62.1423
320	0.5	0.690309	224.548	-61.7971
321	0.5	0.699883	225.038	-61.4472
322	0.5	0.706302	225.537	-61.094
323	0.5	0.712751	226.045	-60.7377
324	0.5	0.722479	226.567	-60.3764
325	0.5	0.729003	227.098	-60.0119
326	0.5	0.735557	227.639	-59.6441
327	0.5	0.745449	228.195	-59.2714
328	0.5	0.752084	228.761	-58.8954
329	0.5	0.758753	229.337	-58.516
330	0.5	0.768821	229.928	-58.1316
331	0.5	0.775574	230.529	-57.7438
332	0.5	0.785774	231.147	-57.3509
333	0.5	0.792618	231.775	-56.9546
334	0.5	0.7995	232.414	-56.5549

335	0.5	0.809896	233.07	-56.1499
336	0.5	0.816874	233.737	-55.7415
337	0.5	0.823893	234.416	-55.3295
338	0.5	0.834498	235.112	-54.9123
339	0.5	0.841621	235.821	-54.4915
340	0.5	0.848786	236.541	-54.0671
341	0.5	0.859618	237.28	-53.6373
342	0.5	0.866894	238.032	-53.2038
343	0.5	0.874218	238.796	-52.7667
344	0.5	0.885291	239.58	-52.3241
345	0.5	0.892733	240.377	-51.8777
346	0.5	0.903992	241.194	-51.4257
347	0.5	0.911562	242.025	-50.9699
348	0.5	0.919183	242.87	-50.5103
349	0.5	0.930718	243.736	-50.045
350	0.5	0.938476	244.617	-49.5757
351	0.5	0.946291	245.512	-49.1026
352	0.5	0.958125	246.43	-48.6235
353	0.5	0.966088	247.363	-48.1405
354	0.5	0.974114	248.312	-47.6534
355	0.5	0.986272	249.285	-47.1603
356	0.5	0.994457	250.274	-46.6631
357	0.5	1.00271	251.279	-46.1617
358	0.5	1.01522	252.31	-45.6541
359	0.5	1.02365	253.358	-45.1423
360	0.5	1.03643	254.432	-44.6241
361	0.5	1.04505	255.524	-44.1015
362	0.5	1.05375	256.635	-43.5747
363	0.5	1.06694	257.773	-43.0412
364	0.5	1.07584	258.93	-42.5033
365	0.5	1.08482	260.107	-41.9609
366	0.5	1.09847	261.314	-41.4116
367	0.5	1.10768	262.541	-40.8578
368	0.5	1.11699	263.789	-40.2993
369	0.5	1.13113	265.068	-39.7337
370	0.5	1.14069	266.369	-39.1634
371	0.5	1.15035	267.692	-38.5882
372	0.5	1.16505	269.05	-38.0057
373	0.5	1.17499	270.43	-37.4182
374	0.5	1.19012	271.847	-36.8231
375	0.5	1.20036	273.288	-36.2229
376	0.5	1.21073	274.753	-35.6176
377	0.5	1.22653	276.258	-35.0043
378	0.5	1.23724	277.789	-34.3857
379	0.5	1.24809	279.346	-33.7617
380	0.5	1.26464	280.946	-33.1293
381	0.5	1.27588	282.573	-32.4914
382	0.5	1.28727	284.231	-31.8478
383	0.5	1.30469	285.933	-31.1954
384	0.5	1.31652	287.666	-30.5372
385	0.5	1.33462	289.447	-29.8698
386	0.5	1.34694	291.261	-29.1964
387	0.5	1.35946	293.11	-28.5166
388	0.5	1.37866	295.01	-27.8273
389	0.5	1.39175	296.947	-27.1314
390	0.5	1.40507	298.921	-26.4289
391	0.5	1.42554	300.954	-25.7161
392	0.5	1.43953	303.026	-24.9964
393	0.5	1.4538	305.139	-24.2695
394	0.5	1.47579	307.317	-23.5316
395	0.5	1.49085	309.54	-22.7861
396	0.5	1.50626	311.809	-22.033
397	0.5	1.53007	314.15	-21.268
398	0.5	1.54643	316.541	-20.4948
399	0.5	1.57179	319.012	-19.7089
400	0.5	1.58927	321.538	-18.9142
401	0.5	1.60725	324.121	-18.1106
402	0.5	1.63524	326.795	-17.293
403	0.5	1.65463	329.533	-16.4657
404	0.5	1.67466	332.337	-15.6284
405	0.5	1.70604	335.248	-14.7753
406	0.5	1.72793	338.234	-13.9114
407	0.5	1.75069	341.298	-13.036
408	0.5	1.78661	344.49	-12.1427
409	0.5	1.81191	347.773	-11.2368
410	0.5	1.83843	351.153	-10.3175
411	0.5	1.88079	354.691	-9.37715
412	0.5	1.91103	358.343	-8.42164
413	0.5	1.95996	362.184	-7.44166
414	0.5	1.99539	366.166	-6.44396
415	0.5	2.03352	370.301	-5.4272
416	0.5	2.09693	374.698	-4.37873
417	0.5	2.14441	379.297	-3.30653
418	0.5	2.19728	384.125	-2.20789
419	0.7	2.29036	389.37	-0.604634
420	1.2	2.36561	394.967	2.2341

421	1.3	2.45727	401.005	5.42856
422	1.9	2.65209	408.038	10.4675
423	3	2.87815	416.322	19.102

Data Set Standard Deviation = 0.153823
Numerator = 364.885
Denominator = 4157.04
W Statistic = 0.0877753 = 364.885 / 4157.04

5% Critical value of 0.976 exceeds 0.0877753
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.0877753
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 = 452

i	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	-2.29036	32.6768	-15.988
6	2.1	-2.22621	37.6328	-20.663
7	2.2	-2.17009	42.3421	-25.4372
8	2.3	-2.12007	46.8368	-30.3133
9	3.27	-2.07485	51.1418	-37.0981
10	3.4	-2.01409	55.1984	-43.946
11	3.92	-1.97737	59.1083	-51.6973
12	4	-1.94314	62.8841	-59.4698
13	4.06	-1.91103	66.5362	-67.2286
14	4.1	-1.88079	70.0735	-74.9399
15	4.6	-1.83843	73.4533	-83.3966
16	4.87	-1.81191	76.7364	-92.2206
17	5	-1.78661	79.9283	-101.154
18	5	-1.76241	83.0344	-109.966
19	6	-1.7392	86.0592	-120.401
20	6	-1.70604	88.9698	-130.637
21	6.2	-1.68494	91.8088	-141.084
22	6.24	-1.66456	94.5796	-151.471
23	6.4	-1.64485	97.2852	-161.998
24	6.8	-1.62576	99.9283	-173.053
25	7	-1.59819	102.482	-184.24
26	7	-1.58047	104.98	-195.304
27	8.5	-1.56322	107.424	-208.591
28	9	-1.54643	109.815	-222.509
29	9.1	-1.52203	112.132	-236.359
30	9.44	-1.50626	114.401	-250.578
31	10	-1.49085	116.624	-265.487
32	11	-1.47579	118.801	-281.721
33	11	-1.46106	120.936	-297.792
34	14.4	-1.43953	123.008	-318.522
35	14.5	-1.42554	125.041	-339.192
36	15	-1.41183	127.034	-360.369
37	15	-1.39838	128.989	-381.345
38	15	-1.38517	130.908	-402.123
39	15.4	-1.36581	132.773	-423.156
40	25	-1.35317	134.605	-456.985
41	25	-1.34075	136.402	-490.504
42	40	-1.32854	138.167	-543.646
43	40	-1.31652	139.9	-596.307
44	40	-1.29884	141.587	-648.26
45	40	-1.28727	143.244	-699.751
46	40	-1.27588	144.872	-750.786
47	40	-1.26464	146.472	-801.372
48	40	-1.25357	148.043	-851.514
49	40	-1.23724	149.574	-901.004
50	40	-1.22653	151.078	-950.065
51	40	-1.21596	152.557	-998.703
52	40	-1.20553	154.01	-1046.92
53	40	-1.19522	155.439	-1094.73
54	40	-1.18	156.831	-1141.93
55	40	-1.17	158.2	-1188.73
56	40	-1.16012	159.546	-1235.14
57	40	-1.15035	160.869	-1281.15
58	40	-1.1359	162.159	-1326.59
59	40	-1.12639	163.428	-1371.64
60	40	-1.11699	164.676	-1416.32
61	40	-1.10768	165.903	-1460.63
62	40	-1.09847	167.109	-1504.57
63	40	-1.08482	168.286	-1547.96
64	40	-1.07584	169.444	-1591
65	40	-1.06694	170.582	-1633.67
66	40	-1.05812	171.702	-1676
67	40	-1.04939	172.803	-1717.97
68	40	-1.03643	173.877	-1759.43
69	40	-1.02789	174.934	-1800.55
70	40	-1.01943	175.973	-1841.32
71	40	-1.01104	176.995	-1881.76
72	40	-1.00271	178	-1921.87
73	40	-0.990356	178.981	-1961.49
74	40	-0.982202	179.946	-2000.78
75	40	-0.974114	180.895	-2039.74
76	40	-0.966088	181.828	-2078.38

77	40	-0.958125	182.746	-2116.71
78	40	-0.946291	183.642	-2154.56
79	40	-0.938476	184.522	-2192.1
80	40	-0.930718	185.389	-2229.33
81	40	-0.923014	186.241	-2266.25
82	40	-0.911562	187.071	-2302.71
83	40	-0.903992	187.889	-2338.87
84	40	-0.896473	188.692	-2374.73
85	40	-0.889006	189.483	-2410.29
86	40	-0.881587	190.26	-2445.55
87	40	-0.87055	191.018	-2480.38
88	40	-0.863249	191.763	-2514.91
89	40	-0.855996	192.496	-2549.15
90	40	-0.848786	193.216	-2583.1
91	40	-0.841621	193.924	-2616.76
92	40	-0.830953	194.615	-2650
93	40	-0.823893	195.294	-2682.96
94	40	-0.816874	195.961	-2715.63
95	40	-0.809896	196.617	-2748.03
96	40	-0.802956	197.262	-2780.14
97	40	-0.792618	197.89	-2811.85
98	40	-0.785774	198.507	-2843.28
99	40	-0.778966	199.114	-2874.44
100	40	-0.772193	199.71	-2905.33
101	40	-0.765456	200.296	-2935.94
102	40	-0.755415	200.867	-2966.16
103	40	-0.748762	201.428	-2996.11
104	40	-0.742143	201.978	-3025.8
105	40	-0.735557	202.519	-3055.22
106	40	-0.729003	203.051	-3084.38
107	40	-0.719228	203.568	-3113.15
108	40	-0.712751	204.076	-3141.66
109	40	-0.706302	204.575	-3169.91
110	40	-0.699883	205.065	-3197.91
111	40	-0.690309	205.541	-3225.52
112	40	-0.68396	206.009	-3252.88
113	40	-0.677639	206.468	-3279.98
114	40	-0.671346	206.919	-3306.84
115	40	-0.665079	207.361	-3333.44
116	40	-0.655726	207.791	-3359.67
117	40	-0.649522	208.213	-3385.65
118	40	-0.643345	208.627	-3411.38
119	40	-0.637192	209.033	-3436.87
120	40	-0.631062	209.431	-3462.11
121	40	-0.621911	209.818	-3486.99
122	40	-0.615839	210.197	-3511.62
123	40	-0.609791	210.569	-3536.02
124	40	-0.603765	210.934	-3560.17
125	40	-0.597761	211.291	-3584.08
126	40	-0.588793	211.638	-3607.63
127	40	-0.582841	211.978	-3630.94
128	40	-0.576911	212.31	-3654.02
129	40	-0.570999	212.636	-3676.86
130	40	-0.565108	212.956	-3699.46
131	40	-0.556308	213.265	-3721.71
132	40	-0.550465	213.568	-3743.73
133	40	-0.544642	213.865	-3765.52
134	40	-0.538836	214.155	-3787.07
135	40	-0.530162	214.436	-3808.28
136	40	-0.524401	214.711	-3829.25
137	40	-0.518658	214.98	-3850
138	40	-0.51293	215.243	-3870.52
139	40	-0.507221	215.501	-3890.81
140	40	-0.498687	215.749	-3910.75
141	40	-0.493018	215.992	-3930.48
142	40	-0.487364	216.23	-3949.97
143	40	-0.481728	216.462	-3969.24
144	40	-0.476105	216.689	-3988.28
145	40	-0.467699	216.907	-4006.99
146	40	-0.462114	217.121	-4025.48
147	40	-0.456542	217.329	-4043.74
148	40	-0.450985	217.533	-4061.78
149	40	-0.445443	217.731	-4079.59
150	40	-0.437153	217.922	-4097.08
151	40	-0.431644	218.109	-4114.35
152	40	-0.426148	218.29	-4131.39
153	40	-0.420664	218.467	-4148.22
154	40	-0.415193	218.64	-4164.83
155	40	-0.40701	218.805	-4181.11
156	40	-0.401571	218.967	-4197.17
157	40	-0.396142	219.123	-4213.02
158	40	-0.390726	219.276	-4228.64
159	40	-0.385321	219.425	-4244.06
160	40	-0.377233	219.567	-4259.15
161	40	-0.371856	219.705	-4274.02
162	40	-0.36649	219.839	-4288.68

163	40	-0.361133	219.97	-4303.13
164	40	-0.353118	220.095	-4317.25
165	40	-0.347787	220.216	-4331.16
166	40	-0.342466	220.333	-4344.86
167	40	-0.337155	220.446	-4358.35
168	40	-0.331854	220.557	-4371.62
169	40	-0.323919	220.662	-4384.58
170	40	-0.318639	220.763	-4397.32
171	40	-0.31337	220.861	-4409.86
172	40	-0.308108	220.956	-4422.18
173	40	-0.302855	221.048	-4434.3
174	40	-0.294992	221.135	-4446.1
175	40	-0.28976	221.219	-4457.69
176	40	-0.284535	221.3	-4469.07
177	40	-0.279319	221.378	-4480.24
178	40	-0.27411	221.453	-4491.21
179	40	-0.266311	221.524	-4501.86
180	40	-0.26112	221.592	-4512.3
181	40	-0.255936	221.658	-4522.54
182	40	-0.250759	221.721	-4532.57
183	40	-0.24559	221.781	-4542.39
184	40	-0.237847	221.837	-4551.91
185	40	-0.232693	221.892	-4561.22
186	40	-0.227545	221.943	-4570.32
187	40	-0.222403	221.993	-4579.21
188	40	-0.214702	222.039	-4587.8
189	40	-0.209575	222.083	-4596.18
190	40	-0.204452	222.125	-4604.36
191	40	-0.199336	222.164	-4612.34
192	40	-0.194225	222.202	-4620.11
193	40	-0.186567	222.237	-4627.57
194	40	-0.181468	222.27	-4634.83
195	40	-0.176374	222.301	-4641.88
196	40	-0.171285	222.33	-4648.73
197	40	-0.166199	222.358	-4655.38
198	40	-0.158579	222.383	-4661.72
199	40	-0.153505	222.407	-4667.86
200	40	-0.148434	222.429	-4673.8
201	40	-0.143367	222.449	-4679.54
202	40	-0.138305	222.468	-4685.07
203	40	-0.130716	222.485	-4690.3
204	40	-0.125661	222.501	-4695.32
205	40	-0.12061	222.516	-4700.15
206	40	-0.115562	222.529	-4704.77
207	40	-0.110516	222.541	-4709.19
208	40	-0.102953	222.552	-4713.31
209	40	-0.0979139	222.561	-4717.23
210	40	-0.0928787	222.57	-4720.94
211	40	-0.0878447	222.578	-4724.45
212	40	-0.0828129	222.585	-4727.77
213	40	-0.0752698	222.59	-4730.78
214	40	-0.0702426	222.595	-4733.59
215	40	-0.0652187	222.6	-4736.2
216	40	-0.0601949	222.603	-4738.6
217	40	-0.0526632	222.606	-4740.71
218	40	-0.0476439	222.608	-4742.62
219	40	-0.0426257	222.61	-4744.32
220	40	-0.0376076	222.611	-4745.83
221	40	-0.0325917	222.612	-4747.13
222	40	-0.0250691	222.613	-4748.13
223	40	-0.0200544	222.614	-4748.93
224	40	-0.0150408	222.614	-4749.54
225	40	-0.0100272	222.614	-4749.94
226	40	-0.00501359	222.614	-4750.14
227	40	0.00501359	222.614	-4749.94
228	40	0.0100272	222.614	-4749.54
229	40	0.0150408	222.614	-4748.93
230	40	0.0200544	222.615	-4748.13
231	40	0.0250691	222.615	-4747.13
232	40	0.0325917	222.616	-4745.83
233	40	0.0376076	222.618	-4744.32
234	40	0.0426257	222.62	-4742.62
235	40	0.0476439	222.622	-4740.71
236	40	0.0526632	222.625	-4738.6
237	40	0.0601949	222.628	-4736.2
238	40	0.0652187	222.632	-4733.59
239	40	0.0702426	222.637	-4730.78
240	40	0.0752698	222.643	-4727.77
241	40	0.0828129	222.65	-4724.45
242	40	0.0878447	222.658	-4720.94
243	40	0.0928787	222.666	-4717.23
244	40	0.0979139	222.676	-4713.31
245	40	0.102953	222.686	-4709.19
246	40	0.110516	222.699	-4704.77
247	40	0.115562	222.712	-4700.15
248	40	0.12061	222.727	-4695.32

249	40	0.125661	222.742	-4690.3
250	40	0.130716	222.759	-4685.07
251	40	0.138305	222.779	-4679.54
252	40	0.143367	222.799	-4673.8
253	40	0.148434	222.821	-4667.86
254	40	0.153505	222.845	-4661.72
255	40	0.158579	222.87	-4655.38
256	40	0.166199	222.897	-4648.73
257	40	0.171285	222.927	-4641.88
258	40	0.176374	222.958	-4634.83
259	40	0.181468	222.991	-4627.57
260	40	0.186567	223.026	-4620.11
261	40	0.194225	223.063	-4612.34
262	40	0.199336	223.103	-4604.36
263	40	0.204452	223.145	-4596.18
264	40	0.209575	223.189	-4587.8
265	40	0.214702	223.235	-4579.21
266	40	0.222403	223.284	-4570.32
267	40	0.227545	223.336	-4561.22
268	40	0.232693	223.39	-4551.91
269	40	0.237847	223.447	-4542.39
270	40	0.24559	223.507	-4532.57
271	40	0.250759	223.57	-4522.54
272	40	0.255936	223.636	-4512.3
273	40	0.26112	223.704	-4501.86
274	40	0.266311	223.775	-4491.21
275	40	0.27411	223.85	-4480.24
276	40	0.279319	223.928	-4469.07
277	40	0.284535	224.009	-4457.69
278	40	0.28976	224.093	-4446.1
279	40	0.294992	224.18	-4434.3
280	40	0.302855	224.272	-4422.18
281	40	0.308108	224.366	-4409.86
282	40	0.31337	224.465	-4397.32
283	40	0.318639	224.566	-4384.58
284	40	0.323919	224.671	-4371.62
285	40	0.331854	224.781	-4358.35
286	40	0.337155	224.895	-4344.86
287	40	0.342466	225.012	-4331.16
288	40	0.347787	225.133	-4317.25
289	40	0.353118	225.258	-4303.13
290	40	0.361133	225.388	-4288.68
291	40	0.36649	225.523	-4274.02
292	40	0.371856	225.661	-4259.15
293	40	0.377233	225.803	-4244.06
294	40	0.385321	225.952	-4228.64
295	40	0.390726	226.104	-4213.02
296	40	0.396142	226.261	-4197.17
297	40	0.401571	226.422	-4181.11
298	40	0.40701	226.588	-4164.83
299	40	0.415193	226.761	-4148.22
300	40	0.420664	226.937	-4131.39
301	40	0.426148	227.119	-4114.35
302	40	0.431644	227.305	-4097.08
303	40	0.437153	227.497	-4079.59
304	40	0.445443	227.695	-4061.78
305	40	0.450985	227.898	-4043.74
306	40	0.456542	228.107	-4025.48
307	40	0.462114	228.32	-4006.99
308	40	0.467699	228.539	-3988.28
309	40	0.476105	228.766	-3969.24
310	40	0.481728	228.998	-3949.97
311	40	0.487364	229.235	-3930.48
312	40	0.493018	229.478	-3910.75
313	40	0.498687	229.727	-3890.81
314	40	0.507221	229.984	-3870.52
315	40	0.51293	230.247	-3850
316	40	0.518658	230.516	-3829.25
317	40	0.524401	230.791	-3808.28
318	40	0.530162	231.073	-3787.07
319	40	0.538836	231.363	-3765.52
320	40	0.544642	231.659	-3743.73
321	40	0.550465	231.962	-3721.71
322	40	0.556308	232.272	-3699.46
323	40	0.565108	232.591	-3676.86
324	40	0.570999	232.917	-3654.02
325	40	0.576911	233.25	-3630.94
326	40	0.582841	233.59	-3607.63
327	40	0.588793	233.937	-3584.08
328	40	0.597761	234.294	-3560.17
329	40	0.603765	234.658	-3536.02
330	40	0.609791	235.03	-3511.62
331	40	0.615839	235.41	-3486.99
332	40	0.621911	235.796	-3462.11
333	40	0.631062	236.195	-3436.87
334	40	0.637192	236.601	-3411.38

335	40	0.643345	237.014	-3385.65
336	40	0.649522	237.436	-3359.67
337	40	0.655726	237.866	-3333.44
338	40	0.665079	238.309	-3306.84
339	40	0.671346	238.759	-3279.98
340	40	0.677639	239.219	-3252.88
341	40	0.68396	239.686	-3225.52
342	40	0.690309	240.163	-3197.91
343	40	0.699883	240.653	-3169.91
344	40	0.706302	241.152	-3141.66
345	40	0.712751	241.66	-3113.15
346	40	0.719228	242.177	-3084.38
347	40	0.729003	242.708	-3055.22
348	40	0.735557	243.249	-3025.8
349	40	0.742143	243.8	-2996.11
350	40	0.748762	244.361	-2966.16
351	40	0.755415	244.931	-2935.94
352	40	0.765456	245.517	-2905.33
353	40	0.772193	246.114	-2874.44
354	40	0.778966	246.72	-2843.28
355	40	0.785774	247.338	-2811.85
356	40	0.792618	247.966	-2780.14
357	40	0.802956	248.611	-2748.03
358	40	0.809896	249.267	-2715.63
359	40	0.816874	249.934	-2682.96
360	40	0.823893	250.613	-2650
361	40	0.830953	251.303	-2616.76
362	40	0.841621	252.012	-2583.1
363	40	0.848786	252.732	-2549.15
364	40	0.855996	253.465	-2514.91
365	40	0.863249	254.21	-2480.38
366	40	0.87055	254.968	-2445.55
367	40	0.881587	255.745	-2410.29
368	40	0.889006	256.535	-2374.73
369	40	0.896473	257.339	-2338.87
370	40	0.903992	258.156	-2302.71
371	40	0.911562	258.987	-2266.25
372	40	0.923014	259.839	-2229.33
373	40	0.930718	260.705	-2192.1
374	40	0.938476	261.586	-2154.56
375	40	0.946291	262.482	-2116.71
376	40	0.958125	263.4	-2078.38
377	40	0.966088	264.333	-2039.74
378	40	0.974114	265.282	-2000.78
379	40	0.982202	266.247	-1961.49
380	40	0.990356	267.227	-1921.87
381	40	1.00271	268.233	-1881.76
382	41	1.01104	269.255	-1840.31
383	42	1.01943	270.294	-1797.5
384	42	1.02789	271.351	-1754.32
385	43	1.03643	272.425	-1709.76
386	44	1.04939	273.526	-1663.59
387	44	1.05812	274.646	-1617.03
388	44	1.06694	275.784	-1570.08
389	45	1.07584	276.942	-1521.67
390	45	1.08482	278.118	-1472.85
391	46	1.09847	279.325	-1422.32
392	47	1.10768	280.552	-1370.26
393	48	1.11699	281.8	-1316.65
394	48	1.12639	283.068	-1262.58
395	48	1.1359	284.359	-1208.06
396	50	1.15035	285.682	-1150.54
397	50.1	1.16012	287.028	-1092.42
398	51	1.17	288.397	-1032.75
399	51	1.18	289.789	-972.568
400	52	1.19522	291.218	-910.416
401	53	1.20553	292.671	-846.523
402	55.8	1.21596	294.15	-778.673
403	59	1.22653	295.654	-706.307
404	59	1.23724	297.185	-633.31
405	62	1.25357	298.756	-555.589
406	63.2	1.26464	300.355	-475.664
407	63.2	1.27588	301.983	-395.029
408	66	1.28727	303.64	-310.069
409	67	1.29884	305.327	-223.047
410	67	1.31652	307.061	-134.84
411	68	1.32854	308.826	-44.4992
412	69	1.34075	310.623	48.0128
413	72	1.35317	312.454	145.441
414	75	1.36581	314.32	247.877
415	75	1.38517	316.238	351.765
416	75	1.39838	318.194	456.643
417	76	1.41183	320.187	563.942
418	77	1.42554	322.219	673.709
419	78	1.43953	324.292	785.992
420	78	1.46106	326.426	899.955

421	79.1	1.47579	328.604	1016.69
422	83	1.49085	330.827	1140.43
423	84	1.50626	333.096	1266.96
424	86	1.52203	335.412	1397.85
425	86	1.54643	337.804	1530.84
426	98	1.56322	340.247	1684.04
427	100	1.58047	342.745	1842.09
428	101	1.59819	345.299	2003.5
429	104	1.62576	347.943	2172.58
430	110	1.64485	350.648	2353.52
431	110	1.66456	353.419	2536.62
432	113	1.68494	356.258	2727.02
433	124	1.70604	359.169	2938.57
434	130	1.7392	362.193	3164.66
435	130	1.76241	365.299	3393.78
436	138	1.78661	368.491	3640.33
437	140	1.81191	371.774	3894
438	160	1.83843	375.154	4188.14
439	170	1.88079	378.692	4507.88
440	180	1.91103	382.344	4851.86
441	195	1.94314	386.119	5230.78
442	199	1.97737	390.029	5624.27
443	208	2.01409	394.086	6043.2
444	220	2.07485	398.391	6499.67
445	220	2.12007	402.886	6966.08
446	230	2.17009	407.595	7465.21
447	250	2.22621	412.551	8021.76
448	280	2.29036	417.797	8663.06
449	340	2.40892	423.6	9482.09
450	410	2.51213	429.91	10512.1
451	410	2.65209	436.944	11599.4
452	524	2.87815	445.228	13107.6

Data Set Standard Deviation = 48.0193
Numerator = 1.71809e+008
Denominator = 4.6301e+008
W Statistic = 0.371069 = 1.71809e+008 / 4.6301e+008

5% Critical value of 0.976 exceeds 0.371069
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.371069
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 = 452

i	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	-2.29036	32.6768	-28.7499
6	3.5	-2.22621	37.6328	-36.5416
7	3.7	-2.17009	42.3421	-44.571
8	4.03	-2.12007	46.8368	-53.1149
9	4.2	-2.07485	51.1418	-61.8292
10	4.7	-2.01409	55.1984	-71.2955
11	5	-1.97737	59.1083	-81.1823
12	5.1	-1.94314	62.8841	-91.0923
13	5.7	-1.91103	66.5362	-101.985
14	6	-1.88079	70.0735	-113.27
15	6	-1.83843	73.4533	-124.3
16	7.1	-1.81191	76.7364	-137.165
17	7.31	-1.78661	79.9283	-150.225
18	7.66	-1.76241	83.0344	-163.725
19	7.8	-1.7392	86.0592	-177.291
20	8.7	-1.70604	88.9698	-192.134
21	8.88	-1.68494	91.8088	-207.096
22	9.4	-1.66456	94.5796	-222.743
23	10	-1.64485	97.2852	-239.191
24	11	-1.62576	99.9283	-257.075
25	12	-1.59819	102.482	-276.253
26	14	-1.58047	104.98	-298.379
27	15	-1.56322	107.424	-321.828
28	18	-1.54643	109.815	-349.664
29	20	-1.52203	112.132	-380.104
30	20	-1.50626	114.401	-410.229
31	20.5	-1.49085	116.624	-440.792
32	21	-1.47579	118.801	-471.784
33	21.6	-1.46106	120.936	-503.342
34	22	-1.43953	123.008	-535.012
35	25	-1.42554	125.041	-570.651
36	25	-1.41183	127.034	-605.946
37	30	-1.39838	128.989	-647.898
38	30	-1.38517	130.908	-689.453
39	30	-1.36581	132.773	-730.427
40	30	-1.35317	134.605	-771.022
41	36	-1.34075	136.402	-819.289
42	36	-1.32854	138.167	-867.117
43	37.5	-1.31652	139.9	-916.486
44	38	-1.29884	141.587	-965.842
45	48	-1.28727	143.244	-1027.63
46	48.5	-1.27588	144.872	-1089.51
47	50	-1.26464	146.472	-1152.74
48	50	-1.25357	148.043	-1215.42
49	50	-1.23724	149.574	-1277.28
50	50	-1.22653	151.078	-1338.61
51	50	-1.21596	152.557	-1399.41
52	50	-1.20553	154.01	-1459.68
53	50	-1.19522	155.439	-1519.45
54	50	-1.18	156.831	-1578.45
55	50	-1.17	158.2	-1636.95
56	50	-1.16012	159.546	-1694.95
57	50	-1.15035	160.869	-1752.47
58	50	-1.1359	162.159	-1809.26
59	50	-1.12639	163.428	-1865.58
60	50	-1.11699	164.676	-1921.43
61	50	-1.10768	165.903	-1976.82
62	50	-1.09847	167.109	-2031.74
63	50	-1.08482	168.286	-2085.98
64	50	-1.07584	169.444	-2139.77
65	50	-1.06694	170.582	-2193.12
66	50	-1.05812	171.702	-2246.03
67	50	-1.04939	172.803	-2298.5
68	50	-1.03643	173.877	-2350.32
69	50	-1.02789	174.934	-2401.71
70	50	-1.01943	175.973	-2452.68
71	50	-1.01104	176.995	-2503.23
72	50	-1.00271	178	-2553.37
73	50	-0.990356	178.981	-2602.89
74	50	-0.982202	179.946	-2652
75	50	-0.974114	180.895	-2700.7
76	50	-0.966088	181.828	-2749.01

77	50	-0.958125	182.746	-2796.91
78	50	-0.946291	183.642	-2844.23
79	50	-0.938476	184.522	-2891.15
80	50	-0.930718	185.389	-2937.69
81	50	-0.923014	186.241	-2983.84
82	50	-0.911562	187.071	-3029.42
83	50	-0.903992	187.889	-3074.62
84	50	-0.896473	188.692	-3119.44
85	50	-0.889006	189.483	-3163.89
86	50	-0.881587	190.26	-3207.97
87	50	-0.87055	191.018	-3251.5
88	50	-0.863249	191.763	-3294.66
89	50	-0.855996	192.496	-3337.46
90	50	-0.848786	193.216	-3379.9
91	50	-0.841621	193.924	-3421.98
92	50	-0.830953	194.615	-3463.53
93	50	-0.823893	195.294	-3504.72
94	50	-0.816874	195.961	-3545.57
95	50	-0.809896	196.617	-3586.06
96	50	-0.802956	197.262	-3626.21
97	50	-0.792618	197.89	-3665.84
98	50	-0.785774	198.507	-3705.13
99	50	-0.778966	199.114	-3744.08
100	50	-0.772193	199.71	-3782.69
101	50	-0.765456	200.296	-3820.96
102	50	-0.755415	200.867	-3858.73
103	50	-0.748762	201.428	-3896.17
104	50	-0.742143	201.978	-3933.28
105	50	-0.735557	202.519	-3970.05
106	50	-0.729003	203.051	-4006.5
107	50	-0.719228	203.568	-4042.46
108	50	-0.712751	204.076	-4078.1
109	50	-0.706302	204.575	-4113.42
110	50	-0.699883	205.065	-4148.41
111	50	-0.690309	205.541	-4182.93
112	50	-0.68396	206.009	-4217.12
113	50	-0.677639	206.468	-4251.01
114	50	-0.671346	206.919	-4284.57
115	50	-0.665079	207.361	-4317.83
116	50	-0.655726	207.791	-4350.61
117	50	-0.649522	208.213	-4383.09
118	50	-0.643345	208.627	-4415.26
119	50	-0.637192	209.033	-4447.12
120	50	-0.631062	209.431	-4478.67
121	50	-0.621911	209.818	-4509.77
122	50	-0.615839	210.197	-4540.56
123	50	-0.609791	210.569	-4571.05
124	50	-0.603765	210.934	-4601.24
125	50	-0.597761	211.291	-4631.12
126	50	-0.588793	211.638	-4660.56
127	50	-0.582841	211.978	-4689.71
128	50	-0.576911	212.31	-4718.55
129	50	-0.570999	212.636	-4747.1
130	50	-0.565108	212.956	-4775.36
131	50	-0.556308	213.265	-4803.17
132	50	-0.550465	213.568	-4830.7
133	50	-0.544642	213.865	-4857.93
134	50	-0.538836	214.155	-4884.87
135	50	-0.530162	214.436	-4911.38
136	50	-0.524401	214.711	-4937.6
137	50	-0.518658	214.98	-4963.53
138	50	-0.51293	215.243	-4989.18
139	50	-0.507221	215.501	-5014.54
140	50	-0.498687	215.749	-5039.47
141	50	-0.493018	215.992	-5064.12
142	50	-0.487364	216.23	-5088.49
143	50	-0.481728	216.462	-5112.58
144	50	-0.476105	216.689	-5136.38
145	50	-0.467699	216.907	-5159.77
146	50	-0.462114	217.121	-5182.87
147	50	-0.456542	217.329	-5205.7
148	50	-0.450985	217.533	-5228.25
149	50	-0.445443	217.731	-5250.52
150	50	-0.437153	217.922	-5272.38
151	50	-0.431644	218.109	-5293.96
152	50	-0.426148	218.29	-5315.27
153	50	-0.420664	218.467	-5336.3
154	50	-0.415193	218.64	-5357.06
155	50	-0.40701	218.805	-5377.41
156	50	-0.401571	218.967	-5397.49
157	50	-0.396142	219.123	-5417.3
158	50	-0.390726	219.276	-5436.83
159	50	-0.385321	219.425	-5456.1
160	50	-0.377233	219.567	-5474.96
161	50	-0.371856	219.705	-5493.55
162	50	-0.36649	219.839	-5511.88

163	50	-0.361133	219.97	-5529.94
164	50	-0.353118	220.095	-5547.59
165	50	-0.347787	220.216	-5564.98
166	50	-0.342466	220.333	-5582.1
167	50	-0.337155	220.446	-5598.96
168	50	-0.331854	220.557	-5615.56
169	50	-0.323919	220.662	-5631.75
170	50	-0.318639	220.763	-5647.68
171	50	-0.31337	220.861	-5663.35
172	50	-0.308108	220.956	-5678.76
173	50	-0.302855	221.048	-5693.9
174	50	-0.294992	221.135	-5708.65
175	50	-0.28976	221.219	-5723.14
176	50	-0.284535	221.3	-5737.36
177	50	-0.279319	221.378	-5751.33
178	50	-0.27411	221.453	-5765.04
179	50	-0.266311	221.524	-5778.35
180	50	-0.26112	221.592	-5791.41
181	50	-0.255936	221.658	-5804.2
182	50	-0.250759	221.721	-5816.74
183	50	-0.24559	221.781	-5829.02
184	50	-0.237847	221.837	-5840.91
185	50	-0.232693	221.892	-5852.55
186	50	-0.227545	221.943	-5863.93
187	50	-0.222403	221.993	-5875.05
188	50	-0.214702	222.039	-5885.78
189	50	-0.209575	222.083	-5896.26
190	50	-0.204452	222.125	-5906.48
191	50	-0.199336	222.164	-5916.45
192	50	-0.194225	222.202	-5926.16
193	50	-0.186567	222.237	-5935.49
194	50	-0.181468	222.27	-5944.56
195	50	-0.176374	222.301	-5953.38
196	50	-0.171285	222.33	-5961.95
197	50	-0.166199	222.358	-5970.26
198	50	-0.158579	222.383	-5978.18
199	50	-0.153505	222.407	-5985.86
200	50	-0.148434	222.429	-5993.28
201	50	-0.143367	222.449	-6000.45
202	50	-0.138305	222.468	-6007.36
203	50	-0.130716	222.485	-6013.9
204	50	-0.125661	222.501	-6020.18
205	50	-0.12061	222.516	-6026.21
206	50	-0.115562	222.529	-6031.99
207	50	-0.110516	222.541	-6037.52
208	50	-0.102953	222.552	-6042.67
209	50	-0.0979139	222.561	-6047.56
210	50	-0.0928787	222.57	-6052.21
211	50	-0.0878447	222.578	-6056.6
212	50	-0.0828129	222.585	-6060.74
213	50	-0.0752698	222.59	-6064.5
214	50	-0.0702426	222.595	-6068.01
215	50	-0.0652187	222.6	-6071.27
216	50	-0.0601949	222.603	-6074.28
217	50	-0.0526632	222.606	-6076.92
218	50	-0.0476439	222.608	-6079.3
219	50	-0.0426257	222.61	-6081.43
220	50	-0.0376076	222.611	-6083.31
221	50	-0.0325917	222.612	-6084.94
222	50	-0.0250691	222.613	-6086.19
223	50	-0.0200544	222.614	-6087.2
224	50	-0.0150408	222.614	-6087.95
225	50	-0.0100272	222.614	-6088.45
226	50	-0.00501359	222.614	-6088.7
227	50	0.00501359	222.614	-6088.45
228	50	0.0100272	222.614	-6087.95
229	50	0.0150408	222.614	-6087.2
230	50	0.0200544	222.615	-6086.19
231	50	0.0250691	222.615	-6084.94
232	50	0.0325917	222.616	-6083.31
233	50	0.0376076	222.618	-6081.43
234	50	0.0426257	222.62	-6079.3
235	50	0.0476439	222.622	-6076.92
236	50	0.0526632	222.625	-6074.28
237	50	0.0601949	222.628	-6071.27
238	50	0.0652187	222.632	-6068.01
239	50	0.0702426	222.637	-6064.5
240	50	0.0752698	222.643	-6060.74
241	50	0.0828129	222.65	-6056.6
242	50	0.0878447	222.658	-6052.21
243	50	0.0928787	222.666	-6047.56
244	50	0.0979139	222.676	-6042.67
245	50	0.102953	222.686	-6037.52
246	50	0.110516	222.699	-6031.99
247	50	0.115562	222.712	-6026.21
248	50	0.12061	222.727	-6020.18

249	50	0.125661	222.742	-6013.9
250	50	0.130716	222.759	-6007.36
251	50	0.138305	222.779	-6000.45
252	50	0.143367	222.799	-5993.28
253	50	0.148434	222.821	-5985.86
254	50	0.153505	222.845	-5978.18
255	50	0.158579	222.87	-5970.26
256	50	0.166199	222.897	-5961.95
257	50	0.171285	222.927	-5953.38
258	50	0.176374	222.958	-5944.56
259	50	0.181468	222.991	-5935.49
260	50	0.186567	223.026	-5926.16
261	50	0.194225	223.063	-5916.45
262	50	0.199336	223.103	-5906.48
263	50	0.204452	223.145	-5896.26
264	50	0.209575	223.189	-5885.78
265	50	0.214702	223.235	-5875.05
266	50	0.222403	223.284	-5863.93
267	50	0.227545	223.336	-5852.55
268	50	0.232693	223.39	-5840.91
269	50	0.237847	223.447	-5829.02
270	50	0.24559	223.507	-5816.74
271	50	0.250759	223.57	-5804.2
272	50	0.255936	223.636	-5791.41
273	50	0.26112	223.704	-5778.35
274	50	0.266311	223.775	-5765.04
275	50	0.27411	223.85	-5751.33
276	50	0.279319	223.928	-5737.36
277	50	0.284535	224.009	-5723.14
278	50	0.28976	224.093	-5708.65
279	50	0.294992	224.18	-5693.9
280	50	0.302855	224.272	-5678.76
281	50	0.308108	224.366	-5663.35
282	50	0.31337	224.465	-5647.68
283	50	0.318639	224.566	-5631.75
284	50	0.323919	224.671	-5615.56
285	50	0.331854	224.781	-5598.96
286	50	0.337155	224.895	-5582.1
287	50	0.342466	225.012	-5564.98
288	50	0.347787	225.133	-5547.59
289	50	0.353118	225.258	-5529.94
290	50	0.361133	225.388	-5511.88
291	50	0.36649	225.523	-5493.55
292	50	0.371856	225.661	-5474.96
293	50	0.377233	225.803	-5456.1
294	50	0.385321	225.952	-5436.83
295	50	0.390726	226.104	-5417.3
296	50	0.396142	226.261	-5397.49
297	50	0.401571	226.422	-5377.41
298	50	0.40701	226.588	-5357.06
299	50	0.415193	226.761	-5336.3
300	50	0.420664	226.937	-5315.27
301	50	0.426148	227.119	-5293.96
302	50	0.431644	227.305	-5272.38
303	50	0.437153	227.497	-5250.52
304	50	0.445443	227.695	-5228.25
305	50	0.450985	227.898	-5205.7
306	50	0.456542	228.107	-5182.87
307	50	0.462114	228.32	-5159.77
308	50	0.467699	228.539	-5136.38
309	50	0.476105	228.766	-5112.58
310	50	0.481728	228.998	-5088.49
311	50	0.487364	229.235	-5064.12
312	50	0.493018	229.478	-5039.47
313	50	0.498687	229.727	-5014.54
314	50	0.507221	229.984	-4989.18
315	50	0.51293	230.247	-4963.53
316	50	0.518658	230.516	-4937.6
317	50	0.524401	230.791	-4911.38
318	50	0.530162	231.073	-4884.87
319	50	0.538836	231.363	-4857.93
320	50	0.544642	231.659	-4830.7
321	50	0.550465	231.962	-4803.17
322	50	0.556308	232.272	-4775.36
323	50	0.565108	232.591	-4747.1
324	50	0.570999	232.917	-4718.55
325	50	0.576911	233.25	-4689.71
326	50	0.582841	233.59	-4660.56
327	50	0.588793	233.937	-4631.12
328	50	0.597761	234.294	-4601.24
329	50	0.603765	234.658	-4571.05
330	50	0.609791	235.03	-4540.56
331	50	0.615839	235.41	-4509.77
332	50	0.621911	235.796	-4478.67
333	50	0.631062	236.195	-4447.12
334	50	0.637192	236.601	-4415.26

335	50	0.643345	237.014	-4383.09
336	50	0.649522	237.436	-4350.61
337	50	0.655726	237.866	-4317.83
338	50	0.665079	238.309	-4284.57
339	50	0.671346	238.759	-4251.01
340	50	0.677639	239.219	-4217.12
341	50	0.68396	239.686	-4182.93
342	50	0.690309	240.163	-4148.41
343	50	0.699883	240.653	-4113.42
344	50	0.706302	241.152	-4078.1
345	50	0.712751	241.66	-4042.46
346	50	0.719228	242.177	-4006.5
347	50	0.729003	242.708	-3970.05
348	50	0.735557	243.249	-3933.28
349	50	0.742143	243.8	-3896.17
350	50	0.748762	244.361	-3858.73
351	50	0.755415	244.931	-3820.96
352	50	0.765456	245.517	-3782.69
353	50	0.772193	246.114	-3744.08
354	50	0.778966	246.72	-3705.13
355	50	0.785774	247.338	-3665.84
356	50	0.792618	247.966	-3626.21
357	50	0.802956	248.611	-3586.06
358	50	0.809896	249.267	-3545.57
359	50	0.816874	249.934	-3504.72
360	50	0.823893	250.613	-3463.53
361	50	0.830953	251.303	-3421.98
362	50	0.841621	252.012	-3379.9
363	50	0.848786	252.732	-3337.46
364	50	0.855996	253.465	-3294.66
365	50	0.863249	254.21	-3251.5
366	50	0.87055	254.968	-3207.97
367	50	0.881587	255.745	-3163.89
368	50	0.889006	256.535	-3119.44
369	50	0.896473	257.339	-3074.62
370	50	0.903992	258.156	-3029.42
371	50	0.911562	258.987	-2983.84
372	50	0.923014	259.839	-2937.69
373	50	0.930718	260.705	-2891.15
374	50	0.938476	261.586	-2844.23
375	50	0.946291	262.482	-2796.91
376	50	0.958125	263.4	-2749.01
377	50	0.966088	264.333	-2700.7
378	50	0.974114	265.282	-2652
379	50	0.982202	266.247	-2602.89
380	50	0.990356	267.227	-2553.37
381	50	1.00271	268.233	-2503.23
382	50	1.01104	269.255	-2452.68
383	52	1.01943	270.294	-2399.67
384	54	1.02789	271.351	-2344.17
385	54	1.03643	272.425	-2288.2
386	54	1.04939	273.526	-2231.53
387	55	1.05812	274.646	-2173.34
388	55	1.06694	275.784	-2114.65
389	56	1.07584	276.942	-2054.41
390	58	1.08482	278.118	-1991.49
391	60	1.09847	279.325	-1925.58
392	60.4	1.10768	280.552	-1858.68
393	61	1.11699	281.8	-1790.54
394	62	1.12639	283.068	-1720.7
395	62	1.1359	284.359	-1650.28
396	63	1.15035	285.682	-1577.81
397	64	1.16012	287.028	-1503.56
398	66	1.17	288.397	-1426.34
399	68	1.18	289.789	-1346.1
400	70	1.19522	291.218	-1262.43
401	71	1.20553	292.671	-1176.84
402	71	1.21596	294.15	-1090.51
403	72	1.22653	295.654	-1002.2
404	72	1.23724	297.185	-913.115
405	72	1.25357	298.756	-822.859
406	72.8	1.26464	300.355	-730.793
407	72.8	1.27588	301.983	-637.909
408	75	1.28727	303.64	-541.364
409	76	1.29884	305.327	-442.652
410	82	1.31652	307.061	-334.697
411	82	1.32854	308.826	-225.757
412	85	1.34075	310.623	-111.793
413	89	1.35317	312.454	8.63948
414	91	1.36581	314.32	132.928
415	91.1	1.38517	316.238	259.117
416	92	1.39838	318.194	387.768
417	92	1.41183	320.187	517.656
418	92	1.42554	322.219	648.806
419	95	1.43953	324.292	785.561
420	98	1.46106	326.426	928.745

421	113	1.47579	328.604	1095.51
422	119	1.49085	330.827	1272.92
423	120	1.50626	333.096	1453.67
424	120	1.52203	335.412	1636.32
425	121	1.54643	337.804	1823.43
426	130	1.56322	340.247	2026.65
427	130	1.58047	342.745	2232.11
428	130	1.59819	345.299	2439.88
429	134	1.62576	347.943	2657.73
430	140	1.64485	350.648	2888.01
431	140	1.66456	353.419	3121.05
432	140	1.68494	356.258	3356.94
433	150	1.70604	359.169	3612.85
434	152	1.7392	362.193	3877.21
435	160	1.76241	365.299	4159.19
436	170	1.78661	368.491	4462.91
437	190	1.81191	371.774	4807.18
438	190	1.83843	375.154	5156.48
439	200	1.88079	378.692	5532.64
440	210	1.91103	382.344	5933.95
441	230	1.94314	386.119	6380.87
442	230	1.97737	390.029	6835.67
443	240	2.01409	394.086	7319.05
444	250	2.07485	398.391	7837.76
445	250	2.12007	402.886	8367.78
446	310	2.17009	407.595	9040.51
447	330	2.22621	412.551	9775.16
448	390	2.29036	417.797	10668.4
449	400	2.40892	423.6	11632
450	424	2.51213	429.91	12697.1
451	560	2.65209	436.944	14182.3
452	579	2.87815	445.228	15848.7

Data Set Standard Deviation = 57.4311
Numerator = 2.51182e+008
Denominator = 6.62297e+008
W Statistic = 0.379259 = 2.51182e+008 / 6.62297e+008

5% Critical value of 0.976 exceeds 0.379259
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.379259
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 = 468

i	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	2.6	-2.25713	37.9375	-12.3395
7	3.2	-2.19728	42.7656	-19.3708
8	3.6	-2.12007	47.2603	-27.003
9	3.9	-2.07485	51.5653	-35.095
10	5.4	-2.03352	55.7005	-46.076
11	9	-1.99539	59.6821	-64.0345
12	10	-1.95996	63.5235	-83.6341
13	10	-1.92684	67.2362	-102.903
14	10	-1.8957	70.8299	-121.859
15	10	-1.86629	74.313	-140.522
16	10	-1.82501	77.6436	-158.772
17	10	-1.79912	80.8804	-176.764
18	10	-1.77438	84.0288	-194.507
19	10	-1.75069	87.0937	-212.014
20	10	-1.72793	90.0795	-229.294
21	10	-1.70604	92.9901	-246.354
22	10	-1.68494	95.8291	-263.203
23	10	-1.65463	98.5669	-279.75
24	10	-1.63524	101.241	-296.102
25	10	-1.61644	103.854	-312.266
26	10	-1.59819	106.408	-328.248
27	10	-1.58047	108.906	-344.053
28	10	-1.56322	111.349	-359.685
29	10	-1.54643	113.741	-375.149
30	10	-1.53007	116.082	-390.45
31	10	-1.50626	118.351	-405.513
32	10	-1.49085	120.574	-420.421
33	10	-1.47579	122.751	-435.179
34	10	-1.46106	124.886	-449.79
35	10	-1.44663	126.979	-464.256
36	10	-1.4325	129.031	-478.581
37	10	-1.41865	131.044	-492.768
38	10	-1.39838	132.999	-506.751
39	10	-1.38517	134.918	-520.603
40	10	-1.3722	136.801	-534.325
41	10	-1.35946	138.649	-547.92
42	10	-1.34694	140.463	-561.389
43	10	-1.33462	142.244	-574.735
44	10	-1.32251	143.993	-587.96
45	10	-1.31058	145.711	-601.066
46	10	-1.29303	147.383	-613.997
47	10	-1.28155	149.025	-626.812
48	10	-1.27024	150.639	-639.514
49	10	-1.25908	152.224	-652.105
50	10	-1.24809	153.782	-664.586
51	10	-1.23724	155.312	-676.959
52	10	-1.22653	156.817	-689.224
53	10	-1.21073	158.283	-701.331
54	10	-1.20036	159.724	-713.335
55	10	-1.19012	161.14	-725.236
56	10	-1.18	162.532	-737.036
57	10	-1.17	163.901	-748.736
58	10	-1.16012	165.247	-760.337
59	10	-1.15035	166.57	-771.841
60	10	-1.14069	167.872	-783.247
61	10	-1.12639	169.14	-794.511
62	10	-1.11699	170.388	-805.681
63	10	-1.10768	171.615	-816.758
64	10	-1.09847	172.822	-827.743
65	10	-1.08935	174.008	-838.636
66	10	-1.08032	175.175	-849.439
67	10	-1.07138	176.323	-860.153
68	10	-1.06252	177.452	-870.778
69	10	-1.04939	178.553	-881.272
70	10	-1.04073	179.637	-891.68
71	10	-1.03215	180.702	-902.001
72	10	-1.02365	181.75	-912.238
73	10	-1.01522	182.78	-922.39
74	10	-1.00687	183.794	-932.459
75	10	-0.998575	184.791	-942.444
76	10	-0.986272	185.764	-952.307

77	10	-0.97815	186.721	-962.089
78	10	-0.970094	187.662	-971.789
79	10	-0.9621	188.588	-981.41
80	10	-0.954165	189.498	-990.952
81	10	-0.946291	190.393	-1000.42
82	10	-0.938476	191.274	-1009.8
83	10	-0.930718	192.14	-1019.11
84	10	-0.919183	192.985	-1028.3
85	10	-0.911562	193.816	-1037.41
86	10	-0.903992	194.633	-1046.45
87	10	-0.896473	195.437	-1055.42
88	10	-0.889006	196.227	-1064.31
89	10	-0.881587	197.005	-1073.12
90	10	-0.874218	197.769	-1081.87
91	10	-0.863249	198.514	-1090.5
92	10	-0.855996	199.247	-1099.06
93	10	-0.848786	199.967	-1107.55
94	10	-0.841621	200.676	-1115.96
95	10	-0.834498	201.372	-1124.31
96	10	-0.827417	202.057	-1132.58
97	10	-0.820379	202.73	-1140.79
98	10	-0.813379	203.391	-1148.92
99	10	-0.802956	204.036	-1156.95
100	10	-0.796056	204.67	-1164.91
101	10	-0.789191	205.292	-1172.8
102	10	-0.782366	205.905	-1180.63
103	10	-0.775574	206.506	-1188.38
104	10	-0.768821	207.097	-1196.07
105	10	-0.7621	207.678	-1203.69
106	10	-0.752084	208.244	-1211.21
107	10	-0.745449	208.799	-1218.67
108	10	-0.738846	209.345	-1226.05
109	10	-0.732275	209.881	-1233.38
110	10	-0.725736	210.408	-1240.63
111	10	-0.719228	210.925	-1247.83
112	10	-0.712751	211.433	-1254.95
113	10	-0.706302	211.932	-1262.02
114	10	-0.696684	212.418	-1268.98
115	10	-0.690309	212.894	-1275.89
116	10	-0.68396	213.362	-1282.73
117	10	-0.677639	213.821	-1289.5
118	10	-0.671346	214.272	-1296.22
119	10	-0.665079	214.714	-1302.87
120	10	-0.658838	215.148	-1309.46
121	10	-0.652622	215.574	-1315.98
122	10	-0.643345	215.988	-1322.42
123	10	-0.637192	216.394	-1328.79
124	10	-0.631062	216.792	-1335.1
125	10	-0.624956	217.183	-1341.35
126	10	-0.618872	217.566	-1347.54
127	10	-0.612813	217.941	-1353.66
128	10	-0.606775	218.31	-1359.73
129	10	-0.597761	218.667	-1365.71
130	10	-0.591776	219.017	-1371.63
131	10	-0.585815	219.36	-1377.49
132	10	-0.579873	219.697	-1383.28
133	10	-0.573953	220.026	-1389.02
134	10	-0.568052	220.349	-1394.71
135	10	-0.56217	220.665	-1400.33
136	10	-0.556308	220.974	-1405.89
137	10	-0.547551	221.274	-1411.37
138	10	-0.541736	221.567	-1416.78
139	10	-0.53594	221.855	-1422.14
140	10	-0.530162	222.136	-1427.44
141	10	-0.524401	222.411	-1432.69
142	10	-0.518658	222.68	-1437.87
143	10	-0.51293	222.943	-1443
144	10	-0.504372	223.197	-1448.05
145	10	-0.498687	223.446	-1453.03
146	10	-0.493018	223.689	-1457.96
147	10	-0.487364	223.927	-1462.84
148	10	-0.481728	224.159	-1467.66
149	10	-0.476105	224.385	-1472.42
150	10	-0.470498	224.607	-1477.12
151	10	-0.464904	224.823	-1481.77
152	10	-0.456542	225.031	-1486.34
153	10	-0.450985	225.235	-1490.85
154	10	-0.445443	225.433	-1495.3
155	10	-0.439913	225.627	-1499.7
156	10	-0.434397	225.815	-1504.04
157	10	-0.428895	225.999	-1508.33
158	10	-0.423405	226.178	-1512.57
159	10	-0.415193	226.351	-1516.72
160	10	-0.409735	226.519	-1520.82
161	10	-0.40429	226.682	-1524.86
162	10	-0.398855	226.841	-1528.85

163	10	-0.393433	226.996	-1532.78
164	10	-0.388022	227.147	-1536.66
165	10	-0.382622	227.293	-1540.49
166	10	-0.377233	227.435	-1544.26
167	10	-0.369171	227.572	-1547.95
168	10	-0.363809	227.704	-1551.59
169	10	-0.358459	227.832	-1555.17
170	10	-0.353118	227.957	-1558.71
171	10	-0.347787	228.078	-1562.18
172	10	-0.342466	228.195	-1565.61
173	10	-0.337155	228.309	-1568.98
174	10	-0.329206	228.417	-1572.27
175	10	-0.323919	228.522	-1575.51
176	10	-0.318639	228.624	-1578.7
177	10	-0.31337	228.722	-1581.83
178	10	-0.308108	228.817	-1584.91
179	10	-0.302855	228.909	-1587.94
180	10	-0.297612	228.997	-1590.92
181	10	-0.292375	229.083	-1593.84
182	10	-0.284535	229.164	-1596.69
183	10	-0.279319	229.242	-1599.48
184	10	-0.27411	229.317	-1602.22
185	10	-0.268908	229.389	-1604.91
186	10	-0.263715	229.459	-1607.55
187	10	-0.258527	229.526	-1610.13
188	10	-0.253347	229.59	-1612.67
189	10	-0.248174	229.651	-1615.15
190	10	-0.240426	229.709	-1617.55
191	10	-0.235269	229.765	-1619.9
192	10	-0.230118	229.818	-1622.2
193	10	-0.224974	229.868	-1624.45
194	10	-0.219834	229.916	-1626.65
195	10	-0.214702	229.963	-1628.8
196	10	-0.209575	230.006	-1630.9
197	10	-0.201894	230.047	-1632.91
198	10	-0.196779	230.086	-1634.88
199	10	-0.191671	230.123	-1636.8
200	10	-0.186567	230.158	-1638.66
201	10	-0.181468	230.19	-1640.48
202	10	-0.176374	230.222	-1642.24
203	10	-0.171285	230.251	-1643.96
204	10	-0.166199	230.279	-1645.62
205	10	-0.158579	230.304	-1647.2
206	10	-0.153505	230.327	-1648.74
207	10	-0.148434	230.349	-1650.22
208	10	-0.143367	230.37	-1651.66
209	10	-0.138305	230.389	-1653.04
210	10	-0.133244	230.407	-1654.37
211	10	-0.128189	230.423	-1655.65
212	10	-0.12061	230.438	-1656.86
213	10	-0.115562	230.451	-1658.02
214	10	-0.110516	230.463	-1659.12
215	10	-0.105474	230.474	-1660.18
216	10	-0.100433	230.484	-1661.18
217	10	-0.0953969	230.494	-1662.13
218	10	-0.0903606	230.502	-1663.04
219	10	-0.0853288	230.509	-1663.89
220	10	-0.0777834	230.515	-1664.67
221	10	-0.0727562	230.52	-1665.4
222	10	-0.0677301	230.525	-1666.07
223	10	-0.0627062	230.529	-1666.7
224	10	-0.0576847	230.532	-1667.28
225	10	-0.0526632	230.535	-1667.8
226	10	-0.0476439	230.537	-1668.28
227	10	-0.0401167	230.539	-1668.68
228	10	-0.0350997	230.54	-1669.03
229	10	-0.0300838	230.541	-1669.33
230	10	-0.0250691	230.542	-1669.58
231	10	-0.0200544	230.542	-1669.79
232	10	-0.0150408	230.542	-1669.94
233	10	-0.0100272	230.542	-1670.04
234	10	-0.00501359	230.542	-1670.09
235	10	0.00501359	230.542	-1670.04
236	10	0.0100272	230.542	-1669.94
237	10	0.0150408	230.543	-1669.79
238	10	0.0200544	230.543	-1669.58
239	10	0.0250691	230.544	-1669.33
240	10	0.0300838	230.545	-1669.03
241	10	0.0350997	230.546	-1668.68
242	10	0.0401167	230.547	-1668.28
243	10	0.0476439	230.55	-1667.8
244	10	0.0526632	230.553	-1667.28
245	10	0.0576847	230.556	-1666.7
246	10	0.0627062	230.56	-1666.07
247	10	0.0677301	230.564	-1665.4
248	10	0.0727562	230.57	-1664.67

249	10	0.0777834	230.576	-1663.89
250	10	0.0853288	230.583	-1663.04
251	10	0.0903606	230.591	-1662.13
252	10	0.0953969	230.6	-1661.18
253	10	0.100433	230.61	-1660.18
254	10	0.105474	230.621	-1659.12
255	10	0.110516	230.634	-1658.02
256	10	0.115562	230.647	-1656.86
257	10	0.12061	230.662	-1655.65
258	10	0.128189	230.678	-1654.37
259	10	0.133244	230.696	-1653.04
260	10	0.138305	230.715	-1651.66
261	10	0.143367	230.735	-1650.22
262	10	0.148434	230.757	-1648.74
263	10	0.153505	230.781	-1647.2
264	10	0.158579	230.806	-1645.62
265	10	0.166199	230.834	-1643.96
266	10	0.171285	230.863	-1642.24
267	10	0.176374	230.894	-1640.48
268	10	0.181468	230.927	-1638.66
269	10	0.186567	230.962	-1636.8
270	10	0.191671	230.999	-1634.88
271	10	0.196779	231.037	-1632.91
272	10	0.201894	231.078	-1630.9
273	10	0.209575	231.122	-1628.8
274	10	0.214702	231.168	-1626.65
275	10	0.219834	231.217	-1624.45
276	10	0.224974	231.267	-1622.2
277	10	0.230118	231.32	-1619.9
278	10	0.235269	231.375	-1617.55
279	10	0.240426	231.433	-1615.15
280	10	0.248174	231.495	-1612.67
281	10	0.253347	231.559	-1610.13
282	10	0.258527	231.626	-1607.55
283	10	0.263715	231.695	-1604.91
284	10	0.268908	231.768	-1602.22
285	10	0.27411	231.843	-1599.48
286	10	0.279319	231.921	-1596.69
287	10	0.284535	232.002	-1593.84
288	10	0.292375	232.087	-1590.92
289	10	0.297612	232.176	-1587.94
290	10	0.302855	232.268	-1584.91
291	10	0.308108	232.363	-1581.83
292	10	0.31337	232.461	-1578.7
293	10	0.318639	232.562	-1575.51
294	10	0.323919	232.667	-1572.27
295	10	0.329206	232.776	-1568.98
296	10	0.337155	232.889	-1565.61
297	10	0.342466	233.007	-1562.18
298	10	0.347787	233.128	-1558.71
299	10	0.353118	233.252	-1555.17
300	10	0.358459	233.381	-1551.59
301	10	0.363809	233.513	-1547.95
302	10	0.369171	233.649	-1544.26
303	10	0.377233	233.792	-1540.49
304	10	0.382622	233.938	-1536.66
305	10	0.388022	234.089	-1532.78
306	10	0.393433	234.243	-1528.85
307	10	0.398855	234.403	-1524.86
308	10	0.40429	234.566	-1520.82
309	10	0.409735	234.734	-1516.72
310	10	0.415193	234.906	-1512.57
311	10	0.423405	235.086	-1508.33
312	10	0.428895	235.269	-1504.04
313	10	0.434397	235.458	-1499.7
314	10	0.439913	235.652	-1495.3
315	10	0.445443	235.85	-1490.85
316	10	0.450985	236.053	-1486.34
317	10	0.456542	236.262	-1481.77
318	10	0.464904	236.478	-1477.12
319	10	0.470498	236.699	-1472.42
320	10	0.476105	236.926	-1467.66
321	10	0.481728	237.158	-1462.84
322	10	0.487364	237.396	-1457.96
323	10	0.493018	237.639	-1453.03
324	10	0.498687	237.887	-1448.05
325	10	0.504372	238.142	-1443
326	10	0.51293	238.405	-1437.87
327	10	0.518658	238.674	-1432.69
328	10	0.524401	238.949	-1427.44
329	10	0.530162	239.23	-1422.14
330	10	0.53594	239.517	-1416.78
331	10	0.541736	239.811	-1411.37
332	10	0.547551	240.111	-1405.89
333	10	0.556308	240.42	-1400.33
334	10	0.56217	240.736	-1394.71

335	10	0.568052	241.059	-1389.02
336	10	0.573953	241.388	-1383.28
337	10	0.579873	241.724	-1377.49
338	10	0.585815	242.068	-1371.63
339	10	0.591776	242.418	-1365.71
340	10	0.597761	242.775	-1359.73
341	10	0.606775	243.143	-1353.66
342	10	0.612813	243.519	-1347.54
343	10	0.618872	243.902	-1341.35
344	10	0.624956	244.292	-1335.1
345	10	0.631062	244.691	-1328.79
346	10	0.637192	245.097	-1322.42
347	10	0.643345	245.511	-1315.98
348	10	0.652622	245.936	-1309.46
349	10	0.658838	246.371	-1302.87
350	10	0.665079	246.813	-1296.22
351	10	0.671346	247.264	-1289.5
352	10	0.677639	247.723	-1282.73
353	10	0.68396	248.191	-1275.89
354	10	0.690309	248.667	-1268.98
355	10	0.696684	249.152	-1262.02
356	10	0.706302	249.651	-1254.95
357	10	0.712751	250.159	-1247.83
358	10	0.719228	250.677	-1240.63
359	10	0.725736	251.203	-1233.38
360	10	0.732275	251.74	-1226.05
361	10	0.738846	252.285	-1218.67
362	10	0.745449	252.841	-1211.21
363	10	0.752084	253.407	-1203.69
364	10	0.7621	253.988	-1196.07
365	10	0.768821	254.579	-1188.38
366	10	0.775574	255.18	-1180.63
367	10	0.782366	255.792	-1172.8
368	10	0.789191	256.415	-1164.91
369	10	0.796056	257.049	-1156.95
370	10	0.802956	257.693	-1148.92
371	10	0.813379	258.355	-1140.79
372	10	0.820379	259.028	-1132.58
373	10	0.827417	259.713	-1124.31
374	10	0.834498	260.409	-1115.96
375	10	0.841621	261.117	-1107.55
376	10	0.848786	261.838	-1099.06
377	10	0.855996	262.571	-1090.5
378	10	0.863249	263.316	-1081.87
379	10	0.874218	264.08	-1073.12
380	10	0.881587	264.857	-1064.31
381	10	0.889006	265.648	-1055.42
382	10	0.896473	266.451	-1046.45
383	10	0.903992	267.268	-1037.41
384	10	0.911562	268.099	-1028.3
385	10	0.919183	268.944	-1019.11
386	10	0.930718	269.811	-1009.8
387	10	0.938476	270.691	-1000.42
388	10	0.946291	271.587	-990.952
389	10	0.954165	272.497	-981.41
390	10	0.9621	273.423	-971.789
391	10	0.970094	274.364	-962.089
392	10	0.97815	275.321	-952.307
393	10	0.986272	276.293	-942.444
394	10	0.998575	277.291	-932.459
395	10	1.00687	278.304	-922.39
396	10	1.01522	279.335	-912.238
397	10	1.02365	280.383	-902.001
398	10	1.03215	281.448	-891.68
399	10	1.04073	282.531	-881.272
400	10	1.04939	283.633	-870.778
401	10	1.06252	284.761	-860.153
402	10	1.07138	285.909	-849.439
403	10	1.08032	287.076	-838.636
404	10	1.08935	288.263	-827.743
405	10	1.09847	289.47	-816.758
406	10	1.10768	290.697	-805.681
407	10	1.11699	291.944	-794.511
408	10	1.12639	293.213	-783.247
409	10	1.14069	294.514	-771.841
410	10	1.15035	295.838	-760.337
411	10	1.16012	297.183	-748.736
412	10	1.17	298.552	-737.036
413	10	1.18	299.945	-725.236
414	10	1.19012	301.361	-713.335
415	10	1.20036	302.802	-701.331
416	10	1.21073	304.268	-689.224
417	10	1.22653	305.772	-676.959
418	10	1.23724	307.303	-664.586
419	10	1.24809	308.861	-652.105
420	10	1.25908	310.446	-639.514

421	10	1.27024	312.06	-626.812
422	10	1.28155	313.702	-613.997
423	10	1.29303	315.374	-601.066
424	10	1.31058	317.091	-587.96
425	10	1.32251	318.84	-574.735
426	10	1.33462	320.622	-561.389
427	10	1.34694	322.436	-547.92
428	10	1.35946	324.284	-534.325
429	10	1.3722	326.167	-520.603
430	10	1.38517	328.086	-506.751
431	10	1.39838	330.041	-492.768
432	10	1.41865	332.054	-478.581
433	10	1.4325	334.106	-464.256
434	10	1.44663	336.199	-449.79
435	10	1.46106	338.333	-435.179
436	10	1.47579	340.511	-420.421
437	10	1.49085	342.734	-405.513
438	10	1.50626	345.003	-390.45
439	10	1.53007	347.344	-375.149
440	10	1.54643	349.735	-359.685
441	10	1.56322	352.179	-344.053
442	10	1.58047	354.677	-328.248
443	10	1.59819	357.231	-312.266
444	10	1.61644	359.844	-296.102
445	10	1.63524	362.518	-279.75
446	10	1.65463	365.256	-263.203
447	10	1.68494	368.095	-246.354
448	10	1.70604	371.005	-229.294
449	10	1.72793	373.991	-212.014
450	10	1.75069	377.056	-194.507
451	10	1.77438	380.204	-176.764
452	10	1.79912	383.441	-158.772
453	10	1.82501	386.772	-140.522
454	10	1.86629	390.255	-121.859
455	10	1.8957	393.848	-102.903
456	10	1.92684	397.561	-83.6341
457	10	1.95996	401.403	-64.0345
458	10	1.99539	405.384	-44.0806
459	10	2.03352	409.519	-23.7454
460	10	2.07485	413.824	-2.99688
461	10	2.12007	418.319	18.2038
462	10	2.19728	423.147	40.1767
463	10	2.25713	428.242	62.7479
464	10	2.32634	433.654	86.0114
465	10	2.40892	439.457	110.101
466	10	2.51213	445.767	135.222
467	12	2.65209	452.801	167.047
468	93	2.87815	461.085	434.715

Data Set Standard Deviation = 4.01934
Numerator = 188977
Denominator = 3.47863e+006
W Statistic = 0.0543252 = 188977 / 3.47863e+006

5% Critical value of 0.976 exceeds 0.0543252
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.0543252
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 = 468

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	2.5	-2.87815	8.28375	-7.19538
2	3.9	-2.65209	15.3173	-17.5385
3	4.1	-2.51213	21.6281	-27.8383
4	4.2	-2.40892	27.431	-37.9557
5	5	-2.32634	32.8429	-49.5875
6	5	-2.25713	37.9375	-60.8731
7	5	-2.19728	42.7656	-71.8595
8	5	-2.12007	47.2603	-82.4599
9	5	-2.07485	51.5653	-92.8341
10	5	-2.03352	55.7005	-103.002
11	5	-1.99539	59.6821	-112.979
12	5	-1.95996	63.5235	-122.778
13	5	-1.92684	67.2362	-132.413
14	5	-1.8957	70.8299	-141.891
15	5	-1.86629	74.313	-151.223
16	5	-1.82501	77.6436	-160.348
17	5	-1.79912	80.8804	-169.343
18	5	-1.77438	84.0288	-178.215
19	5	-1.75069	87.0937	-186.969
20	5	-1.72793	90.0795	-195.608
21	5	-1.70604	92.9901	-204.138
22	5	-1.68494	95.8291	-212.563
23	5	-1.65463	98.5669	-220.836
24	5	-1.63524	101.241	-229.012
25	5	-1.61644	103.854	-237.095
26	5	-1.59819	106.408	-245.086
27	5	-1.58047	108.906	-252.988
28	5	-1.56322	111.349	-260.804
29	5	-1.54643	113.741	-268.536
30	5	-1.53007	116.082	-276.186
31	5	-1.50626	118.351	-283.718
32	5	-1.49085	120.574	-291.172
33	5	-1.47579	122.751	-298.551
34	5	-1.46106	124.886	-305.856
35	5	-1.44663	126.979	-313.089
36	5	-1.4325	129.031	-320.252
37	5	-1.41865	131.044	-327.345
38	5	-1.39838	132.999	-334.337
39	5	-1.38517	134.918	-341.263
40	5	-1.3722	136.801	-348.124
41	5	-1.35946	138.649	-354.921
42	5	-1.34694	140.463	-361.656
43	5	-1.33462	142.244	-368.329
44	5	-1.32251	143.993	-374.942
45	5	-1.31058	145.711	-381.495
46	5	-1.29303	147.383	-387.96
47	5	-1.28155	149.025	-394.367
48	5	-1.27024	150.639	-400.719
49	5	-1.25908	152.224	-407.014
50	5	-1.24809	153.782	-413.255
51	5	-1.23724	155.312	-419.441
52	5	-1.22653	156.817	-425.573
53	5	-1.21073	158.283	-431.627
54	5	-1.20036	159.724	-437.629
55	5	-1.19012	161.14	-443.579
56	5	-1.18	162.532	-449.479
57	5	-1.17	163.901	-455.329
58	5	-1.16012	165.247	-461.13
59	5	-1.15035	166.57	-466.882
60	5	-1.14069	167.872	-472.585
61	5	-1.12639	169.14	-478.217
62	5	-1.11699	170.388	-483.802
63	5	-1.10768	171.615	-489.34
64	5	-1.09847	172.822	-494.833
65	5	-1.08935	174.008	-500.28
66	5	-1.08032	175.175	-505.681
67	5	-1.07138	176.323	-511.038
68	5	-1.06252	177.452	-516.351
69	5	-1.04939	178.553	-521.598
70	5	-1.04073	179.637	-526.801
71	5	-1.03215	180.702	-531.962
72	5	-1.02365	181.75	-537.08
73	5	-1.01522	182.78	-542.156
74	5	-1.00687	183.794	-547.191
75	5	-0.998575	184.791	-552.184
76	5	-0.986272	185.764	-557.115

77	5	-0.97815	186.721	-562.006
78	5	-0.970094	187.662	-566.856
79	5	-0.9621	188.588	-571.667
80	5	-0.954165	189.498	-576.437
81	5	-0.946291	190.393	-581.169
82	5	-0.938476	191.274	-585.861
83	5	-0.930718	192.14	-590.515
84	5	-0.919183	192.985	-595.111
85	5	-0.911562	193.816	-599.669
86	5	-0.903992	194.633	-604.189
87	5	-0.896473	195.437	-608.671
88	5	-0.889006	196.227	-613.116
89	5	-0.881587	197.005	-617.524
90	5	-0.874218	197.769	-621.895
91	5	-0.863249	198.514	-626.211
92	5	-0.855996	199.247	-630.491
93	5	-0.848786	199.967	-634.735
94	5	-0.841621	200.676	-638.943
95	5	-0.834498	201.372	-643.116
96	5	-0.827417	202.057	-647.253
97	5	-0.820379	202.73	-651.355
98	5	-0.813379	203.391	-655.422
99	5	-0.802956	204.036	-659.436
100	5	-0.796056	204.67	-663.417
101	5	-0.789191	205.292	-667.363
102	5	-0.782366	205.905	-671.274
103	5	-0.775574	206.506	-675.152
104	5	-0.768821	207.097	-678.996
105	5	-0.7621	207.678	-682.807
106	5	-0.752084	208.244	-686.567
107	5	-0.745449	208.799	-690.295
108	5	-0.738846	209.345	-693.989
109	5	-0.732275	209.881	-697.65
110	5	-0.725736	210.408	-701.279
111	5	-0.719228	210.925	-704.875
112	5	-0.712751	211.433	-708.439
113	5	-0.706302	211.932	-711.97
114	5	-0.696684	212.418	-715.454
115	5	-0.690309	212.894	-718.905
116	5	-0.68396	213.362	-722.325
117	5	-0.677639	213.821	-725.713
118	5	-0.671346	214.272	-729.07
119	5	-0.665079	214.714	-732.395
120	5	-0.658838	215.148	-735.69
121	5	-0.652622	215.574	-738.953
122	5	-0.643345	215.988	-742.169
123	5	-0.637192	216.394	-745.355
124	5	-0.631062	216.792	-748.511
125	5	-0.624956	217.183	-751.635
126	5	-0.618872	217.566	-754.73
127	5	-0.612813	217.941	-757.794
128	5	-0.606775	218.31	-760.828
129	5	-0.597761	218.667	-763.817
130	5	-0.591776	219.017	-766.775
131	5	-0.585815	219.36	-769.705
132	5	-0.579873	219.697	-772.604
133	5	-0.573953	220.026	-775.474
134	5	-0.568052	220.349	-778.314
135	5	-0.56217	220.665	-781.125
136	5	-0.556308	220.974	-783.906
137	5	-0.547551	221.274	-786.644
138	5	-0.541736	221.567	-789.353
139	5	-0.53594	221.855	-792.032
140	5	-0.530162	222.136	-794.683
141	5	-0.524401	222.411	-797.305
142	5	-0.518658	222.68	-799.899
143	5	-0.51293	222.943	-802.463
144	5	-0.504372	223.197	-804.985
145	5	-0.498687	223.446	-807.478
146	5	-0.493018	223.689	-809.944
147	5	-0.487364	223.927	-812.38
148	5	-0.481728	224.159	-814.789
149	5	-0.476105	224.385	-817.17
150	5	-0.470498	224.607	-819.522
151	5	-0.464904	224.823	-821.847
152	5	-0.456542	225.031	-824.129
153	5	-0.450985	225.235	-826.384
154	5	-0.445443	225.433	-828.611
155	5	-0.439913	225.627	-830.811
156	5	-0.434397	225.815	-832.983
157	5	-0.428895	225.999	-835.127
158	5	-0.423405	226.178	-837.244
159	5	-0.415193	226.351	-839.32
160	5	-0.409735	226.519	-841.369
161	5	-0.40429	226.682	-843.391
162	5	-0.398855	226.841	-845.385

163	5	-0.393433	226.996	-847.352
164	5	-0.388022	227.147	-849.292
165	5	-0.382622	227.293	-851.205
166	5	-0.377233	227.435	-853.091
167	5	-0.369171	227.572	-854.937
168	5	-0.363809	227.704	-856.756
169	5	-0.358459	227.832	-858.549
170	5	-0.353118	227.957	-860.314
171	5	-0.347787	228.078	-862.053
172	5	-0.342466	228.195	-863.765
173	5	-0.337155	228.309	-865.451
174	5	-0.329206	228.417	-867.097
175	5	-0.323919	228.522	-868.717
176	5	-0.318639	228.624	-870.31
177	5	-0.31337	228.722	-871.877
178	5	-0.308108	228.817	-873.417
179	5	-0.302855	228.909	-874.932
180	5	-0.297612	228.997	-876.42
181	5	-0.292375	229.083	-877.882
182	5	-0.284535	229.164	-879.304
183	5	-0.279319	229.242	-880.701
184	5	-0.27411	229.317	-882.071
185	5	-0.268908	229.389	-883.416
186	5	-0.263715	229.459	-884.735
187	5	-0.258527	229.526	-886.027
188	5	-0.253347	229.59	-887.294
189	5	-0.248174	229.651	-888.535
190	5	-0.240426	229.709	-889.737
191	5	-0.235269	229.765	-890.913
192	5	-0.230118	229.818	-892.064
193	5	-0.224974	229.868	-893.189
194	5	-0.219834	229.916	-894.288
195	5	-0.214702	229.963	-895.361
196	5	-0.209575	230.006	-896.409
197	5	-0.201894	230.047	-897.419
198	5	-0.196779	230.086	-898.403
199	5	-0.191671	230.123	-899.361
200	5	-0.186567	230.158	-900.294
201	5	-0.181468	230.19	-901.201
202	5	-0.176374	230.222	-902.083
203	5	-0.171285	230.251	-902.94
204	5	-0.166199	230.279	-903.771
205	5	-0.158579	230.304	-904.563
206	5	-0.153505	230.327	-905.331
207	5	-0.148434	230.349	-906.073
208	5	-0.143367	230.37	-906.79
209	5	-0.138305	230.389	-907.481
210	5	-0.133244	230.407	-908.148
211	5	-0.128189	230.423	-908.789
212	5	-0.12061	230.438	-909.392
213	5	-0.115562	230.451	-909.969
214	5	-0.110516	230.463	-910.522
215	5	-0.105474	230.474	-911.049
216	5	-0.100433	230.484	-911.552
217	5	-0.0953969	230.494	-912.029
218	5	-0.0903606	230.502	-912.48
219	5	-0.0853288	230.509	-912.907
220	5	-0.0777834	230.515	-913.296
221	5	-0.0727562	230.52	-913.66
222	5	-0.0677301	230.525	-913.998
223	5	-0.0627062	230.529	-914.312
224	5	-0.0576847	230.532	-914.6
225	5	-0.0526632	230.535	-914.864
226	5	-0.0476439	230.537	-915.102
227	5	-0.0401167	230.539	-915.302
228	5	-0.0350997	230.54	-915.478
229	5	-0.0300838	230.541	-915.628
230	5	-0.0250691	230.542	-915.754
231	5	-0.0200544	230.542	-915.854
232	5	-0.0150408	230.542	-915.929
233	5	-0.0100272	230.542	-915.979
234	5	-0.00501359	230.542	-916.004
235	5	0.00501359	230.542	-915.979
236	5	0.0100272	230.542	-915.929
237	5	0.0150408	230.543	-915.854
238	5	0.0200544	230.543	-915.754
239	5	0.0250691	230.544	-915.628
240	5	0.0300838	230.545	-915.478
241	5	0.0350997	230.546	-915.302
242	5	0.0401167	230.547	-915.102
243	5	0.0476439	230.55	-914.864
244	5	0.0526632	230.553	-914.6
245	5	0.0576847	230.556	-914.312
246	5	0.0627062	230.56	-913.998
247	5	0.0677301	230.564	-913.66
248	5	0.0727562	230.57	-913.296

249	5	0.0777834	230.576	-912.907
250	5	0.0853288	230.583	-912.48
251	5	0.0903606	230.591	-912.029
252	5	0.0953969	230.6	-911.552
253	5	0.100433	230.61	-911.049
254	5	0.105474	230.621	-910.522
255	5	0.110516	230.634	-909.969
256	5	0.115562	230.647	-909.392
257	5	0.12061	230.662	-908.789
258	5	0.128189	230.678	-908.148
259	5	0.133244	230.696	-907.481
260	5	0.138305	230.715	-906.79
261	5	0.143367	230.735	-906.073
262	5	0.148434	230.757	-905.331
263	5	0.153505	230.781	-904.563
264	5	0.158579	230.806	-903.771
265	5	0.166199	230.834	-902.94
266	5	0.171285	230.863	-902.083
267	5	0.176374	230.894	-901.201
268	5	0.181468	230.927	-900.294
269	5	0.186567	230.962	-899.361
270	5	0.191671	230.999	-898.403
271	5	0.196779	231.037	-897.419
272	5	0.201894	231.078	-896.409
273	5	0.209575	231.122	-895.361
274	5	0.214702	231.168	-894.288
275	5	0.219834	231.217	-893.189
276	5	0.224974	231.267	-892.064
277	5	0.230118	231.32	-890.913
278	5	0.235269	231.375	-889.737
279	5	0.240426	231.433	-888.535
280	5	0.248174	231.495	-887.294
281	5	0.253347	231.559	-886.027
282	5	0.258527	231.626	-884.735
283	5	0.263715	231.695	-883.416
284	5	0.268908	231.768	-882.071
285	5	0.27411	231.843	-880.701
286	5	0.279319	231.921	-879.304
287	5	0.284535	232.002	-877.882
288	5	0.292375	232.087	-876.42
289	5	0.297612	232.176	-874.932
290	5	0.302855	232.268	-873.417
291	5	0.308108	232.363	-871.877
292	5	0.31337	232.461	-870.31
293	5	0.318639	232.562	-868.717
294	5	0.323919	232.667	-867.097
295	5	0.329206	232.776	-865.451
296	5	0.337155	232.889	-863.765
297	5	0.342466	233.007	-862.053
298	5	0.347787	233.128	-860.314
299	5	0.353118	233.252	-858.549
300	5	0.358459	233.381	-856.756
301	5	0.363809	233.513	-854.937
302	5	0.369171	233.649	-853.091
303	5	0.377233	233.792	-851.205
304	5	0.382622	233.938	-849.292
305	5	0.388022	234.089	-847.352
306	5	0.393433	234.243	-845.385
307	5	0.398855	234.403	-843.391
308	5	0.40429	234.566	-841.369
309	5	0.409735	234.734	-839.32
310	5	0.415193	234.906	-837.244
311	5	0.423405	235.086	-835.127
312	5	0.428895	235.269	-832.983
313	5	0.434397	235.458	-830.811
314	5	0.439913	235.652	-828.611
315	5	0.445443	235.85	-826.384
316	5	0.450985	236.053	-824.129
317	5	0.456542	236.262	-821.847
318	5	0.464904	236.478	-819.522
319	5	0.470498	236.699	-817.17
320	5	0.476105	236.926	-814.789
321	5	0.481728	237.158	-812.38
322	5	0.487364	237.396	-809.944
323	5	0.493018	237.639	-807.478
324	5	0.498687	237.887	-804.985
325	5	0.504372	238.142	-802.463
326	5	0.51293	238.405	-799.899
327	5	0.518658	238.674	-797.305
328	5	0.524401	238.949	-794.683
329	5	0.530162	239.23	-792.032
330	5	0.53594	239.517	-789.353
331	5	0.541736	239.811	-786.644
332	5	0.547551	240.111	-783.906
333	5	0.556308	240.42	-781.125
334	5	0.56217	240.736	-778.314

335	5	0.568052	241.059	-775.474
336	5	0.573953	241.388	-772.604
337	5	0.579873	241.724	-769.705
338	5	0.585815	242.068	-766.775
339	5	0.591776	242.418	-763.817
340	5	0.597761	242.775	-760.828
341	5	0.606775	243.143	-757.794
342	5	0.612813	243.519	-754.73
343	5	0.618872	243.902	-751.635
344	5	0.624956	244.292	-748.511
345	5	0.631062	244.691	-745.355
346	5	0.637192	245.097	-742.169
347	5	0.643345	245.511	-738.953
348	5	0.652622	245.936	-735.69
349	5	0.658838	246.371	-732.395
350	5	0.665079	246.813	-729.07
351	5	0.671346	247.264	-725.713
352	5	0.677639	247.723	-722.325
353	5	0.68396	248.191	-718.905
354	5	0.690309	248.667	-715.454
355	5	0.696684	249.152	-711.97
356	5	0.706302	249.651	-708.439
357	5	0.712751	250.159	-704.875
358	5	0.719228	250.677	-701.279
359	5	0.725736	251.203	-697.65
360	5	0.732275	251.74	-693.989
361	5	0.738846	252.285	-690.295
362	5	0.745449	252.841	-686.567
363	5	0.752084	253.407	-682.807
364	5	0.7621	253.988	-678.996
365	5	0.768821	254.579	-675.152
366	5	0.775574	255.18	-671.274
367	5	0.782366	255.792	-667.363
368	5	0.789191	256.415	-663.417
369	5	0.796056	257.049	-659.436
370	5	0.802956	257.693	-655.422
371	5	0.813379	258.355	-651.355
372	5	0.820379	259.028	-647.253
373	5	0.827417	259.713	-643.116
374	5	0.834498	260.409	-638.943
375	5	0.841621	261.117	-634.735
376	5	0.848786	261.838	-630.491
377	5	0.855996	262.571	-626.211
378	5	0.863249	263.316	-621.895
379	5	0.874218	264.08	-617.524
380	5	0.881587	264.857	-613.116
381	5	0.889006	265.648	-608.671
382	5	0.896473	266.451	-604.189
383	5	0.903992	267.268	-599.669
384	5	0.911562	268.099	-595.111
385	5	0.919183	268.944	-590.515
386	5	0.930718	269.811	-585.861
387	5	0.938476	270.691	-581.169
388	5	0.946291	271.587	-576.437
389	5	0.954165	272.497	-571.667
390	5	0.9621	273.423	-566.856
391	5	0.970094	274.364	-562.006
392	5	0.97815	275.321	-557.115
393	5	0.986272	276.293	-552.184
394	5	0.998575	277.291	-547.191
395	5	1.00687	278.304	-542.156
396	5	1.01522	279.335	-537.08
397	5	1.02365	280.383	-531.962
398	5	1.03215	281.448	-526.801
399	5	1.04073	282.531	-521.598
400	5	1.04939	283.633	-516.351
401	5	1.06252	284.761	-511.038
402	5	1.07138	285.909	-505.681
403	5	1.08032	287.076	-500.28
404	5	1.08935	288.263	-494.833
405	5	1.09847	289.47	-489.34
406	5	1.10768	290.697	-483.802
407	5	1.11699	291.944	-478.217
408	5	1.12639	293.213	-472.585
409	5	1.14069	294.514	-466.882
410	5	1.15035	295.838	-461.13
411	5	1.16012	297.183	-455.329
412	5	1.17	298.552	-449.479
413	5	1.18	299.945	-443.579
414	5	1.19012	301.361	-437.629
415	5	1.20036	302.802	-431.627
416	5	1.21073	304.268	-425.573
417	5	1.22653	305.772	-419.441
418	5	1.23724	307.303	-413.255
419	5	1.24809	308.861	-407.014
420	5	1.25908	310.446	-400.719

421	5	1.27024	312.06	-394.367
422	5	1.28155	313.702	-387.96
423	5	1.29303	315.374	-381.495
424	5	1.31058	317.091	-374.942
425	5	1.32251	318.84	-368.329
426	5	1.33462	320.622	-361.656
427	5	1.34694	322.436	-354.921
428	5	1.35946	324.284	-348.124
429	5	1.3722	326.167	-341.263
430	5	1.38517	328.086	-334.337
431	5	1.39838	330.041	-327.345
432	5	1.41865	332.054	-320.252
433	5	1.4325	334.106	-313.089
434	5	1.44663	336.199	-305.856
435	5	1.46106	338.333	-298.551
436	5	1.47579	340.511	-291.172
437	5	1.49085	342.734	-283.718
438	5	1.50626	345.003	-276.186
439	5	1.53007	347.344	-268.536
440	5	1.54643	349.735	-260.804
441	5	1.56322	352.179	-252.988
442	5	1.58047	354.677	-245.086
443	5.2	1.59819	357.231	-236.775
444	5.6	1.61644	359.844	-227.723
445	6.5	1.63524	362.518	-217.094
446	7	1.65463	365.256	-205.512
447	10	1.68494	368.095	-188.662
448	11	1.70604	371.005	-169.896
449	12.3	1.72793	373.991	-148.642
450	12.3	1.75069	377.056	-127.109
451	13	1.77438	380.204	-104.042
452	13	1.79912	383.441	-80.6532
453	14	1.82501	386.772	-55.1031
454	14	1.86629	390.255	-28.975
455	14	1.8957	393.848	-2.4353
456	14	1.92684	397.561	24.5404
457	16	1.95996	401.403	55.8998
458	16	1.99539	405.384	87.8261
459	17	2.03352	409.519	122.396
460	20	2.07485	413.824	163.893
461	21	2.12007	418.319	208.414
462	23	2.19728	423.147	258.952
463	26	2.25713	428.242	317.637
464	27	2.32634	433.654	380.449
465	28	2.40892	439.457	447.898
466	30	2.51213	445.767	523.262
467	34	2.65209	452.801	613.433
468	38	2.87815	461.085	722.803

Data Set Standard Deviation = 3.471
Numerator = 522444
Denominator = 2.59422e+006
W Statistic = 0.201388 = 522444 / 2.59422e+006

5% Critical value of 0.976 exceeds 0.201388
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.201388
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 = 468

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	0.62	-2.87815	8.28375	-1.78445
2	0.72	-2.65209	15.3173	-3.69396
3	0.73	-2.51213	21.6281	-5.52781
4	0.87	-2.40892	27.431	-7.62358
5	0.89	-2.32634	32.8429	-9.69402
6	1.1	-2.25713	37.9375	-12.1769
7	1.2	-2.19728	42.7656	-14.8136
8	1.2	-2.12007	47.2603	-17.3577
9	1.2	-2.07485	51.5653	-19.8475
10	1.2	-2.03352	55.7005	-22.2877
11	1.4	-1.99539	59.6821	-25.0813
12	1.4	-1.95996	63.5235	-27.8252
13	1.5	-1.92684	67.2362	-30.7155
14	1.7	-1.8957	70.8299	-33.9382
15	1.7	-1.86629	74.313	-37.1109
16	2	-1.82501	77.6436	-40.7609
17	2	-1.79912	80.8804	-44.3591
18	2.2	-1.77438	84.0288	-48.2627
19	2.3	-1.75069	87.0937	-52.2893
20	2.5	-1.72793	90.0795	-56.6091
21	2.6	-1.70604	92.9901	-61.0449
22	2.6	-1.68494	95.8291	-65.4257
23	2.7	-1.65463	98.5669	-69.8932
24	5	-1.63524	101.241	-78.0694
25	5	-1.61644	103.854	-86.1515
26	5	-1.59819	106.408	-94.1425
27	5	-1.58047	108.906	-102.045
28	5	-1.56322	111.349	-109.861
29	5	-1.54643	113.741	-117.593
30	5	-1.53007	116.082	-125.243
31	5	-1.50626	118.351	-132.775
32	5	-1.49085	120.574	-140.229
33	5	-1.47579	122.751	-147.608
34	5	-1.46106	124.886	-154.913
35	5	-1.44663	126.979	-162.146
36	5	-1.4325	129.031	-169.309
37	5	-1.41865	131.044	-176.402
38	5	-1.39838	132.999	-183.394
39	5	-1.38517	134.918	-190.32
40	5	-1.3722	136.801	-197.181
41	5	-1.35946	138.649	-203.978
42	5	-1.34694	140.463	-210.713
43	5	-1.33462	142.244	-217.386
44	5	-1.32251	143.993	-223.999
45	5	-1.31058	145.711	-230.551
46	5	-1.29303	147.383	-237.017
47	5	-1.28155	149.025	-243.424
48	5	-1.27024	150.639	-249.776
49	5	-1.25908	152.224	-256.071
50	5	-1.24809	153.782	-262.311
51	5	-1.23724	155.312	-268.498
52	5	-1.22653	156.817	-274.63
53	5	-1.21073	158.283	-280.684
54	5	-1.20036	159.724	-286.686
55	5	-1.19012	161.14	-292.636
56	5	-1.18	162.532	-298.536
57	5	-1.17	163.901	-304.386
58	5	-1.16012	165.247	-310.187
59	5	-1.15035	166.57	-315.939
60	5	-1.14069	167.872	-321.642
61	5	-1.12639	169.14	-327.274
62	5	-1.11699	170.388	-332.859
63	5	-1.10768	171.615	-338.397
64	5	-1.09847	172.822	-343.89
65	5	-1.08935	174.008	-349.336
66	5	-1.08032	175.175	-354.738
67	5	-1.07138	176.323	-360.095
68	5	-1.06252	177.452	-365.408
69	5	-1.04939	178.553	-370.655
70	5	-1.04073	179.637	-375.858
71	5	-1.03215	180.702	-381.019
72	5	-1.02365	181.75	-386.137
73	5	-1.01522	182.78	-391.213
74	5	-1.00687	183.794	-396.248
75	5	-0.998575	184.791	-401.241
76	5	-0.986272	185.764	-406.172

77	5	-0.97815	186.721	-411.063
78	5	-0.970094	187.662	-415.913
79	5	-0.9621	188.588	-420.724
80	5	-0.954165	189.498	-425.494
81	5	-0.946291	190.393	-430.226
82	5	-0.938476	191.274	-434.918
83	5	-0.930718	192.14	-439.572
84	5	-0.919183	192.985	-444.168
85	5	-0.911562	193.816	-448.726
86	5	-0.903992	194.633	-453.246
87	5	-0.896473	195.437	-457.728
88	5	-0.889006	196.227	-462.173
89	5	-0.881587	197.005	-466.581
90	5	-0.874218	197.769	-470.952
91	5	-0.863249	198.514	-475.268
92	5	-0.855996	199.247	-479.548
93	5	-0.848786	199.967	-483.792
94	5	-0.841621	200.676	-488
95	5	-0.834498	201.372	-492.173
96	5	-0.827417	202.057	-496.31
97	5	-0.820379	202.73	-500.412
98	5	-0.813379	203.391	-504.479
99	5	-0.802956	204.036	-508.493
100	5	-0.796056	204.67	-512.474
101	5	-0.789191	205.292	-516.42
102	5	-0.782366	205.905	-520.331
103	5	-0.775574	206.506	-524.209
104	5	-0.768821	207.097	-528.053
105	5	-0.7621	207.678	-531.864
106	5	-0.752084	208.244	-535.624
107	5	-0.745449	208.799	-539.352
108	5	-0.738846	209.345	-543.046
109	5	-0.732275	209.881	-546.707
110	5	-0.725736	210.408	-550.336
111	5	-0.719228	210.925	-553.932
112	5	-0.712751	211.433	-557.496
113	5	-0.706302	211.932	-561.027
114	5	-0.696684	212.418	-564.511
115	5	-0.690309	212.894	-567.962
116	5	-0.68396	213.362	-571.382
117	5	-0.677639	213.821	-574.77
118	5	-0.671346	214.272	-578.127
119	5	-0.665079	214.714	-581.452
120	5	-0.658838	215.148	-584.747
121	5	-0.652622	215.574	-588.01
122	5	-0.643345	215.988	-591.226
123	5	-0.637192	216.394	-594.412
124	5	-0.631062	216.792	-597.568
125	5	-0.624956	217.183	-600.692
126	5	-0.618872	217.566	-603.787
127	5	-0.612813	217.941	-606.851
128	5	-0.606775	218.31	-609.885
129	5	-0.597761	218.667	-612.874
130	5	-0.591776	219.017	-615.832
131	5	-0.585815	219.36	-618.761
132	5	-0.579873	219.697	-621.661
133	5	-0.573953	220.026	-624.531
134	5	-0.568052	220.349	-627.371
135	5	-0.56217	220.665	-630.182
136	5	-0.556308	220.974	-632.963
137	5	-0.547551	221.274	-635.701
138	5	-0.541736	221.567	-638.41
139	5	-0.53594	221.855	-641.089
140	5	-0.530162	222.136	-643.74
141	5	-0.524401	222.411	-646.362
142	5	-0.518658	222.68	-648.955
143	5	-0.51293	222.943	-651.52
144	5	-0.504372	223.197	-654.042
145	5	-0.498687	223.446	-656.535
146	5	-0.493018	223.689	-659.001
147	5	-0.487364	223.927	-661.437
148	5	-0.481728	224.159	-663.846
149	5	-0.476105	224.385	-666.227
150	5	-0.470498	224.607	-668.579
151	5	-0.464904	224.823	-670.904
152	5	-0.456542	225.031	-673.186
153	5	-0.450985	225.235	-675.441
154	5	-0.445443	225.433	-677.668
155	5	-0.439913	225.627	-679.868
156	5	-0.434397	225.815	-682.04
157	5	-0.428895	225.999	-684.184
158	5	-0.423405	226.178	-686.301
159	5	-0.415193	226.351	-688.377
160	5	-0.409735	226.519	-690.426
161	5	-0.40429	226.682	-692.448
162	5	-0.398855	226.841	-694.442

163	5	-0.393433	226.996	-696.409
164	5	-0.388022	227.147	-698.349
165	5	-0.382622	227.293	-700.262
166	5	-0.377233	227.435	-702.148
167	5	-0.369171	227.572	-703.994
168	5	-0.363809	227.704	-705.813
169	5	-0.358459	227.832	-707.606
170	5	-0.353118	227.957	-709.371
171	5	-0.347787	228.078	-711.11
172	5	-0.342466	228.195	-712.822
173	5	-0.337155	228.309	-714.508
174	5	-0.329206	228.417	-716.154
175	5	-0.323919	228.522	-717.774
176	5	-0.318639	228.624	-719.367
177	5	-0.31337	228.722	-720.934
178	5	-0.308108	228.817	-722.474
179	5	-0.302855	228.909	-723.989
180	5	-0.297612	228.997	-725.477
181	5	-0.292375	229.083	-726.939
182	5	-0.284535	229.164	-728.361
183	5	-0.279319	229.242	-729.758
184	5	-0.27411	229.317	-731.128
185	5	-0.268908	229.389	-732.473
186	5	-0.263715	229.459	-733.792
187	5	-0.258527	229.526	-735.084
188	5	-0.253347	229.59	-736.351
189	5	-0.248174	229.651	-737.592
190	5	-0.240426	229.709	-738.794
191	5	-0.235269	229.765	-739.97
192	5	-0.230118	229.818	-741.121
193	5	-0.224974	229.868	-742.246
194	5	-0.219834	229.916	-743.345
195	5	-0.214702	229.963	-744.418
196	5	-0.209575	230.006	-745.466
197	5	-0.201894	230.047	-746.476
198	5	-0.196779	230.086	-747.46
199	5	-0.191671	230.123	-748.418
200	5	-0.186567	230.158	-749.351
201	5	-0.181468	230.19	-750.258
202	5	-0.176374	230.222	-751.14
203	5	-0.171285	230.251	-751.996
204	5	-0.166199	230.279	-752.827
205	5	-0.158579	230.304	-753.62
206	5	-0.153505	230.327	-754.388
207	5	-0.148434	230.349	-755.13
208	5	-0.143367	230.37	-755.847
209	5	-0.138305	230.389	-756.538
210	5	-0.133244	230.407	-757.205
211	5	-0.128189	230.423	-757.846
212	5	-0.12061	230.438	-758.449
213	5	-0.115562	230.451	-759.026
214	5	-0.110516	230.463	-759.579
215	5	-0.105474	230.474	-760.106
216	5	-0.100433	230.484	-760.609
217	5	-0.0953969	230.494	-761.086
218	5	-0.0903606	230.502	-761.537
219	5	-0.0853288	230.509	-761.964
220	5	-0.0777834	230.515	-762.353
221	5	-0.0727562	230.52	-762.717
222	5	-0.0677301	230.525	-763.055
223	5	-0.0627062	230.529	-763.369
224	5	-0.0576847	230.532	-763.657
225	5	-0.0526632	230.535	-763.921
226	5	-0.0476439	230.537	-764.159
227	5	-0.0401167	230.539	-764.359
228	5	-0.0350997	230.54	-764.535
229	5	-0.0300838	230.541	-764.685
230	5	-0.0250691	230.542	-764.811
231	5	-0.0200544	230.542	-764.911
232	5	-0.0150408	230.542	-764.986
233	5	-0.0100272	230.542	-765.036
234	5	-0.00501359	230.542	-765.061
235	5	0.00501359	230.542	-765.036
236	5	0.0100272	230.542	-764.986
237	5	0.0150408	230.543	-764.911
238	5	0.0200544	230.543	-764.811
239	5	0.0250691	230.544	-764.685
240	5	0.0300838	230.545	-764.535
241	5	0.0350997	230.546	-764.359
242	5	0.0401167	230.547	-764.159
243	5	0.0476439	230.55	-763.921
244	5	0.0526632	230.553	-763.657
245	5	0.0576847	230.556	-763.369
246	5	0.0627062	230.56	-763.055
247	5	0.0677301	230.564	-762.717
248	5	0.0727562	230.57	-762.353

249	5	0.0777834	230.576	-761.964
250	5	0.0853288	230.583	-761.537
251	5	0.0903606	230.591	-761.086
252	5	0.0953969	230.6	-760.609
253	5	0.100433	230.61	-760.106
254	5	0.105474	230.621	-759.579
255	5	0.110516	230.634	-759.026
256	5	0.115562	230.647	-758.449
257	5	0.12061	230.662	-757.846
258	5	0.128189	230.678	-757.205
259	5	0.133244	230.696	-756.538
260	5	0.138305	230.715	-755.847
261	5	0.143367	230.735	-755.13
262	5	0.148434	230.757	-754.388
263	5	0.153505	230.781	-753.62
264	5	0.158579	230.806	-752.827
265	5	0.166199	230.834	-751.996
266	5	0.171285	230.863	-751.14
267	5	0.176374	230.894	-750.258
268	5	0.181468	230.927	-749.351
269	5	0.186567	230.962	-748.418
270	5	0.191671	230.999	-747.46
271	5	0.196779	231.037	-746.476
272	5	0.201894	231.078	-745.466
273	5	0.209575	231.122	-744.418
274	5	0.214702	231.168	-743.345
275	5	0.219834	231.217	-742.246
276	5	0.224974	231.267	-741.121
277	5	0.230118	231.32	-739.97
278	5	0.235269	231.375	-738.794
279	5	0.240426	231.433	-737.592
280	5	0.248174	231.495	-736.351
281	5	0.253347	231.559	-735.084
282	5	0.258527	231.626	-733.792
283	5	0.263715	231.695	-732.473
284	5	0.268908	231.768	-731.128
285	5	0.27411	231.843	-729.758
286	5	0.279319	231.921	-728.361
287	5	0.284535	232.002	-726.939
288	5	0.292375	232.087	-725.477
289	5	0.297612	232.176	-723.989
290	5	0.302855	232.268	-722.474
291	5	0.308108	232.363	-720.934
292	5	0.31337	232.461	-719.367
293	5	0.318639	232.562	-717.774
294	5	0.323919	232.667	-716.154
295	5	0.329206	232.776	-714.508
296	5	0.337155	232.889	-712.822
297	5	0.342466	233.007	-711.11
298	5	0.347787	233.128	-709.371
299	5	0.353118	233.252	-707.606
300	5	0.358459	233.381	-705.813
301	5	0.363809	233.513	-703.994
302	5	0.369171	233.649	-702.148
303	5	0.377233	233.792	-700.262
304	5	0.382622	233.938	-698.349
305	5	0.388022	234.089	-696.409
306	5	0.393433	234.243	-694.442
307	5	0.398855	234.403	-692.448
308	5	0.40429	234.566	-690.426
309	5	0.409735	234.734	-688.377
310	5	0.415193	234.906	-686.301
311	5	0.423405	235.086	-684.184
312	5	0.428895	235.269	-682.04
313	5	0.434397	235.458	-679.868
314	5	0.439913	235.652	-677.668
315	5	0.445443	235.85	-675.441
316	5	0.450985	236.053	-673.186
317	5	0.456542	236.262	-670.904
318	5	0.464904	236.478	-668.579
319	5	0.470498	236.699	-666.227
320	5	0.476105	236.926	-663.846
321	5	0.481728	237.158	-661.437
322	5	0.487364	237.396	-659.001
323	5	0.493018	237.639	-656.535
324	5	0.498687	237.887	-654.042
325	5	0.504372	238.142	-651.52
326	5	0.51293	238.405	-648.955
327	5	0.518658	238.674	-646.362
328	5	0.524401	238.949	-643.74
329	5	0.530162	239.23	-641.089
330	5	0.53594	239.517	-638.41
331	5	0.541736	239.811	-635.701
332	5	0.547551	240.111	-632.963
333	5	0.556308	240.42	-630.182
334	5	0.56217	240.736	-627.371

335	5	0.568052	241.059	-624.531
336	5	0.573953	241.388	-621.661
337	5	0.579873	241.724	-618.761
338	5	0.585815	242.068	-615.832
339	5	0.591776	242.418	-612.874
340	5	0.597761	242.775	-609.885
341	5	0.606775	243.143	-606.851
342	5	0.612813	243.519	-603.787
343	5	0.618872	243.902	-600.692
344	5	0.624956	244.292	-597.568
345	5	0.631062	244.691	-594.412
346	5	0.637192	245.097	-591.226
347	5	0.643345	245.511	-588.01
348	5	0.652622	245.936	-584.747
349	5	0.658838	246.371	-581.452
350	5	0.665079	246.813	-578.127
351	5	0.671346	247.264	-574.77
352	5	0.677639	247.723	-571.382
353	5	0.68396	248.191	-567.962
354	5	0.690309	248.667	-564.511
355	5	0.696684	249.152	-561.027
356	5	0.706302	249.651	-557.496
357	5	0.712751	250.159	-553.932
358	5	0.719228	250.677	-550.336
359	5	0.725736	251.203	-546.707
360	5	0.732275	251.74	-543.046
361	5	0.738846	252.285	-539.352
362	5	0.745449	252.841	-535.624
363	5	0.752084	253.407	-531.864
364	5	0.7621	253.988	-528.053
365	5	0.768821	254.579	-524.209
366	5	0.775574	255.18	-520.331
367	5	0.782366	255.792	-516.42
368	5	0.789191	256.415	-512.474
369	5	0.796056	257.049	-508.493
370	5	0.802956	257.693	-504.479
371	5	0.813379	258.355	-500.412
372	5	0.820379	259.028	-496.31
373	5	0.827417	259.713	-492.173
374	5	0.834498	260.409	-488
375	5	0.841621	261.117	-483.792
376	5.1	0.848786	261.838	-479.463
377	5.3	0.855996	262.571	-474.927
378	5.4	0.863249	263.316	-470.265
379	5.5	0.874218	264.08	-465.457
380	5.6	0.881587	264.857	-460.52
381	5.7	0.889006	265.648	-455.453
382	5.8	0.896473	266.451	-450.253
383	5.9	0.903992	267.268	-444.919
384	6	0.911562	268.099	-439.45
385	6	0.919183	268.944	-433.935
386	6.3	0.930718	269.811	-428.071
387	6.3	0.938476	270.691	-422.159
388	6.3	0.946291	271.587	-416.197
389	6.5	0.954165	272.497	-409.995
390	6.8	0.9621	273.423	-403.453
391	6.9	0.970094	274.364	-396.759
392	6.9	0.97815	275.321	-390.01
393	6.9	0.986272	276.293	-383.205
394	6.9	0.998575	277.291	-376.315
395	7	1.00687	278.304	-369.267
396	7	1.01522	279.335	-362.16
397	7	1.02365	280.383	-354.995
398	7.1	1.03215	281.448	-347.666
399	7.2	1.04073	282.531	-340.173
400	7.3	1.04939	283.633	-332.512
401	7.3	1.06252	284.761	-324.756
402	7.4	1.07138	285.909	-316.828
403	7.5	1.08032	287.076	-308.726
404	7.7	1.08935	288.263	-300.338
405	7.7	1.09847	289.47	-291.879
406	7.7	1.10768	290.697	-283.35
407	7.8	1.11699	291.944	-274.638
408	7.9	1.12639	293.213	-265.739
409	7.9	1.14069	294.514	-256.728
410	8.7	1.15035	295.838	-246.72
411	9	1.16012	297.183	-236.279
412	9	1.17	298.552	-225.749
413	9.1	1.18	299.945	-215.011
414	9.2	1.19012	301.361	-204.062
415	9.5	1.20036	302.802	-192.658
416	9.7	1.21073	304.268	-180.914
417	9.8	1.22653	305.772	-168.894
418	10	1.23724	307.303	-156.522
419	11	1.24809	308.861	-142.793
420	11	1.25908	310.446	-128.943

421	11	1.27024	312.06	-114.97
422	11	1.28155	313.702	-100.873
423	11	1.29303	315.374	-86.6498
424	11	1.31058	317.091	-72.2334
425	12	1.32251	318.84	-56.3633
426	12	1.33462	320.622	-40.3478
427	12	1.34694	322.436	-24.1846
428	12	1.35946	324.284	-7.87103
429	12	1.3722	326.167	8.59543
430	12	1.38517	328.086	25.2175
431	12	1.39838	330.041	41.998
432	12	1.41865	332.054	59.0218
433	12	1.4325	334.106	76.2119
434	13	1.44663	336.199	95.0181
435	13	1.46106	338.333	114.012
436	13	1.47579	340.511	133.197
437	13	1.49085	342.734	152.578
438	13.3	1.50626	345.003	172.611
439	14	1.53007	347.344	194.032
440	14	1.54643	349.735	215.682
441	15	1.56322	352.179	239.131
442	15	1.58047	354.677	262.838
443	16	1.59819	357.231	288.409
444	16	1.61644	359.844	314.272
445	16	1.63524	362.518	340.436
446	16	1.65463	365.256	366.91
447	17	1.68494	368.095	395.554
448	17	1.70604	371.005	424.556
449	18	1.72793	373.991	455.659
450	18	1.75069	377.056	487.171
451	19	1.77438	380.204	520.885
452	20	1.79912	383.441	556.867
453	25	1.82501	386.772	602.492
454	25	1.86629	390.255	649.149
455	26	1.8957	393.848	698.437
456	33	1.92684	397.561	762.023
457	35	1.95996	401.403	830.622
458	67.6	1.99539	405.384	965.51
459	69	2.03352	409.519	1105.82
460	78.7	2.07485	413.824	1269.11
461	94	2.12007	418.319	1468.4
462	110	2.19728	423.147	1710.1
463	110	2.25713	428.242	1958.39
464	160	2.32634	433.654	2330.6
465	170	2.40892	439.457	2740.12
466	180	2.51213	445.767	3192.3
467	290	2.65209	452.801	3961.41
468	330	2.87815	461.085	4911.2

Data Set Standard Deviation = 25.7482
Numerator = 2.41199e+007
Denominator = 1.42755e+008
W Statistic = 0.16896 = 2.41199e+007 / 1.42755e+008

5% Critical value of 0.976 exceeds 0.16896
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.16896
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 = 468

i	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	0.71	-2.25713	37.9375	-7.86628
7	0.94	-2.19728	42.7656	-9.93172
8	1	-2.12007	47.2603	-12.0518
9	1.1	-2.07485	51.5653	-14.3341
10	2.3	-2.03352	55.7005	-19.0112
11	3	-1.99539	59.6821	-24.9974
12	5	-1.95996	63.5235	-34.7972
13	5	-1.92684	67.2362	-44.4314
14	5	-1.8957	70.8299	-53.9099
15	5	-1.86629	74.313	-63.2413
16	5	-1.82501	77.6436	-72.3664
17	5	-1.79912	80.8804	-81.362
18	5	-1.77438	84.0288	-90.2338
19	5	-1.75069	87.0937	-98.9873
20	5	-1.72793	90.0795	-107.627
21	5	-1.70604	92.9901	-116.157
22	5	-1.68494	95.8291	-124.582
23	5	-1.65463	98.5669	-132.855
24	5	-1.63524	101.241	-141.031
25	5	-1.61644	103.854	-149.113
26	5	-1.59819	106.408	-157.104
27	5	-1.58047	108.906	-165.007
28	5	-1.56322	111.349	-172.823
29	5	-1.54643	113.741	-180.555
30	5	-1.53007	116.082	-188.205
31	5	-1.50626	118.351	-195.737
32	5	-1.49085	120.574	-203.191
33	5	-1.47579	122.751	-210.57
34	5	-1.46106	124.886	-217.875
35	5	-1.44663	126.979	-225.108
36	5	-1.4325	129.031	-232.271
37	5	-1.41865	131.044	-239.364
38	5	-1.39838	132.999	-246.356
39	5	-1.38517	134.918	-253.282
40	5	-1.3722	136.801	-260.143
41	5	-1.35946	138.649	-266.94
42	5	-1.34694	140.463	-273.675
43	5	-1.33462	142.244	-280.348
44	5	-1.32251	143.993	-286.96
45	5	-1.31058	145.711	-293.513
46	5	-1.29303	147.383	-299.978
47	5	-1.28155	149.025	-306.386
48	5	-1.27024	150.639	-312.737
49	5	-1.25908	152.224	-319.033
50	5	-1.24809	153.782	-325.273
51	5	-1.23724	155.312	-331.459
52	5	-1.22653	156.817	-337.592
53	5	-1.21073	158.283	-343.646
54	5	-1.20036	159.724	-349.647
55	5	-1.19012	161.14	-355.598
56	5	-1.18	162.532	-361.498
57	5	-1.17	163.901	-367.348
58	5	-1.16012	165.247	-373.149
59	5	-1.15035	166.57	-378.9
60	5	-1.14069	167.872	-384.604
61	5	-1.12639	169.14	-390.236
62	5	-1.11699	170.388	-395.821
63	5	-1.10768	171.615	-401.359
64	5	-1.09847	172.822	-406.852
65	5	-1.08935	174.008	-412.298
66	5	-1.08032	175.175	-417.7
67	5	-1.07138	176.323	-423.057
68	5	-1.06252	177.452	-428.369
69	5	-1.04939	178.553	-433.616
70	5	-1.04073	179.637	-438.82
71	5	-1.03215	180.702	-443.981
72	5	-1.02365	181.75	-449.099
73	5	-1.01522	182.78	-454.175
74	5	-1.00687	183.794	-459.209
75	5	-0.998575	184.791	-464.202
76	5	-0.986272	185.764	-469.134

77	5	-0.97815	186.721	-474.024
78	5	-0.970094	187.662	-478.875
79	5	-0.9621	188.588	-483.685
80	5	-0.954165	189.498	-488.456
81	5	-0.946291	190.393	-493.188
82	5	-0.938476	191.274	-497.88
83	5	-0.930718	192.14	-502.534
84	5	-0.919183	192.985	-507.13
85	5	-0.911562	193.816	-511.687
86	5	-0.903992	194.633	-516.207
87	5	-0.896473	195.437	-520.69
88	5	-0.889006	196.227	-525.135
89	5	-0.881587	197.005	-529.543
90	5	-0.874218	197.769	-533.914
91	5	-0.863249	198.514	-538.23
92	5	-0.855996	199.247	-542.51
93	5	-0.848786	199.967	-546.754
94	5	-0.841621	200.676	-550.962
95	5	-0.834498	201.372	-555.134
96	5	-0.827417	202.057	-559.272
97	5	-0.820379	202.73	-563.373
98	5	-0.813379	203.391	-567.44
99	5	-0.802956	204.036	-571.455
100	5	-0.796056	204.67	-575.435
101	5	-0.789191	205.292	-579.381
102	5	-0.782366	205.905	-583.293
103	5	-0.775574	206.506	-587.171
104	5	-0.768821	207.097	-591.015
105	5	-0.7621	207.678	-594.826
106	5	-0.752084	208.244	-598.586
107	5	-0.745449	208.799	-602.313
108	5	-0.738846	209.345	-606.008
109	5	-0.732275	209.881	-609.669
110	5	-0.725736	210.408	-613.298
111	5	-0.719228	210.925	-616.894
112	5	-0.712751	211.433	-620.458
113	5	-0.706302	211.932	-623.989
114	5	-0.696684	212.418	-627.472
115	5	-0.690309	212.894	-630.924
116	5	-0.68396	213.362	-634.344
117	5	-0.677639	213.821	-637.732
118	5	-0.671346	214.272	-641.089
119	5	-0.665079	214.714	-644.414
120	5	-0.658838	215.148	-647.708
121	5	-0.652622	215.574	-650.971
122	5	-0.643345	215.988	-654.188
123	5	-0.637192	216.394	-657.374
124	5	-0.631062	216.792	-660.529
125	5	-0.624956	217.183	-663.654
126	5	-0.618872	217.566	-666.749
127	5	-0.612813	217.941	-669.813
128	5	-0.606775	218.31	-672.846
129	5	-0.597761	218.667	-675.835
130	5	-0.591776	219.017	-678.794
131	5	-0.585815	219.36	-681.723
132	5	-0.579873	219.697	-684.623
133	5	-0.573953	220.026	-687.492
134	5	-0.568052	220.349	-690.333
135	5	-0.56217	220.665	-693.143
136	5	-0.556308	220.974	-695.925
137	5	-0.547551	221.274	-698.663
138	5	-0.541736	221.567	-701.371
139	5	-0.53594	221.855	-704.051
140	5	-0.530162	222.136	-706.702
141	5	-0.524401	222.411	-709.324
142	5	-0.518658	222.68	-711.917
143	5	-0.51293	222.943	-714.482
144	5	-0.504372	223.197	-717.004
145	5	-0.498687	223.446	-719.497
146	5	-0.493018	223.689	-721.962
147	5	-0.487364	223.927	-724.399
148	5	-0.481728	224.159	-726.808
149	5	-0.476105	224.385	-729.188
150	5	-0.470498	224.607	-731.541
151	5	-0.464904	224.823	-733.865
152	5	-0.456542	225.031	-736.148
153	5	-0.450985	225.235	-738.403
154	5	-0.445443	225.433	-740.63
155	5	-0.439913	225.627	-742.83
156	5	-0.434397	225.815	-745.002
157	5	-0.428895	225.999	-747.146
158	5	-0.423405	226.178	-749.263
159	5	-0.415193	226.351	-751.339
160	5	-0.409735	226.519	-753.388
161	5	-0.40429	226.682	-755.409
162	5	-0.398855	226.841	-757.404

163	5	-0.393433	226.996	-759.371
164	5	-0.388022	227.147	-761.311
165	5	-0.382622	227.293	-763.224
166	5	-0.377233	227.435	-765.11
167	5	-0.369171	227.572	-766.956
168	5	-0.363809	227.704	-768.775
169	5	-0.358459	227.832	-770.567
170	5	-0.353118	227.957	-772.333
171	5	-0.347787	228.078	-774.072
172	5	-0.342466	228.195	-775.784
173	5	-0.337155	228.309	-777.47
174	5	-0.329206	228.417	-779.116
175	5	-0.323919	228.522	-780.736
176	5	-0.318639	228.624	-782.329
177	5	-0.31337	228.722	-783.896
178	5	-0.308108	228.817	-785.436
179	5	-0.302855	228.909	-786.95
180	5	-0.297612	228.997	-788.439
181	5	-0.292375	229.083	-789.9
182	5	-0.284535	229.164	-791.323
183	5	-0.279319	229.242	-792.72
184	5	-0.27411	229.317	-794.09
185	5	-0.268908	229.389	-795.435
186	5	-0.263715	229.459	-796.753
187	5	-0.258527	229.526	-798.046
188	5	-0.253347	229.59	-799.313
189	5	-0.248174	229.651	-800.554
190	5	-0.240426	229.709	-801.756
191	5	-0.235269	229.765	-802.932
192	5	-0.230118	229.818	-804.083
193	5	-0.224974	229.868	-805.207
194	5	-0.219834	229.916	-806.307
195	5	-0.214702	229.963	-807.38
196	5	-0.209575	230.006	-808.428
197	5	-0.201894	230.047	-809.438
198	5	-0.196779	230.086	-810.421
199	5	-0.191671	230.123	-811.38
200	5	-0.186567	230.158	-812.313
201	5	-0.181468	230.19	-813.22
202	5	-0.176374	230.222	-814.102
203	5	-0.171285	230.251	-814.958
204	5	-0.166199	230.279	-815.789
205	5	-0.158579	230.304	-816.582
206	5	-0.153505	230.327	-817.35
207	5	-0.148434	230.349	-818.092
208	5	-0.143367	230.37	-818.809
209	5	-0.138305	230.389	-819.5
210	5	-0.133244	230.407	-820.166
211	5	-0.128189	230.423	-820.807
212	5	-0.12061	230.438	-821.41
213	5	-0.115562	230.451	-821.988
214	5	-0.110516	230.463	-822.541
215	5	-0.105474	230.474	-823.068
216	5	-0.100433	230.484	-823.57
217	5	-0.0953969	230.494	-824.047
218	5	-0.0903606	230.502	-824.499
219	5	-0.0853288	230.509	-824.926
220	5	-0.0777834	230.515	-825.315
221	5	-0.0727562	230.52	-825.678
222	5	-0.0677301	230.525	-826.017
223	5	-0.0627062	230.529	-826.331
224	5	-0.0576847	230.532	-826.619
225	5	-0.0526632	230.535	-826.882
226	5	-0.0476439	230.537	-827.121
227	5	-0.0401167	230.539	-827.321
228	5	-0.0350997	230.54	-827.497
229	5	-0.0300838	230.541	-827.647
230	5	-0.0250691	230.542	-827.772
231	5	-0.0200544	230.542	-827.873
232	5	-0.0150408	230.542	-827.948
233	5	-0.0100272	230.542	-827.998
234	5	-0.00501359	230.542	-828.023
235	5	0.00501359	230.542	-827.998
236	5	0.0100272	230.542	-827.948
237	5	0.0150408	230.543	-827.873
238	5	0.0200544	230.543	-827.772
239	5	0.0250691	230.544	-827.647
240	5	0.0300838	230.545	-827.497
241	5	0.0350997	230.546	-827.321
242	5	0.0401167	230.547	-827.121
243	5	0.0476439	230.55	-826.882
244	5	0.0526632	230.553	-826.619
245	5	0.0576847	230.556	-826.331
246	5	0.0627062	230.56	-826.017
247	5	0.0677301	230.564	-825.678
248	5	0.0727562	230.57	-825.315

249	5	0.0777834	230.576	-824.926
250	5	0.0853288	230.583	-824.499
251	5	0.0903606	230.591	-824.047
252	5	0.0953969	230.6	-823.57
253	5	0.100433	230.61	-823.068
254	5	0.105474	230.621	-822.541
255	5	0.110516	230.634	-821.988
256	5	0.115562	230.647	-821.41
257	5	0.12061	230.662	-820.807
258	5	0.128189	230.678	-820.166
259	5	0.133244	230.696	-819.5
260	5	0.138305	230.715	-818.809
261	5	0.143367	230.735	-818.092
262	5	0.148434	230.757	-817.35
263	5	0.153505	230.781	-816.582
264	5	0.158579	230.806	-815.789
265	5	0.166199	230.834	-814.958
266	5	0.171285	230.863	-814.102
267	5	0.176374	230.894	-813.22
268	5	0.181468	230.927	-812.313
269	5	0.186567	230.962	-811.38
270	5	0.191671	230.999	-810.421
271	5	0.196779	231.037	-809.438
272	5	0.201894	231.078	-808.428
273	5	0.209575	231.122	-807.38
274	5	0.214702	231.168	-806.307
275	5	0.219834	231.217	-805.207
276	5	0.224974	231.267	-804.083
277	5	0.230118	231.32	-802.932
278	5	0.235269	231.375	-801.756
279	5	0.240426	231.433	-800.554
280	5	0.248174	231.495	-799.313
281	5	0.253347	231.559	-798.046
282	5	0.258527	231.626	-796.753
283	5	0.263715	231.695	-795.435
284	5	0.268908	231.768	-794.09
285	5	0.27411	231.843	-792.72
286	5	0.279319	231.921	-791.323
287	5	0.284535	232.002	-789.9
288	5	0.292375	232.087	-788.439
289	5	0.297612	232.176	-786.95
290	5	0.302855	232.268	-785.436
291	5	0.308108	232.363	-783.896
292	5	0.31337	232.461	-782.329
293	5	0.318639	232.562	-780.736
294	5	0.323919	232.667	-779.116
295	5	0.329206	232.776	-777.47
296	5	0.337155	232.889	-775.784
297	5	0.342466	233.007	-774.072
298	5	0.347787	233.128	-772.333
299	5	0.353118	233.252	-770.567
300	5	0.358459	233.381	-768.775
301	5	0.363809	233.513	-766.956
302	5	0.369171	233.649	-765.11
303	5	0.377233	233.792	-763.224
304	5	0.382622	233.938	-761.311
305	5	0.388022	234.089	-759.371
306	5	0.393433	234.243	-757.404
307	5	0.398855	234.403	-755.409
308	5	0.40429	234.566	-753.388
309	5	0.409735	234.734	-751.339
310	5	0.415193	234.906	-749.263
311	5	0.423405	235.086	-747.146
312	5	0.428895	235.269	-745.002
313	5	0.434397	235.458	-742.83
314	5	0.439913	235.652	-740.63
315	5	0.445443	235.85	-738.403
316	5	0.450985	236.053	-736.148
317	5	0.456542	236.262	-733.865
318	5	0.464904	236.478	-731.541
319	5	0.470498	236.699	-729.188
320	5	0.476105	236.926	-726.808
321	5	0.481728	237.158	-724.399
322	5	0.487364	237.396	-721.962
323	5	0.493018	237.639	-719.497
324	5	0.498687	237.887	-717.004
325	5	0.504372	238.142	-714.482
326	5	0.51293	238.405	-711.917
327	5	0.518658	238.674	-709.324
328	5	0.524401	238.949	-706.702
329	5	0.530162	239.23	-704.051
330	5	0.53594	239.517	-701.371
331	5	0.541736	239.811	-698.663
332	5	0.547551	240.111	-695.925
333	5	0.556308	240.42	-693.143
334	5	0.56217	240.736	-690.333

335	5	0.568052	241.059	-687.492
336	5	0.573953	241.388	-684.623
337	5	0.579873	241.724	-681.723
338	5	0.585815	242.068	-678.794
339	5	0.591776	242.418	-675.835
340	5	0.597761	242.775	-672.846
341	5	0.606775	243.143	-669.813
342	5	0.612813	243.519	-666.749
343	5	0.618872	243.902	-663.654
344	5	0.624956	244.292	-660.529
345	5	0.631062	244.691	-657.374
346	5	0.637192	245.097	-654.188
347	5	0.643345	245.511	-650.971
348	5	0.652622	245.936	-647.708
349	5	0.658838	246.371	-644.414
350	5	0.665079	246.813	-641.089
351	5	0.671346	247.264	-637.732
352	5	0.677639	247.723	-634.344
353	5	0.68396	248.191	-630.924
354	5	0.690309	248.667	-627.472
355	5	0.696684	249.152	-623.989
356	5	0.706302	249.651	-620.458
357	5	0.712751	250.159	-616.894
358	5	0.719228	250.677	-613.298
359	5	0.725736	251.203	-609.669
360	5	0.732275	251.74	-606.008
361	5	0.738846	252.285	-602.313
362	5	0.745449	252.841	-598.586
363	5	0.752084	253.407	-594.826
364	5	0.7621	253.988	-591.015
365	5	0.768821	254.579	-587.171
366	5	0.775574	255.18	-583.293
367	5	0.782366	255.792	-579.381
368	5	0.789191	256.415	-575.435
369	5	0.796056	257.049	-571.455
370	5	0.802956	257.693	-567.44
371	5	0.813379	258.355	-563.373
372	5	0.820379	259.028	-559.272
373	5	0.827417	259.713	-555.134
374	5	0.834498	260.409	-550.962
375	5	0.841621	261.117	-546.754
376	5	0.848786	261.838	-542.51
377	5	0.855996	262.571	-538.23
378	5	0.863249	263.316	-533.914
379	5	0.874218	264.08	-529.543
380	5	0.881587	264.857	-525.135
381	5	0.889006	265.648	-520.69
382	5	0.896473	266.451	-516.207
383	5	0.903992	267.268	-511.687
384	5	0.911562	268.099	-507.13
385	5	0.919183	268.944	-502.534
386	5	0.930718	269.811	-497.88
387	5	0.938476	270.691	-493.188
388	5	0.946291	271.587	-488.456
389	5	0.954165	272.497	-483.685
390	5	0.9621	273.423	-478.875
391	5	0.970094	274.364	-474.024
392	5	0.97815	275.321	-469.134
393	5	0.986272	276.293	-464.202
394	5	0.998575	277.291	-459.209
395	5	1.00687	278.304	-454.175
396	5	1.01522	279.335	-449.099
397	5	1.02365	280.383	-443.981
398	5	1.03215	281.448	-438.82
399	5	1.04073	282.531	-433.616
400	5	1.04939	283.633	-428.369
401	5	1.06252	284.761	-423.057
402	5	1.07138	285.909	-417.7
403	5	1.08032	287.076	-412.298
404	5	1.08935	288.263	-406.852
405	5	1.09847	289.47	-401.359
406	5	1.10768	290.697	-395.821
407	5	1.11699	291.944	-390.236
408	5	1.12639	293.213	-384.604
409	5	1.14069	294.514	-378.9
410	5	1.15035	295.838	-373.149
411	5	1.16012	297.183	-367.348
412	5	1.17	298.552	-361.498
413	5	1.18	299.945	-355.598
414	5	1.19012	301.361	-349.647
415	5	1.20036	302.802	-343.646
416	5	1.21073	304.268	-337.592
417	5	1.22653	305.772	-331.459
418	5	1.23724	307.303	-325.273
419	5	1.24809	308.861	-319.033
420	5	1.25908	310.446	-312.737

421	5	1.27024	312.06	-306.386
422	5	1.28155	313.702	-299.978
423	5	1.29303	315.374	-293.513
424	5	1.31058	317.091	-286.96
425	5	1.32251	318.84	-280.348
426	5	1.33462	320.622	-273.675
427	5	1.34694	322.436	-266.94
428	5	1.35946	324.284	-260.143
429	5	1.3722	326.167	-253.282
430	5	1.38517	328.086	-246.356
431	5	1.39838	330.041	-239.364
432	5	1.41865	332.054	-232.271
433	5	1.4325	334.106	-225.108
434	5	1.44663	336.199	-217.875
435	5	1.46106	338.333	-210.57
436	5	1.47579	340.511	-203.191
437	5	1.49085	342.734	-195.737
438	5	1.50626	345.003	-188.205
439	5	1.53007	347.344	-180.555
440	5	1.54643	349.735	-172.823
441	5	1.56322	352.179	-165.007
442	5.2	1.58047	354.677	-156.788
443	6	1.59819	357.231	-147.199
444	6.1	1.61644	359.844	-137.339
445	6.8	1.63524	362.518	-126.219
446	7	1.65463	365.256	-114.637
447	7.3	1.68494	368.095	-102.337
448	7.9	1.70604	371.005	-88.859
449	7.9	1.72793	373.991	-75.2084
450	8	1.75069	377.056	-61.2029
451	9.7	1.77438	380.204	-43.9914
452	11	1.79912	383.441	-24.2011
453	11	1.82501	386.772	-4.12604
454	11.5	1.86629	390.255	17.3363
455	12	1.8957	393.848	40.0847
456	20	1.92684	397.561	78.6214
457	28.7	1.95996	401.403	134.872
458	28.7	1.99539	405.384	192.14
459	34.4	2.03352	409.519	262.093
460	42	2.07485	413.824	349.237
461	44	2.12007	418.319	442.52
462	48	2.19728	423.147	547.99
463	63	2.25713	428.242	690.189
464	78	2.32634	433.654	871.643
465	79	2.40892	439.457	1061.95
466	110	2.51213	445.767	1338.28
467	160	2.65209	452.801	1762.62
468	200	2.87815	461.085	2338.25

Data Set Standard Deviation = 14.1092
Numerator = 5.4674e+006
Denominator = 4.28651e+007
W Statistic = 0.127549 = 5.4674e+006 / 4.28651e+007

5% Critical value of 0.976 exceeds 0.127549
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.127549
Evidence of non-normality at 99% level of significance

Shapiro-Francia Test of Normality

Parameter: Benzene
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	0.42	-2.87815	8.28375	-1.20882
2	0.52	-2.65209	15.3173	-2.58791
3	0.7	-2.51213	21.6281	-4.3464
4	0.7	-2.40892	27.431	-6.03265
5	1.1	-2.32634	32.8429	-8.59162
6	1.4	-2.25713	37.9375	-11.7516
7	1.4	-2.19728	42.7656	-14.8278
8	1.4	-2.12007	47.2603	-17.7959
9	1.6	-2.07485	51.5653	-21.1157
10	1.7	-2.03352	55.7005	-24.5726
11	1.8	-1.99539	59.6821	-28.1644
12	1.8	-1.95996	63.5235	-31.6923
13	1.9	-1.92684	67.2362	-35.3533
14	2.9	-1.8957	70.8299	-40.8508
15	5	-1.86629	74.313	-50.1823
16	5	-1.82501	77.6436	-59.3073
17	5	-1.79912	80.8804	-68.3029
18	5	-1.77438	84.0288	-77.1748
19	5	-1.75069	87.0937	-85.9282
20	5	-1.72793	90.0795	-94.5678
21	5	-1.70604	92.9901	-103.098
22	5	-1.68494	95.8291	-111.523
23	5	-1.65463	98.5669	-119.796
24	5	-1.63524	101.241	-127.972
25	5	-1.61644	103.854	-136.054
26	5	-1.59819	106.408	-144.045
27	5	-1.58047	108.906	-151.948
28	5	-1.56322	111.349	-159.764
29	5	-1.54643	113.741	-167.496
30	5	-1.53007	116.082	-175.146
31	5	-1.50626	118.351	-182.677
32	5	-1.49085	120.574	-190.132
33	5	-1.47579	122.751	-197.511
34	5	-1.46106	124.886	-204.816
35	5	-1.44663	126.979	-212.049
36	5	-1.4325	129.031	-219.212
37	5	-1.41865	131.044	-226.305
38	5	-1.39838	132.999	-233.297
39	5	-1.38517	134.918	-240.223
40	5	-1.3722	136.801	-247.084
41	5	-1.35946	138.649	-253.881
42	5	-1.34694	140.463	-260.616
43	5	-1.33462	142.244	-267.289
44	5	-1.32251	143.993	-273.901
45	5	-1.31058	145.711	-280.454
46	5	-1.29303	147.383	-286.919
47	5	-1.28155	149.025	-293.327
48	5	-1.27024	150.639	-299.678
49	5	-1.25908	152.224	-305.974
50	5	-1.24809	153.782	-312.214
51	5	-1.23724	155.312	-318.4
52	5	-1.22653	156.817	-324.533
53	5	-1.21073	158.283	-330.587
54	5	-1.20036	159.724	-336.588
55	5	-1.19012	161.14	-342.539
56	5	-1.18	162.532	-348.439
57	5	-1.17	163.901	-354.289
58	5	-1.16012	165.247	-360.09
59	5	-1.15035	166.57	-365.841
60	5	-1.14069	167.872	-371.545
61	5	-1.12639	169.14	-377.177
62	5	-1.11699	170.388	-382.762
63	5	-1.10768	171.615	-388.3
64	5	-1.09847	172.822	-393.792
65	5	-1.08935	174.008	-399.239
66	5	-1.08032	175.175	-404.641
67	5	-1.07138	176.323	-409.998
68	5	-1.06252	177.452	-415.31
69	5	-1.04939	178.553	-420.557
70	5	-1.04073	179.637	-425.761
71	5	-1.03215	180.702	-430.922
72	5	-1.02365	181.75	-436.04
73	5	-1.01522	182.78	-441.116
74	5	-1.00687	183.794	-446.15
75	5	-0.998575	184.791	-451.143
76	5	-0.986272	185.764	-456.075

77	5	-0.97815	186.721	-460.965
78	5	-0.970094	187.662	-465.816
79	5	-0.9621	188.588	-470.626
80	5	-0.954165	189.498	-475.397
81	5	-0.946291	190.393	-480.129
82	5	-0.938476	191.274	-484.821
83	5	-0.930718	192.14	-489.475
84	5	-0.919183	192.985	-494.07
85	5	-0.911562	193.816	-498.628
86	5	-0.903992	194.633	-503.148
87	5	-0.896473	195.437	-507.631
88	5	-0.889006	196.227	-512.076
89	5	-0.881587	197.005	-516.484
90	5	-0.874218	197.769	-520.855
91	5	-0.863249	198.514	-525.171
92	5	-0.855996	199.247	-529.451
93	5	-0.848786	199.967	-533.695
94	5	-0.841621	200.676	-537.903
95	5	-0.834498	201.372	-542.075
96	5	-0.827417	202.057	-546.212
97	5	-0.820379	202.73	-550.314
98	5	-0.813379	203.391	-554.381
99	5	-0.802956	204.036	-558.396
100	5	-0.796056	204.67	-562.376
101	5	-0.789191	205.292	-566.322
102	5	-0.782366	205.905	-570.234
103	5	-0.775574	206.506	-574.112
104	5	-0.768821	207.097	-577.956
105	5	-0.7621	207.678	-581.767
106	5	-0.752084	208.244	-585.527
107	5	-0.745449	208.799	-589.254
108	5	-0.738846	209.345	-592.948
109	5	-0.732275	209.881	-596.61
110	5	-0.725736	210.408	-600.239
111	5	-0.719228	210.925	-603.835
112	5	-0.712751	211.433	-607.398
113	5	-0.706302	211.932	-610.93
114	5	-0.696684	212.418	-614.413
115	5	-0.690309	212.894	-617.865
116	5	-0.68396	213.362	-621.285
117	5	-0.677639	213.821	-624.673
118	5	-0.671346	214.272	-628.03
119	5	-0.665079	214.714	-631.355
120	5	-0.658838	215.148	-634.649
121	5	-0.652622	215.574	-637.912
122	5	-0.643345	215.988	-641.129
123	5	-0.637192	216.394	-644.315
124	5	-0.631062	216.792	-647.47
125	5	-0.624956	217.183	-650.595
126	5	-0.618872	217.566	-653.689
127	5	-0.612813	217.941	-656.754
128	5	-0.606775	218.31	-659.787
129	5	-0.597761	218.667	-662.776
130	5	-0.591776	219.017	-665.735
131	5	-0.585815	219.36	-668.664
132	5	-0.579873	219.697	-671.564
133	5	-0.573953	220.026	-674.433
134	5	-0.568052	220.349	-677.274
135	5	-0.56217	220.665	-680.084
136	5	-0.556308	220.974	-682.866
137	5	-0.547551	221.274	-685.604
138	5	-0.541736	221.567	-688.312
139	5	-0.53594	221.855	-690.992
140	5	-0.530162	222.136	-693.643
141	5	-0.524401	222.411	-696.265
142	5	-0.518658	222.68	-698.858
143	5	-0.51293	222.943	-701.423
144	5	-0.504372	223.197	-703.945
145	5	-0.498687	223.446	-706.438
146	5	-0.493018	223.689	-708.903
147	5	-0.487364	223.927	-711.34
148	5	-0.481728	224.159	-713.749
149	5	-0.476105	224.385	-716.129
150	5	-0.470498	224.607	-718.482
151	5	-0.464904	224.823	-720.806
152	5	-0.456542	225.031	-723.089
153	5	-0.450985	225.235	-725.344
154	5	-0.445443	225.433	-727.571
155	5	-0.439913	225.627	-729.771
156	5	-0.434397	225.815	-731.943
157	5	-0.428895	225.999	-734.087
158	5	-0.423405	226.178	-736.204
159	5	-0.415193	226.351	-738.28
160	5	-0.409735	226.519	-740.329
161	5	-0.40429	226.682	-742.35
162	5	-0.398855	226.841	-744.344

163	5	-0.393433	226.996	-746.312
164	5	-0.388022	227.147	-748.252
165	5	-0.382622	227.293	-750.165
166	5	-0.377233	227.435	-752.051
167	5	-0.369171	227.572	-753.897
168	5	-0.363809	227.704	-755.716
169	5	-0.358459	227.832	-757.508
170	5	-0.353118	227.957	-759.274
171	5	-0.347787	228.078	-761.013
172	5	-0.342466	228.195	-762.725
173	5	-0.337155	228.309	-764.411
174	5	-0.329206	228.417	-766.057
175	5	-0.323919	228.522	-767.676
176	5	-0.318639	228.624	-769.27
177	5	-0.31337	228.722	-770.837
178	5	-0.308108	228.817	-772.377
179	5	-0.302855	228.909	-773.891
180	5	-0.297612	228.997	-775.379
181	5	-0.292375	229.083	-776.841
182	5	-0.284535	229.164	-778.264
183	5	-0.279319	229.242	-779.661
184	5	-0.27411	229.317	-781.031
185	5	-0.268908	229.389	-782.376
186	5	-0.263715	229.459	-783.694
187	5	-0.258527	229.526	-784.987
188	5	-0.253347	229.59	-786.254
189	5	-0.248174	229.651	-787.494
190	5	-0.240426	229.709	-788.697
191	5	-0.235269	229.765	-789.873
192	5	-0.230118	229.818	-791.024
193	5	-0.224974	229.868	-792.148
194	5	-0.219834	229.916	-793.248
195	5	-0.214702	229.963	-794.321
196	5	-0.209575	230.006	-795.369
197	5	-0.201894	230.047	-796.378
198	5	-0.196779	230.086	-797.362
199	5	-0.191671	230.123	-798.321
200	5	-0.186567	230.158	-799.254
201	5	-0.181468	230.19	-800.161
202	5	-0.176374	230.222	-801.043
203	5	-0.171285	230.251	-801.899
204	5	-0.166199	230.279	-802.73
205	5	-0.158579	230.304	-803.523
206	5	-0.153505	230.327	-804.291
207	5	-0.148434	230.349	-805.033
208	5	-0.143367	230.37	-805.75
209	5	-0.138305	230.389	-806.441
210	5	-0.133244	230.407	-807.107
211	5	-0.128189	230.423	-807.748
212	5	-0.12061	230.438	-808.351
213	5	-0.115562	230.451	-808.929
214	5	-0.110516	230.463	-809.482
215	5	-0.105474	230.474	-810.009
216	5	-0.100433	230.484	-810.511
217	5	-0.0953969	230.494	-810.988
218	5	-0.0903606	230.502	-811.44
219	5	-0.0853288	230.509	-811.867
220	5	-0.0777834	230.515	-812.256
221	5	-0.0727562	230.52	-812.619
222	5	-0.0677301	230.525	-812.958
223	5	-0.0627062	230.529	-813.272
224	5	-0.0576847	230.532	-813.56
225	5	-0.0526632	230.535	-813.823
226	5	-0.0476439	230.537	-814.062
227	5	-0.0401167	230.539	-814.262
228	5	-0.0350997	230.54	-814.438
229	5	-0.0300838	230.541	-814.588
230	5	-0.0250691	230.542	-814.713
231	5	-0.0200544	230.542	-814.814
232	5	-0.0150408	230.542	-814.889
233	5	-0.0100272	230.542	-814.939
234	5	-0.00501359	230.542	-814.964
235	5	0.00501359	230.542	-814.939
236	5	0.0100272	230.542	-814.889
237	5	0.0150408	230.543	-814.814
238	5	0.0200544	230.543	-814.713
239	5	0.0250691	230.544	-814.588
240	5	0.0300838	230.545	-814.438
241	5	0.0350997	230.546	-814.262
242	5	0.0401167	230.547	-814.062
243	5	0.0476439	230.55	-813.823
244	5	0.0526632	230.553	-813.56
245	5	0.0576847	230.556	-813.272
246	5	0.0627062	230.56	-812.958
247	5	0.0677301	230.564	-812.619
248	5	0.0727562	230.57	-812.256

249	5	0.0777834	230.576	-811.867
250	5	0.0853288	230.583	-811.44
251	5	0.0903606	230.591	-810.988
252	5	0.0953969	230.6	-810.511
253	5	0.100433	230.61	-810.009
254	5	0.105474	230.621	-809.482
255	5	0.110516	230.634	-808.929
256	5	0.115562	230.647	-808.351
257	5	0.12061	230.662	-807.748
258	5	0.128189	230.678	-807.107
259	5	0.133244	230.696	-806.441
260	5	0.138305	230.715	-805.75
261	5	0.143367	230.735	-805.033
262	5	0.148434	230.757	-804.291
263	5	0.153505	230.781	-803.523
264	5	0.158579	230.806	-802.73
265	5	0.166199	230.834	-801.899
266	5	0.171285	230.863	-801.043
267	5	0.176374	230.894	-800.161
268	5	0.181468	230.927	-799.254
269	5	0.186567	230.962	-798.321
270	5	0.191671	230.999	-797.362
271	5	0.196779	231.037	-796.378
272	5	0.201894	231.078	-795.369
273	5	0.209575	231.122	-794.321
274	5	0.214702	231.168	-793.248
275	5	0.219834	231.217	-792.148
276	5	0.224974	231.267	-791.024
277	5	0.230118	231.32	-789.873
278	5	0.235269	231.375	-788.697
279	5	0.240426	231.433	-787.494
280	5	0.248174	231.495	-786.254
281	5	0.253347	231.559	-784.987
282	5	0.258527	231.626	-783.694
283	5	0.263715	231.695	-782.376
284	5	0.268908	231.768	-781.031
285	5	0.27411	231.843	-779.661
286	5	0.279319	231.921	-778.264
287	5	0.284535	232.002	-776.841
288	5	0.292375	232.087	-775.379
289	5	0.297612	232.176	-773.891
290	5	0.302855	232.268	-772.377
291	5	0.308108	232.363	-770.837
292	5	0.31337	232.461	-769.27
293	5	0.318639	232.562	-767.676
294	5	0.323919	232.667	-766.057
295	5	0.329206	232.776	-764.411
296	5	0.337155	232.889	-762.725
297	5	0.342466	233.007	-761.013
298	5	0.347787	233.128	-759.274
299	5	0.353118	233.252	-757.508
300	5	0.358459	233.381	-755.716
301	5	0.363809	233.513	-753.897
302	5	0.369171	233.649	-752.051
303	5	0.377233	233.792	-750.165
304	5	0.382622	233.938	-748.252
305	5	0.388022	234.089	-746.312
306	5	0.393433	234.243	-744.344
307	5	0.398855	234.403	-742.35
308	5	0.40429	234.566	-740.329
309	5	0.409735	234.734	-738.28
310	5	0.415193	234.906	-736.204
311	5	0.423405	235.086	-734.087
312	5	0.428895	235.269	-731.943
313	5	0.434397	235.458	-729.771
314	5	0.439913	235.652	-727.571
315	5	0.445443	235.85	-725.344
316	5	0.450985	236.053	-723.089
317	5	0.456542	236.262	-720.806
318	5	0.464904	236.478	-718.482
319	5	0.470498	236.699	-716.129
320	5	0.476105	236.926	-713.749
321	5	0.481728	237.158	-711.34
322	5	0.487364	237.396	-708.903
323	5	0.493018	237.639	-706.438
324	5	0.498687	237.887	-703.945
325	5	0.504372	238.142	-701.423
326	5	0.51293	238.405	-698.858
327	5	0.518658	238.674	-696.265
328	5	0.524401	238.949	-693.643
329	5	0.530162	239.23	-690.992
330	5	0.53594	239.517	-688.312
331	5	0.541736	239.811	-685.604
332	5	0.547551	240.111	-682.866
333	5	0.556308	240.42	-680.084
334	5	0.56217	240.736	-677.274

335	5	0.568052	241.059	-674.433
336	5	0.573953	241.388	-671.564
337	5	0.579873	241.724	-668.664
338	5	0.585815	242.068	-665.735
339	5	0.591776	242.418	-662.776
340	5	0.597761	242.775	-659.787
341	5	0.606775	243.143	-656.754
342	5	0.612813	243.519	-653.689
343	5	0.618872	243.902	-650.595
344	5	0.624956	244.292	-647.47
345	5	0.631062	244.691	-644.315
346	5	0.637192	245.097	-641.129
347	5	0.643345	245.511	-637.912
348	5	0.652622	245.936	-634.649
349	5	0.658838	246.371	-631.355
350	5	0.665079	246.813	-628.03
351	5	0.671346	247.264	-624.673
352	5	0.677639	247.723	-621.285
353	5	0.68396	248.191	-617.865
354	5	0.690309	248.667	-614.413
355	5	0.696684	249.152	-610.93
356	5	0.706302	249.651	-607.398
357	5	0.712751	250.159	-603.835
358	5	0.719228	250.677	-600.239
359	5	0.725736	251.203	-596.61
360	5	0.732275	251.74	-592.948
361	5	0.738846	252.285	-589.254
362	5	0.745449	252.841	-585.527
363	5	0.752084	253.407	-581.767
364	5	0.7621	253.988	-577.956
365	5	0.768821	254.579	-574.112
366	5	0.775574	255.18	-570.234
367	5	0.782366	255.792	-566.322
368	5	0.789191	256.415	-562.376
369	5	0.796056	257.049	-558.396
370	5	0.802956	257.693	-554.381
371	5	0.813379	258.355	-550.314
372	5	0.820379	259.028	-546.212
373	5	0.827417	259.713	-542.075
374	5	0.834498	260.409	-537.903
375	5	0.841621	261.117	-533.695
376	5	0.848786	261.838	-529.451
377	5	0.855996	262.571	-525.171
378	5	0.863249	263.316	-520.855
379	5	0.874218	264.08	-516.484
380	5	0.881587	264.857	-512.076
381	5	0.889006	265.648	-507.631
382	5	0.896473	266.451	-503.148
383	5	0.903992	267.268	-498.628
384	5	0.911562	268.099	-494.07
385	5	0.919183	268.944	-489.475
386	5	0.930718	269.811	-484.821
387	5	0.938476	270.691	-480.129
388	5	0.946291	271.587	-475.397
389	5	0.954165	272.497	-470.626
390	5	0.9621	273.423	-465.816
391	5	0.970094	274.364	-460.965
392	5	0.97815	275.321	-456.075
393	5	0.986272	276.293	-451.143
394	5	0.998575	277.291	-446.15
395	5	1.00687	278.304	-441.116
396	5	1.01522	279.335	-436.04
397	5	1.02365	280.383	-430.922
398	5	1.03215	281.448	-425.761
399	5	1.04073	282.531	-420.557
400	5	1.04939	283.633	-415.31
401	5	1.06252	284.761	-409.998
402	5	1.07138	285.909	-404.641
403	5	1.08032	287.076	-399.239
404	5	1.08935	288.263	-393.792
405	5	1.09847	289.47	-388.3
406	5	1.10768	290.697	-382.762
407	5	1.11699	291.944	-377.177
408	5	1.12639	293.213	-371.545
409	5	1.14069	294.514	-365.841
410	5	1.15035	295.838	-360.09
411	5	1.16012	297.183	-354.289
412	5	1.17	298.552	-348.439
413	5	1.18	299.945	-342.539
414	5	1.19012	301.361	-336.588
415	5	1.20036	302.802	-330.587
416	5	1.21073	304.268	-324.533
417	5	1.22653	305.772	-318.4
418	5	1.23724	307.303	-312.214
419	5	1.24809	308.861	-305.974
420	5	1.25908	310.446	-299.678

421	5	1.27024	312.06	-293.327
422	5	1.28155	313.702	-286.919
423	5	1.29303	315.374	-280.454
424	5	1.31058	317.091	-273.901
425	5	1.32251	318.84	-267.289
426	5	1.33462	320.622	-260.616
427	5	1.34694	322.436	-253.881
428	5	1.35946	324.284	-247.084
429	5	1.3722	326.167	-240.223
430	5	1.38517	328.086	-233.297
431	5	1.39838	330.041	-226.305
432	5	1.41865	332.054	-219.212
433	5	1.4325	334.106	-212.049
434	5	1.44663	336.199	-204.816
435	5	1.46106	338.333	-197.511
436	5	1.47579	340.511	-190.132
437	5	1.49085	342.734	-182.677
438	5	1.50626	345.003	-175.146
439	5	1.53007	347.344	-167.496
440	5	1.54643	349.735	-159.764
441	5	1.56322	352.179	-151.948
442	5	1.58047	354.677	-144.045
443	5	1.59819	357.231	-136.054
444	5	1.61644	359.844	-127.972
445	5	1.63524	362.518	-119.796
446	5	1.65463	365.256	-111.523
447	5	1.68494	368.095	-103.098
448	5	1.70604	371.005	-94.5678
449	5	1.72793	373.991	-85.9282
450	5	1.75069	377.056	-77.1748
451	5	1.77438	380.204	-68.3029
452	5	1.79912	383.441	-59.3073
453	5	1.82501	386.772	-50.1823
454	5	1.86629	390.255	-40.8508
455	5	1.8957	393.848	-31.3723
456	5	1.92684	397.561	-21.7381
457	5	1.95996	401.403	-11.9383
458	5	1.99539	405.384	-1.96135
459	5	2.03352	409.519	8.20626
460	5.2	2.07485	413.824	18.9955
461	5.4	2.12007	418.319	30.4438
462	6	2.19728	423.147	43.6275
463	6.5	2.25713	428.242	58.2989
464	6.7	2.32634	433.654	73.8854
465	7	2.40892	439.457	90.7478
466	7	2.51213	445.767	108.333
467	11	2.65209	452.801	137.506
468	14	2.87815	461.085	177.8

Data Set Standard Deviation = 0.826314
Numerator = 31612.8
Denominator = 147024
W Statistic = 0.215018 = 31612.8 / 147024

5% Critical value of 0.976 exceeds 0.215018
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.215018
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 = 468

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	0.4	-2.87815	8.28375	-1.15126
2	0.63	-2.65209	15.3173	-2.82207
3	0.69	-2.51213	21.6281	-4.55545
4	0.83	-2.40892	27.431	-6.55485
5	0.99	-2.32634	32.8429	-8.85793
6	1	-2.25713	37.9375	-11.1151
7	1.8	-2.19728	42.7656	-15.0702
8	2.8	-2.12007	47.2603	-21.0064
9	3.2	-2.07485	51.5653	-27.6459
10	3.5	-2.03352	55.7005	-34.7632
11	3.6	-1.99539	59.6821	-41.9466
12	5	-1.95996	63.5235	-51.7464
13	5	-1.92684	67.2362	-61.3806
14	5	-1.8957	70.8299	-70.8591
15	5	-1.86629	74.313	-80.1906
16	5	-1.82501	77.6436	-89.3156
17	5	-1.79912	80.8804	-98.3112
18	5	-1.77438	84.0288	-107.183
19	5	-1.75069	87.0937	-115.936
20	5	-1.72793	90.0795	-124.576
21	5	-1.70604	92.9901	-133.106
22	5	-1.68494	95.8291	-141.531
23	5	-1.65463	98.5669	-149.804
24	5	-1.63524	101.241	-157.98
25	5	-1.61644	103.854	-166.063
26	5	-1.59819	106.408	-174.054
27	5	-1.58047	108.906	-181.956
28	5	-1.56322	111.349	-189.772
29	5	-1.54643	113.741	-197.504
30	5	-1.53007	116.082	-205.154
31	5	-1.50626	118.351	-212.686
32	5	-1.49085	120.574	-220.14
33	5	-1.47579	122.751	-227.519
34	5	-1.46106	124.886	-234.824
35	5	-1.44663	126.979	-242.057
36	5	-1.4325	129.031	-249.22
37	5	-1.41865	131.044	-256.313
38	5	-1.39838	132.999	-263.305
39	5	-1.38517	134.918	-270.231
40	5	-1.3722	136.801	-277.092
41	5	-1.35946	138.649	-283.889
42	5	-1.34694	140.463	-290.624
43	5	-1.33462	142.244	-297.297
44	5	-1.32251	143.993	-303.91
45	5	-1.31058	145.711	-310.462
46	5	-1.29303	147.383	-316.928
47	5	-1.28155	149.025	-323.335
48	5	-1.27024	150.639	-329.687
49	5	-1.25908	152.224	-335.982
50	5	-1.24809	153.782	-342.222
51	5	-1.23724	155.312	-348.409
52	5	-1.22653	156.817	-354.541
53	5	-1.21073	158.283	-360.595
54	5	-1.20036	159.724	-366.597
55	5	-1.19012	161.14	-372.547
56	5	-1.18	162.532	-378.447
57	5	-1.17	163.901	-384.297
58	5	-1.16012	165.247	-390.098
59	5	-1.15035	166.57	-395.85
60	5	-1.14069	167.872	-401.553
61	5	-1.12639	169.14	-407.185
62	5	-1.11699	170.388	-412.77
63	5	-1.10768	171.615	-418.308
64	5	-1.09847	172.822	-423.801
65	5	-1.08935	174.008	-429.247
66	5	-1.08032	175.175	-434.649
67	5	-1.07138	176.323	-440.006
68	5	-1.06252	177.452	-445.319
69	5	-1.04939	178.553	-450.566
70	5	-1.04073	179.637	-455.769
71	5	-1.03215	180.702	-460.93
72	5	-1.02365	181.75	-466.048
73	5	-1.01522	182.78	-471.124
74	5	-1.00687	183.794	-476.159
75	5	-0.998575	184.791	-481.152
76	5	-0.986272	185.764	-486.083

77	5	-0.97815	186.721	-490.974
78	5	-0.970094	187.662	-495.824
79	5	-0.9621	188.588	-500.635
80	5	-0.954165	189.498	-505.405
81	5	-0.946291	190.393	-510.137
82	5	-0.938476	191.274	-514.829
83	5	-0.930718	192.14	-519.483
84	5	-0.919183	192.985	-524.079
85	5	-0.911562	193.816	-528.637
86	5	-0.903992	194.633	-533.157
87	5	-0.896473	195.437	-537.639
88	5	-0.889006	196.227	-542.084
89	5	-0.881587	197.005	-546.492
90	5	-0.874218	197.769	-550.863
91	5	-0.863249	198.514	-555.179
92	5	-0.855996	199.247	-559.459
93	5	-0.848786	199.967	-563.703
94	5	-0.841621	200.676	-567.911
95	5	-0.834498	201.372	-572.084
96	5	-0.827417	202.057	-576.221
97	5	-0.820379	202.73	-580.323
98	5	-0.813379	203.391	-584.39
99	5	-0.802956	204.036	-588.404
100	5	-0.796056	204.67	-592.385
101	5	-0.789191	205.292	-596.331
102	5	-0.782366	205.905	-600.242
103	5	-0.775574	206.506	-604.12
104	5	-0.768821	207.097	-607.964
105	5	-0.7621	207.678	-611.775
106	5	-0.752084	208.244	-615.535
107	5	-0.745449	208.799	-619.263
108	5	-0.738846	209.345	-622.957
109	5	-0.732275	209.881	-626.618
110	5	-0.725736	210.408	-630.247
111	5	-0.719228	210.925	-633.843
112	5	-0.712751	211.433	-637.407
113	5	-0.706302	211.932	-640.938
114	5	-0.696684	212.418	-644.422
115	5	-0.690309	212.894	-647.873
116	5	-0.68396	213.362	-651.293
117	5	-0.677639	213.821	-654.681
118	5	-0.671346	214.272	-658.038
119	5	-0.665079	214.714	-661.363
120	5	-0.658838	215.148	-664.658
121	5	-0.652622	215.574	-667.921
122	5	-0.643345	215.988	-671.137
123	5	-0.637192	216.394	-674.323
124	5	-0.631062	216.792	-677.479
125	5	-0.624956	217.183	-680.603
126	5	-0.618872	217.566	-683.698
127	5	-0.612813	217.941	-686.762
128	5	-0.606775	218.31	-689.796
129	5	-0.597761	218.667	-692.785
130	5	-0.591776	219.017	-695.743
131	5	-0.585815	219.36	-698.672
132	5	-0.579873	219.697	-701.572
133	5	-0.573953	220.026	-704.442
134	5	-0.568052	220.349	-707.282
135	5	-0.56217	220.665	-710.093
136	5	-0.556308	220.974	-712.874
137	5	-0.547551	221.274	-715.612
138	5	-0.541736	221.567	-718.321
139	5	-0.53594	221.855	-721
140	5	-0.530162	222.136	-723.651
141	5	-0.524401	222.411	-726.273
142	5	-0.518658	222.68	-728.866
143	5	-0.51293	222.943	-731.431
144	5	-0.504372	223.197	-733.953
145	5	-0.498687	223.446	-736.446
146	5	-0.493018	223.689	-738.912
147	5	-0.487364	223.927	-741.348
148	5	-0.481728	224.159	-743.757
149	5	-0.476105	224.385	-746.138
150	5	-0.470498	224.607	-748.49
151	5	-0.464904	224.823	-750.815
152	5	-0.456542	225.031	-753.097
153	5	-0.450985	225.235	-755.352
154	5	-0.445443	225.433	-757.579
155	5	-0.439913	225.627	-759.779
156	5	-0.434397	225.815	-761.951
157	5	-0.428895	225.999	-764.095
158	5	-0.423405	226.178	-766.212
159	5	-0.415193	226.351	-768.288
160	5	-0.409735	226.519	-770.337
161	5	-0.40429	226.682	-772.359
162	5	-0.398855	226.841	-774.353

163	5	-0.393433	226.996	-776.32
164	5	-0.388022	227.147	-778.26
165	5	-0.382622	227.293	-780.173
166	5	-0.377233	227.435	-782.059
167	5	-0.369171	227.572	-783.905
168	5	-0.363809	227.704	-785.724
169	5	-0.358459	227.832	-787.517
170	5	-0.353118	227.957	-789.282
171	5	-0.347787	228.078	-791.021
172	5	-0.342466	228.195	-792.733
173	5	-0.337155	228.309	-794.419
174	5	-0.329206	228.417	-796.065
175	5	-0.323919	228.522	-797.685
176	5	-0.318639	228.624	-799.278
177	5	-0.31337	228.722	-800.845
178	5	-0.308108	228.817	-802.385
179	5	-0.302855	228.909	-803.9
180	5	-0.297612	228.997	-805.388
181	5	-0.292375	229.083	-806.85
182	5	-0.284535	229.164	-808.272
183	5	-0.279319	229.242	-809.669
184	5	-0.27411	229.317	-811.039
185	5	-0.268908	229.389	-812.384
186	5	-0.263715	229.459	-813.703
187	5	-0.258527	229.526	-814.995
188	5	-0.253347	229.59	-816.262
189	5	-0.248174	229.651	-817.503
190	5	-0.240426	229.709	-818.705
191	5	-0.235269	229.765	-819.881
192	5	-0.230118	229.818	-821.032
193	5	-0.224974	229.868	-822.157
194	5	-0.219834	229.916	-823.256
195	5	-0.214702	229.963	-824.329
196	5	-0.209575	230.006	-825.377
197	5	-0.201894	230.047	-826.387
198	5	-0.196779	230.086	-827.371
199	5	-0.191671	230.123	-828.329
200	5	-0.186567	230.158	-829.262
201	5	-0.181468	230.19	-830.169
202	5	-0.176374	230.222	-831.051
203	5	-0.171285	230.251	-831.907
204	5	-0.166199	230.279	-832.738
205	5	-0.158579	230.304	-833.531
206	5	-0.153505	230.327	-834.299
207	5	-0.148434	230.349	-835.041
208	5	-0.143367	230.37	-835.758
209	5	-0.138305	230.389	-836.449
210	5	-0.133244	230.407	-837.116
211	5	-0.128189	230.423	-837.757
212	5	-0.12061	230.438	-838.36
213	5	-0.115562	230.451	-838.937
214	5	-0.110516	230.463	-839.49
215	5	-0.105474	230.474	-840.017
216	5	-0.100433	230.484	-840.52
217	5	-0.0953969	230.494	-840.997
218	5	-0.0903606	230.502	-841.448
219	5	-0.0853288	230.509	-841.875
220	5	-0.0777834	230.515	-842.264
221	5	-0.0727562	230.52	-842.628
222	5	-0.0677301	230.525	-842.966
223	5	-0.0627062	230.529	-843.28
224	5	-0.0576847	230.532	-843.568
225	5	-0.0526632	230.535	-843.832
226	5	-0.0476439	230.537	-844.07
227	5	-0.0401167	230.539	-844.27
228	5	-0.0350997	230.54	-844.446
229	5	-0.0300838	230.541	-844.596
230	5	-0.0250691	230.542	-844.722
231	5	-0.0200544	230.542	-844.822
232	5	-0.0150408	230.542	-844.897
233	5	-0.0100272	230.542	-844.947
234	5	-0.00501359	230.542	-844.972
235	5	0.00501359	230.542	-844.947
236	5	0.0100272	230.542	-844.897
237	5	0.0150408	230.543	-844.822
238	5	0.0200544	230.543	-844.722
239	5	0.0250691	230.544	-844.596
240	5	0.0300838	230.545	-844.446
241	5	0.0350997	230.546	-844.27
242	5	0.0401167	230.547	-844.07
243	5	0.0476439	230.55	-843.832
244	5	0.0526632	230.553	-843.568
245	5	0.0576847	230.556	-843.28
246	5	0.0627062	230.56	-842.966
247	5	0.0677301	230.564	-842.628
248	5	0.0727562	230.57	-842.264

249	5	0.0777834	230.576	-841.875
250	5	0.0853288	230.583	-841.448
251	5	0.0903606	230.591	-840.997
252	5	0.0953969	230.6	-840.52
253	5	0.100433	230.61	-840.017
254	5	0.105474	230.621	-839.49
255	5	0.110516	230.634	-838.937
256	5	0.115562	230.647	-838.36
257	5	0.12061	230.662	-837.757
258	5	0.128189	230.678	-837.116
259	5	0.133244	230.696	-836.449
260	5	0.138305	230.715	-835.758
261	5	0.143367	230.735	-835.041
262	5	0.148434	230.757	-834.299
263	5	0.153505	230.781	-833.531
264	5	0.158579	230.806	-832.738
265	5	0.166199	230.834	-831.907
266	5	0.171285	230.863	-831.051
267	5	0.176374	230.894	-830.169
268	5	0.181468	230.927	-829.262
269	5	0.186567	230.962	-828.329
270	5	0.191671	230.999	-827.371
271	5	0.196779	231.037	-826.387
272	5	0.201894	231.078	-825.377
273	5	0.209575	231.122	-824.329
274	5	0.214702	231.168	-823.256
275	5	0.219834	231.217	-822.157
276	5	0.224974	231.267	-821.032
277	5	0.230118	231.32	-819.881
278	5	0.235269	231.375	-818.705
279	5	0.240426	231.433	-817.503
280	5	0.248174	231.495	-816.262
281	5	0.253347	231.559	-814.995
282	5	0.258527	231.626	-813.703
283	5	0.263715	231.695	-812.384
284	5	0.268908	231.768	-811.039
285	5	0.27411	231.843	-809.669
286	5	0.279319	231.921	-808.272
287	5	0.284535	232.002	-806.85
288	5	0.292375	232.087	-805.388
289	5	0.297612	232.176	-803.9
290	5	0.302855	232.268	-802.385
291	5	0.308108	232.363	-800.845
292	5	0.31337	232.461	-799.278
293	5	0.318639	232.562	-797.685
294	5	0.323919	232.667	-796.065
295	5	0.329206	232.776	-794.419
296	5	0.337155	232.889	-792.733
297	5	0.342466	233.007	-791.021
298	5	0.347787	233.128	-789.282
299	5	0.353118	233.252	-787.517
300	5	0.358459	233.381	-785.724
301	5	0.363809	233.513	-783.905
302	5	0.369171	233.649	-782.059
303	5	0.377233	233.792	-780.173
304	5	0.382622	233.938	-778.26
305	5	0.388022	234.089	-776.32
306	5	0.393433	234.243	-774.353
307	5	0.398855	234.403	-772.359
308	5	0.40429	234.566	-770.337
309	5	0.409735	234.734	-768.288
310	5	0.415193	234.906	-766.212
311	5	0.423405	235.086	-764.095
312	5	0.428895	235.269	-761.951
313	5	0.434397	235.458	-759.779
314	5	0.439913	235.652	-757.579
315	5	0.445443	235.85	-755.352
316	5	0.450985	236.053	-753.097
317	5	0.456542	236.262	-750.815
318	5	0.464904	236.478	-748.49
319	5	0.470498	236.699	-746.138
320	5	0.476105	236.926	-743.757
321	5	0.481728	237.158	-741.348
322	5	0.487364	237.396	-738.912
323	5	0.493018	237.639	-736.446
324	5	0.498687	237.887	-733.953
325	5	0.504372	238.142	-731.431
326	5	0.51293	238.405	-728.866
327	5	0.518658	238.674	-726.273
328	5	0.524401	238.949	-723.651
329	5	0.530162	239.23	-721
330	5	0.53594	239.517	-718.321
331	5	0.541736	239.811	-715.612
332	5	0.547551	240.111	-712.874
333	5	0.556308	240.42	-710.093
334	5	0.56217	240.736	-707.282

335	5	0.568052	241.059	-704.442
336	5	0.573953	241.388	-701.572
337	5	0.579873	241.724	-698.672
338	5	0.585815	242.068	-695.743
339	5	0.591776	242.418	-692.785
340	5	0.597761	242.775	-689.796
341	5	0.606775	243.143	-686.762
342	5	0.612813	243.519	-683.698
343	5	0.618872	243.902	-680.603
344	5	0.624956	244.292	-677.479
345	5	0.631062	244.691	-674.323
346	5	0.637192	245.097	-671.137
347	5	0.643345	245.511	-667.921
348	5	0.652622	245.936	-664.658
349	5	0.658838	246.371	-661.363
350	5	0.665079	246.813	-658.038
351	5	0.671346	247.264	-654.681
352	5	0.677639	247.723	-651.293
353	5	0.68396	248.191	-647.873
354	5	0.690309	248.667	-644.422
355	5	0.696684	249.152	-640.938
356	5	0.706302	249.651	-637.407
357	5	0.712751	250.159	-633.843
358	5	0.719228	250.677	-630.247
359	5	0.725736	251.203	-626.618
360	5	0.732275	251.74	-622.957
361	5	0.738846	252.285	-619.263
362	5	0.745449	252.841	-615.535
363	5	0.752084	253.407	-611.775
364	5	0.7621	253.988	-607.964
365	5	0.768821	254.579	-604.12
366	5	0.775574	255.18	-600.242
367	5	0.782366	255.792	-596.331
368	5	0.789191	256.415	-592.385
369	5	0.796056	257.049	-588.404
370	5	0.802956	257.693	-584.39
371	5	0.813379	258.355	-580.323
372	5	0.820379	259.028	-576.221
373	5	0.827417	259.713	-572.084
374	5	0.834498	260.409	-567.911
375	5	0.841621	261.117	-563.703
376	5	0.848786	261.838	-559.459
377	5	0.855996	262.571	-555.179
378	5	0.863249	263.316	-550.863
379	5	0.874218	264.08	-546.492
380	5	0.881587	264.857	-542.084
381	5	0.889006	265.648	-537.639
382	5	0.896473	266.451	-533.157
383	5	0.903992	267.268	-528.637
384	5	0.911562	268.099	-524.079
385	5	0.919183	268.944	-519.483
386	5	0.930718	269.811	-514.829
387	5	0.938476	270.691	-510.137
388	5	0.946291	271.587	-505.405
389	5	0.954165	272.497	-500.635
390	5	0.9621	273.423	-495.824
391	5	0.970094	274.364	-490.974
392	5	0.97815	275.321	-486.083
393	5	0.986272	276.293	-481.152
394	5	0.998575	277.291	-476.159
395	5	1.00687	278.304	-471.124
396	5	1.01522	279.335	-466.048
397	5	1.02365	280.383	-460.93
398	5	1.03215	281.448	-455.769
399	5	1.04073	282.531	-450.566
400	5	1.04939	283.633	-445.319
401	5	1.06252	284.761	-440.006
402	5	1.07138	285.909	-434.649
403	5	1.08032	287.076	-429.247
404	5	1.08935	288.263	-423.801
405	5	1.09847	289.47	-418.308
406	5	1.10768	290.697	-412.77
407	5	1.11699	291.944	-407.185
408	5	1.12639	293.213	-401.553
409	5	1.14069	294.514	-395.85
410	5	1.15035	295.838	-390.098
411	5	1.16012	297.183	-384.297
412	5	1.17	298.552	-378.447
413	5	1.18	299.945	-372.547
414	5	1.19012	301.361	-366.597
415	5	1.20036	302.802	-360.595
416	5	1.21073	304.268	-354.541
417	5	1.22653	305.772	-348.409
418	5	1.23724	307.303	-342.222
419	5	1.24809	308.861	-335.982
420	5	1.25908	310.446	-329.687

421	5	1.27024	312.06	-323.335
422	5	1.28155	313.702	-316.928
423	5	1.29303	315.374	-310.462
424	5	1.31058	317.091	-303.91
425	5	1.32251	318.84	-297.297
426	5	1.33462	320.622	-290.624
427	5	1.34694	322.436	-283.889
428	5	1.35946	324.284	-277.092
429	5	1.3722	326.167	-270.231
430	5	1.38517	328.086	-263.305
431	5	1.39838	330.041	-256.313
432	5	1.41865	332.054	-249.22
433	5	1.4325	334.106	-242.057
434	5	1.44663	336.199	-234.824
435	5	1.46106	338.333	-227.519
436	5	1.47579	340.511	-220.14
437	5	1.49085	342.734	-212.686
438	5	1.50626	345.003	-205.154
439	5	1.53007	347.344	-197.504
440	5	1.54643	349.735	-189.772
441	5	1.56322	352.179	-181.956
442	5	1.58047	354.677	-174.054
443	5	1.59819	357.231	-166.063
444	5	1.61644	359.844	-157.98
445	5	1.63524	362.518	-149.804
446	5	1.65463	365.256	-141.531
447	5.1	1.68494	368.095	-132.938
448	5.2	1.70604	371.005	-124.066
449	5.2	1.72793	373.991	-115.081
450	5.2	1.75069	377.056	-105.978
451	6.7	1.77438	380.204	-94.0893
452	7	1.79912	383.441	-81.4955
453	8.7	1.82501	386.772	-65.6179
454	9	1.86629	390.255	-48.8213
455	9.6	1.8957	393.848	-30.6226
456	12	1.92684	397.561	-7.50057
457	12	1.95996	401.403	16.019
458	12	1.99539	405.384	39.9637
459	15	2.03352	409.519	70.4665
460	20	2.07485	413.824	111.963
461	52	2.12007	418.319	222.207
462	66	2.19728	423.147	367.228
463	77	2.25713	428.242	541.027
464	87	2.32634	433.654	743.419
465	95.4	2.40892	439.457	973.23
466	150	2.51213	445.767	1350.05
467	160	2.65209	452.801	1774.38
468	190	2.87815	461.085	2321.23

Data Set Standard Deviation = 14.9481
Numerator = 5.38812e+006
Denominator = 4.81136e+007
W Statistic = 0.111987 = 5.38812e+006 / 4.81136e+007

5% Critical value of 0.976 exceeds 0.111987
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.111987
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 = 468

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	0.48	-2.87815	8.28375	-1.38151
2	0.9	-2.65209	15.3173	-3.76839
3	0.91	-2.51213	21.6281	-6.05443
4	1.9	-2.40892	27.431	-10.6314
5	3	-2.32634	32.8429	-17.6104
6	3.1	-2.25713	37.9375	-24.6075
7	3.6	-2.19728	42.7656	-32.5177
8	4.7	-2.12007	47.2603	-42.4821
9	5	-2.07485	51.5653	-52.8563
10	5	-2.03352	55.7005	-63.0239
11	5	-1.99539	59.6821	-73.0009
12	5	-1.95996	63.5235	-82.8007
13	5	-1.92684	67.2362	-92.4349
14	5	-1.8957	70.8299	-101.913
15	5	-1.86629	74.313	-111.245
16	5	-1.82501	77.6436	-120.37
17	5	-1.79912	80.8804	-129.365
18	5	-1.77438	84.0288	-138.237
19	5	-1.75069	87.0937	-146.991
20	5	-1.72793	90.0795	-155.63
21	5	-1.70604	92.9901	-164.161
22	5	-1.68494	95.8291	-172.585
23	5	-1.65463	98.5669	-180.858
24	5	-1.63524	101.241	-189.035
25	5	-1.61644	103.854	-197.117
26	5	-1.59819	106.408	-205.108
27	5	-1.58047	108.906	-213.01
28	5	-1.56322	111.349	-220.826
29	5	-1.54643	113.741	-228.558
30	5	-1.53007	116.082	-236.209
31	5	-1.50626	118.351	-243.74
32	5	-1.49085	120.574	-251.194
33	5	-1.47579	122.751	-258.573
34	5	-1.46106	124.886	-265.878
35	5	-1.44663	126.979	-273.112
36	5	-1.4325	129.031	-280.274
37	5	-1.41865	131.044	-287.367
38	5	-1.39838	132.999	-294.359
39	5	-1.38517	134.918	-301.285
40	5	-1.3722	136.801	-308.146
41	5	-1.35946	138.649	-314.944
42	5	-1.34694	140.463	-321.678
43	5	-1.33462	142.244	-328.351
44	5	-1.32251	143.993	-334.964
45	5	-1.31058	145.711	-341.517
46	5	-1.29303	147.383	-347.982
47	5	-1.28155	149.025	-354.39
48	5	-1.27024	150.639	-360.741
49	5	-1.25908	152.224	-367.036
50	5	-1.24809	153.782	-373.277
51	5	-1.23724	155.312	-379.463
52	5	-1.22653	156.817	-385.596
53	5	-1.21073	158.283	-391.649
54	5	-1.20036	159.724	-397.651
55	5	-1.19012	161.14	-403.602
56	5	-1.18	162.532	-409.502
57	5	-1.17	163.901	-415.352
58	5	-1.16012	165.247	-421.152
59	5	-1.15035	166.57	-426.904
60	5	-1.14069	167.872	-432.607
61	5	-1.12639	169.14	-438.239
62	5	-1.11699	170.388	-443.824
63	5	-1.10768	171.615	-449.363
64	5	-1.09847	172.822	-454.855
65	5	-1.08935	174.008	-460.302
66	5	-1.08032	175.175	-465.703
67	5	-1.07138	176.323	-471.06
68	5	-1.06252	177.452	-476.373
69	5	-1.04939	178.553	-481.62
70	5	-1.04073	179.637	-486.823
71	5	-1.03215	180.702	-491.984
72	5	-1.02365	181.75	-497.102
73	5	-1.01522	182.78	-502.179
74	5	-1.00687	183.794	-507.213
75	5	-0.998575	184.791	-512.206
76	5	-0.986272	185.764	-517.137

77	5	-0.97815	186.721	-522.028
78	5	-0.970094	187.662	-526.878
79	5	-0.9621	188.588	-531.689
80	5	-0.954165	189.498	-536.46
81	5	-0.946291	190.393	-541.191
82	5	-0.938476	191.274	-545.884
83	5	-0.930718	192.14	-550.537
84	5	-0.919183	192.985	-555.133
85	5	-0.911562	193.816	-559.691
86	5	-0.903992	194.633	-564.211
87	5	-0.896473	195.437	-568.693
88	5	-0.889006	196.227	-573.138
89	5	-0.881587	197.005	-577.546
90	5	-0.874218	197.769	-581.917
91	5	-0.863249	198.514	-586.233
92	5	-0.855996	199.247	-590.513
93	5	-0.848786	199.967	-594.757
94	5	-0.841621	200.676	-598.965
95	5	-0.834498	201.372	-603.138
96	5	-0.827417	202.057	-607.275
97	5	-0.820379	202.73	-611.377
98	5	-0.813379	203.391	-615.444
99	5	-0.802956	204.036	-619.459
100	5	-0.796056	204.67	-623.439
101	5	-0.789191	205.292	-627.385
102	5	-0.782366	205.905	-631.297
103	5	-0.775574	206.506	-635.175
104	5	-0.768821	207.097	-639.019
105	5	-0.7621	207.678	-642.829
106	5	-0.752084	208.244	-646.59
107	5	-0.745449	208.799	-650.317
108	5	-0.738846	209.345	-654.011
109	5	-0.732275	209.881	-657.672
110	5	-0.725736	210.408	-661.301
111	5	-0.719228	210.925	-664.897
112	5	-0.712751	211.433	-668.461
113	5	-0.706302	211.932	-671.993
114	5	-0.696684	212.418	-675.476
115	5	-0.690309	212.894	-678.927
116	5	-0.68396	213.362	-682.347
117	5	-0.677639	213.821	-685.735
118	5	-0.671346	214.272	-689.092
119	5	-0.665079	214.714	-692.418
120	5	-0.658838	215.148	-695.712
121	5	-0.652622	215.574	-698.975
122	5	-0.643345	215.988	-702.192
123	5	-0.637192	216.394	-705.378
124	5	-0.631062	216.792	-708.533
125	5	-0.624956	217.183	-711.658
126	5	-0.618872	217.566	-714.752
127	5	-0.612813	217.941	-717.816
128	5	-0.606775	218.31	-720.85
129	5	-0.597761	218.667	-723.839
130	5	-0.591776	219.017	-726.798
131	5	-0.585815	219.36	-729.727
132	5	-0.579873	219.697	-732.626
133	5	-0.573953	220.026	-735.496
134	5	-0.568052	220.349	-738.336
135	5	-0.56217	220.665	-741.147
136	5	-0.556308	220.974	-743.929
137	5	-0.547551	221.274	-746.666
138	5	-0.541736	221.567	-749.375
139	5	-0.53594	221.855	-752.055
140	5	-0.530162	222.136	-754.705
141	5	-0.524401	222.411	-757.327
142	5	-0.518658	222.68	-759.921
143	5	-0.51293	222.943	-762.485
144	5	-0.504372	223.197	-765.007
145	5	-0.498687	223.446	-767.501
146	5	-0.493018	223.689	-769.966
147	5	-0.487364	223.927	-772.403
148	5	-0.481728	224.159	-774.811
149	5	-0.476105	224.385	-777.192
150	5	-0.470498	224.607	-779.544
151	5	-0.464904	224.823	-781.869
152	5	-0.456542	225.031	-784.151
153	5	-0.450985	225.235	-786.406
154	5	-0.445443	225.433	-788.634
155	5	-0.439913	225.627	-790.833
156	5	-0.434397	225.815	-793.005
157	5	-0.428895	225.999	-795.15
158	5	-0.423405	226.178	-797.267
159	5	-0.415193	226.351	-799.343
160	5	-0.409735	226.519	-801.391
161	5	-0.40429	226.682	-803.413
162	5	-0.398855	226.841	-805.407

163	5	-0.393433	226.996	-807.374
164	5	-0.388022	227.147	-809.314
165	5	-0.382622	227.293	-811.227
166	5	-0.377233	227.435	-813.114
167	5	-0.369171	227.572	-814.959
168	5	-0.363809	227.704	-816.779
169	5	-0.358459	227.832	-818.571
170	5	-0.353118	227.957	-820.336
171	5	-0.347787	228.078	-822.075
172	5	-0.342466	228.195	-823.788
173	5	-0.337155	228.309	-825.473
174	5	-0.329206	228.417	-827.119
175	5	-0.323919	228.522	-828.739
176	5	-0.318639	228.624	-830.332
177	5	-0.31337	228.722	-831.899
178	5	-0.308108	228.817	-833.44
179	5	-0.302855	228.909	-834.954
180	5	-0.297612	228.997	-836.442
181	5	-0.292375	229.083	-837.904
182	5	-0.284535	229.164	-839.327
183	5	-0.279319	229.242	-840.723
184	5	-0.27411	229.317	-842.094
185	5	-0.268908	229.389	-843.438
186	5	-0.263715	229.459	-844.757
187	5	-0.258527	229.526	-846.049
188	5	-0.253347	229.59	-847.316
189	5	-0.248174	229.651	-848.557
190	5	-0.240426	229.709	-849.759
191	5	-0.235269	229.765	-850.936
192	5	-0.230118	229.818	-852.086
193	5	-0.224974	229.868	-853.211
194	5	-0.219834	229.916	-854.31
195	5	-0.214702	229.963	-855.384
196	5	-0.209575	230.006	-856.432
197	5	-0.201894	230.047	-857.441
198	5	-0.196779	230.086	-858.425
199	5	-0.191671	230.123	-859.383
200	5	-0.186567	230.158	-860.316
201	5	-0.181468	230.19	-861.223
202	5	-0.176374	230.222	-862.105
203	5	-0.171285	230.251	-862.962
204	5	-0.166199	230.279	-863.793
205	5	-0.158579	230.304	-864.586
206	5	-0.153505	230.327	-865.353
207	5	-0.148434	230.349	-866.095
208	5	-0.143367	230.37	-866.812
209	5	-0.138305	230.389	-867.504
210	5	-0.133244	230.407	-868.17
211	5	-0.128189	230.423	-868.811
212	5	-0.12061	230.438	-869.414
213	5	-0.115562	230.451	-869.992
214	5	-0.110516	230.463	-870.544
215	5	-0.105474	230.474	-871.072
216	5	-0.100433	230.484	-871.574
217	5	-0.0953969	230.494	-872.051
218	5	-0.0903606	230.502	-872.503
219	5	-0.0853288	230.509	-872.929
220	5	-0.0777834	230.515	-873.318
221	5	-0.0727562	230.52	-873.682
222	5	-0.0677301	230.525	-874.021
223	5	-0.0627062	230.529	-874.334
224	5	-0.0576847	230.532	-874.623
225	5	-0.0526632	230.535	-874.886
226	5	-0.0476439	230.537	-875.124
227	5	-0.0401167	230.539	-875.325
228	5	-0.0350997	230.54	-875.5
229	5	-0.0300838	230.541	-875.651
230	5	-0.0250691	230.542	-875.776
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232	5	-0.0150408	230.542	-875.951
233	5	-0.0100272	230.542	-876.002
234	5	-0.00501359	230.542	-876.027
235	5	0.00501359	230.542	-876.002
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238	5	0.0200544	230.543	-875.776
239	5	0.0250691	230.544	-875.651
240	5	0.0300838	230.545	-875.5
241	5	0.0350997	230.546	-875.325
242	5	0.0401167	230.547	-875.124
243	5	0.0476439	230.55	-874.886
244	5	0.0526632	230.553	-874.623
245	5	0.0576847	230.556	-874.334
246	5	0.0627062	230.56	-874.021
247	5	0.0677301	230.564	-873.682
248	5	0.0727562	230.57	-873.318

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250	5	0.0853288	230.583	-872.503
251	5	0.0903606	230.591	-872.051
252	5	0.0953969	230.6	-871.574
253	5	0.100433	230.61	-871.072
254	5	0.105474	230.621	-870.544
255	5	0.110516	230.634	-869.992
256	5	0.115562	230.647	-869.414
257	5	0.12061	230.662	-868.811
258	5	0.128189	230.678	-868.17
259	5	0.133244	230.696	-867.504
260	5	0.138305	230.715	-866.812
261	5	0.143367	230.735	-866.095
262	5	0.148434	230.757	-865.353
263	5	0.153505	230.781	-864.586
264	5	0.158579	230.806	-863.793
265	5	0.166199	230.834	-862.962
266	5	0.171285	230.863	-862.105
267	5	0.176374	230.894	-861.223
268	5	0.181468	230.927	-860.316
269	5	0.186567	230.962	-859.383
270	5	0.191671	230.999	-858.425
271	5	0.196779	231.037	-857.441
272	5	0.201894	231.078	-856.432
273	5	0.209575	231.122	-855.384
274	5	0.214702	231.168	-854.31
275	5	0.219834	231.217	-853.211
276	5	0.224974	231.267	-852.086
277	5	0.230118	231.32	-850.936
278	5	0.235269	231.375	-849.759
279	5	0.240426	231.433	-848.557
280	5	0.248174	231.495	-847.316
281	5	0.253347	231.559	-846.049
282	5	0.258527	231.626	-844.757
283	5	0.263715	231.695	-843.438
284	5	0.268908	231.768	-842.094
285	5	0.27411	231.843	-840.723
286	5	0.279319	231.921	-839.327
287	5	0.284535	232.002	-837.904
288	5	0.292375	232.087	-836.442
289	5	0.297612	232.176	-834.954
290	5	0.302855	232.268	-833.44
291	5	0.308108	232.363	-831.899
292	5	0.31337	232.461	-830.332
293	5	0.318639	232.562	-828.739
294	5	0.323919	232.667	-827.119
295	5	0.329206	232.776	-825.473
296	5	0.337155	232.889	-823.788
297	5	0.342466	233.007	-822.075
298	5	0.347787	233.128	-820.336
299	5	0.353118	233.252	-818.571
300	5	0.358459	233.381	-816.779
301	5	0.363809	233.513	-814.959
302	5	0.369171	233.649	-813.114
303	5	0.377233	233.792	-811.227
304	5	0.382622	233.938	-809.314
305	5	0.388022	234.089	-807.374
306	5	0.393433	234.243	-805.407
307	5	0.398855	234.403	-803.413
308	5	0.40429	234.566	-801.391
309	5	0.409735	234.734	-799.343
310	5	0.415193	234.906	-797.267
311	5	0.423405	235.086	-795.15
312	5	0.428895	235.269	-793.005
313	5	0.434397	235.458	-790.833
314	5	0.439913	235.652	-788.634
315	5	0.445443	235.85	-786.406
316	5	0.450985	236.053	-784.151
317	5	0.456542	236.262	-781.869
318	5	0.464904	236.478	-779.544
319	5	0.470498	236.699	-777.192
320	5	0.476105	236.926	-774.811
321	5	0.481728	237.158	-772.403
322	5	0.487364	237.396	-769.966
323	5	0.493018	237.639	-767.501
324	5	0.498687	237.887	-765.007
325	5	0.504372	238.142	-762.485
326	5	0.51293	238.405	-759.921
327	5	0.518658	238.674	-757.327
328	5	0.524401	238.949	-754.705
329	5	0.530162	239.23	-752.055
330	5	0.53594	239.517	-749.375
331	5	0.541736	239.811	-746.666
332	5	0.547551	240.111	-743.929
333	5	0.556308	240.42	-741.147
334	5	0.56217	240.736	-738.336

335	5	0.568052	241.059	-735.496
336	5	0.573953	241.388	-732.626
337	5	0.579873	241.724	-729.727
338	5	0.585815	242.068	-726.798
339	5	0.591776	242.418	-723.839
340	5	0.597761	242.775	-720.85
341	5	0.606775	243.143	-717.816
342	5	0.612813	243.519	-714.752
343	5	0.618872	243.902	-711.658
344	5	0.624956	244.292	-708.533
345	5	0.631062	244.691	-705.378
346	5	0.637192	245.097	-702.192
347	5	0.643345	245.511	-698.975
348	5	0.652622	245.936	-695.712
349	5	0.658838	246.371	-692.418
350	5	0.665079	246.813	-689.092
351	5	0.671346	247.264	-685.735
352	5	0.677639	247.723	-682.347
353	5	0.68396	248.191	-678.927
354	5	0.690309	248.667	-675.476
355	5	0.696684	249.152	-671.993
356	5	0.706302	249.651	-668.461
357	5	0.712751	250.159	-664.897
358	5	0.719228	250.677	-661.301
359	5	0.725736	251.203	-657.672
360	5	0.732275	251.74	-654.011
361	5	0.738846	252.285	-650.317
362	5	0.745449	252.841	-646.59
363	5	0.752084	253.407	-642.829
364	5	0.7621	253.988	-639.019
365	5	0.768821	254.579	-635.175
366	5	0.775574	255.18	-631.297
367	5	0.782366	255.792	-627.385
368	5	0.789191	256.415	-623.439
369	5	0.796056	257.049	-619.459
370	5	0.802956	257.693	-615.444
371	5	0.813379	258.355	-611.377
372	5	0.820379	259.028	-607.275
373	5	0.827417	259.713	-603.138
374	5	0.834498	260.409	-598.965
375	5	0.841621	261.117	-594.757
376	5	0.848786	261.838	-590.513
377	5	0.855996	262.571	-586.233
378	5	0.863249	263.316	-581.917
379	5	0.874218	264.08	-577.546
380	5	0.881587	264.857	-573.138
381	5	0.889006	265.648	-568.693
382	5	0.896473	266.451	-564.211
383	5	0.903992	267.268	-559.691
384	5	0.911562	268.099	-555.133
385	5	0.919183	268.944	-550.537
386	5	0.930718	269.811	-545.884
387	5	0.938476	270.691	-541.191
388	5	0.946291	271.587	-536.46
389	5	0.954165	272.497	-531.689
390	5	0.9621	273.423	-526.878
391	5	0.970094	274.364	-522.028
392	5	0.97815	275.321	-517.137
393	5	0.986272	276.293	-512.206
394	5	0.998575	277.291	-507.213
395	5	1.00687	278.304	-502.179
396	5	1.01522	279.335	-497.102
397	5	1.02365	280.383	-491.984
398	5	1.03215	281.448	-486.823
399	5	1.04073	282.531	-481.62
400	5	1.04939	283.633	-476.373
401	5	1.06252	284.761	-471.06
402	5	1.07138	285.909	-465.703
403	5	1.08032	287.076	-460.302
404	5	1.08935	288.263	-454.855
405	5	1.09847	289.47	-449.363
406	5	1.10768	290.697	-443.824
407	5	1.11699	291.944	-438.239
408	5	1.12639	293.213	-432.607
409	5	1.14069	294.514	-426.904
410	5	1.15035	295.838	-421.152
411	5	1.16012	297.183	-415.352
412	5	1.17	298.552	-409.502
413	5	1.18	299.945	-403.602
414	5	1.19012	301.361	-397.651
415	5	1.20036	302.802	-391.649
416	5	1.21073	304.268	-385.596
417	5	1.22653	305.772	-379.463
418	5	1.23724	307.303	-373.277
419	5	1.24809	308.861	-367.036
420	5	1.25908	310.446	-360.741

421	5	1.27024	312.06	-354.39
422	5	1.28155	313.702	-347.982
423	5	1.29303	315.374	-341.517
424	5	1.31058	317.091	-334.964
425	5	1.32251	318.84	-328.351
426	5	1.33462	320.622	-321.678
427	5	1.34694	322.436	-314.944
428	5	1.35946	324.284	-308.146
429	5	1.3722	326.167	-301.285
430	5	1.38517	328.086	-294.359
431	5	1.39838	330.041	-287.367
432	5	1.41865	332.054	-280.274
433	5	1.4325	334.106	-273.112
434	5	1.44663	336.199	-265.878
435	5	1.46106	338.333	-258.573
436	5	1.47579	340.511	-251.194
437	5	1.49085	342.734	-243.74
438	5	1.50626	345.003	-236.209
439	5	1.53007	347.344	-228.558
440	5	1.54643	349.735	-220.826
441	5	1.56322	352.179	-213.01
442	5	1.58047	354.677	-205.108
443	5	1.59819	357.231	-197.117
444	5	1.61644	359.844	-189.035
445	5	1.63524	362.518	-180.858
446	5	1.65463	365.256	-172.585
447	5	1.68494	368.095	-164.161
448	5	1.70604	371.005	-155.63
449	5	1.72793	373.991	-146.991
450	5	1.75069	377.056	-138.237
451	5	1.77438	380.204	-129.365
452	5	1.79912	383.441	-120.37
453	5	1.82501	386.772	-111.245
454	5	1.86629	390.255	-101.913
455	5	1.8957	393.848	-92.4349
456	5	1.92684	397.561	-82.8007
457	5.5	1.95996	401.403	-72.0209
458	5.5	1.99539	405.384	-61.0462
459	10	2.03352	409.519	-40.711
460	20	2.07485	413.824	0.785949
461	56.2	2.12007	418.319	119.934
462	63	2.19728	423.147	258.363
463	73	2.25713	428.242	423.133
464	82	2.32634	433.654	613.893
465	90	2.40892	439.457	830.696
466	93	2.51213	445.767	1064.32
467	100	2.65209	452.801	1329.53
468	180	2.87815	461.085	1847.6

Data Set Standard Deviation = 12.2818
Numerator = 3.41363e+006
Denominator = 3.24805e+007
W Statistic = 0.105098 = 3.41363e+006 / 3.24805e+007

5% Critical value of 0.976 exceeds 0.105098
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.105098
Evidence of non-normality at 99% level of significance

Shapiro-Francia Test of Normality
Parameter: Chlorobenzene
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	0.4	-2.87815	8.28375	-1.15126
2	0.49	-2.65209	15.3173	-2.45078
3	0.52	-2.51213	21.6281	-3.75709
4	0.54	-2.40892	27.431	-5.05791
5	0.78	-2.32634	32.8429	-6.87246
6	1	-2.25713	37.9375	-9.12959
7	1.8	-2.19728	42.7656	-13.0847
8	1.9	-2.12007	47.2603	-17.1128
9	2	-2.07485	51.5653	-21.2625
10	2.1	-2.03352	55.7005	-25.5329
11	2.2	-1.99539	59.6821	-29.9228
12	2.5	-1.95996	63.5235	-34.8227
13	2.9	-1.92684	67.2362	-40.4105
14	4.7	-1.8957	70.8299	-49.3203
15	5	-1.86629	74.313	-58.6518
16	5	-1.82501	77.6436	-67.7768
17	5	-1.79912	80.8804	-76.7724
18	5	-1.77438	84.0288	-85.6443
19	5	-1.75069	87.0937	-94.3977
20	5	-1.72793	90.0795	-103.037
21	5	-1.70604	92.9901	-111.568
22	5	-1.68494	95.8291	-119.992
23	5	-1.65463	98.5669	-128.265
24	5	-1.63524	101.241	-136.442
25	5	-1.61644	103.854	-144.524
26	5	-1.59819	106.408	-152.515
27	5	-1.58047	108.906	-160.417
28	5	-1.56322	111.349	-168.233
29	5	-1.54643	113.741	-175.965
30	5	-1.53007	116.082	-183.616
31	5	-1.50626	118.351	-191.147
32	5	-1.49085	120.574	-198.601
33	5	-1.47579	122.751	-205.98
34	5	-1.46106	124.886	-213.285
35	5	-1.44663	126.979	-220.519
36	5	-1.4325	129.031	-227.681
37	5	-1.41865	131.044	-234.774
38	5	-1.39838	132.999	-241.766
39	5	-1.38517	134.918	-248.692
40	5	-1.3722	136.801	-255.553
41	5	-1.35946	138.649	-262.35
42	5	-1.34694	140.463	-269.085
43	5	-1.33462	142.244	-275.758
44	5	-1.32251	143.993	-282.371
45	5	-1.31058	145.711	-288.924
46	5	-1.29303	147.383	-295.389
47	5	-1.28155	149.025	-301.797
48	5	-1.27024	150.639	-308.148
49	5	-1.25908	152.224	-314.443
50	5	-1.24809	153.782	-320.684
51	5	-1.23724	155.312	-326.87
52	5	-1.22653	156.817	-333.002
53	5	-1.21073	158.283	-339.056
54	5	-1.20036	159.724	-345.058
55	5	-1.19012	161.14	-351.009
56	5	-1.18	162.532	-356.909
57	5	-1.17	163.901	-362.759
58	5	-1.16012	165.247	-368.559
59	5	-1.15035	166.57	-374.311
60	5	-1.14069	167.872	-380.014
61	5	-1.12639	169.14	-385.646
62	5	-1.11699	170.388	-391.231
63	5	-1.10768	171.615	-396.77
64	5	-1.09847	172.822	-402.262
65	5	-1.08935	174.008	-407.709
66	5	-1.08032	175.175	-413.11
67	5	-1.07138	176.323	-418.467
68	5	-1.06252	177.452	-423.78
69	5	-1.04939	178.553	-429.027
70	5	-1.04073	179.637	-434.23
71	5	-1.03215	180.702	-439.391
72	5	-1.02365	181.75	-444.509
73	5	-1.01522	182.78	-449.586
74	5	-1.00687	183.794	-454.62
75	5	-0.998575	184.791	-459.613
76	5	-0.986272	185.764	-464.544

77	5	-0.97815	186.721	-469.435
78	5	-0.970094	187.662	-474.285
79	5	-0.9621	188.588	-479.096
80	5	-0.954165	189.498	-483.867
81	5	-0.946291	190.393	-488.598
82	5	-0.938476	191.274	-493.29
83	5	-0.930718	192.14	-497.944
84	5	-0.919183	192.985	-502.54
85	5	-0.911562	193.816	-507.098
86	5	-0.903992	194.633	-511.618
87	5	-0.896473	195.437	-516.1
88	5	-0.889006	196.227	-520.545
89	5	-0.881587	197.005	-524.953
90	5	-0.874218	197.769	-529.324
91	5	-0.863249	198.514	-533.64
92	5	-0.855996	199.247	-537.92
93	5	-0.848786	199.967	-542.164
94	5	-0.841621	200.676	-546.372
95	5	-0.834498	201.372	-550.545
96	5	-0.827417	202.057	-554.682
97	5	-0.820379	202.73	-558.784
98	5	-0.813379	203.391	-562.851
99	5	-0.802956	204.036	-566.866
100	5	-0.796056	204.67	-570.846
101	5	-0.789191	205.292	-574.792
102	5	-0.782366	205.905	-578.704
103	5	-0.775574	206.506	-582.581
104	5	-0.768821	207.097	-586.426
105	5	-0.7621	207.678	-590.236
106	5	-0.752084	208.244	-593.997
107	5	-0.745449	208.799	-597.724
108	5	-0.738846	209.345	-601.418
109	5	-0.732275	209.881	-605.079
110	5	-0.725736	210.408	-608.708
111	5	-0.719228	210.925	-612.304
112	5	-0.712751	211.433	-615.868
113	5	-0.706302	211.932	-619.399
114	5	-0.696684	212.418	-622.883
115	5	-0.690309	212.894	-626.334
116	5	-0.68396	213.362	-629.754
117	5	-0.677639	213.821	-633.142
118	5	-0.671346	214.272	-636.499
119	5	-0.665079	214.714	-639.825
120	5	-0.658838	215.148	-643.119
121	5	-0.652622	215.574	-646.382
122	5	-0.643345	215.988	-649.599
123	5	-0.637192	216.394	-652.785
124	5	-0.631062	216.792	-655.94
125	5	-0.624956	217.183	-659.065
126	5	-0.618872	217.566	-662.159
127	5	-0.612813	217.941	-665.223
128	5	-0.606775	218.31	-668.257
129	5	-0.597761	218.667	-671.246
130	5	-0.591776	219.017	-674.205
131	5	-0.585815	219.36	-677.134
132	5	-0.579873	219.697	-680.033
133	5	-0.573953	220.026	-682.903
134	5	-0.568052	220.349	-685.743
135	5	-0.56217	220.665	-688.554
136	5	-0.556308	220.974	-691.335
137	5	-0.547551	221.274	-694.073
138	5	-0.541736	221.567	-696.782
139	5	-0.53594	221.855	-699.462
140	5	-0.530162	222.136	-702.112
141	5	-0.524401	222.411	-704.734
142	5	-0.518658	222.68	-707.328
143	5	-0.51293	222.943	-709.892
144	5	-0.504372	223.197	-712.414
145	5	-0.498687	223.446	-714.908
146	5	-0.493018	223.689	-717.373
147	5	-0.487364	223.927	-719.81
148	5	-0.481728	224.159	-722.218
149	5	-0.476105	224.385	-724.599
150	5	-0.470498	224.607	-726.951
151	5	-0.464904	224.823	-729.276
152	5	-0.456542	225.031	-731.558
153	5	-0.450985	225.235	-733.813
154	5	-0.445443	225.433	-736.041
155	5	-0.439913	225.627	-738.24
156	5	-0.434397	225.815	-740.412
157	5	-0.428895	225.999	-742.557
158	5	-0.423405	226.178	-744.674
159	5	-0.415193	226.351	-746.75
160	5	-0.409735	226.519	-748.798
161	5	-0.40429	226.682	-750.82
162	5	-0.398855	226.841	-752.814

163	5	-0.393433	226.996	-754.781
164	5	-0.388022	227.147	-756.721
165	5	-0.382622	227.293	-758.634
166	5	-0.377233	227.435	-760.521
167	5	-0.369171	227.572	-762.366
168	5	-0.363809	227.704	-764.185
169	5	-0.358459	227.832	-765.978
170	5	-0.353118	227.957	-767.743
171	5	-0.347787	228.078	-769.482
172	5	-0.342466	228.195	-771.195
173	5	-0.337155	228.309	-772.88
174	5	-0.329206	228.417	-774.526
175	5	-0.323919	228.522	-776.146
176	5	-0.318639	228.624	-777.739
177	5	-0.31337	228.722	-779.306
178	5	-0.308108	228.817	-780.847
179	5	-0.302855	228.909	-782.361
180	5	-0.297612	228.997	-783.849
181	5	-0.292375	229.083	-785.311
182	5	-0.284535	229.164	-786.733
183	5	-0.279319	229.242	-788.13
184	5	-0.27411	229.317	-789.501
185	5	-0.268908	229.389	-790.845
186	5	-0.263715	229.459	-792.164
187	5	-0.258527	229.526	-793.456
188	5	-0.253347	229.59	-794.723
189	5	-0.248174	229.651	-795.964
190	5	-0.240426	229.709	-797.166
191	5	-0.235269	229.765	-798.342
192	5	-0.230118	229.818	-799.493
193	5	-0.224974	229.868	-800.618
194	5	-0.219834	229.916	-801.717
195	5	-0.214702	229.963	-802.791
196	5	-0.209575	230.006	-803.838
197	5	-0.201894	230.047	-804.848
198	5	-0.196779	230.086	-805.832
199	5	-0.191671	230.123	-806.79
200	5	-0.186567	230.158	-807.723
201	5	-0.181468	230.19	-808.63
202	5	-0.176374	230.222	-809.512
203	5	-0.171285	230.251	-810.369
204	5	-0.166199	230.279	-811.2
205	5	-0.158579	230.304	-811.993
206	5	-0.153505	230.327	-812.76
207	5	-0.148434	230.349	-813.502
208	5	-0.143367	230.37	-814.219
209	5	-0.138305	230.389	-814.911
210	5	-0.133244	230.407	-815.577
211	5	-0.128189	230.423	-816.218
212	5	-0.12061	230.438	-816.821
213	5	-0.115562	230.451	-817.399
214	5	-0.110516	230.463	-817.951
215	5	-0.105474	230.474	-818.479
216	5	-0.100433	230.484	-818.981
217	5	-0.0953969	230.494	-819.458
218	5	-0.0903606	230.502	-819.91
219	5	-0.0853288	230.509	-820.336
220	5	-0.0777834	230.515	-820.725
221	5	-0.0727562	230.52	-821.089
222	5	-0.0677301	230.525	-821.428
223	5	-0.0627062	230.529	-821.741
224	5	-0.0576847	230.532	-822.029
225	5	-0.0526632	230.535	-822.293
226	5	-0.0476439	230.537	-822.531
227	5	-0.0401167	230.539	-822.732
228	5	-0.0350997	230.54	-822.907
229	5	-0.0300838	230.541	-823.058
230	5	-0.0250691	230.542	-823.183
231	5	-0.0200544	230.542	-823.283
232	5	-0.0150408	230.542	-823.358
233	5	-0.0100272	230.542	-823.408
234	5	-0.00501359	230.542	-823.434
235	5	0.00501359	230.542	-823.408
236	5	0.0100272	230.542	-823.358
237	5	0.0150408	230.543	-823.283
238	5	0.0200544	230.543	-823.183
239	5	0.0250691	230.544	-823.058
240	5	0.0300838	230.545	-822.907
241	5	0.0350997	230.546	-822.732
242	5	0.0401167	230.547	-822.531
243	5	0.0476439	230.55	-822.293
244	5	0.0526632	230.553	-822.029
245	5	0.0576847	230.556	-821.741
246	5	0.0627062	230.56	-821.428
247	5	0.0677301	230.564	-821.089
248	5	0.0727562	230.57	-820.725

249	5	0.0777834	230.576	-820.336
250	5	0.0853288	230.583	-819.91
251	5	0.0903606	230.591	-819.458
252	5	0.0953969	230.6	-818.981
253	5	0.100433	230.61	-818.479
254	5	0.105474	230.621	-817.951
255	5	0.110516	230.634	-817.399
256	5	0.115562	230.647	-816.821
257	5	0.12061	230.662	-816.218
258	5	0.128189	230.678	-815.577
259	5	0.133244	230.696	-814.911
260	5	0.138305	230.715	-814.219
261	5	0.143367	230.735	-813.502
262	5	0.148434	230.757	-812.76
263	5	0.153505	230.781	-811.993
264	5	0.158579	230.806	-811.2
265	5	0.166199	230.834	-810.369
266	5	0.171285	230.863	-809.512
267	5	0.176374	230.894	-808.63
268	5	0.181468	230.927	-807.723
269	5	0.186567	230.962	-806.79
270	5	0.191671	230.999	-805.832
271	5	0.196779	231.037	-804.848
272	5	0.201894	231.078	-803.838
273	5	0.209575	231.122	-802.791
274	5	0.214702	231.168	-801.717
275	5	0.219834	231.217	-800.618
276	5	0.224974	231.267	-799.493
277	5	0.230118	231.32	-798.342
278	5	0.235269	231.375	-797.166
279	5	0.240426	231.433	-795.964
280	5	0.248174	231.495	-794.723
281	5	0.253347	231.559	-793.456
282	5	0.258527	231.626	-792.164
283	5	0.263715	231.695	-790.845
284	5	0.268908	231.768	-789.501
285	5	0.27411	231.843	-788.13
286	5	0.279319	231.921	-786.733
287	5	0.284535	232.002	-785.311
288	5	0.292375	232.087	-783.849
289	5	0.297612	232.176	-782.361
290	5	0.302855	232.268	-780.847
291	5	0.308108	232.363	-779.306
292	5	0.31337	232.461	-777.739
293	5	0.318639	232.562	-776.146
294	5	0.323919	232.667	-774.526
295	5	0.329206	232.776	-772.88
296	5	0.337155	232.889	-771.195
297	5	0.342466	233.007	-769.482
298	5	0.347787	233.128	-767.743
299	5	0.353118	233.252	-765.978
300	5	0.358459	233.381	-764.185
301	5	0.363809	233.513	-762.366
302	5	0.369171	233.649	-760.521
303	5	0.377233	233.792	-758.634
304	5	0.382622	233.938	-756.721
305	5	0.388022	234.089	-754.781
306	5	0.393433	234.243	-752.814
307	5	0.398855	234.403	-750.82
308	5	0.40429	234.566	-748.798
309	5	0.409735	234.734	-746.75
310	5	0.415193	234.906	-744.674
311	5	0.423405	235.086	-742.557
312	5	0.428895	235.269	-740.412
313	5	0.434397	235.458	-738.24
314	5	0.439913	235.652	-736.041
315	5	0.445443	235.85	-733.813
316	5	0.450985	236.053	-731.558
317	5	0.456542	236.262	-729.276
318	5	0.464904	236.478	-726.951
319	5	0.470498	236.699	-724.599
320	5	0.476105	236.926	-722.218
321	5	0.481728	237.158	-719.81
322	5	0.487364	237.396	-717.373
323	5	0.493018	237.639	-714.908
324	5	0.498687	237.887	-712.414
325	5	0.504372	238.142	-709.892
326	5	0.51293	238.405	-707.328
327	5	0.518658	238.674	-704.734
328	5	0.524401	238.949	-702.112
329	5	0.530162	239.23	-699.462
330	5	0.53594	239.517	-696.782
331	5	0.541736	239.811	-694.073
332	5	0.547551	240.111	-691.335
333	5	0.556308	240.42	-688.554
334	5	0.56217	240.736	-685.743

335	5	0.568052	241.059	-682.903
336	5	0.573953	241.388	-680.033
337	5	0.579873	241.724	-677.134
338	5	0.585815	242.068	-674.205
339	5	0.591776	242.418	-671.246
340	5	0.597761	242.775	-668.257
341	5	0.606775	243.143	-665.223
342	5	0.612813	243.519	-662.159
343	5	0.618872	243.902	-659.065
344	5	0.624956	244.292	-655.94
345	5	0.631062	244.691	-652.785
346	5	0.637192	245.097	-649.599
347	5	0.643345	245.511	-646.382
348	5	0.652622	245.936	-643.119
349	5	0.658838	246.371	-639.825
350	5	0.665079	246.813	-636.499
351	5	0.671346	247.264	-633.142
352	5	0.677639	247.723	-629.754
353	5	0.68396	248.191	-626.334
354	5	0.690309	248.667	-622.883
355	5	0.696684	249.152	-619.399
356	5	0.706302	249.651	-615.868
357	5	0.712751	250.159	-612.304
358	5	0.719228	250.677	-608.708
359	5	0.725736	251.203	-605.079
360	5	0.732275	251.74	-601.418
361	5	0.738846	252.285	-597.724
362	5	0.745449	252.841	-593.997
363	5	0.752084	253.407	-590.236
364	5	0.7621	253.988	-586.426
365	5	0.768821	254.579	-582.581
366	5	0.775574	255.18	-578.704
367	5	0.782366	255.792	-574.792
368	5	0.789191	256.415	-570.846
369	5	0.796056	257.049	-566.866
370	5	0.802956	257.693	-562.851
371	5	0.813379	258.355	-558.784
372	5	0.820379	259.028	-554.682
373	5	0.827417	259.713	-550.545
374	5	0.834498	260.409	-546.372
375	5	0.841621	261.117	-542.164
376	5	0.848786	261.838	-537.92
377	5	0.855996	262.571	-533.64
378	5	0.863249	263.316	-529.324
379	5	0.874218	264.08	-524.953
380	5	0.881587	264.857	-520.545
381	5	0.889006	265.648	-516.1
382	5	0.896473	266.451	-511.618
383	5	0.903992	267.268	-507.098
384	5	0.911562	268.099	-502.54
385	5	0.919183	268.944	-497.944
386	5	0.930718	269.811	-493.29
387	5	0.938476	270.691	-488.598
388	5	0.946291	271.587	-483.867
389	5	0.954165	272.497	-479.096
390	5	0.9621	273.423	-474.285
391	5	0.970094	274.364	-469.435
392	5	0.97815	275.321	-464.544
393	5	0.986272	276.293	-459.613
394	5	0.998575	277.291	-454.62
395	5	1.00687	278.304	-449.586
396	5	1.01522	279.335	-444.509
397	5	1.02365	280.383	-439.391
398	5	1.03215	281.448	-434.23
399	5	1.04073	282.531	-429.027
400	5	1.04939	283.633	-423.78
401	5	1.06252	284.761	-418.467
402	5	1.07138	285.909	-413.11
403	5	1.08032	287.076	-407.709
404	5	1.08935	288.263	-402.262
405	5	1.09847	289.47	-396.77
406	5	1.10768	290.697	-391.231
407	5	1.11699	291.944	-385.646
408	5	1.12639	293.213	-380.014
409	5	1.14069	294.514	-374.311
410	5	1.15035	295.838	-368.559
411	5	1.16012	297.183	-362.759
412	5	1.17	298.552	-356.909
413	5	1.18	299.945	-351.009
414	5	1.19012	301.361	-345.058
415	5	1.20036	302.802	-339.056
416	5	1.21073	304.268	-333.002
417	5	1.22653	305.772	-326.87
418	5	1.23724	307.303	-320.684
419	5	1.24809	308.861	-314.443
420	5	1.25908	310.446	-308.148

421	5	1.27024	312.06	-301.797
422	5	1.28155	313.702	-295.389
423	5	1.29303	315.374	-288.924
424	5	1.31058	317.091	-282.371
425	5	1.32251	318.84	-275.758
426	5	1.33462	320.622	-269.085
427	5	1.34694	322.436	-262.35
428	5	1.35946	324.284	-255.553
429	5	1.3722	326.167	-248.692
430	5	1.38517	328.086	-241.766
431	5	1.39838	330.041	-234.774
432	5	1.41865	332.054	-227.681
433	5	1.4325	334.106	-220.519
434	5	1.44663	336.199	-213.285
435	5	1.46106	338.333	-205.98
436	5	1.47579	340.511	-198.601
437	5	1.49085	342.734	-191.147
438	5	1.50626	345.003	-183.616
439	5	1.53007	347.344	-175.965
440	5	1.54643	349.735	-168.233
441	5	1.56322	352.179	-160.417
442	5	1.58047	354.677	-152.515
443	5	1.59819	357.231	-144.524
444	5	1.61644	359.844	-136.442
445	5	1.63524	362.518	-128.265
446	5	1.65463	365.256	-119.992
447	5	1.68494	368.095	-111.568
448	5	1.70604	371.005	-103.037
449	5	1.72793	373.991	-94.3977
450	5	1.75069	377.056	-85.6443
451	5	1.77438	380.204	-76.7724
452	5	1.79912	383.441	-67.7768
453	5	1.82501	386.772	-58.6518
454	5	1.86629	390.255	-49.3203
455	5	1.8957	393.848	-39.8418
456	5	1.92684	397.561	-30.2076
457	5	1.95996	401.403	-20.4078
458	5	1.99539	405.384	-10.4308
459	5	2.03352	409.519	-0.26324
460	5	2.07485	413.824	10.111
461	5	2.12007	418.319	20.7113
462	5	2.19728	423.147	31.6978
463	5	2.25713	428.242	42.9834
464	5	2.32634	433.654	54.6151
465	5	2.40892	439.457	66.6597
466	5	2.51213	445.767	79.2204
467	5	2.65209	452.801	92.4808
468	5	2.87815	461.085	106.872

Data Set Standard Deviation = 0.59722
Numerator = 11421.5
Denominator = 76800.9
W Statistic = 0.148716 = 11421.5 / 76800.9

5% Critical value of 0.976 exceeds 0.148716
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.148716
Evidence of non-normality at 99% level of significance

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 = 468

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	0.59	-2.87815	8.28375	-1.69811
2	0.67	-2.65209	15.3173	-3.47501
3	0.73	-2.51213	21.6281	-5.30886
4	0.89	-2.40892	27.431	-7.45281
5	1.5	-2.32634	32.8429	-10.9423
6	1.8	-2.25713	37.9375	-15.0052
7	2.9	-2.19728	42.7656	-21.3773
8	2.9	-2.12007	47.2603	-27.5255
9	3.3	-2.07485	51.5653	-34.3725
10	3.8	-2.03352	55.7005	-42.0999
11	4.1	-1.99539	59.6821	-50.281
12	4.4	-1.95996	63.5235	-58.9048
13	4.5	-1.92684	67.2362	-67.5756
14	5	-1.8957	70.8299	-77.0541
15	5	-1.86629	74.313	-86.3855
16	5	-1.82501	77.6436	-95.5105
17	5	-1.79912	80.8804	-104.506
18	5	-1.77438	84.0288	-113.378
19	5	-1.75069	87.0937	-122.131
20	5	-1.72793	90.0795	-130.771
21	5	-1.70604	92.9901	-139.301
22	5	-1.68494	95.8291	-147.726
23	5	-1.65463	98.5669	-155.999
24	5	-1.63524	101.241	-164.175
25	5	-1.61644	103.854	-172.258
26	5	-1.59819	106.408	-180.248
27	5	-1.58047	108.906	-188.151
28	5	-1.56322	111.349	-195.967
29	5	-1.54643	113.741	-203.699
30	5	-1.53007	116.082	-211.349
31	5	-1.50626	118.351	-218.881
32	5	-1.49085	120.574	-226.335
33	5	-1.47579	122.751	-233.714
34	5	-1.46106	124.886	-241.019
35	5	-1.44663	126.979	-248.252
36	5	-1.4325	129.031	-255.415
37	5	-1.41865	131.044	-262.508
38	5	-1.39838	132.999	-269.5
39	5	-1.38517	134.918	-276.426
40	5	-1.3722	136.801	-283.287
41	5	-1.35946	138.649	-290.084
42	5	-1.34694	140.463	-296.819
43	5	-1.33462	142.244	-303.492
44	5	-1.32251	143.993	-310.105
45	5	-1.31058	145.711	-316.657
46	5	-1.29303	147.383	-323.123
47	5	-1.28155	149.025	-329.53
48	5	-1.27024	150.639	-335.882
49	5	-1.25908	152.224	-342.177
50	5	-1.24809	153.782	-348.417
51	5	-1.23724	155.312	-354.604
52	5	-1.22653	156.817	-360.736
53	5	-1.21073	158.283	-366.79
54	5	-1.20036	159.724	-372.792
55	5	-1.19012	161.14	-378.742
56	5	-1.18	162.532	-384.642
57	5	-1.17	163.901	-390.492
58	5	-1.16012	165.247	-396.293
59	5	-1.15035	166.57	-402.045
60	5	-1.14069	167.872	-407.748
61	5	-1.12639	169.14	-413.38
62	5	-1.11699	170.388	-418.965
63	5	-1.10768	171.615	-424.503
64	5	-1.09847	172.822	-429.996
65	5	-1.08935	174.008	-435.442
66	5	-1.08032	175.175	-440.844
67	5	-1.07138	176.323	-446.201
68	5	-1.06252	177.452	-451.514
69	5	-1.04939	178.553	-456.76
70	5	-1.04073	179.637	-461.964
71	5	-1.03215	180.702	-467.125
72	5	-1.02365	181.75	-472.243
73	5	-1.01522	182.78	-477.319
74	5	-1.00687	183.794	-482.354
75	5	-0.998575	184.791	-487.346
76	5	-0.986272	185.764	-492.278

77	5	-0.97815	186.721	-497.169
78	5	-0.970094	187.662	-502.019
79	5	-0.9621	188.588	-506.83
80	5	-0.954165	189.498	-511.6
81	5	-0.946291	190.393	-516.332
82	5	-0.938476	191.274	-521.024
83	5	-0.930718	192.14	-525.678
84	5	-0.919183	192.985	-530.274
85	5	-0.911562	193.816	-534.832
86	5	-0.903992	194.633	-539.351
87	5	-0.896473	195.437	-543.834
88	5	-0.889006	196.227	-548.279
89	5	-0.881587	197.005	-552.687
90	5	-0.874218	197.769	-557.058
91	5	-0.863249	198.514	-561.374
92	5	-0.855996	199.247	-565.654
93	5	-0.848786	199.967	-569.898
94	5	-0.841621	200.676	-574.106
95	5	-0.834498	201.372	-578.279
96	5	-0.827417	202.057	-582.416
97	5	-0.820379	202.73	-586.518
98	5	-0.813379	203.391	-590.585
99	5	-0.802956	204.036	-594.599
100	5	-0.796056	204.67	-598.58
101	5	-0.789191	205.292	-602.526
102	5	-0.782366	205.905	-606.437
103	5	-0.775574	206.506	-610.315
104	5	-0.768821	207.097	-614.159
105	5	-0.7621	207.678	-617.97
106	5	-0.752084	208.244	-621.73
107	5	-0.745449	208.799	-625.458
108	5	-0.738846	209.345	-629.152
109	5	-0.732275	209.881	-632.813
110	5	-0.725736	210.408	-636.442
111	5	-0.719228	210.925	-640.038
112	5	-0.712751	211.433	-643.602
113	5	-0.706302	211.932	-647.133
114	5	-0.696684	212.418	-650.617
115	5	-0.690309	212.894	-654.068
116	5	-0.68396	213.362	-657.488
117	5	-0.677639	213.821	-660.876
118	5	-0.671346	214.272	-664.233
119	5	-0.665079	214.714	-667.558
120	5	-0.658838	215.148	-670.852
121	5	-0.652622	215.574	-674.116
122	5	-0.643345	215.988	-677.332
123	5	-0.637192	216.394	-680.518
124	5	-0.631062	216.792	-683.674
125	5	-0.624956	217.183	-686.798
126	5	-0.618872	217.566	-689.893
127	5	-0.612813	217.941	-692.957
128	5	-0.606775	218.31	-695.991
129	5	-0.597761	218.667	-698.979
130	5	-0.591776	219.017	-701.938
131	5	-0.585815	219.36	-704.867
132	5	-0.579873	219.697	-707.767
133	5	-0.573953	220.026	-710.637
134	5	-0.568052	220.349	-713.477
135	5	-0.56217	220.665	-716.288
136	5	-0.556308	220.974	-719.069
137	5	-0.547551	221.274	-721.807
138	5	-0.541736	221.567	-724.516
139	5	-0.53594	221.855	-727.195
140	5	-0.530162	222.136	-729.846
141	5	-0.524401	222.411	-732.468
142	5	-0.518658	222.68	-735.061
143	5	-0.51293	222.943	-737.626
144	5	-0.504372	223.197	-740.148
145	5	-0.498687	223.446	-742.641
146	5	-0.493018	223.689	-745.106
147	5	-0.487364	223.927	-747.543
148	5	-0.481728	224.159	-749.952
149	5	-0.476105	224.385	-752.332
150	5	-0.470498	224.607	-754.685
151	5	-0.464904	224.823	-757.009
152	5	-0.456542	225.031	-759.292
153	5	-0.450985	225.235	-761.547
154	5	-0.445443	225.433	-763.774
155	5	-0.439913	225.627	-765.974
156	5	-0.434397	225.815	-768.146
157	5	-0.428895	225.999	-770.29
158	5	-0.423405	226.178	-772.407
159	5	-0.415193	226.351	-774.483
160	5	-0.409735	226.519	-776.532
161	5	-0.40429	226.682	-778.553
162	5	-0.398855	226.841	-780.548

163	5	-0.393433	226.996	-782.515
164	5	-0.388022	227.147	-784.455
165	5	-0.382622	227.293	-786.368
166	5	-0.377233	227.435	-788.254
167	5	-0.369171	227.572	-790.1
168	5	-0.363809	227.704	-791.919
169	5	-0.358459	227.832	-793.711
170	5	-0.353118	227.957	-795.477
171	5	-0.347787	228.078	-797.216
172	5	-0.342466	228.195	-798.928
173	5	-0.337155	228.309	-800.614
174	5	-0.329206	228.417	-802.26
175	5	-0.323919	228.522	-803.88
176	5	-0.318639	228.624	-805.473
177	5	-0.31337	228.722	-807.04
178	5	-0.308108	228.817	-808.58
179	5	-0.302855	228.909	-810.095
180	5	-0.297612	228.997	-811.583
181	5	-0.292375	229.083	-813.045
182	5	-0.284535	229.164	-814.467
183	5	-0.279319	229.242	-815.864
184	5	-0.27411	229.317	-817.234
185	5	-0.268908	229.389	-818.579
186	5	-0.263715	229.459	-819.897
187	5	-0.258527	229.526	-821.19
188	5	-0.253347	229.59	-822.457
189	5	-0.248174	229.651	-823.698
190	5	-0.240426	229.709	-824.9
191	5	-0.235269	229.765	-826.076
192	5	-0.230118	229.818	-827.227
193	5	-0.224974	229.868	-828.352
194	5	-0.219834	229.916	-829.451
195	5	-0.214702	229.963	-830.524
196	5	-0.209575	230.006	-831.572
197	5	-0.201894	230.047	-832.582
198	5	-0.196779	230.086	-833.566
199	5	-0.191671	230.123	-834.524
200	5	-0.186567	230.158	-835.457
201	5	-0.181468	230.19	-836.364
202	5	-0.176374	230.222	-837.246
203	5	-0.171285	230.251	-838.102
204	5	-0.166199	230.279	-838.933
205	5	-0.158579	230.304	-839.726
206	5	-0.153505	230.327	-840.494
207	5	-0.148434	230.349	-841.236
208	5	-0.143367	230.37	-841.953
209	5	-0.138305	230.389	-842.644
210	5	-0.133244	230.407	-843.311
211	5	-0.128189	230.423	-843.952
212	5	-0.12061	230.438	-844.555
213	5	-0.115562	230.451	-845.132
214	5	-0.110516	230.463	-845.685
215	5	-0.105474	230.474	-846.212
216	5	-0.100433	230.484	-846.715
217	5	-0.0953969	230.494	-847.191
218	5	-0.0903606	230.502	-847.643
219	5	-0.0853288	230.509	-848.07
220	5	-0.0777834	230.515	-848.459
221	5	-0.0727562	230.52	-848.823
222	5	-0.0677301	230.525	-849.161
223	5	-0.0627062	230.529	-849.475
224	5	-0.0576847	230.532	-849.763
225	5	-0.0526632	230.535	-850.027
226	5	-0.0476439	230.537	-850.265
227	5	-0.0401167	230.539	-850.465
228	5	-0.0350997	230.54	-850.641
229	5	-0.0300838	230.541	-850.791
230	5	-0.0250691	230.542	-850.917
231	5	-0.0200544	230.542	-851.017
232	5	-0.0150408	230.542	-851.092
233	5	-0.0100272	230.542	-851.142
234	5	-0.00501359	230.542	-851.167
235	5	0.00501359	230.542	-851.142
236	5	0.0100272	230.542	-851.092
237	5	0.0150408	230.543	-851.017
238	5	0.0200544	230.543	-850.917
239	5	0.0250691	230.544	-850.791
240	5	0.0300838	230.545	-850.641
241	5	0.0350997	230.546	-850.465
242	5	0.0401167	230.547	-850.265
243	5	0.0476439	230.55	-850.027
244	5	0.0526632	230.553	-849.763
245	5	0.0576847	230.556	-849.475
246	5	0.0627062	230.56	-849.161
247	5	0.0677301	230.564	-848.823
248	5	0.0727562	230.57	-848.459

249	5	0.0777834	230.576	-848.07
250	5	0.0853288	230.583	-847.643
251	5	0.0903606	230.591	-847.191
252	5	0.0953969	230.6	-846.715
253	5	0.100433	230.61	-846.212
254	5	0.105474	230.621	-845.685
255	5	0.110516	230.634	-845.132
256	5	0.115562	230.647	-844.555
257	5	0.12061	230.662	-843.952
258	5	0.128189	230.678	-843.311
259	5	0.133244	230.696	-842.644
260	5	0.138305	230.715	-841.953
261	5	0.143367	230.735	-841.236
262	5	0.148434	230.757	-840.494
263	5	0.153505	230.781	-839.726
264	5	0.158579	230.806	-838.933
265	5	0.166199	230.834	-838.102
266	5	0.171285	230.863	-837.246
267	5	0.176374	230.894	-836.364
268	5	0.181468	230.927	-835.457
269	5	0.186567	230.962	-834.524
270	5	0.191671	230.999	-833.566
271	5	0.196779	231.037	-832.582
272	5	0.201894	231.078	-831.572
273	5	0.209575	231.122	-830.524
274	5	0.214702	231.168	-829.451
275	5	0.219834	231.217	-828.352
276	5	0.224974	231.267	-827.227
277	5	0.230118	231.32	-826.076
278	5	0.235269	231.375	-824.9
279	5	0.240426	231.433	-823.698
280	5	0.248174	231.495	-822.457
281	5	0.253347	231.559	-821.19
282	5	0.258527	231.626	-819.897
283	5	0.263715	231.695	-818.579
284	5	0.268908	231.768	-817.234
285	5	0.27411	231.843	-815.864
286	5	0.279319	231.921	-814.467
287	5	0.284535	232.002	-813.045
288	5	0.292375	232.087	-811.583
289	5	0.297612	232.176	-810.095
290	5	0.302855	232.268	-808.58
291	5	0.308108	232.363	-807.04
292	5	0.31337	232.461	-805.473
293	5	0.318639	232.562	-803.88
294	5	0.323919	232.667	-802.26
295	5	0.329206	232.776	-800.614
296	5	0.337155	232.889	-798.928
297	5	0.342466	233.007	-797.216
298	5	0.347787	233.128	-795.477
299	5	0.353118	233.252	-793.711
300	5	0.358459	233.381	-791.919
301	5	0.363809	233.513	-790.1
302	5	0.369171	233.649	-788.254
303	5	0.377233	233.792	-786.368
304	5	0.382622	233.938	-784.455
305	5	0.388022	234.089	-782.515
306	5	0.393433	234.243	-780.548
307	5	0.398855	234.403	-778.553
308	5	0.40429	234.566	-776.532
309	5	0.409735	234.734	-774.483
310	5	0.415193	234.906	-772.407
311	5	0.423405	235.086	-770.29
312	5	0.428895	235.269	-768.146
313	5	0.434397	235.458	-765.974
314	5	0.439913	235.652	-763.774
315	5	0.445443	235.85	-761.547
316	5	0.450985	236.053	-759.292
317	5	0.456542	236.262	-757.009
318	5	0.464904	236.478	-754.685
319	5	0.470498	236.699	-752.332
320	5	0.476105	236.926	-749.952
321	5	0.481728	237.158	-747.543
322	5	0.487364	237.396	-745.106
323	5	0.493018	237.639	-742.641
324	5	0.498687	237.887	-740.148
325	5	0.504372	238.142	-737.626
326	5	0.51293	238.405	-735.061
327	5	0.518658	238.674	-732.468
328	5	0.524401	238.949	-729.846
329	5	0.530162	239.23	-727.195
330	5	0.53594	239.517	-724.516
331	5	0.541736	239.811	-721.807
332	5	0.547551	240.111	-719.069
333	5	0.556308	240.42	-716.288
334	5	0.56217	240.736	-713.477

421	5	1.27024	312.06	-329.53
422	5	1.28155	313.702	-323.123
423	5	1.29303	315.374	-316.657
424	5	1.31058	317.091	-310.105
425	5	1.32251	318.84	-303.492
426	5	1.33462	320.622	-296.819
427	5	1.34694	322.436	-290.084
428	5	1.35946	324.284	-283.287
429	5	1.3722	326.167	-276.426
430	5	1.38517	328.086	-269.5
431	5	1.39838	330.041	-262.508
432	5	1.41865	332.054	-255.415
433	5	1.4325	334.106	-248.252
434	5	1.44663	336.199	-241.019
435	5	1.46106	338.333	-233.714
436	5	1.47579	340.511	-226.335
437	5	1.49085	342.734	-218.881
438	5	1.50626	345.003	-211.349
439	5	1.53007	347.344	-203.699
440	5	1.54643	349.735	-195.967
441	5	1.56322	352.179	-188.151
442	5	1.58047	354.677	-180.248
443	5	1.59819	357.231	-172.258
444	5	1.61644	359.844	-164.175
445	5	1.63524	362.518	-155.999
446	5	1.65463	365.256	-147.726
447	5	1.68494	368.095	-139.301
448	5	1.70604	371.005	-130.771
449	5	1.72793	373.991	-122.131
450	5.2	1.75069	377.056	-113.028
451	5.2	1.77438	380.204	-103.801
452	5.9	1.79912	383.441	-93.1863
453	6	1.82501	386.772	-82.2363
454	6	1.86629	390.255	-71.0385
455	6	1.8957	393.848	-59.6644
456	6.2	1.92684	397.561	-47.718
457	6.4	1.95996	401.403	-35.1742
458	6.6	1.99539	405.384	-22.0046
459	6.6	2.03352	409.519	-8.58337
460	6.7	2.07485	413.824	5.31811
461	6.7	2.12007	418.319	19.5226
462	6.7	2.19728	423.147	34.2444
463	6.9	2.25713	428.242	49.8186
464	6.9	2.32634	433.654	65.8703
465	7	2.40892	439.457	82.7328
466	9	2.51213	445.767	105.342
467	9	2.65209	452.801	129.211
468	79	2.87815	461.085	356.585

Data Set Standard Deviation = 3.47527
Numerator = 127153
Denominator = 2.6006e+006
W Statistic = 0.0488935 = 127153 / 2.6006e+006

5% Critical value of 0.976 exceeds 0.0488935
Evidence of non-normality at 95% level of significance

1% Critical value of 0.967 exceeds 0.0488935
Evidence of non-normality at 99% level of significance

335	5	0.568052	241.059	-710.637
336	5	0.573953	241.388	-707.767
337	5	0.579873	241.724	-704.867
338	5	0.585815	242.068	-701.938
339	5	0.591776	242.418	-698.979
340	5	0.597761	242.775	-695.991
341	5	0.606775	243.143	-692.957
342	5	0.612813	243.519	-689.893
343	5	0.618872	243.902	-686.798
344	5	0.624956	244.292	-683.674
345	5	0.631062	244.691	-680.518
346	5	0.637192	245.097	-677.332
347	5	0.643345	245.511	-674.116
348	5	0.652622	245.936	-670.852
349	5	0.658838	246.371	-667.558
350	5	0.665079	246.813	-664.233
351	5	0.671346	247.264	-660.876
352	5	0.677639	247.723	-657.488
353	5	0.68396	248.191	-654.068
354	5	0.690309	248.667	-650.617
355	5	0.696684	249.152	-647.133
356	5	0.706302	249.651	-643.602
357	5	0.712751	250.159	-640.038
358	5	0.719228	250.677	-636.442
359	5	0.725736	251.203	-632.813
360	5	0.732275	251.74	-629.152
361	5	0.738846	252.285	-625.458
362	5	0.745449	252.841	-621.73
363	5	0.752084	253.407	-617.97
364	5	0.7621	253.988	-614.159
365	5	0.768821	254.579	-610.315
366	5	0.775574	255.18	-606.437
367	5	0.782366	255.792	-602.526
368	5	0.789191	256.415	-598.58
369	5	0.796056	257.049	-594.599
370	5	0.802956	257.693	-590.585
371	5	0.813379	258.355	-586.518
372	5	0.820379	259.028	-582.416
373	5	0.827417	259.713	-578.279
374	5	0.834498	260.409	-574.106
375	5	0.841621	261.117	-569.898
376	5	0.848786	261.838	-565.654
377	5	0.855996	262.571	-561.374
378	5	0.863249	263.316	-557.058
379	5	0.874218	264.08	-552.687
380	5	0.881587	264.857	-548.279
381	5	0.889006	265.648	-543.834
382	5	0.896473	266.451	-539.351
383	5	0.903992	267.268	-534.832
384	5	0.911562	268.099	-530.274
385	5	0.919183	268.944	-525.678
386	5	0.930718	269.811	-521.024
387	5	0.938476	270.691	-516.332
388	5	0.946291	271.587	-511.6
389	5	0.954165	272.497	-506.83
390	5	0.9621	273.423	-502.019
391	5	0.970094	274.364	-497.169
392	5	0.97815	275.321	-492.278
393	5	0.986272	276.293	-487.346
394	5	0.998575	277.291	-482.354
395	5	1.00687	278.304	-477.319
396	5	1.01522	279.335	-472.243
397	5	1.02365	280.383	-467.125
398	5	1.03215	281.448	-461.964
399	5	1.04073	282.531	-456.76
400	5	1.04939	283.633	-451.514
401	5	1.06252	284.761	-446.201
402	5	1.07138	285.909	-440.844
403	5	1.08032	287.076	-435.442
404	5	1.08935	288.263	-429.996
405	5	1.09847	289.47	-424.503
406	5	1.10768	290.697	-418.965
407	5	1.11699	291.944	-413.38
408	5	1.12639	293.213	-407.748
409	5	1.14069	294.514	-402.045
410	5	1.15035	295.838	-396.293
411	5	1.16012	297.183	-390.492
412	5	1.17	298.552	-384.642
413	5	1.18	299.945	-378.742
414	5	1.19012	301.361	-372.792
415	5	1.20036	302.802	-366.79
416	5	1.21073	304.268	-360.736
417	5	1.22653	305.772	-354.604
418	5	1.23724	307.303	-348.417
419	5	1.24809	308.861	-342.177
420	5	1.25908	310.446	-335.882

Shapiro-Francia Test of Normality

Parameter: Diethylphthalate
All Locations
Normality Test of Parameter Concentrations
Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit
Total Number of Measurements = 64

i	x(i)	m(i)	sum(m^2)	sum(mx)
1	1	-2.17009	4.70929	-2.17009
2	1.4	-1.88079	8.24666	-4.8032
3	1.4	-1.68494	11.0857	-7.16211
4	1.4	-1.54643	13.4771	-9.32712
5	1.4	-1.4325	15.5292	-11.3326
6	1.4	-1.32854	17.2942	-13.1926
7	1.4	-1.24264	18.8384	-14.9323
8	1.4	-1.16012	20.1843	-16.5564
9	1.4	-1.08935	21.3709	-18.0815
10	1.4	-1.02365	22.4188	-19.5146
11	1.4	-0.958125	23.3368	-20.856
12	1.4	-0.900227	24.1472	-22.1163
13	1.4	-0.841621	24.8555	-23.2946
14	1.4	-0.789191	25.4784	-24.3995
15	1.4	-0.738846	26.0243	-25.4339
16	1.4	-0.687131	26.4964	-26.3958
17	1.4	-0.640266	26.9064	-27.2922
18	1.4	-0.594766	27.2601	-28.1249
19	1.4	-0.547551	27.5599	-28.8915
20	1.4	-0.504372	27.8143	-29.5976
21	1.4	-0.459327	28.0253	-30.2406
22	1.4	-0.417928	28.1999	-30.8257
23	1.4	-0.377233	28.3423	-31.3539
24	1.4	-0.334503	28.4541	-31.8222
25	1.4	-0.294992	28.5412	-32.2352
26	1.4	-0.253347	28.6053	-32.5898
27	1.4	-0.214702	28.6514	-32.8904
28	1.4	-0.176374	28.6826	-33.1374
29	1.4	-0.135774	28.701	-33.3274
30	1.4	-0.0979139	28.7106	-33.4645
31	1.4	-0.0601949	28.7142	-33.5488
32	1.4	-0.0200544	28.7146	-33.5769
33	1.4	0.0200544	28.715	-33.5488
34	1.4	0.0601949	28.7186	-33.4645
35	1.4	0.0979139	28.7282	-33.3274
36	1.4	0.135774	28.7466	-33.1374
37	1.4	0.176374	28.7778	-32.8904
38	1.4	0.214702	28.8239	-32.5898
39	1.4	0.253347	28.888	-32.2352
40	1.4	0.294992	28.9751	-31.8222
41	1.4	0.334503	29.0869	-31.3539
42	1.4	0.377233	29.2293	-30.8257
43	1.4	0.417928	29.4039	-30.2406
44	1.4	0.459327	29.6149	-29.5976
45	1.4	0.504372	29.8693	-28.8915
46	1.4	0.547551	30.1691	-28.1249
47	1.4	0.594766	30.5228	-27.2922
48	1.4	0.640266	30.9328	-26.3958
49	1.4	0.687131	31.4049	-25.4339
50	1.4	0.738846	31.9508	-24.3995
51	1.4	0.789191	32.5737	-23.2946
52	1.4	0.841621	33.282	-22.1163
53	1.4	0.900227	34.0924	-20.856
54	1.4	0.958125	35.0104	-19.5146
55	1.4	1.02365	36.0583	-18.0815
56	1.4	1.08935	37.2449	-16.5564
57	1.4	1.16012	38.5908	-14.9323
58	1.4	1.24264	40.135	-13.1926
59	1.4	1.32854	41.9	-11.3326
60	1.4	1.4325	43.9521	-9.32712
61	1.4	1.54643	46.3435	-7.16211
62	1.4	1.68494	49.1825	-4.8032
63	2.3	1.88079	52.7199	-0.47738
64	2.5	2.17009	57.4292	4.94785

Data Set Standard Deviation = 0.184305
Numerator = 24.4812
Denominator = 122.898
W Statistic = 0.199198 = 24.4812 / 122.898

5% Critical value of 0.965 exceeds 0.199198
Evidence of non-normality at 95% level of significance

1% Critical value of 0.948 exceeds 0.199198
Evidence of non-normality at 99% level of significance

Shapiro-Wilks Test of Normality

Parameter: 2-Methylnaphthalene
All Locations
Normality Test of Parameter Concentrations
Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit
K = 8 for 16 measurements

i	x(i)	x(n-i+1)	x(n-1+1)-x(i)	a(n-i+1)	b(i)
1	1.3	1.6	0.3	0.5056	0.15168
2	1.3	1.3	0	0.329	0
3	1.3	1.3	0	0.2521	0
4	1.3	1.3	0	0.1939	0
5	1.3	1.3	0	0.1447	0
6	1.3	1.3	0	0.1005	0
7	1.3	1.3	0	0.0593	0
8	1.3	1.3	0	0.0196	0
9	1.3	1.3	0		
10	1.3	1.3	0		
11	1.3	1.3	0		
12	1.3	1.3	0		
13	1.3	1.3	0		
14	1.3	1.3	0		
15	1.3	1.3	0		
16	1.6	1.3	-0.3		

Sum of b values = 0.15168
Sample Standard Deviation = 0.075
W Statistic = 0.272673

5% Critical value of 0.887 exceeds 0.272673
Evidence of non-normality at 95% level of significance

1% Critical value of 0.844 exceeds 0.272673
Evidence of non-normality at 99% level of significance

Shapiro-Wilks Test of Normality

Parameter: o-Toluidine
All Locations
Normality Test of Parameter Concentrations
Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit
K = 8 for 16 measurements

i	x(i)	x(n-i+1)	x(n-1+1)-x(i)	a(n-i+1)	b(i)
1	1.5	2.5	1	0.5056	0.5056
2	1.5	1.5	0	0.329	0
3	1.5	1.5	0	0.2521	0
4	1.5	1.5	0	0.1939	0
5	1.5	1.5	0	0.1447	0
6	1.5	1.5	0	0.1005	0
7	1.5	1.5	0	0.0593	0
8	1.5	1.5	0	0.0196	0
9	1.5	1.5	0		
10	1.5	1.5	0		
11	1.5	1.5	0		
12	1.5	1.5	0		
13	1.5	1.5	0		
14	1.5	1.5	0		
15	1.5	1.5	0		
16	2.5	1.5	-1		

Sum of b values = 0.5056
Sample Standard Deviation = 0.25
W Statistic = 0.272673

5% Critical value of 0.887 exceeds 0.272673
Evidence of non-normality at 95% level of significance

1% Critical value of 0.844 exceeds 0.272673
Evidence of non-normality at 99% level of significance

Shapiro-Wilks Test of Normality

Parameter: 3 & 4 Methylphenol
All Locations
Normality Test of Parameter Concentrations
Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit
K = 8 for 16 measurements

i	x(i)	x(n-i+1)	x(n-1+1)-x(i)	a(n-i+1)	b(i)
1	1.8	2	0.2	0.5056	0.10112
2	1.8	1.8	0	0.329	0
3	1.8	1.8	0	0.2521	0
4	1.8	1.8	0	0.1939	0
5	1.8	1.8	0	0.1447	0
6	1.8	1.8	0	0.1005	0
7	1.8	1.8	0	0.0593	0
8	1.8	1.8	0	0.0196	0
9	1.8	1.8	0		
10	1.8	1.8	0		
11	1.8	1.8	0		
12	1.8	1.8	0		
13	1.8	1.8	0		
14	1.8	1.8	0		
15	1.8	1.8	0		
16	2	1.8	-0.2		

Sum of b values = 0.10112
Sample Standard Deviation = 0.05
W Statistic = 0.272673

5% Critical value of 0.887 exceeds 0.272673
Evidence of non-normality at 95% level of significance

1% Critical value of 0.844 exceeds 0.272673
Evidence of non-normality at 99% level of significance

Shapiro-Wilks Test of Normality

Parameter: Phenol
All Locations
Normality Test of Parameter Concentrations
Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit
K = 8 for 16 measurements

i	x(i)	x(n-i+1)	x(n-1+1)-x(i)	a(n-i+1)	b(i)
1	1.2	1.3	0.1	0.5056	0.05056
2	1.2	1.2	0	0.329	0
3	1.2	1.2	0	0.2521	0
4	1.2	1.2	0	0.1939	0
5	1.2	1.2	0	0.1447	0
6	1.2	1.2	0	0.1005	0
7	1.2	1.2	0	0.0593	0
8	1.2	1.2	0	0.0196	0
9	1.2	1.2	0		
10	1.2	1.2	0		
11	1.2	1.2	0		
12	1.2	1.2	0		
13	1.2	1.2	0		
14	1.2	1.2	0		
15	1.2	1.2	0		
16	1.3	1.2	-0.1		

Sum of b values = 0.05056
Sample Standard Deviation = 0.025
W Statistic = 0.272673

5% Critical value of 0.887 exceeds 0.272673
Evidence of non-normality at 95% level of significance

1% Critical value of 0.844 exceeds 0.272673
Evidence of non-normality at 99% level of significance

Shapiro-Wilks Test of Normality

Parameter: 2,4,5,-TP (Silvex)
All Locations
Normality Test of Parameter Concentrations
Original Data (Not Transformed)
Non-Detects Replaced with Detection Limit
K = 8 for 16 measurements

i	x(i)	x(n-i+1)	x(n-1+1)-x(i)	a(n-i+1)	b(i)
1	0.056	0.45	0.394	0.5056	0.199206
2	0.056	0.085	0.029	0.329	0.009541
3	0.056	0.056	0	0.2521	0
4	0.056	0.056	0	0.1939	0
5	0.056	0.056	0	0.1447	0
6	0.056	0.056	0	0.1005	0
7	0.056	0.056	0	0.0593	0
8	0.056	0.056	0	0.0196	0
9	0.056	0.056	0		
10	0.056	0.056	0		
11	0.056	0.056	0		
12	0.056	0.056	0		
13	0.056	0.056	0		
14	0.056	0.056	0		
15	0.085	0.056	-0.029		
16	0.45	0.056	-0.394		

Sum of b values = 0.208747
Sample Standard Deviation = 0.0982832
W Statistic = 0.300741

5% Critical value of 0.887 exceeds 0.300741
Evidence of non-normality at 95% level of significance

1% Critical value of 0.844 exceeds 0.300741
Evidence of non-normality at 99% level of significance

APPENDIX VI
Non-Parametric Tolerance Limit Test Results

Non-Parametric Tolerance Interval

Parameter: Barium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 74.5575%
Background measurements (n) = 68
Maximum Background Concentration = 1200
Minimum Coverage = 95.8%
Average Coverage = 98.5507%

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-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-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-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-5	3/25/1994	48	FALSE
II-5	7/6/1994	88	FALSE
II-5	9/9/1994	59	FALSE

II-5	3/17/1995	80	FALSE
II-5	7/11/1995	ND<500	FALSE
II-5	11/17/1995	ND<500	FALSE
II-5	1/5/1996	ND<500	FALSE
II-5	9/25/1996	ND<500	FALSE
II-5	3/26/1997	ND<500	FALSE
II-5	9/17/1997	ND<500	FALSE
II-5	5/5/1998	ND<500	FALSE
II-5	10/16/1998	ND<500	FALSE
II-5	3/26/1999	ND<500	FALSE
II-5	9/22/1999	ND<500	FALSE
II-5	3/27/2000	ND<500	FALSE
II-5	9/13/2000	ND<500	FALSE
II-5	3/12/2001	ND<500	FALSE
II-5	9/13/2001	ND<500	FALSE
II-5	3/7/2002	ND<500	FALSE
II-5	9/18/2002	ND<500	FALSE
II-5	4/15/2003	ND<500	FALSE
II-5	10/16/2003	ND<500	FALSE
II-5	3/24/2004	ND<500	FALSE
II-5	9/22/2004	ND<500	FALSE
II-5	5/11/2005	ND<500	FALSE
II-5	10/11/2005	ND<500	FALSE
II-5	4/24/2006	ND<500	FALSE
II-5	4/24/2006	ND<500	FALSE
II-5	10/19/2006	ND<500	FALSE
II-5	4/12/2007	131	FALSE
II-5	9/28/2007	ND<500	FALSE
II-5	4/30/2008	70.4	FALSE
II-5	12/2/2008	110	FALSE
II-5	2/13/2009	ND<500	FALSE
II-5	4/17/2009	71.6	FALSE
II-5	10/16/2009	124	FALSE
II-8	7/6/1994	18	FALSE
II-8	9/9/1994	60	FALSE
II-8	3/17/1995	19	FALSE
II-8	7/11/1995	ND<500	FALSE
II-8	11/17/1995	ND<500	FALSE
II-8	1/5/1996	ND<500	FALSE
II-8	9/25/1996	ND<500	FALSE
II-8	3/26/1997	ND<500	FALSE
II-8	9/17/1997	ND<500	FALSE
II-8	5/5/1998	ND<500	FALSE
II-8	10/16/1998	ND<500	FALSE
II-8	3/26/1999	ND<500	FALSE
II-8	9/22/1999	ND<500	FALSE
II-8	3/27/2000	ND<500	FALSE
II-8	9/13/2000	ND<500	FALSE
II-8	3/12/2001	ND<500	FALSE
II-8	9/13/2001	ND<500	FALSE
II-8	3/7/2002	ND<500	FALSE
II-8	9/18/2002	ND<500	FALSE
II-8	4/15/2003	ND<500	FALSE
II-8	10/16/2003	ND<500	FALSE
II-8	3/24/2004	ND<500	FALSE
II-8	9/22/2004	ND<500	FALSE
II-8	5/11/2005	ND<500	FALSE
II-8	10/11/2005	ND<500	FALSE
II-8	4/24/2006	ND<500	FALSE
II-8	4/24/2006	ND<500	FALSE
II-8	10/19/2006	ND<500	FALSE
II-8	4/12/2007	74.6	FALSE
II-8	9/28/2007	ND<500	FALSE
II-8	4/30/2008	79.7	FALSE
II-8	12/2/2008	86.8	FALSE
II-8	2/13/2009	ND<500	FALSE
II-8	4/17/2009	87.6	FALSE
II-8	10/16/2009	79.2	FALSE
I-5	9/9/1994	106	FALSE
I-5	3/17/1995	55	FALSE
I-5	7/11/1995	ND<500	FALSE
I-5	11/17/1995	ND<500	FALSE
I-5	1/5/1996	ND<500	FALSE
I-5	9/25/1996	ND<500	FALSE
I-5	3/26/1997	ND<500	FALSE
I-5	9/17/1997	ND<500	FALSE
I-5	5/5/1998	ND<500	FALSE
I-5	10/16/1998	ND<500	FALSE
I-5	3/26/1999	ND<500	FALSE
I-5	9/22/1999	ND<500	FALSE
I-5	3/27/2000	ND<500	FALSE
I-5	9/13/2000	ND<500	FALSE

I-5	3/12/2001	ND<500	FALSE
I-5	9/13/2001	ND<500	FALSE
I-5	3/7/2002	ND<500	FALSE
I-5	9/18/2002	ND<500	FALSE
I-5	4/15/2003	ND<500	FALSE
I-5	10/16/2003	ND<500	FALSE
I-5	3/24/2004	ND<500	FALSE
I-5	9/22/2004	ND<500	FALSE
I-5	5/11/2005	ND<500	FALSE
I-5	10/11/2005	ND<500	FALSE
I-5	4/24/2006	ND<500	FALSE
I-5	4/24/2006	ND<500	FALSE
I-5	10/19/2006	ND<500	FALSE
I-5	4/12/2007	83	FALSE
I-5	9/28/2007	ND<500	FALSE
I-5	4/30/2008	ND<500	FALSE
I-5	12/2/2008	ND<500	FALSE
I-5	2/13/2009	ND<500	FALSE
I-5	4/17/2009	ND<500	FALSE
I-5	10/16/2009	ND<500	FALSE
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-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-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-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-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-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-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

Non-Parametric Tolerance Interval

Parameter: Chromium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 75.885%
Background measurements (n) = 68
Maximum Background Concentration = 16
Minimum Coverage = 95.8%
Average Coverage = 98.5507%

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-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-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	16	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-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-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-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
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
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-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-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-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-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-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-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

Non-Parametric Tolerance Interval

Parameter: Cobalt

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 57.9646%
Background measurements (n) = 68
Maximum Background Concentration = 16
Minimum Coverage = 95.8%
Average Coverage = 98.5507%

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-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-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-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-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-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
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
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-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-7B	3/12/2001	ND<10	FALSE
II-7B	9/13/2001	ND<10	FALSE
II-7B	3/7/2002	ND<10	FALSE
II-7B	9/18/2002	ND<10	FALSE
II-7B	4/15/2003	ND<10	FALSE
II-7B	10/16/2003	ND<10	FALSE
II-7B	3/24/2004	ND<10	FALSE
II-7B	9/22/2004	ND<10	FALSE
II-7B	2/17/2005	ND<10	FALSE
II-7B	5/11/2005	ND<10	FALSE
II-7B	10/11/2005	ND<10	FALSE
II-7B	4/24/2006	ND<10	FALSE
II-7B	4/24/2006	ND<10	FALSE
II-7B	10/19/2006	ND<10	FALSE
II-7B	4/12/2007	ND<10	FALSE
II-7B	9/28/2007	ND<10	FALSE
II-7B	4/30/2008	ND<10	FALSE
II-7B	12/2/2008	ND<10	FALSE
II-7B	2/13/2009	ND<10	FALSE
II-7B	4/17/2009	ND<10	FALSE
II-7B	10/16/2009	ND<10	FALSE
II-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-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-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-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

Non-Parametric Tolerance Interval

Parameter: Copper

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 84.0708%
Background measurements (n) = 68
Maximum Background Concentration = 200
Minimum Coverage = 95.8%
Average Coverage = 98.5507%

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	4.78	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-3	3/25/1994	6	FALSE
II-3	7/6/1994	34	FALSE
II-3	9/9/1994	34	FALSE
II-3	3/17/1995	ND<200	FALSE
II-3	7/11/1995	ND<200	FALSE
II-3	11/17/1995	ND<200	FALSE
II-3	1/5/1996	ND<200	FALSE
II-3	9/25/1996	ND<200	FALSE
II-3	**3/26/1997**	**350**	**TRUE**
II-3	**9/17/1997**	**280**	**TRUE**
II-3	5/5/1998	ND<200	FALSE
II-3	10/16/1998	ND<200	FALSE
II-3	3/26/1999	ND<200	FALSE
II-3	9/22/1999	ND<200	FALSE
II-3	3/27/2000	ND<200	FALSE
II-3	9/13/2000	ND<200	FALSE
II-3	3/12/2001	ND<200	FALSE
II-3	9/13/2001	ND<200	FALSE
II-3	3/7/2002	ND<200	FALSE
II-3	9/18/2002	ND<200	FALSE
II-3	4/15/2003	ND<200	FALSE
II-3	10/16/2003	ND<200	FALSE
II-3	3/24/2004	ND<200	FALSE
II-3	9/22/2004	ND<200	FALSE
II-3	2/17/2005	ND<200	FALSE
II-3	5/11/2005	ND<200	FALSE
II-3	10/11/2005	ND<200	FALSE
II-3	4/24/2006	ND<200	FALSE
II-3	4/24/2006	ND<200	FALSE
II-3	10/19/2006	ND<200	FALSE
II-3	4/12/2007	0.6	FALSE
II-3	9/28/2007	ND<200	FALSE
II-3	4/30/2008	ND<200	FALSE
II-3	12/2/2008	ND<200	FALSE
II-3	2/13/2009	ND<200	FALSE
II-3	4/17/2009	3.4	FALSE
II-3	10/16/2009	2.31	FALSE
II-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-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-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

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
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-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-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-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-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-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-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

Non-Parametric Tolerance Interval

Parameter: Lead

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 92.2566%
Background measurements (n) = 68
Maximum Background Concentration = 12
Minimum Coverage = 95.8%
Average Coverage = 98.5507%

Location	Date	Value	Significant
II-1	3/25/1994	ND<10	FALSE
II-1	7/6/1994	2	FALSE
II-1	9/9/1994	2	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	11	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	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	1.7	FALSE
II-1	10/16/2009	17.2	TRUE
II-2	3/25/1994	ND<10	FALSE
II-2	7/6/1994	ND<10	FALSE
II-2	9/9/1994	7	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	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	3.2	FALSE
II-2	10/16/2009	ND<10	FALSE
II-3	3/25/1994	ND<10	FALSE
II-3	7/6/1994	ND<10	FALSE
II-3	9/9/1994	14	TRUE
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	11	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	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	3.3	FALSE
II-3	10/16/2009	ND<10	FALSE
II-4	3/25/1994	ND<10	FALSE
II-4	7/6/1994	ND<10	FALSE
II-4	9/9/1994	4	FALSE
II-4	3/17/1995	ND<10	FALSE
II-4	7/11/1995	15	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	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	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	3	FALSE
II-4	10/16/2009	1.93	FALSE
II-5	3/25/1994	ND<10	FALSE
II-5	7/6/1994	20	TRUE
II-5	9/9/1994	9	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	25	TRUE
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	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	2.5	FALSE
II-5	10/16/2009	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	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	3.1	FALSE
II-8	10/16/2009	ND<10	FALSE

I-5	9/9/1994	8	FALSE
I-5	3/17/1995	ND<10	FALSE
I-5	7/11/1995	18	TRUE
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	4/12/2007	ND<10	FALSE
I-5	9/28/2007	ND<10	FALSE
I-5	4/30/2008	ND<10	FALSE
I-5	12/2/2008	ND<10	FALSE
I-5	2/13/2009	ND<10	FALSE
I-5	4/17/2009	ND<10	FALSE
I-5	10/16/2009	ND<10	FALSE
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	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	4/12/2007	ND<10	FALSE
II-6	9/28/2007	ND<10	FALSE
II-6	4/30/2008	ND<10	FALSE
II-6	12/2/2008	ND<10	FALSE
II-6	2/13/2009	ND<10	FALSE
II-6	4/17/2009	ND<10	FALSE
II-6	10/16/2009	ND<10	FALSE
II-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	10	FALSE
II-7	3/26/1997	16	TRUE
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	ND<10	FALSE
II-7	10/16/2009	5.37	FALSE
II-7B	3/12/2001	ND<10	FALSE
II-7B	9/13/2001	ND<10	FALSE
II-7B	3/7/2002	ND<10	FALSE
II-7B	9/18/2002	ND<10	FALSE
II-7B	4/15/2003	ND<10	FALSE
II-7B	10/16/2003	ND<10	FALSE
II-7B	3/24/2004	ND<10	FALSE
II-7B	9/22/2004	ND<10	FALSE
II-7B	2/17/2005	ND<10	FALSE
II-7B	5/11/2005	ND<10	FALSE
II-7B	10/11/2005	ND<10	FALSE
II-7B	4/24/2006	ND<10	FALSE
II-7B	4/24/2006	ND<10	FALSE
II-7B	10/19/2006	ND<10	FALSE
II-7B	4/12/2007	ND<10	FALSE
II-7B	9/28/2007	ND<10	FALSE
II-7B	4/30/2008	ND<10	FALSE
II-7B	12/2/2008	ND<10	FALSE
II-7B	2/13/2009	ND<10	FALSE
II-7B	4/17/2009	ND<10	FALSE
II-7B	10/16/2009	ND<10	FALSE
II-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-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-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	5.3	FALSE
II-12	2/13/2009	ND<10	FALSE
II-12	4/17/2009	10.5	FALSE
II-12	10/16/2009	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

Non-Parametric Tolerance Interval

Parameter: Mercury

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 98.1087%
Background measurements (n) = 65
Maximum Background Concentration = 0.5
Minimum Coverage = 95.5%
Average Coverage = 98.4848%

Location	Date	Value	Significant
I-5	7/11/1995	3	TRUE
I-5	9/21/1995	ND<0.5	FALSE
I-5	11/17/1995	ND<0.5	FALSE
I-5	1/5/1996	ND<0.5	FALSE
I-5	9/25/1996	ND<0.5	FALSE
I-5	3/26/1997	ND<0.5	FALSE
I-5	9/17/1997	ND<0.5	FALSE
I-5	5/5/1998	ND<0.5	FALSE
I-5	10/16/1998	ND<0.5	FALSE
I-5	3/26/1999	ND<0.5	FALSE
I-5	9/22/1999	ND<0.5	FALSE
I-5	3/27/2000	ND<0.5	FALSE
I-5	9/13/2000	ND<0.5	FALSE
I-5	3/12/2001	ND<0.5	FALSE
I-5	9/13/2001	ND<0.5	FALSE
I-5	3/7/2002	ND<0.5	FALSE
I-5	9/18/2002	ND<0.5	FALSE
I-5	4/15/2003	ND<0.5	FALSE
I-5	10/16/2003	ND<0.5	FALSE
I-5	3/24/2004	ND<0.5	FALSE
I-5	9/22/2004	ND<0.5	FALSE
I-5	5/11/2005	ND<0.5	FALSE
I-5	10/11/2005	ND<0.5	FALSE
I-5	4/24/2006	ND<0.5	FALSE
I-5	4/24/2006	ND<0.5	FALSE
I-5	10/19/2006	ND<0.5	FALSE
I-5	4/12/2007	ND<0.5	FALSE
I-5	9/28/2007	ND<0.5	FALSE
I-5	4/30/2008	ND<0.5	FALSE
I-5	12/2/2008	ND<0.5	FALSE
I-5	2/13/2009	ND<0.5	FALSE
I-5	4/17/2009	ND<0.5	FALSE
I-5	10/16/2009	ND<0.5	FALSE
II-1	7/11/1995	ND<0.5	FALSE
II-1	9/21/1995	ND<0.5	FALSE
II-1	11/17/1995	ND<0.5	FALSE
II-1	1/5/1996	ND<0.5	FALSE
II-1	9/25/1996	ND<0.5	FALSE
II-1	3/26/1997	ND<0.5	FALSE
II-1	9/17/1997	ND<0.5	FALSE
II-1	5/5/1998	ND<0.5	FALSE
II-1	10/16/1998	ND<0.5	FALSE
II-1	3/26/1999	ND<0.5	FALSE
II-1	9/22/1999	ND<0.5	FALSE
II-1	3/27/2000	ND<0.5	FALSE
II-1	9/13/2000	ND<0.5	FALSE
II-1	3/12/2001	ND<0.5	FALSE
II-1	9/13/2001	ND<0.5	FALSE
II-1	3/7/2002	ND<0.5	FALSE
II-1	9/18/2002	ND<0.5	FALSE
II-1	4/15/2003	ND<0.5	FALSE
II-1	10/16/2003	ND<0.5	FALSE
II-1	3/24/2004	ND<0.5	FALSE
II-1	9/22/2004	ND<0.5	FALSE
II-1	5/11/2005	ND<0.5	FALSE
II-1	10/11/2005	ND<0.5	FALSE
II-1	4/24/2006	ND<0.5	FALSE
II-1	4/24/2006	ND<0.5	FALSE
II-1	10/19/2006	ND<0.5	FALSE
II-1	4/12/2007	ND<0.5	FALSE
II-1	9/28/2007	ND<0.5	FALSE
II-1	4/30/2008	ND<0.5	FALSE
II-1	12/2/2008	ND<0.5	FALSE
II-1	2/13/2009	ND<0.5	FALSE
II-1	4/17/2009	ND<0.5	FALSE
II-1	10/16/2009	0.0541	FALSE
II-2	7/11/1995	ND<0.5	FALSE
II-2	9/21/1995	ND<0.5	FALSE

II-2	11/17/1995	ND<0.5	FALSE
II-2	1/5/1996	ND<0.5	FALSE
II-2	9/25/1996	ND<0	FALSE
II-2	3/26/1997	ND<0.5	FALSE
II-2	9/17/1997	ND<0.5	FALSE
II-2	5/5/1998	ND<0.5	FALSE
II-2	10/16/1998	ND<0.5	FALSE
II-2	3/26/1999	ND<0.5	FALSE
II-2	9/22/1999	ND<0.5	FALSE
II-2	3/27/2000	ND<0.5	FALSE
II-2	9/13/2000	ND<0.5	FALSE
II-2	3/12/2001	ND<0.5	FALSE
II-2	9/13/2001	ND<0.5	FALSE
II-2	3/7/2002	ND<0.5	FALSE
II-2	9/18/2002	ND<0.5	FALSE
II-2	4/15/2003	ND<0.5	FALSE
II-2	10/16/2003	ND<0.5	FALSE
II-2	3/24/2004	ND<0.5	FALSE
II-2	9/22/2004	ND<0.5	FALSE
II-2	5/11/2005	ND<0.5	FALSE
II-2	10/11/2005	ND<0.5	FALSE
II-2	4/24/2006	ND<0.5	FALSE
II-2	4/24/2006	ND<0.5	FALSE
II-2	10/19/2006	ND<0.5	FALSE
II-2	4/12/2007	ND<0.5	FALSE
II-2	9/28/2007	ND<0.5	FALSE
II-2	4/30/2008	ND<0.5	FALSE
II-2	12/2/2008	ND<0.5	FALSE
II-2	2/13/2009	ND<0.5	FALSE
II-2	4/17/2009	ND<0.5	FALSE
II-2	10/16/2009	ND<0.5	FALSE
II-3	7/11/1995	ND<0.5	FALSE
II-3	9/21/1995	ND<0.5	FALSE
II-3	11/17/1995	ND<0.5	FALSE
II-3	1/5/1996	ND<0.5	FALSE
II-3	9/25/1996	ND<0.5	FALSE
II-3	3/26/1997	ND<0.5	FALSE
II-3	9/17/1997	ND<0.5	FALSE
II-3	5/5/1998	ND<0.5	FALSE
II-3	10/16/1998	ND<0.5	FALSE
II-3	3/26/1999	ND<0.5	FALSE
II-3	9/22/1999	ND<0.5	FALSE
II-3	3/27/2000	ND<0.5	FALSE
II-3	9/13/2000	ND<0.5	FALSE
II-3	3/12/2001	ND<0.5	FALSE
II-3	9/13/2001	ND<0.5	FALSE
II-3	3/7/2002	ND<0.5	FALSE
II-3	9/18/2002	ND<0.5	FALSE
II-3	4/15/2003	ND<0.5	FALSE
II-3	10/16/2003	ND<0.5	FALSE
II-3	3/24/2004	ND<0.5	FALSE
II-3	9/22/2004	ND<0.5	FALSE
II-3	5/11/2005	ND<0.5	FALSE
II-3	10/11/2005	ND<0.5	FALSE
II-3	4/24/2006	ND<0.5	FALSE
II-3	4/24/2006	ND<0.5	FALSE
II-3	10/19/2006	ND<0.5	FALSE
II-3	4/12/2007	ND<0.5	FALSE
II-3	9/28/2007	ND<0.5	FALSE
II-3	4/30/2008	ND<0.5	FALSE
II-3	12/2/2008	ND<0.5	FALSE
II-3	2/13/2009	ND<0.5	FALSE
II-3	4/17/2009	ND<0.5	FALSE
II-3	10/16/2009	0.144	FALSE
II-4	7/11/1995	ND<0.5	FALSE
II-4	9/21/1995	ND<0.5	FALSE
II-4	11/17/1995	ND<0.5	FALSE
II-4	1/5/1996	ND<0.5	FALSE
II-4	9/25/1996	ND<0.5	FALSE
II-4	3/26/1997	ND<0.5	FALSE
II-4	9/17/1997	ND<0.5	FALSE
II-4	5/5/1998	ND<0.5	FALSE
II-4	10/16/1998	ND<0.5	FALSE
II-4	3/26/1999	ND<0.5	FALSE
II-4	9/22/1999	ND<0.5	FALSE
II-4	3/27/2000	ND<0.5	FALSE
II-4	9/13/2000	ND<0.5	FALSE
II-4	3/12/2001	ND<0.5	FALSE
II-4	9/13/2001	ND<0.5	FALSE
II-4	3/7/2002	ND<0.5	FALSE
II-4	9/18/2002	ND<0.5	FALSE
II-4	4/15/2003	ND<0.5	FALSE

II-4	10/16/2003	ND<0.5	FALSE
II-4	3/24/2004	ND<0.5	FALSE
II-4	9/22/2004	ND<0.5	FALSE
II-4	5/11/2005	ND<0.5	FALSE
II-4	10/11/2005	ND<0.5	FALSE
II-4	4/24/2006	ND<0.5	FALSE
II-4	4/24/2006	ND<0.5	FALSE
II-4	10/19/2006	ND<0.5	FALSE
II-4	4/12/2007	ND<0.5	FALSE
II-4	9/28/2007	ND<0.5	FALSE
II-4	4/30/2008	ND<0.5	FALSE
II-4	12/2/2008	ND<0.5	FALSE
II-4	2/13/2009	ND<0.5	FALSE
II-4	4/17/2009	ND<0.5	FALSE
II-4	10/16/2009	ND<0.5	FALSE
II-5	7/11/1995	ND<0.5	FALSE
II-5	9/21/1995	ND<0.5	FALSE
II-5	11/17/1995	ND<0.5	FALSE
II-5	1/5/1996	ND<0.5	FALSE
II-5	**9/25/1996**	**1.9**	**TRUE**
II-5	**3/26/1997**	**0.7**	**TRUE**
II-5	**9/17/1997**	**1.3**	**TRUE**
II-5	5/5/1998	ND<0.5	FALSE
II-5	10/16/1998	ND<0.5	FALSE
II-5	3/26/1999	ND<0.5	FALSE
II-5	9/22/1999	ND<0.5	FALSE
II-5	3/27/2000	ND<0.5	FALSE
II-5	9/13/2000	ND<0.5	FALSE
II-5	3/12/2001	ND<0.5	FALSE
II-5	9/13/2001	ND<0.5	FALSE
II-5	3/7/2002	ND<0.5	FALSE
II-5	9/18/2002	ND<0.5	FALSE
II-5	4/15/2003	ND<0.5	FALSE
II-5	10/16/2003	ND<0.5	FALSE
II-5	3/24/2004	ND<0.5	FALSE
II-5	9/22/2004	ND<0.5	FALSE
II-5	5/11/2005	ND<0.5	FALSE
II-5	10/11/2005	ND<0.5	FALSE
II-5	4/24/2006	ND<0.5	FALSE
II-5	4/24/2006	ND<0.5	FALSE
II-5	10/19/2006	ND<0.5	FALSE
II-5	4/12/2007	ND<0.5	FALSE
II-5	9/28/2007	ND<0.5	FALSE
II-5	4/30/2008	ND<0.5	FALSE
II-5	12/2/2008	ND<0.5	FALSE
II-5	2/13/2009	ND<0.5	FALSE
II-5	4/17/2009	ND<0.5	FALSE
II-5	10/16/2009	ND<0.5	FALSE
II-6	7/11/1995	ND<0.5	FALSE
II-6	9/21/1995	ND<0.5	FALSE
II-6	11/17/1995	ND<0.5	FALSE
II-6	1/5/1996	ND<0.5	FALSE
II-6	9/25/1996	ND<0.5	FALSE
II-6	3/26/1997	ND<0.5	FALSE
II-6	9/17/1997	ND<0.5	FALSE
II-6	5/5/1998	ND<0.5	FALSE
II-6	10/16/1998	ND<0.5	FALSE
II-6	3/26/1999	ND<0.5	FALSE
II-6	9/22/1999	ND<0.5	FALSE
II-6	3/27/2000	ND<0.5	FALSE
II-6	9/13/2000	ND<0.5	FALSE
II-6	3/12/2001	ND<0.5	FALSE
II-6	9/13/2001	ND<0.5	FALSE
II-6	3/7/2002	ND<0.5	FALSE
II-6	9/18/2002	ND<0.5	FALSE
II-6	4/15/2003	ND<0.5	FALSE
II-6	10/16/2003	ND<0.5	FALSE
II-6	3/24/2004	ND<0.5	FALSE
II-6	9/22/2004	ND<0.5	FALSE
II-6	5/11/2005	ND<0.5	FALSE
II-6	10/11/2005	ND<0.5	FALSE
II-6	4/24/2006	ND<0.5	FALSE
II-6	4/24/2006	ND<0.5	FALSE
II-6	10/19/2006	ND<0.5	FALSE
II-6	4/12/2007	ND<0.5	FALSE
II-6	9/28/2007	ND<0.5	FALSE
II-6	4/30/2008	ND<0.5	FALSE
II-6	12/2/2008	ND<0.5	FALSE
II-6	2/13/2009	ND<0.5	FALSE
II-6	4/17/2009	ND<0.5	FALSE
II-6	10/16/2009	ND<0.5	FALSE

II-7	7/11/1995	1.2	TRUE
II-7	9/21/1995	ND<0.5	FALSE
II-7	11/17/1995	ND<0.5	FALSE
II-7	1/5/1996	ND<0.5	FALSE
II-7	9/25/1996	ND<0.5	FALSE
II-7	3/26/1997	ND<0.5	FALSE
II-7	9/17/1997	ND<0.5	FALSE
II-7	5/5/1998	ND<0.5	FALSE
II-7	10/16/1998	ND<0.5	FALSE
II-7	3/26/1999	ND<0.5	FALSE
II-7	9/22/1999	ND<0.5	FALSE
II-7	3/27/2000	ND<0.5	FALSE
II-7	9/13/2000	ND<0.5	FALSE
II-7	3/12/2001	ND<0.5	FALSE
II-7	9/13/2001	ND<0.5	FALSE
II-7	3/7/2002	ND<0.5	FALSE
II-7	9/18/2002	ND<0.5	FALSE
II-7	4/15/2003	ND<0.5	FALSE
II-7	10/16/2003	ND<0.5	FALSE
II-7	3/24/2004	ND<0.5	FALSE
II-7	9/22/2004	ND<0.5	FALSE
II-7	5/11/2005	ND<0.5	FALSE
II-7	10/11/2005	ND<0.5	FALSE
II-7	4/24/2006	ND<0.5	FALSE
II-7	4/24/2006	ND<0.5	FALSE
II-7	10/19/2006	ND<0.5	FALSE
II-7	4/12/2007	ND<0.5	FALSE
II-7	9/28/2007	ND<0.5	FALSE
II-7	4/30/2008	ND<0.5	FALSE
II-7	12/2/2008	ND<0.5	FALSE
II-7	2/13/2009	ND<0.5	FALSE
II-7	4/17/2009	ND<0.5	FALSE
II-7	10/16/2009	ND<0.5	FALSE
II-8	7/11/1995	ND<0.5	FALSE
II-8	9/21/1995	ND<0.5	FALSE
II-8	11/17/1995	ND<0.5	FALSE
II-8	1/5/1996	ND<0.5	FALSE
II-8	9/25/1996	ND<0.5	FALSE
II-8	3/26/1997	ND<0.5	FALSE
II-8	9/17/1997	ND<0.5	FALSE
II-8	5/5/1998	ND<0.5	FALSE
II-8	10/16/1998	ND<0.5	FALSE
II-8	3/26/1999	ND<0.5	FALSE
II-8	9/22/1999	ND<0.5	FALSE
II-8	3/27/2000	ND<0.5	FALSE
II-8	9/13/2000	ND<0.5	FALSE
II-8	3/12/2001	ND<0.5	FALSE
II-8	9/13/2001	ND<0.5	FALSE
II-8	3/7/2002	ND<0.5	FALSE
II-8	9/18/2002	ND<0.5	FALSE
II-8	4/15/2003	ND<0.5	FALSE
II-8	10/16/2003	ND<0.5	FALSE
II-8	3/24/2004	ND<0.5	FALSE
II-8	9/22/2004	ND<0.5	FALSE
II-8	5/11/2005	ND<0.5	FALSE
II-8	10/11/2005	ND<0.5	FALSE
II-8	4/24/2006	ND<0.5	FALSE
II-8	4/24/2006	ND<0.5	FALSE
II-8	10/19/2006	ND<0.5	FALSE
II-8	4/12/2007	ND<0.5	FALSE
II-8	9/28/2007	ND<0.5	FALSE
II-8	4/30/2008	ND<0.5	FALSE
II-8	12/2/2008	ND<0.5	FALSE
II-8	2/13/2009	ND<0.5	FALSE
II-8	4/17/2009	ND<0.5	FALSE
II-8	10/16/2009	0.239	FALSE
II-7B	9/13/2001	ND<0.5	FALSE
II-7B	9/18/2002	ND<0.5	FALSE
II-7B	10/16/2003	ND<0.5	FALSE
II-7B	3/24/2004	ND<0.5	FALSE
II-7B	9/22/2004	ND<0.5	FALSE
II-7B	5/11/2005	ND<0.5	FALSE
II-7B	10/11/2005	ND<0.5	FALSE
II-7B	4/24/2006	ND<0.5	FALSE
II-7B	4/24/2006	ND<0.5	FALSE
II-7B	10/19/2006	ND<0.5	FALSE
II-7B	4/12/2007	ND<0.5	FALSE
II-7B	9/28/2007	ND<0.5	FALSE
II-7B	4/30/2008	ND<0.5	FALSE
II-7B	12/2/2008	ND<0.5	FALSE
II-7B	2/13/2009	ND<0.5	FALSE

II-7B	4/17/2009	ND<0.5	FALSE
II-7B	10/16/2009	ND<0.5	FALSE
II-10	5/11/2005	ND<0.5	FALSE
II-10	4/24/2006	ND<0.5	FALSE
II-10	4/24/2006	ND<0.5	FALSE
II-10	10/19/2006	ND<0.5	FALSE
II-10	4/12/2007	ND<0.5	FALSE
II-10	9/28/2007	ND<0.5	FALSE
II-10	4/30/2008	ND<0.5	FALSE
II-10	12/2/2008	ND<0.5	FALSE
II-10	2/13/2009	ND<0.5	FALSE
II-10	4/17/2009	ND<0.5	FALSE
II-10	10/16/2009	ND<0.5	FALSE
II-11	5/11/2005	ND<0.5	FALSE
II-11	4/24/2006	ND<0.5	FALSE
II-11	4/24/2006	ND<0.5	FALSE
II-11	10/19/2006	ND<0.5	FALSE
II-11	4/12/2007	ND<0.5	FALSE
II-11	9/28/2007	ND<0.5	FALSE
II-11	4/30/2008	ND<0.5	FALSE
II-11	12/2/2008	ND<0.5	FALSE
II-11	2/13/2009	ND<0.5	FALSE
II-11	4/17/2009	ND<0.5	FALSE
II-11	10/16/2009	ND<0.5	FALSE
II-12	5/11/2005	ND<0.5	FALSE
II-12	4/24/2006	ND<0.5	FALSE
II-12	4/24/2006	ND<0.5	FALSE
II-12	10/19/2006	ND<0.5	FALSE
II-12	4/12/2007	ND<0.5	FALSE
II-12	9/28/2007	ND<0.5	FALSE
II-12	4/30/2008	ND<0.5	FALSE
II-12	12/2/2008	ND<0.5	FALSE
II-12	2/13/2009	ND<0.5	FALSE
II-12	4/17/2009	ND<0.5	FALSE
II-12	10/16/2009	ND<0.5	FALSE
II-9	5/11/2005	ND<0.5	FALSE
II-9	4/24/2006	ND<0.5	FALSE
II-9	4/24/2006	ND<0.5	FALSE
II-9	10/19/2006	ND<0.5	FALSE
II-9	4/12/2007	ND<0.5	FALSE
II-9	9/28/2007	ND<0.5	FALSE
II-9	4/30/2008	ND<0.5	FALSE
II-9	12/2/2008	ND<0.5	FALSE
II-9	2/13/2009	ND<0.5	FALSE
II-9	4/17/2009	ND<0.5	FALSE
II-9	10/16/2009	ND<0.5	FALSE

Non-Parametric Tolerance Interval

Parameter: Vanadium

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 75%
Background measurements (n) = 68
Maximum Background Concentration = 160
Minimum Coverage = 95.8%
Average Coverage = 98.5507%

Location	Date	Value	Significant
II-1	3/25/1994	68	FALSE
II-1	7/6/1994	69	FALSE
II-1	9/9/1994	51	FALSE
II-1	3/17/1995	11	FALSE
II-1	7/11/1995	78	FALSE
II-1	11/17/1995	98	FALSE
II-1	1/5/1996	53	FALSE
II-1	9/25/1996	77	FALSE
II-1	3/26/1997	43	FALSE
II-1	9/17/1997	44	FALSE
II-1	5/5/1998	48	FALSE
II-1	10/16/1998	340	TRUE
II-1	3/26/1999	62	FALSE
II-1	9/22/1999	ND<40	FALSE
II-1	3/27/2000	76	FALSE
II-1	9/13/2000	ND<40	FALSE
II-1	3/12/2001	44	FALSE
II-1	9/13/2001	ND<40	FALSE
II-1	3/7/2002	ND<44	FALSE
II-1	9/18/2002	ND<40	FALSE
II-1	4/15/2003	ND<40	FALSE
II-1	10/16/2003	ND<40	FALSE
II-1	3/24/2004	ND<40	FALSE
II-1	9/22/2004	ND<40	FALSE
II-1	2/17/2005	ND<40	FALSE
II-1	5/11/2005	ND<40	FALSE
II-1	10/11/2005	ND<40	FALSE
II-1	4/24/2006	ND<40	FALSE
II-1	4/24/2006	ND<40	FALSE
II-1	10/19/2006	ND<40	FALSE
II-1	4/12/2007	ND<40	FALSE
II-1	9/28/2007	ND<40	FALSE
II-1	4/30/2008	ND<40	FALSE
II-1	12/2/2008	ND<40	FALSE
II-1	2/13/2009	ND<40	FALSE
II-1	4/17/2009	ND<40	FALSE
II-1	10/16/2009	ND<40	FALSE
II-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-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-4	3/25/1994	ND<40	FALSE
II-4	7/6/1994	ND<40	FALSE
II-4	**9/9/1994**	**208**	**TRUE**
II-4	3/17/1995	ND<40	FALSE
II-4	**7/11/1995**	**250**	**TRUE**
II-4	11/17/1995	ND<40	FALSE
II-4	1/5/1996	ND<40	FALSE
II-4	9/25/1996	ND<40	FALSE
II-4	3/26/1997	130	FALSE
II-4	9/17/1997	110	FALSE
II-4	5/5/1998	110	FALSE
II-4	10/16/1998	ND<40	FALSE
II-4	3/26/1999	50	FALSE
II-4	9/22/1999	40	FALSE
II-4	3/27/2000	86	FALSE
II-4	9/13/2000	ND<40	FALSE
II-4	3/12/2001	ND<40	FALSE
II-4	9/13/2001	ND<40	FALSE
II-4	3/7/2002	ND<40	FALSE
II-4	9/18/2002	ND<40	FALSE
II-4	4/15/2003	ND<40	FALSE
II-4	10/16/2003	ND<40	FALSE
II-4	3/24/2004	ND<40	FALSE
II-4	9/22/2004	ND<40	FALSE
II-4	5/11/2005	40	FALSE
II-4	10/11/2005	42	FALSE
II-4	4/24/2006	63.2	FALSE
II-4	4/24/2006	63.2	FALSE
II-4	10/19/2006	113	FALSE
II-4	4/12/2007	55.8	FALSE
II-4	9/28/2007	ND<40	FALSE
II-4	**4/30/2008**	**524**	**TRUE**
II-4	12/2/2008	104	FALSE
II-4	2/13/2009	ND<40	FALSE
II-4	4/17/2009	14.4	FALSE
II-4	10/16/2009	79.1	FALSE
II-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-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
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
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-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-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-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-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-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-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

Non-Parametric Tolerance Interval

Parameter: Zinc

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 74.115%
Background measurements (n) = 68
Maximum Background Concentration = 310
Minimum Coverage = 95.8%
Average Coverage = 98.5507%

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-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-3	3/25/1994	22	FALSE
II-3	7/6/1994	38	FALSE
II-3	9/9/1994	36	FALSE
II-3	3/17/1995	18	FALSE
II-3	7/11/1995	95	FALSE
II-3	11/17/1995	ND<50	FALSE
II-3	1/5/1996	ND<50	FALSE
II-3	9/25/1996	82	FALSE
II-3	3/26/1997	250	FALSE
II-3	9/17/1997	190	FALSE
II-3	5/5/1998	ND<50	FALSE
II-3	10/16/1998	ND<50	FALSE
II-3	3/26/1999	ND<50	FALSE
II-3	9/22/1999	ND<50	FALSE
II-3	3/27/2000	ND<50	FALSE
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-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	48.5	FALSE
II-4	9/28/2007	ND<50	FALSE
II-4	**4/30/2008**	**579**	**TRUE**
II-4	12/2/2008	121	FALSE
II-4	2/13/2009	ND<50	FALSE
II-4	4/17/2009	21.6	FALSE
II-4	10/16/2009	91.1	FALSE
II-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-8	7/6/1994	5	FALSE
II-8	9/9/1994	25	FALSE
II-8	3/17/1995	20	FALSE
II-8	7/11/1995	62	FALSE
II-8	11/17/1995	130	FALSE
II-8	1/5/1996	60	FALSE
II-8	9/25/1996	ND<50	FALSE
II-8	3/26/1997	560	TRUE
II-8	9/17/1997	230	FALSE
II-8	5/5/1998	63	FALSE
II-8	10/16/1998	75	FALSE
II-8	3/26/1999	ND<50	FALSE
II-8	9/22/1999	ND<50	FALSE
II-8	3/27/2000	ND<50	FALSE
II-8	9/13/2000	ND<50	FALSE
II-8	3/12/2001	ND<50	FALSE
II-8	9/13/2001	ND<50	FALSE
II-8	3/7/2002	ND<50	FALSE
II-8	9/18/2002	ND<50	FALSE
II-8	4/15/2003	ND<50	FALSE
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
I-5	9/9/1994	48	FALSE
I-5	3/17/1995	11	FALSE
I-5	7/11/1995	400	TRUE
I-5	11/17/1995	134	FALSE
I-5	1/5/1996	119	FALSE
I-5	9/25/1996	72	FALSE
I-5	3/26/1997	200	FALSE
I-5	9/17/1997	230	FALSE
I-5	5/5/1998	ND<50	FALSE
I-5	10/16/1998	ND<50	FALSE
I-5	3/26/1999	ND<50	FALSE
I-5	9/22/1999	ND<50	FALSE
I-5	3/27/2000	ND<50	FALSE
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	9/18/2002	ND<50	FALSE
I-5	4/15/2003	ND<50	FALSE
I-5	10/16/2003	ND<50	FALSE
I-5	3/24/2004	ND<50	FALSE
I-5	9/22/2004	ND<50	FALSE
I-5	5/11/2005	ND<50	FALSE
I-5	10/11/2005	ND<50	FALSE
I-5	4/24/2006	ND<50	FALSE
I-5	4/24/2006	ND<50	FALSE
I-5	10/19/2006	ND<50	FALSE
I-5	4/12/2007	ND<50	FALSE
I-5	9/28/2007	ND<50	FALSE
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
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-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-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-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-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-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-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

Non-Parametric Tolerance Interval

Parameter: Vinyl chloride

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 97.0085%
Background measurements (n) = 70
Maximum Background Concentration = 10
Minimum Coverage = 95.8%
Average Coverage = 98.5915%

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-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-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-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-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-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
I-5	9/9/1994	ND<10	FALSE
I-5	3/17/1995	ND<10	FALSE
I-5	7/11/1995	ND<10	FALSE
I-5	11/17/1995	ND<10	FALSE
I-5	1/5/1996	ND<10	FALSE
I-5	9/25/1996	ND<10	FALSE
I-5	3/26/1997	ND<10	FALSE
I-5	9/17/1997	ND<10	FALSE

I-5	5/5/1998	ND<10	FALSE
I-5	10/16/1998	ND<10	FALSE
I-5	3/26/1999	ND<10	FALSE
I-5	9/22/1999	ND<10	FALSE
I-5	3/27/2000	ND<10	FALSE
I-5	9/13/2000	ND<10	FALSE
I-5	3/12/2001	ND<10	FALSE
I-5	9/13/2001	ND<10	FALSE
I-5	3/7/2002	ND<10	FALSE
I-5	9/18/2002	ND<10	FALSE
I-5	4/15/2003	ND<10	FALSE
I-5	10/16/2003	ND<10	FALSE
I-5	3/24/2004	ND<10	FALSE
I-5	9/22/2004	ND<10	FALSE
I-5	5/11/2005	ND<10	FALSE
I-5	10/11/2005	ND<10	FALSE
I-5	4/24/2006	ND<10	FALSE
I-5	4/24/2006	ND<10	FALSE
I-5	10/19/2006	ND<10	FALSE
I-5	10/19/2006	ND<10	FALSE
I-5	4/12/2007	ND<10	FALSE
I-5	9/28/2007	ND<10	FALSE
I-5	4/30/2008	ND<10	FALSE
I-5	12/2/2008	ND<10	FALSE
I-5	2/13/2009	ND<10	FALSE
I-5	4/17/2009	ND<10	FALSE
I-5	10/16/2009	ND<10	FALSE
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	9/28/2007	ND<10	FALSE
II-6	4/30/2008	ND<10	FALSE
II-6	12/2/2008	ND<10	FALSE
II-6	2/13/2009	ND<10	FALSE
II-6	4/17/2009	ND<10	FALSE
II-6	10/16/2009	ND<10	FALSE
II-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-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-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-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-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-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

Non-Parametric Tolerance Interval

Parameter: Trichlorofluoromethane

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 93.5897%
Background measurements (n) = 70
Maximum Background Concentration = 5
Minimum Coverage = 95.8%
Average Coverage = 98.5915%

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-2	3/25/1994	ND<5	FALSE
II-2	7/6/1994	ND<5	FALSE
II-2	9/9/1994	ND<5	FALSE
II-2	3/17/1995	ND<5	FALSE
II-2	7/11/1995	ND<5	FALSE
II-2	11/17/1995	ND<5	FALSE
II-2	1/5/1996	ND<5	FALSE
II-2	9/25/1996	16	TRUE
II-2	3/26/1997	ND<5	FALSE
II-2	9/17/1997	26	TRUE
II-2	5/5/1998	11	TRUE
II-2	10/16/1998	27	TRUE
II-2	3/26/1999	34	TRUE
II-2	9/22/1999	30	TRUE
II-2	3/27/2000	14	TRUE
II-2	9/13/2000	20	TRUE
II-2	3/12/2001	14	TRUE
II-2	9/13/2001	23	TRUE
II-2	3/7/2002	17	TRUE
II-2	9/18/2002	16	TRUE
II-2	4/15/2003	5.2	TRUE
II-2	10/16/2003	14	TRUE
II-2	3/24/2004	5.6	TRUE
II-2	9/22/2004	21	TRUE
II-2	2/17/2005	14	TRUE
II-2	5/11/2005	7	TRUE
II-2	10/11/2005	10	TRUE
II-2	4/24/2006	12.3	TRUE
II-2	4/24/2006	12.3	TRUE
II-2	10/19/2006	13	TRUE
II-2	10/19/2006	13	TRUE
II-2	4/12/2007	6.5	TRUE

II-2	9/28/2007	ND<5	FALSE
II-2	4/30/2008	4.2	FALSE
II-2	12/2/2008	3.9	FALSE
II-2	2/13/2009	ND<5	FALSE
II-2	4/17/2009	2.5	FALSE
II-2	10/16/2009	4.1	FALSE
II-3	3/25/1994	ND<5	FALSE
II-3	7/6/1994	ND<5	FALSE
II-3	9/9/1994	ND<5	FALSE
II-3	3/17/1995	ND<5	FALSE
II-3	7/11/1995	ND<5	FALSE
II-3	11/17/1995	ND<5	FALSE
II-3	1/5/1996	ND<5	FALSE
II-3	9/25/1996	ND<5	FALSE
II-3	3/26/1997	ND<5	FALSE
II-3	9/17/1997	ND<5	FALSE
II-3	5/5/1998	ND<5	FALSE
II-3	10/16/1998	ND<5	FALSE
II-3	3/26/1999	ND<5	FALSE
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II-3	3/27/2000	ND<5	FALSE
II-3	9/13/2000	ND<5	FALSE
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II-3	3/7/2002	ND<5	FALSE
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
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II-3	12/2/2008	ND<5	FALSE
II-3	2/13/2009	ND<5	FALSE
II-3	4/17/2009	ND<5	FALSE
II-3	10/16/2009	ND<5	FALSE
II-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-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-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

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
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
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II-6	10/11/2005	ND<5	FALSE
II-6	4/24/2006	ND<5	FALSE
II-6	4/24/2006	ND<5	FALSE
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II-6	10/19/2006	ND<5	FALSE
II-6	4/12/2007	ND<5	FALSE
II-6	9/28/2007	ND<5	FALSE
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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-7	3/17/1995	ND<5	FALSE
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II-7	1/5/1996	ND<5	FALSE
II-7	9/25/1996	ND<5	FALSE
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II-7	9/17/1997	ND<5	FALSE
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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-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-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-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-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-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

Non-Parametric Tolerance Interval

Parameter: 1,1-Dichloroethane

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 74.1453%
Background measurements (n) = 70
Maximum Background Concentration = 5
Minimum Coverage = 95.8%
Average Coverage = 98.5915%

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-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-3	3/25/1994	ND<5	FALSE
II-3	7/6/1994	ND<5	FALSE
II-3	9/9/1994	ND<5	FALSE
II-3	3/17/1995	ND<5	FALSE
II-3	7/11/1995	ND<5	FALSE
II-3	11/17/1995	ND<5	FALSE
II-3	1/5/1996	ND<5	FALSE
II-3	9/25/1996	ND<5	FALSE
II-3	3/26/1997	ND<5	FALSE
II-3	9/17/1997	ND<5	FALSE
II-3	5/5/1998	ND<5	FALSE
II-3	10/16/1998	ND<5	FALSE
II-3	3/26/1999	ND<5	FALSE
II-3	9/22/1999	ND<5	FALSE
II-3	3/27/2000	ND<5	FALSE
II-3	9/13/2000	ND<5	FALSE
II-3	3/12/2001	ND<5	FALSE
II-3	9/13/2001	7	TRUE
II-3	3/7/2002	ND<5	FALSE
II-3	9/18/2002	ND<5	FALSE
II-3	4/15/2003	ND<5	FALSE
II-3	10/16/2003	ND<5	FALSE
II-3	3/24/2004	ND<5	FALSE
II-3	9/22/2004	5.4	TRUE
II-3	2/17/2005	ND<5	FALSE
II-3	5/11/2005	6	TRUE
II-3	10/11/2005	6	TRUE
II-3	4/24/2006	ND<5	FALSE
II-3	4/24/2006	ND<5	FALSE
II-3	10/19/2006	7.3	TRUE
II-3	10/19/2006	7.3	TRUE
II-3	4/12/2007	6.9	TRUE
II-3	9/28/2007	ND<5	FALSE
II-3	4/30/2008	12	TRUE
II-3	12/2/2008	14	TRUE
II-3	2/13/2009	ND<5	FALSE
II-3	4/17/2009	12	TRUE
II-3	10/16/2009	12	TRUE
II-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-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-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
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
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-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-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-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-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-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-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

Non-Parametric Tolerance Interval

Parameter: cis-1,2-Dichloroethene (-ethylene)

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 91.6667%
Background measurements (n) = 70
Maximum Background Concentration = 5
Minimum Coverage = 95.8%
Average Coverage = 98.5915%

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-2	3/25/1994	ND<5	FALSE
II-2	7/6/1994	ND<5	FALSE
II-2	9/9/1994	ND<5	FALSE
II-2	3/17/1995	ND<5	FALSE
II-2	7/11/1995	ND<5	FALSE
II-2	11/17/1995	ND<5	FALSE
II-2	1/5/1996	ND<5	FALSE
II-2	9/25/1996	ND<5	FALSE
II-2	3/26/1997	ND<5	FALSE
II-2	9/17/1997	ND<5	FALSE
II-2	5/5/1998	ND<5	FALSE
II-2	10/16/1998	ND<5	FALSE
II-2	3/26/1999	ND<5	FALSE
II-2	9/22/1999	ND<5	FALSE
II-2	3/27/2000	ND<5	FALSE
II-2	9/13/2000	ND<5	FALSE
II-2	3/12/2001	ND<5	FALSE
II-2	9/13/2001	ND<5	FALSE
II-2	3/7/2002	ND<5	FALSE
II-2	9/18/2002	ND<5	FALSE
II-2	4/15/2003	ND<5	FALSE
II-2	10/16/2003	ND<5	FALSE
II-2	3/24/2004	ND<5	FALSE
II-2	**9/22/2004**	**5.2**	**TRUE**
II-2	**2/17/2005**	**7**	**TRUE**
II-2	5/11/2005	ND<5	FALSE
II-2	10/11/2005	5	FALSE
II-2	4/24/2006	ND<5	FALSE
II-2	4/24/2006	ND<5	FALSE
II-2	**10/19/2006**	**7.9**	**TRUE**
II-2	**10/19/2006**	**7.9**	**TRUE**
II-2	**4/12/2007**	**6.8**	**TRUE**

II-2	9/28/2007	ND<5	FALSE
II-2	**4/30/2008**	**12**	**TRUE**
II-2	**12/2/2008**	**11**	**TRUE**
II-2	2/13/2009	ND<5	FALSE
II-2	**4/17/2009**	**11**	**TRUE**
II-2	**10/16/2009**	**20**	**TRUE**
II-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-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-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-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
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
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-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-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-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-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-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-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

Non-Parametric Tolerance Interval

Parameter: Benzene

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 95.0855%
Background measurements (n) = 70
Maximum Background Concentration = 5
Minimum Coverage = 95.8%
Average Coverage = 98.5915%

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-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-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
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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-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
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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
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II-4	5/11/2005	ND<5	FALSE
II-4	10/11/2005	ND<5	FALSE
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II-4	4/24/2006	ND<5	FALSE
II-4	10/19/2006	ND<5	FALSE
II-4	10/19/2006	ND<5	FALSE
II-4	4/12/2007	ND<5	FALSE
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II-4	4/30/2008	ND<5	FALSE
II-4	12/2/2008	ND<5	FALSE
II-4	2/13/2009	ND<5	FALSE
II-4	4/17/2009	ND<5	FALSE
II-4	10/16/2009	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
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II-5	3/26/1997	ND<5	FALSE
II-5	9/17/1997	ND<5	FALSE
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II-5	10/16/1998	ND<5	FALSE
II-5	3/26/1999	ND<5	FALSE
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II-5	3/7/2002	ND<5	FALSE
II-5	9/18/2002	ND<5	FALSE
II-5	4/15/2003	ND<5	FALSE
II-5	10/16/2003	ND<5	FALSE
II-5	3/24/2004	ND<5	FALSE
II-5	9/22/2004	ND<5	FALSE
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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-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
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
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-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-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-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-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-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-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

Non-Parametric Tolerance Interval

Parameter: Tetrachloroethene (-ethylene)

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 92.5214%
Background measurements (n) = 70
Maximum Background Concentration = 5
Minimum Coverage = 95.8%
Average Coverage = 98.5915%

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-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-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-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-5	3/25/1994	ND<5	FALSE
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II-5	3/17/1995	ND<5	FALSE
II-5	7/11/1995	ND<5	FALSE
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II-5	3/12/2001	ND<5	FALSE
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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-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
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II-8	3/26/1997	ND<5	FALSE
II-8	9/17/1997	ND<5	FALSE
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II-8	3/12/2001	ND<5	FALSE
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II-8	3/7/2002	ND<5	FALSE
II-8	9/18/2002	ND<5	FALSE
II-8	4/15/2003	ND<5	FALSE
II-8	10/16/2003	ND<5	FALSE
II-8	3/24/2004	ND<5	FALSE
II-8	9/22/2004	ND<5	FALSE
II-8	5/11/2005	ND<5	FALSE
II-8	10/11/2005	ND<5	FALSE
II-8	4/24/2006	ND<5	FALSE
II-8	4/24/2006	ND<5	FALSE
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II-8	10/19/2006	ND<5	FALSE
II-8	4/12/2007	ND<5	FALSE
II-8	9/28/2007	ND<5	FALSE
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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
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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
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I-5	3/7/2002	ND<5	FALSE
I-5	9/18/2002	ND<5	FALSE
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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
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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
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-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-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-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-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-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-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

Non-Parametric Tolerance Interval

Parameter: Trichloroethene (-ethylene)

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 95.7265%
Background measurements (n) = 70
Maximum Background Concentration = 5
Minimum Coverage = 95.8%
Average Coverage = 98.5915%

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-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-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-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
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II-4	10/19/2006	ND<5	FALSE
II-4	4/12/2007	ND<5	FALSE
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II-4	4/30/2008	ND<5	FALSE
II-4	12/2/2008	ND<5	FALSE
II-4	2/13/2009	ND<5	FALSE
II-4	4/17/2009	ND<5	FALSE
II-4	10/16/2009	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
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II-5	3/12/2001	ND<5	FALSE
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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
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II-5	4/12/2007	ND<5	FALSE
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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-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
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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
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I-5	3/17/1995	ND<5	FALSE
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I-5	11/17/1995	ND<5	FALSE
I-5	1/5/1996	ND<5	FALSE
I-5	9/25/1996	ND<5	FALSE
I-5	3/26/1997	ND<5	FALSE
I-5	9/17/1997	ND<5	FALSE

I-5	5/5/1998	ND<5	FALSE
I-5	10/16/1998	ND<5	FALSE
I-5	3/26/1999	ND<5	FALSE
I-5	9/22/1999	ND<5	FALSE
I-5	3/27/2000	ND<5	FALSE
I-5	9/13/2000	ND<5	FALSE
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I-5	9/13/2001	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
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I-5	4/24/2006	ND<5	FALSE
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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
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I-5	2/13/2009	ND<5	FALSE
I-5	4/17/2009	ND<5	FALSE
I-5	10/16/2009	ND<5	FALSE
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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-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	0.48	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-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-11	5/11/2005	ND<5	FALSE
II-11	4/24/2006	ND<5	FALSE
II-11	4/24/2006	ND<5	FALSE
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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-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-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	9/26/2007	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

Non-Parametric Tolerance Interval

Parameter: Chlorobenzene

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 96.7949%
Background measurements (n) = 70
Maximum Background Concentration = 5
Minimum Coverage = 95.8%
Average Coverage = 98.5915%

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-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
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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-3	3/25/1994	ND<5	FALSE
II-3	7/6/1994	ND<5	FALSE
II-3	9/9/1994	ND<5	FALSE
II-3	3/17/1995	ND<5	FALSE
II-3	7/11/1995	ND<5	FALSE
II-3	11/17/1995	ND<5	FALSE
II-3	1/5/1996	ND<5	FALSE
II-3	9/25/1996	ND<5	FALSE
II-3	3/26/1997	ND<5	FALSE
II-3	9/17/1997	ND<5	FALSE
II-3	5/5/1998	ND<5	FALSE
II-3	10/16/1998	ND<5	FALSE
II-3	3/26/1999	ND<5	FALSE
II-3	9/22/1999	ND<5	FALSE
II-3	3/27/2000	ND<5	FALSE
II-3	9/13/2000	ND<5	FALSE
II-3	3/12/2001	ND<5	FALSE
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II-3	3/7/2002	ND<5	FALSE
II-3	9/18/2002	ND<5	FALSE
II-3	4/15/2003	ND<5	FALSE
II-3	10/16/2003	ND<5	FALSE
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II-3	9/22/2004	ND<5	FALSE
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II-3	10/11/2005	ND<5	FALSE
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II-3	4/24/2006	ND<5	FALSE
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II-3	12/2/2008	ND<5	FALSE
II-3	2/13/2009	ND<5	FALSE
II-3	4/17/2009	ND<5	FALSE
II-3	10/16/2009	ND<5	FALSE
II-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
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II-4	10/19/2006	ND<5	FALSE
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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

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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
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II-5	9/17/1997	ND<5	FALSE
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II-5	3/27/2000	ND<5	FALSE
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II-5	3/24/2004	ND<5	FALSE
II-5	9/22/2004	ND<5	FALSE
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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-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
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
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-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-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-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-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-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-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

Non-Parametric Tolerance Interval

Parameter: 1,4-Dichlorobenzene

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 92.5214%
Background measurements (n) = 70
Maximum Background Concentration = 5
Minimum Coverage = 95.8%
Average Coverage = 98.5915%

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-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-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-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-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-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	0.69	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
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
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-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-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-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-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-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-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

Non-Parametric Tolerance Interval

Parameter: Diethylphthalate

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 95.3125%
Background measurements (n) = 8
Maximum Background Concentration = 1.4
Minimum Coverage = 68.8%
Average Coverage = 88.8889%

Location	Date	Value	Significant
I-5	12/2/2008	ND<1.4	FALSE
I-5	2/13/2009	ND<1.4	FALSE
I-5	4/17/2009	ND<1.4	FALSE
I-5	10/16/2009	ND<1.4	FALSE
II-1	12/2/2008	ND<1.4	FALSE
II-1	2/13/2009	ND<1.4	FALSE
II-1	4/17/2009	ND<1.4	FALSE
II-1	10/16/2009	ND<1.4	FALSE
II-10	12/2/2008	ND<1.4	FALSE
II-10	2/13/2009	ND<1.4	FALSE
II-10	4/17/2009	ND<1.4	FALSE
II-10	10/16/2009	ND<1.4	FALSE
II-11	12/2/2008	ND<1.4	FALSE
II-11	2/13/2009	ND<1.4	FALSE
II-11	4/17/2009	ND<1.4	FALSE
II-11	10/16/2009	ND<1.4	FALSE
II-12	12/2/2008	ND<1.4	FALSE
II-12	2/13/2009	ND<1.4	FALSE
II-12	4/17/2009	ND<1.4	FALSE
II-12	10/16/2009	ND<1.4	FALSE
II-2	12/2/2008	ND<1.4	FALSE
II-2	2/13/2009	ND<1.4	FALSE
II-2	4/17/2009	ND<1.4	FALSE
II-2	10/16/2009	ND<1.4	FALSE
II-3	12/2/2008	ND<1.4	FALSE
II-3	2/13/2009	ND<1.4	FALSE
II-3	4/17/2009	ND<1.4	FALSE
II-3	10/16/2009	ND<1.4	FALSE
II-4	12/2/2008	ND<1.4	FALSE
II-4	2/13/2009	ND<1.4	FALSE
II-4	4/17/2009	ND<1.4	FALSE
II-4	10/16/2009	ND<1.4	FALSE
II-5	12/2/2008	ND<1.4	FALSE
II-5	2/13/2009	ND<1.4	FALSE
II-5	4/17/2009	ND<1.4	FALSE
II-5	10/16/2009	ND<1.4	FALSE
II-6	**12/2/2008**	**2.3**	**TRUE**
II-6	2/13/2009	ND<1.4	FALSE
II-6	4/17/2009	ND<1.4	FALSE
II-6	**10/16/2009**	**2.5**	**TRUE**
II-7	12/2/2008	ND<1.4	FALSE
II-7	2/13/2009	ND<1.4	FALSE
II-7	4/17/2009	ND<1.4	FALSE
II-7	10/16/2009	1	FALSE
II-7B	12/2/2008	ND<1.4	FALSE
II-7B	2/13/2009	ND<1.4	FALSE
II-7B	4/17/2009	ND<1.4	FALSE
II-7B	10/16/2009	ND<1.4	FALSE

II-8	12/2/2008	ND<1.4	FALSE
II-8	2/13/2009	ND<1.4	FALSE
II-8	4/17/2009	ND<1.4	FALSE
II-8	10/16/2009	ND<1.4	FALSE
II-9	12/2/2008	ND<1.4	FALSE
II-9	2/13/2009	ND<1.4	FALSE
II-9	4/17/2009	ND<1.4	FALSE
II-9	10/16/2009	ND<1.4	FALSE

Non-Parametric Tolerance Interval

Parameter: 2-Methylnaphthalene

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 93.75%
Background measurements (n) = 2
Maximum Background Concentration = 1.3
Minimum Coverage = 22.4%
Average Coverage = 66.6667%

Location	Date	Value	Significant
I-5	10/16/2009	ND<1.3	FALSE
II-1	10/16/2009	ND<1.3	FALSE
II-10	10/16/2009	ND<1.3	FALSE
II-11	10/16/2009	ND<1.3	FALSE
II-12	10/16/2009	ND<1.3	FALSE
II-2	10/16/2009	ND<1.3	FALSE
II-3	10/16/2009	ND<1.3	FALSE
II-4	10/16/2009	ND<1.3	FALSE
II-5	10/16/2009	ND<1.3	FALSE
II-6	**10/16/2009**	**1.6**	**TRUE**
II-7	10/16/2009	ND<1.3	FALSE
II-7B	10/16/2009	ND<1.3	FALSE
II-8	10/16/2009	ND<1.3	FALSE
II-9	10/16/2009	ND<1.3	FALSE

Non-Parametric Tolerance Interval

Parameter: o-Toluidine

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 93.75%
Background measurements (n) = 2
Maximum Background Concentration = 1.5
Minimum Coverage = 22.4%
Average Coverage = 66.6667%

Location	Date	Value	Significant
I-5	10/16/2009	ND<1.5	FALSE
II-1	10/16/2009	ND<1.5	FALSE
II-10	10/16/2009	ND<1.5	FALSE
II-11	10/16/2009	ND<1.5	FALSE
II-12	10/16/2009	ND<1.5	FALSE
II-2	10/16/2009	ND<1.5	FALSE
II-3	10/16/2009	ND<1.5	FALSE
II-4	10/16/2009	ND<1.5	FALSE
II-5	10/16/2009	ND<1.5	FALSE
II-6	10/16/2009	2.5	TRUE
II-7	10/16/2009	ND<1.5	FALSE
II-7B	10/16/2009	ND<1.5	FALSE
II-8	10/16/2009	ND<1.5	FALSE
II-9	10/16/2009	ND<1.5	FALSE

Non-Parametric Tolerance Interval

Parameter: 3 & 4 Methylphenol

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 93.75%
Background measurements (n) = 2
Maximum Background Concentration = 1.8
Minimum Coverage = 22.4%
Average Coverage = 66.6667%

Location	Date	Value	Significant
I-5	10/16/2009	ND<1.8	FALSE
II-1	10/16/2009	ND<1.8	FALSE
II-10	10/16/2009	ND<1.8	FALSE
II-11	10/16/2009	ND<1.8	FALSE
II-12	10/16/2009	2	TRUE
II-2	10/16/2009	ND<1.8	FALSE
II-3	10/16/2009	ND<1.8	FALSE
II-4	10/16/2009	ND<1.8	FALSE
II-5	10/16/2009	ND<1.8	FALSE
II-6	10/16/2009	ND<1.8	FALSE
II-7	10/16/2009	ND<1.8	FALSE
II-7B	10/16/2009	ND<1.8	FALSE
II-8	10/16/2009	ND<1.8	FALSE
II-9	10/16/2009	ND<1.8	FALSE

Non-Parametric Tolerance Interval

Parameter: Phenol

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 93.75%
Background measurements (n) = 2
Maximum Background Concentration = 1.2
Minimum Coverage = 22.4%
Average Coverage = 66.6667%

Location	Date	Value	Significant
I-5	10/16/2009	ND<1.2	FALSE
II-1	10/16/2009	ND<1.2	FALSE
II-10	10/16/2009	ND<1.2	FALSE
II-11	10/16/2009	ND<1.2	FALSE
II-12	10/16/2009	1.3	TRUE
II-2	10/16/2009	ND<1.2	FALSE
II-3	10/16/2009	ND<1.2	FALSE
II-4	10/16/2009	ND<1.2	FALSE
II-5	10/16/2009	ND<1.2	FALSE
II-6	10/16/2009	ND<1.2	FALSE
II-7	10/16/2009	ND<1.2	FALSE
II-7B	10/16/2009	ND<1.2	FALSE
II-8	10/16/2009	ND<1.2	FALSE
II-9	10/16/2009	ND<1.2	FALSE

Non-Parametric Tolerance Interval

Parameter: 2,4,5,-TP (Silvex)

Original Data (Not Transformed)

Non-Detects Replaced with Detection Limit

Total Percent Non-Detects = 87.5%
Background measurements (n) = 2
Maximum Background Concentration = 0.056
Minimum Coverage = 22.4%
Average Coverage = 66.6667%

Location	Date	Value	Significant
I-5	10/16/2009	ND<0.056	FALSE
II-1	10/16/2009	ND<0.056	FALSE
II-10	10/16/2009	ND<0.056	FALSE
II-11	10/16/2009	ND<0.056	FALSE
II-12	10/16/2009	ND<0.056	FALSE
II-2	10/16/2009	ND<0.056	FALSE
II-3	10/16/2009	ND<0.056	FALSE
II-4	10/16/2009	ND<0.056	FALSE
II-5	**10/16/2009**	**0.085**	**TRUE**
II-6	**10/16/2009**	**0.45**	**TRUE**
II-7	10/16/2009	ND<0.056	FALSE
II-7B	10/16/2009	ND<0.056	FALSE
II-8	10/16/2009	ND<0.056	FALSE
II-9	10/16/2009	ND<0.056	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).
- In accordance with NC General Statutes Chapter 89C and 89E and NC Solid Waste Management Rules 15A NCAC 13B, be sure to affix a seal to the bottom of this page, when applicable.
- Send the original signed and sealed form, any tables, and Electronic Data Deliverable to: Compliance Unit, NCDENR-DWM, Solid Waste Section, 1646 Mail Service Center, Raleigh, NC 27699-1646.

Solid Waste Monitoring Data Submittal Information

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

S&ME, Inc.

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

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

E-mail: cware@smeinc.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
White Street Landfill Phase II	North end of White Street, Greensboro, North Carolina	41-03	.1600	October 10-20, 2009

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, L.G. 336-288-7180

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

Edmund Q.B. Henriques 12-28-09

Signature Date

Affix NC Licensed/ Professional Geologist/Engineer Seal here:

Revised 01/2007