ACO 920

JULY 2006
SEMI-ANNUAL GROUNDWATER
AND SURFACE WATER
SAMPLING EVENT
EDGECOMBE COUNTY LANDFILL
EDGECOMBE COUNTY, NORTH CAROLINA
S&ME JOB NO. 1040-01-545E

Received
DEC 2006
Solid Waste Section

Prepared for:

Edgecombe County
PO Box 10
Tarboro, NC 27886

Prepared by:

S&ME, Inc.
3201 Spring Forest Road
Raleigh, NC 27616

Samuel P. Watts, P.G.
Project Manager

Wayne Watterson, P.E.
Senior Engineer

December 27, 2006

TABLE OF CONTENTS

Section **Page**

1.0 PROJECT INFORMATION AND STATUS 1

1.1 INTRODUCTION 1
1.2 BACKGROUND 2

2.0 JULY 2006 SAMPLING EVENT 3

2.1 GROUNDWATER SAMPLING METHODS AND PROCEDURES 3
2.2 SURFACE WATER SAMPLING METHODS AND PROCEDURES 4

3.0 SITE HYDROGEOLOGY 5

3.1 GROUNDWATER ELEVATIONS AND FLOW DIRECTION 5
3.2 GROUNDWATER FLOW VELOCITY 5

4.0 GROUNDWATER AND SURFACE WATER QUALITY 7

4.1 GROUNDWATER ANALYTICAL DATA 7
4.2 SURFACE WATER ANALYTICAL DATA 8

5.0 DISCUSSION OF GROUNDWATER DETECTIONS 9

5.1 STATISTICAL ANAYSIS 10
5.2 TREND ANALYSIS OF DETECTED ANALYTES 11

6.0 CONCLUSIONS AND RECOMMENDATIONS 14

6.1 SUMMARY OF JULY 2006 SAMPLING EVENT 14
6.2 RECCOMENDATIONS 15

7.0 REFERENCES 18

TABLES

TABLE 1: GROUNDWATER ELEVATION DATA JULY 11, 2006
TABLE 2: FIELD PARAMETERS
TABLE 3: GROUNDWATER/SURFACE WATER QUALITY SUMMARY
TABLE 4: ESTIMATED GROUNDWATER FLOW RATES AT WELL LOCATIONS
TABLE 5: NON-DETECTED RESULTS USED TO SELECT STATISTICAL TESTS
TABLE 6: SUMMARY OF STATISTICAL ANALYSES – WILCOXON RANK SUM TEST
TABLE 7: NON-PARAMETRIC COMPARISON OF 95% CONFIDENCE LEVEL TO APPLICABLE STANDARD
TABLE 8: MANN-KENDALL TREND ANALYSES / SEN'S SLOPE ANALYSES

FIGURES

FIGURE 1: VICINITY MAP
FIGURE 2: GROUNDWATER POTENTIOMETRIC MAP

APPENDICES

APPENDIX I: REPORT OF LABORATORY ANALYSES
APPENDIX II: STATISTICAL ANALYSIS INFORMATION
APPENDIX III: TIME SERIES GRAPHS FOR MONITOR WELLS MW-1A, MW-5 AND MW-7A

1.0 PROJECT INFORMATION AND STATUS

1.1 INTRODUCTION

Edgecombe County currently operates a solid waste facility on a tract of land located off of State Road 1601, in Edgecombe County, south of Tarboro, North Carolina (Figure 1). The facility includes the following features:

1) a former landfill, which stopped receiving wastes in 1979 (landfill area north of Jerry's Creek);
2) a closed municipal solid waste (MSW) landfill (Permit #33-01) south of Jerry's Creek;
3) an active construction and demolition (C&D) landfill (Permit #33-01) located on top of the former MSW landfill;
4) a solid waste transfer station facility (Permit # 33-02T) east of Colonial Road; and
5) the county's operational facilities, such as an equipment maintenance shop, landfill office, and vehicle scales (Figure 2).

Edgecombe County has continued to perform groundwater and surface water monitoring on a semiannual basis to comply with the requirements of North Carolina Solid Waste Management Rules (Solid Waste Rules), 15A NCAC 13B. S&ME has prepared this report on behalf of Edgecombe County to present the results of the July 2006 monitoring event as required by § .600 of the Solid Waste Rules.

The July 2006 monitoring event included sampling for groundwater quality from the following wells selected from the monitoring network:

Water Quality Monitoring Network
Groundwater Sampling Locations

Background Monitor Wells	Compliance Monitor Wells
MW-3B	MW-1A
MW-4	MW-5
MW-9	MW-6
	MW-7A

Surface water quality upstream of the landfill is monitored in Jerry's Creek next to the upstream staff gauge location near the west property line. Surface water quality samples downstream of the landfill are collected from Jerry's Creek next to the downstream staff gauge location just west of Colonial Road. Groundwater and surface water monitoring locations are illustrated on Figure 2.

S&ME also performed a statistical evaluation of groundwater quality data collected at compliance and background wells dating back to 1994. The large pool of data generated by approximately 12 years of groundwater quality monitoring was used to analyze the results from the current data set collected for the compliance monitoring.

1.2 BACKGROUND

Groundwater has been monitored at the landfill facility since 1994. According to §.1634(a) of the Solid Waste Management Rules, due to constituent concentrations detected in the groundwater that were above the North Carolina groundwater quality standards in prior sampling events, the landfill is technically in the "assessment monitoring phase" and moving toward the "assessment of corrective measures" phase. S&ME is in the process of assessing the nature and extent of groundwater contamination in the vicinity of the landfill. While preparations for active assessment are in progress, the County has continued assessment monitoring.

Significant changes to the landfill have included closure of the MSW landfill (1997-1999), Hurricane Floyd (1997), a revision to the groundwater sampling and analysis plan (1998), and revisions to the water quality monitoring network (1998-2002). These events so altered the water quality observed at the facility that a re-evaluation of the site was needed in order to interpret the site in terms of a contaminant release or lack thereof. Starting with the June 2001 sampling event and continuing with the next three subsequent sampling events (January 2002, June 2002, and January 2003), groundwater samples were analyzed for the full list of constituents listed under 40 CFR 258 Appendix II to establish a new statistical monitoring baseline. The results of the re-evaluation were reported to NCDENR in S&ME's report titled *January 2003 Semi-Annual Sampling/Baseline Statistical Analysis, dated August 19, 2003*. These findings indicated a release of Appendix I constituents in the area of well MW-5; however, there was no statistical evidence of a release of any Appendix II constituents. It was recommended that future sampling events exclude Appendix II monitoring.

2.0 JULY 2006 SAMPLING EVENT

S&ME personnel conducted semi-annual groundwater sampling at seven monitoring wells and two surface water locations at the Edgecombe County Landfill (Figure 1) for the July 2006 sampling event. A discussion of field sampling methods and locations for the July 2006 groundwater and surface water sampling event are included in the following sections. S&ME personnel performed sampling at the facility in accordance with the Solid Waste Rules and the facility's *Water Quality Monitoring Plan* (WQMP), dated May 1994, and *Revisions to the Sampling and Analysis Plan* (SAP), dated November 1998.

2.1 GROUNDWATER SAMPLING METHODS AND PROCEDURES

Prior to sampling the monitoring network, the depth to static groundwater in each monitoring well to be sampled was measured to an accuracy of ±0.01 feet using an electronic water level indicator. In addition to the sampled wells (MW-1A, MW-3B, MW-4, MW-5, MW-6, MW-7A, and MW-9), the depth to static groundwater was also measured in monitoring wells MW-5S, MW-5D, and MW-8A and piezometers P-1, P-2A and P-3A. The electronic water level indicator was decontaminated before its initial use and between measurements at each well location. Field personnel wore clean protective/non-reactive gloves at each well location when collecting water-level measurements. Water level measurements are summarized in Table 1.

Following the collection of static groundwater level measurements, stagnant water from each well identified for sampling was purged using a low-flow peristaltic pump apparatus. As purging proceeded, pH, temperature, specific conductance, and turbidity were measured and recorded. In accordance with the revised SAP, a groundwater sample was collected after field parameters stabilized and the turbidity measurement was approximately 10 Nephelometric Turbidity Units (NTUs) or below. This NTU reading was reached in all wells. The field parameters measured immediately before collecting each groundwater sample are presented in Table 2. One blind duplicate groundwater sample set was collected in tandem with laboratory-prepared containers filled with groundwater sampled from MW-4 for the purpose of Quality Assurance/Quality Control (QA/QC).

Groundwater samples were submitted to Environmental Conservation Laboratories, Inc. (ENCO), a North Carolina-certified laboratory, for analysis of constituents listed under 40 CFR 258 Appendix I. The

results of analytical testing are discussed in Section 4.1 and a summary of compound concentrations detected are presented in Table 3. A copy of the groundwater laboratory report is provided in Appendix I.

2.2 SURFACE WATER SAMPLING METHODS AND PROCEDURES

Surface water samples were collected by S&ME personnel directly from Jerry's Creek. The samples were collected on July 11, 2006, at the previously established surface water sampling locations to monitor surface water compliance requirements. The upstream and downstream staff gauge locations are shown on Figure 2. The surface water samples were submitted to ENCO for laboratory testing for constituents listed in 40 CFR Appendix I. Laboratory test results are discussed in Section 4.2. A copy of the surface water laboratory report is provided in Appendix I.

3.0 SITE HYDROGEOLOGY

3.1 GROUNDWATER ELEVATIONS AND FLOW DIRECTION

The uppermost aquifer at the site is unconfined and is found in the silty sands of the Sunderland formation. This aquifer is recharged by inflow from upgradient areas and by precipitation infiltration. The uppermost aquifer underlying the landfill is expected to discharge to the local surface water features: Jerry's Creek; the drainage features in the active landfill area; and the farm pond located in the southeast corner of the site. During flood conditions, Jerry's Creek, the southwest perimeter trench, and the farm pond may recharge the aquifer. The marine clay layer (Yorktown Formation) encountered at depths from 13 to 24 feet below the original ground surface may be acting as a confining layer below the landfill.

Shallow monitoring wells and piezometers are installed in the surficial aquifer. Static water levels are defined as the depths to the water table measured from the top of the casing (TOC) of each monitoring well or piezometer. Water level data was recorded in a field log book and used to calculate the corresponding groundwater elevation within each monitoring well and piezometer based on surveyed TOC elevations. A groundwater potentiometric map was developed based on the groundwater elevations (Figure 2). The depth to static water levels and groundwater elevations for the monitoring network are summarized on Table 1. Based upon the water table elevations and the calculated potentiometric gradients, the groundwater flow direction within the surficial aquifer was to the north-northeast.

3.2 GROUNDWATER FLOW VELOCITY

Aquifer slug tests were performed previously utilizing rising and falling head techniques. The slug test data were used to estimate the hydraulic conductivity of the sediments in the surficial aquifer intersected at the monitoring well locations tested. The aquifer test data (provided in previous reports) were analyzed by the Bouwer and Rice Method. As summarized on Table 4, the estimated hydraulic conductivity values range from 1.29×10^{-5} centimeters per second (cm/sec) at MW-6 to 3.65×10^{-4} cm/sec at P-1.

Using the current groundwater elevation information and historical information on hydraulic conductivity and effective porosity, S&ME calculated the horizontal groundwater flow gradient and the estimated groundwater flow velocity at each well and piezometer location. This groundwater flow velocity information is summarized on Table 4 and is presented on Figure 2. Calculated groundwater flow velocities in the surficial aquifer ranged from 1.9 to 22.4 feet per year (ft/yr). These velocities are based on

the gradient and the typical aquifer characteristics (porosity and hydraulic conductivity) measured at each well. The hydraulic gradient was determined from the difference in hydraulic head between two points divided by the distance parallel to the direction of groundwater flow between the two points. While the values measured at each well represent the calculated groundwater flow at that well location, the average groundwater flow velocity for the site is 11.2 ft/yr. The average hydraulic gradient within the surficial aquifer is 0.019 ft/ft. The calculated gradients and resulting groundwater velocities in July 2006 were similar to those recorded during the previous sampling events.

4.0 GROUNDWATER AND SURFACE WATER QUALITY

S&ME sampled seven groundwater monitoring wells (MW-1A, MW-3B, MW-4, MW-5, MW-6, MW-7A, and MW-9) and two surface water sample locations (Upstream and Downstream) during the July 2006 sampling event. The samples were analyzed by ENCO for constituents listed in the 40 CFR 258, Appendix I analyte list. Laboratory analytical methods included EPA Method 6010 (metals) and Method 8260 (volatile organic compounds, VOCs). Discussions of the laboratory test results from the groundwater and surface water samples are included in the following sections. The results of the laboratory testing for the July 2006 sampling event are summarized on Table 3. The laboratory reports from ENCO are provided in Appendix I.

4.1 GROUNDWATER ANALYTICAL DATA

Constituent concentrations detected above the sample practical quantitation limit (PQL) were compared to their respective 15A North Carolina Administrative Code (NCAC) Subchapter 2L .0200 groundwater quality standards (2L Standard) in Table 3. Some target groundwater constituents have no 2L Standard established. Analytical results for these constituents were compared to the Solid Waste Groundwater Protection Standard (GWPST) established in accordance with the Solid Waste Management Rules, Section .1634(h).

Monitoring wells MW-3B, MW-4, and MW-9 are upgradient (background) wells sampled during the July 2006 sampling event. Monitoring wells MW-1A, MW-5, MW-6 and MW-7 are downgradient (compliance) wells sampled during this sampling event. No Appendix I volatile organic compounds (VOCs) were detected above their PQLs in upgradient wells MW-3B, MW-4, and MW-9 or in downgradient wells MW-6 and MW-7A. The analysis completed on the groundwater sample collected from MW-1A indicates that cis-1,2-dichlorothene was detected above its PQL, but below its 2L Standard concentration. The analysis completed on the groundwater sample collected from MW-5 indicated that the concentrations of the Appendix I VOCs benzene, cis-1,2-dichloroethene, and vinyl chloride exceed their respective 2L Standards. The analysis completed on the groundwater sample collected from MW-5 also indicates that 1,1-dichloroethane, 1,4-dichlorobenzene, and chlorobenzene were detected above their PQLs, but below their 2L Standard concentrations.

No inorganic compound concentrations were detected above the PQLs in the groundwater samples collected from upgradient monitor wells MW-4 and MW-9. The cobalt concentration (0.0345 mg/L) detected in upgradient well MW-3B exceeded its Solid Waste Groundwater Protection Standard (GWPST) of 0.002 mg/L.

No inorganic compounds were detected above the PQLs in the groundwater samples collected from downgradient monitor wells MW-1A and MW-6. Lead was detected above its PQL in MW-7A at a concentration below the 2L Standard. Lead, thallium, and zinc were detected above the PQL in the groundwater samples from monitor well MW-5, at contractions below their 2L Standards. The cobalt concentration (0.12 mg/L) detected in downgradient well MW-5 exceeded its GWPST of 0.002 mg/L.

4.2 SURFACE WATER ANALYTICAL DATA

Surface water sample analyses were compared to the North Carolina Class C surface water standards as promulgated in 15A NCAC, Subchapter 2B , hereafter referred to as the 2B Standards. No VOC or inorganic compound concentrations were detected above the PQL in either of the surface water sampling points located upstream or downstream of the landfill along Jerry's Creek.

The results of the laboratory tests are summarized in Table 3. The laboratory reports are provided in Appendix I.

5.0 DISCUSSION OF GROUNDWATER DETECTIONS

As discussed in Section 4.0, the following 10 individual Appendix I constituents were detected in the July 2006 monitoring event:

July 2006 Sampling Event –
Constituents Detected in Groundwater

Background Monitor Wells	Detected Constituents
MW-3B	cobalt
MW-4	ND
MW-9	ND
Compliance Monitor Wells	**Detected Constituents**
MW-1A	cis-1,2 dichloroethene
MW-5	benzene, chlorobenzene, 1,1-dichloroethane, cis-1,2-dichloroethene, 1,4-dichlorobenzene, vinyl chloride, cobalt, lead, thallium, zinc
MW-6	ND
MW-7A	lead

Notes:
ND = None Detected

Constituent concentrations detected above the sample PQL are summarized and compared to their respective 2L Standard in Table 3. As required by Sections .1632, .1633, and .1634 of the Solid Waste Rules (15A NCAC 13B), statistical analyses were applied to these analytical results. Those analytes detected above their PQL during the July 2006 sampling event were reviewed and analyzed in comparison to previous sampling results from the Edgecombe County Landfill facility. In addition, two analytes (trichloroethene, trans-1,2-dichloroethene) not detected above their PQLs during the July 2006 sampling event were also reviewed and analyzed. These two analytes were included in the statistical analysis because they were detected above their PQL and showed evidence of statistical release during previous sampling events. These two additional analytes are further discussed in Section 5.2. This method was used in order to evaluate trends and changes in the sampling results as well as statistically significant differences between upgradient and downgradient wells.

The data set used to evaluate the July 2006 detections at Edgecombe County Landfill facility includes 26 groundwater sampling events completed between September 1994 and July 2006. Since several wells were abandoned or replaced during this time period, S&ME selected data from four existing background wells (MW-3B, MW-4, MW-9 and MW-10) and data from six existing compliance wells (MW-1A, MW-5, MW-5S, MW-5D, MW-6 and MW-7A) located at Edgecombe County Landfill to use in the statistical

analyses. With NCDENR-DWM approval, several existing wells were not sampled during this sampling event; these wells were MW-10 (background well) and MW-5S and MW-5D (compliance wells). Statistical summaries described in the following section only address results for the four compliance wells currently used to monitor water quality at the facility: MW-1A, MW-5, MW-6 and MW-7A.

5.1 STATISTICAL ANAYSIS

Analyses of historical data provided insight into the dynamics of the analytes detected during the July 2006 monitoring event. By using a larger array of data, S&ME was able to apply statistical procedures to evaluate trends in groundwater quality. This statistical evaluation used a step-wise approach to identify potential releases from the landfill.

Evaluation of Non-Detected Values

First, the data was evaluated for non-detected values. Our analyses showed that the data for Edgecombe County Landfill contains more than 50 percent non-detected results for individual analytes, most of which exceeded 80 percent non-detected results. A summary of the non-detected results used to select the statistical analyses (the Wilcoxon Rank-Sum Test) is shown on Table 5.

Results of the Wilcoxon Rank-Sum Test

The application of the Wilcoxon Rank-Sum Test (WRST) was the second step in the statistical analyses. Due to the large number of non-detected values, the WRST, a non-parametric statistical analysis, was used to compare individual down-gradient or compliance wells to the up-gradient or background well group. This analysis was performed on data sets of volatile organic compounds and inorganic analytes. However, statistical evidence at this level does not necessarily dictate non-compliance with regard to groundwater quality. The result of the WRST analyses for data from September 1994 to July 2006 is summarized in Table 6. The analysis report generated by the ChemStat® statistical software is included on a compact disc (CD) in Appendix II of this report.

Evidence of a release from the landfill was found for Appendix I VOCs and inorganic analytes. Statistical evidence of a release is supported by the reported detections of both VOCs and inorganic analytes in compliance wells MW-1A, MW-5, and MW-7A. There was no statistical evidence present to confirm a release of VOCs or inorganic analytes from the landfill in compliance well MW-6.

Comparison of 95% Upper Confidence Level to Groundwater Standards

The third step was to compare significant findings of a release for each analyte to its respective standard. Using the Two-Tailed Test of Proportions non-parametric procedure a comparison of the analytes with statistical evidence of a release at the 95% upper predictive limit (UPL) was compared to their respective 2L Standard. This comparison is summarized in Table 7. The following individual analytes statistically exceeded their respective groundwater standards:

Analytes Whose 95% UPL Exceeds Groundwater Standards

Analyte
Benzene
Cobalt*
1,1-Dichloroethane
cis-1,2-Dichlorethene
Trichloroethene**
Vinyl Chloride

Notes:
*Indicates there is currently no 2L Standard. The target analyte was compared to the Solid Waste Groundwater Protection Standard (GWP ST).
** Trichloroethene was not detected above its PQL during the July 2006 sampling event. However trichloroethene was included in the statistical analysis because it was detected above the PQL and showed evidence of statistical release during previous sampling events.

5.2 TREND ANALYSIS OF DETECTED ANALYTES

For those analytes detected during the July 2006 sampling event whose 95% UPL exceeds their respective groundwater standards, S&ME performed a trend analysis of the data and of time concentration graphs to assess whether groundwater quality was improving, degrading, or remaining constant. S&ME also performed a trend analysis of the data and of time concentration graphs for those analytes not detected during the July 2006 sampling event but whose 95% UPL exceeds their respective groundwater standards. Data entry and analysis was performed using the ChemStat® statistical software by Starpoint Software. The July 2006 data was entered into the historical source database for the site, and was reviewed and evaluated using the statistical analysis methods discussed in section 5.1. Time series graphs for wells MW-1A, MW-5 and MW-7A are graphical representations of data trends over time and are included in Appendix III of this report. These time series graphs are of groundwater quality for those chemical constituents that 1) were detected during the July 2006 sampling event; 2) resulted in significant evidence of a release or 3) whose 95% UPL have exceeded its respective standard.

For those analytes detected during the July 2006 sampling event with no evident trend, S&ME performed a statistical trend analysis. The analyses used were the Mann-Kendall analyses (one analysis for upward trends and one analysis for downward trends) and the Sen's Slope analysis, which analyses for both upward and downward trends. Table 8 presents the results of the trend analyses for each compound in each well.

Monitoring Well MW-1A

Monitoring well MW-1A had one analyte, cis-1,2-dichloroethene, detected above the PQL during the July 2006 sampling event. Although the concentration of cis-1,2-dichloroethene detected in MW-1A during the July 2006 sampling event (5.2 µg/L) was below its 2L Standard (70 µg/L), cis-1,2-dichloroethene shows a statistical release from the facility at the 95% UPL greater than the 2L Standard. For this reason, a trend analysis was performed for this analyte. A review of the trend graph for cis-1,2-dichloroethene concentrations (see Appendix III) show a significant trend of decreasing concentrations over time in monitor well MW-1A.

In monitor well MW-1A, the 95% UPL exceeds the respective groundwater standards for two additional Appendix I constituents (vinyl chloride and trichloroethene) which were not detected in the July 2006 sampling event. A review of the time series data graph for vinyl chloride showed no evident trend in concentrations in well MW-1A, so a Mann-Kendall and a Sen's Slope statistical analysis were applied to the data. Table 8 presents the results of the statistical trend analyses for each compound in each well. Both statistical analysis resulted in no evident trend for vinyl chloride concentrations in monitor well MW-1A. A review of the time series data graph for trichloroethene shows a trend of decreasing concentrations in well MW-1A over time, which is further supported by the Mann-Kendall statistical trend analysis. However, the Sen's Slope analysis resulted in no evident trend for trichloroethene concentrations in monitor well MW-1A.

Monitoring Well MW-5

In monitor well MW-5, the 95% UPL exceeds the respective groundwater standards for five Appendix I constituents (benzene, 1,1-dichloroethane, trichloroethene, cis-1,2-dichloroethene, vinyl chloride, cobalt). A review of the trend graph (see Appendix III) for two of the VOCs (1,1-dichloroethane and trichloroethene) showed a trend of decreasing concentrations over time. The trend graph for one VOC (cis-1,2-dichloroethene) and one inorganic constituent (cobalt) showed a trend of increasing concentrations over time. A review of the

time series data graphs show no evident trend for benzene and vinyl chloride concentrations in well MW-5, so a Mann-Kendall and a Sen's Slope statistical trend analysis were applied to the data. Table 8 presents the results of the Mann-Kendall and a Sen's Slope statistical trend analyses for each compound in each well. Using these trend analyses, benzene concentrations showed a trend of decreasing concentrations over time. The Mann-Kendall and the Sen's Slope analysis resulted in no evident trend for vinyl chloride concentrations in monitor well MW-5.

Monitoring Well MW-7A

One inorganic constituent (lead) was detected in monitor well MW-7A above the PQL during the July 2006 sampling event. This constituent has been detected sporadically over time, and the 95% UPL for lead detections at the facility does not exceed its respective groundwater standard. No trend analysis was performed for this constituent detected at monitor well MW-7A.

Time series graphs for wells MW-1A, MW-5 and MW-7A are graphical representations of data trends over time and are included in Appendix III of this report.

6.0 CONCLUSIONS AND RECOMMENDATIONS

S&ME performed semi-annual sampling at the Edgecombe County Landfill in Tarboro, North Carolina. During the January 2006 sampling event, groundwater samples were collected from three background (upgradient) and four compliance (downgradient) monitoring wells. Surface water quality upstream of the landfill was monitored in Jerry's Creek next to the upstream staff gauge location near the west property line. Downstream of the landfill, surface water quality samples were collected from Jerry's Creek, next to the downstream staff gauge location just west of Colonial Road.

In addition to the sampled wells (MW-1A, MW-3B, MW-4, MW-5, MW-6, MW-7A, and MW-9), the depth to static groundwater was also measured in monitoring wells MW-5S, MW-5D, and MW-8A and piezometers P-1, P-2A and P-3A. The water level data was used to calculate groundwater elevations at the site and evaluate groundwater flow direction, gradient, and velocities.

As required by Sections .1632, .1633, and .1634 of the Solid Waste Rules (15A NCAC 13B), statistical analyses were applied to the analytical results for this sampling event. Those analytes detected above their PQL were reviewed and analyzed in comparison to previous sampling results. This method was used in order to evaluate trends and changes in the sampling results as well as statistically significant differences between upgradient and down gradient wells. The data set used to evaluate the recent detections includes 26 groundwater sampling events completed between September 1994 and July 2006. The field activities, observations, groundwater analytical results, and statistical analysis of data included in this sampling event are as follows:

6.1 SUMMARY OF JULY 2006 SAMPLING EVENT

- Based on the water table elevations and resulting potentiometric gradients, groundwater flow direction within the surficial aquifer was to the north, northeast with an average hydraulic gradient of 0.019 ft/ft. The average groundwater flow velocity for the site is approximately 11.2 ft/yr.

- There were no organic or inorganic analytes reported above the PQL in the upstream and downstream surface water samples.

- Constituent concentrations of 10 analytes were detected above their PQL in samples collected. Of these 10, four analytes were detected at concentrations that exceeded groundwater quality standards. Cobalt exceeded its respective standard in groundwater samples collected from monitor upgradient

well MW-3B. The benzene, cis-1,2-dichloroethene, vinyl chloride and cobalt were detected above their respective standards in downgradient well MW-5.

- Five analytes detected during the July 2006 sampling event were shown to have statistical evidence of a release from the facility, where their 95% UPL was greater than their respective groundwater standards. These analytes were: benzene, cobalt, 1,1-dichloroethane, cis-1,2-dichlorethene, and vinyl chloride. One analyte (trichloroethene) detected during the December 2005 sampling event but not detected in the July 2006 sampling event was also shown to have statistical evidence of a release from the facility. A trend analysis of these six constituents shows the following trends:
  - Benzene concentrations showed a trend of decreasing over time in monitor well MW-5.
  - Cobalt concentrations showed a trend of increasing over time in monitor well MW-5.
  - 1,1-Dichloroethane concentrations showed a trend of decreasing in monitor well MW-5.
  - Cis-1,2-dichloroethene concentrations show a trend of decreasing in monitor well MW-1A and increasing in monitor well MW-5.
  - Trichloroethene concentrations showed a trend of decreasing over time in monitor wells MW-1A and MW-5.
  - No trend was evident for vinyl chloride concentrations in monitor wells MW-1A and MW-5.

6.2 RECOMENDATIONS

The results of the July 2006 sampling event show that groundwater near the Edgecombe County Landfill has been impacted by the facility. The trend analysis on the time series data provides insight on possible chemical fate and transport mechanisms acting at the landfill.

A trend analyses of the data for monitor well MW-1A indicted that trichloroethene shows significant evidence of a decreasing trend of concentrations over time. One of the daughter products from the degradation of trichloroethene is cis-1,2-dichloroethene (Pankow & Cherry, 1996). Cis-1,2-dichloroethene concentrations also show significant evidence of a decreasing trend of concentrations over time. A review of historic sampling data in this area reveals that trichloroethene was detected at low concentrations in the six sampling events from September 1994 through June 1996, and was not detected in groundwater sampled from monitor well MW-1A in the subsequent 19 sampling events. Vinyl chloride is a degradation product of cis-1,2-dichloroethene (Pankow & Cherry, 1996). Vinyl chloride concentrations show no significant upward or downward trend over time. The historical sampling data also shows that vinyl chloride has not been detected in monitor well MW-1A above the PQL since October 1996, which may account for the lack of an upward or downward trend in concentration over time. The evidence suggests that natural degradation is likely occurring in the area of monitor well MW-1A. Continued monitoring for Appendix I VOCs and inorganic analytes at MW-1A is recommended to monitor the trend of improving water quality in this area of the landfill facility.

A release of Appendix I VOCs is evident at monitor well MW-5. The concentration of benzene in groundwater samples from monitor well MW-5 has strong evidence of a decreasing trend. Benzene was initially detected at concentrations near the PQL in earlier sampling events, but benzene was not detected above the PQL in events from February 2001 to January 2003. Benzene has since been detected slightly above the PQL in recent sampling events including the July 2006 event However, concentrations of benzene continue to show a significant downward trend in concentrations over time. Based on our interpretation of these conditions, benzene concentrations will likely not cause future compliance issues in the area of monitor well MW-5.

The environmental fate processes for VOCs in groundwater samples analyzed from monitor well MW-5 have similar characteristics to those observed in sample results from monitor well MW-1A. Concentrations of the chlorinated compound tetrachloroethene have been detected above the PQL historically in monitor well MW-5. However, concentrations of tetrachloroethene have been detected below the PQL since January 2004, including concentrations detected during the July 2006 sampling event. Trichloroethene is a daughter product from the degradation of tetrachloroethene. Concentrations of trichloroethene show a significant downward trend in concentrations over time. Two of the daughter products from the degradation of trichloroethene are cis-1, 2-dichloroethene and 1,1-dichloroethane. The concentration of cis-1,2-dichloroethene in groundwater samples from monitor well MW-5 has strong evidence of an increasing trend. This increase is likely due to the degradation of trichloroethene through natural attenuation processes. The concentration of 1,1-dichloroethane in groundwater samples from monitor well MW-5 has strong evidence of a decreasing trend. Vinyl chloride is a degradation product of cis-1,2-dichloroethene and 1,1-dichloroethane, and further breaks down to water and carbon dioxide through natural processes. The analysis of vinyl chloride concentrations shows no significant upward or downward trend in concentration over time. Due to the degradation characteristics of vinyl chloride, relatively steady concentrations are expected while the larger alkene compounds degrade (Montgomery, 1996). The constituents detected and the concentration trends in the groundwater sample data are evidence that the VOC release in the area of well MW-5 is likely degrading through the natural attenuation processes at this location. Continued monitoring for Appendix I VOCs at MW-5 is recommended to monitor the trend of improving water quality in this area of the landfill facility.

A release of one inorganic analyte is evident at monitor well MW-5. The concentration of cobalt in groundwater samples from monitor well MW-5 has strong evidence of an increasing trend. The historical increasing trend of cobalt concentrations in groundwater suggests a potential source of cobalt hydraulically

upgradient of this area. Continued monitoring for inorganic analytes at MW-5 is recommended to monitor the trend of increasing cobalt on water quality in this area. Hydrogeologic and chemical data necessary to model the fate and transport of VOCs and inorganic analytes in the area of MW-5 is in the process of being collected and analyzed so that concentrations of chemicals of concern downgradient of the landfill can be predicted and used to select possible corrective actions, if necessary.

The 95% UPL for the lead detection in monitor well MW-7A does not exceed its respective groundwater standard so no trend analysis was performed. Based on the July 2006 sampling event, future monitoring of Appendix I analytes at monitor well MW-7A are recommended to monitor the trend of improving water quality in this area of the landfill facility.

As required by North Carolina Solid Waste Management Rule .1634, these results should be forwarded to the owner/operator of the Edgecombe County Landfill for inclusion in the operating record and to the North Carolina Division of Solid Waste for their review.

7.0 REFERENCES

Department of Environment and Natural Resources, Division of Water Quality, *15A NC Administrative Code Subchapter 2B .0200 Classifications and Water Quality Standards Applicable to Surface Waters and Wetlands of NC*, August 2004.

Department of Environment and Natural Resources, Division of Water Quality, *15A NC Administrative Code Subchapter 2L .0200 Groundwater Quality Standards*, December 2005.

Department of Environment and Natural Resources, Division of Waste Management, *15A NC Administrative Code Subchapter 13B .1634(h) Solid Waste Groundwater Protection Standard, Solid Waste Management Rules*, November 2004.

Law Engineering Company, *Initial baseline Sampling of Groundwater, Edgecombe County Landfill*, October 1994.

Montgomery, John H., *Groundwater Chemicals, Second Edition Desk Reference*, CRC Press, Inc., 1996.

Pankow, James F. and Cherry, John A., *Dense Chlorinated Solvents and other DNAPLs in Groundwater*, p. 267-284, 1996.

US Department of Agriculture, Soil Conservation Service, *Soil Survey of Edgecombe County, NC*, November 1979.

TABLES

Table 1
Groundwater Elevation Data
Edgecombe County Landfill
July 11, 2006 Sampling Event
S&ME Project No. 1040-01-545E

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
P-1	6.10	NM	74.48	68.38
P-2A	12.95	27.5	83.61	70.66
P-3A	12.84	27.5	79.77	66.93
MW-1A	5.75	17.53	46.04	40.29
MW-3B	7.87	23.44	81.18	73.31
MW-4	5.26	19.86	68.95	63.69
MW-5	12.03	24.81	53.75	41.72
MW-5D	11.15	43	52.08	40.93
MW-5S	9.05	NM	50.54	41.49
MW-6	4.27	18.75	46.29	42.02
MW-7A	14.15	27.5	68.43	54.28
MW-8A	10.05	23	82.34	72.29
MW-9	4.09	15	72.41	68.32
MW-10	NM	12	75.78	NM

NOTES:
Top of Casing elevations from site survey
AMSL = Above Mean Sea Level
NM = Not Measured
(A or B) = Replacement Well

Table 2
Field Parameters
Edgecombe County Landfill
July 11, 2006 Sampling Event
S&ME Project No. 1040-01-545E

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MW-1A	5.77	0.504	18.76	0.50
MW-3B	3.95	0.240	22.20	0.30
MW-4	6.02	0.100	22.50	1.20
MW-5	6.07	0.949	17.35	-1.90
MW-6	5.28	0.210	19.35	7.60
MW-7A	4.69	0.737	17.32	9.70
MW-9	7.20	0.200	22.40	9.10

NOTES:

mS/cm = microsiemens/centimeter

°C = Degrees Celcius

NTUs = Nephelometric Turbidity Units

NM = Not Measured

Table 3
Groundwater/Surface Water Quality Summary
Edgecombe County Landfill
July 11, 2006 Sampling Event
S&ME Project No. 1040-01-545E

APPENDIX I ORGANIC COMPOUNDS	UNITS	2L STANDARD	MW-1A	MW-1B	MW-2	MW-5	MW-6	MW-7	MW-8	MW-9	2B STANDARD	SAMPLING LOCATION UPSTREAM	SAMPLING LOCATION DOWNSTREAM
BENZENE	µg/L	1	<5.0	<5.0	<5.0	**5.6 D**	<5.0	<5.0	<5.0	<5.0	1.19	<5.0	<5.0
TRICHLOROETHENE*	µg/L	2.8	<5.0	<5.0	<5.0	<2.0 D	<5.0	<5.0	<5.0	<5.0	3.08	<5.0	<5.0
1,1 DICHLOROETHANE	µg/L	70	<5.0	<5.0	<5.0	21.0 D	<5.0	<5.0	<5.0	<5.0	N/S	<5.0	<5.0
C-1,2 DICHLOROETHENE	µg/L	70	5.2	<5.0	<5.0	**987 D**	<5.0	<5.0	<5.0	<5.0	N/S	<5.0	<5.0
t-1,2-DICHLOROETHENE*	µg/L	100	<5.0	<5.0	<5.0	<2.0 D	<5.0	<5.0	<5.0	<5.0	11,000	<5.0	<5.0
CHLOROBENZENE	µg/L	50	<5.0	<5.0	<5.0	21.0 D	<5.0	<5.0	<5.0	<5.0	488	<5.0	<5.0
1,4-DICHLOROBENZENE	µg/L	75	<5.0	<5.0	<5.0	12.4 D	<5.0	<5.0	<5.0	<5.0	488	<5.0	<5.0
VINYL CHLORIDE	µg/L	0.015	<10.0	<10.0	<10.0	**54.5 D**	<10.0	<10.0	<10.0	<10.0	525	<10.0	<10.0
APPENDIX I INORGANIC COMPOUNDS	UNITS	2L STANDARD	MW-1A	MW-1B	MW-2	MW-5	MW-6	MW-7	MW-8	MW-9	2B STANDARD	SAMPLING LOCATION UPSTREAM	SAMPLING LOCATION DOWNSTREAM
COBALT	mg/L	0.002**	<0.010	**0.0345**	<0.010	**0.12**	<0.010	<0.010	<0.010	<0.010	N/S	<0.010	<0.010
LEAD	mg/L	0.015	<0.010	<0.010	<0.010	0.0108	<0.010	<0.010	.0127	<0.010	0.025	<0.010	<0.010
THALLIUM	mg/L	0.002**	<0.010	<0.010	<0.010	0.0735	<0.010	<0.010	<0.010	<0.010	N/S	<0.010	<0.010
ZINC	mg/L	1.05	<0.050	<0.050	<0.050	0.058	<0.050	<0.050	<0.050	<0.050	0.050	<0.050	<0.050

NOTES:
2L STANDARD = North Carolina groundwater standards as promulgated by 15A North Carolina Administrative Code, Subchapter 2L
2B STANDARD = North Carolina Class C surface water standards as promulgated in 15A North Carolina Administrative Code, Subchapter 2B
Compounds not shown were not detected during this sampling event
Samples were collected on July 11 2006, and analyzed by Environmental Conservation laboratories (ENCO). Detection limits are shown on laboratory reports.
Values which are **BOLDED** indicate levels above their respective NCDENR 2L or 2B Standards.
* Trichloroethene and trans-1,2-dichloroethene were not detected above PQLs during the July 2006 sampling event, but were detected above their PQL during the December 2005 sampling event.
** Indicates there is currently no 2L Standard. The target analyte was compared to the Solid Waste Groundwater Protection Standard (GWPST).
µg/L = Micrograms Per Liter
mg/L = Miligrams Per Liter
N/S = No Current Standard
J = Analyte detected; value is between the laboratory MDL and the PQL
D = Data reported from a dilution.

Table 4
Estimated Groundwater Flow Rates at Well Locations
Edgecombe County Landfill
July 11, 2006 Sampling Event
S&ME Project No. 1040-01-545E

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MW-1A	0.0214	2.06E-05	15	3.0
MW-3B	0.0221	9.72E-05	15	14.8
MW-5	0.0205	6.91E-05	15	9.7
MW-6	0.0213	1.29E-05	15	1.9
MW-7A	0.0180	8.39E-05	10	15.6
P-1	0.0119	3.65E-04	20	22.4

Note:
Historical hydraulic conductivity and porosity values are from October 1994 "Initial baseline Sampling of Groundwater, Edgecombe County Landfill", Prepared by Law Engineering Company. S&ME, INC. determined hydraulic conductivity data for MW-4, MW-7A, and P-1.
NM - Not Measured
NC - Not Calculated

Table 5
Non-detected Results Used to Select Statistical Tests
Laboratory Analytical Data from September 1994 to July 2006
Edgecombe Landfill, Tarboro, North Carolina
S&ME Project No. 1040-01-545E

Parameters	Number of Detected Values	Total Number of Values	Number of NDs[1]	Percent NDs[1]	Selected Test
Appendix I Volatile Organic Compounds					
Vinyl Chloride	30	225	195	87%	WRST[2]
Benzene	21	225	204	91%	WRST[2]
1,1-Dichloroethane	53	225	172	76%	WRST[2]
1,4-Dichlorobenzene	14	225	211	94%	WRST[2]
Cis-1,2-Dichloroethene	65	225	160	71%	WRST[2]
Trans-1,2-Dichloroethene*	13	225	212	94%	WRST[2]
Trichloroethene*	34	225	191	85%	WRST[2]
Chlorobenzene	21	225	204	91%	WRST[2]
Appendix I Inorganic List					
Cobalt	62	225	163	72%	WRST[2]
Lead	42	225	183	81%	WRST[2]
Thallium	3	202	199	99%	WRST[2]
Zinc	67	225	158	70%	WRST[2]

Notes:
NDs[1] = Non-detected Results
WRST[2] = Wilcoxon Rank Sum Test
* Trichloroethene and trans-1,2-dichloroethene were not detected above PQLs during the July 2006 sampling event. These two analytes were included in the statistical analysis because they were detected above their PQL and showed evidence of statistical release during previous sampling events.

Table 6
Summary of Statistical Analyses
Wilcoxon Rank Sum Test (Interwell Comparisons)
Laboratory Analytical Data January 1994 to July 2006
Edgecombe County Landfill, Tarboro, North Carolina
S&ME Project No. 1040-01-545E

Parameters	Evidence of Release MW-1A	Evidence of Release MW-5	Evidence of Release MW-6	Evidence of Release MW-7A
Appendix I Volatile Organic Compounds				
Vinyl Chloride	**YES**	**YES**	no	no
Benzene	no	**YES**	no	no
1,1-Dichloroethane	**YES**	**YES**	no	no
1,4-Dichlorobenzene	no	**YES**	no	no
Cis-1,2-Dichloroethene	**YES**	**YES**	no	**YES**
Trans-1,2-Dichloroethene*	no	**YES**	no	no
Trichloroethene*	**YES**	**YES**	no	no
Chlorobenzene	no	**YES**	no	no
Appendix I Inorganic List				
Cobalt	no	**YES**	no	no
Lead	no	no	no	no
Thallium	no	**YES**	no	no
Zinc	no	**YES**	no	no

Notes:
Tests compared at the 1% significance level.
Statistcal analysis of data was performed using the ChemStat® statistical software by Starpoint Software.
* Trichloroethene and trans-1,2-dichloroethene were not detected above PQLs during the July 2006 sampling event. These two analytes were included in the statistical analysis because they were detected above their PQL and showed evidence of statistical release during previous sampling events.

Table 7
Two-Way Test of Proportions
Non-Parametric Comparison of 95% Confidence Level to Applicable Standard
September 1994 to July 2006
Edgecombe County Landfill, Tarboro, North Carolina
S&ME Project No. 1040-01-545E

Parameters	Applicable Groundwater Quality Standard	Significant Evidence of Contamination at the 95% CL
Appendix I Volatile Organic Compounds		
Vinyl Chloride	**10 ug/L****	**Yes**
Benzene	**5 ug/L****	**Yes**
1,1-Dichloroethane	**70 ug/L**	**Yes**
1,4-Dichlorobenzene	75 ug/L	no
Cis-1,2-Dichloroethene	**70 ug/L**	**Yes**
Trans-1,2-Dichloroethene*	100 ug/L	no
Trichloroethene*	**5 ug/L****	**Yes**
Chlorobenzene	50 ug/L	no
Appendix I Inorganic List		
Cobalt	**0.01 mg/L****	**Yes**
Lead	0.015 mg/L	no
Thallium	0.01 mg/L**	no
Zinc	1.05 mg/L	no

Notes:
CL = Confidence Level
Statistcal analysis of data was performed using the ChemStat® statistical software by Starpoint Software.

* Trichloroethene and trans-1,2-dichloroethene were not detected above PQLs during the July 2006 sampling event. These two analytes were included in the statistical analysis because they were detected above their PQL and showed evidence of statistical release during previous sampling events.
** 15A NCAC 2L standard was below the practical quantitation limit (PQL). Comparison was made to the PQL.

Table 8
Trend Analyses (Mann-Kendall Trend Analyses / Sen's Slope Analyses)
for Significant Findings 1994 thru July 2006
Edgecombe County Landfill, Tarboro, North Carolina
S&ME Project No. 1040-01-545E

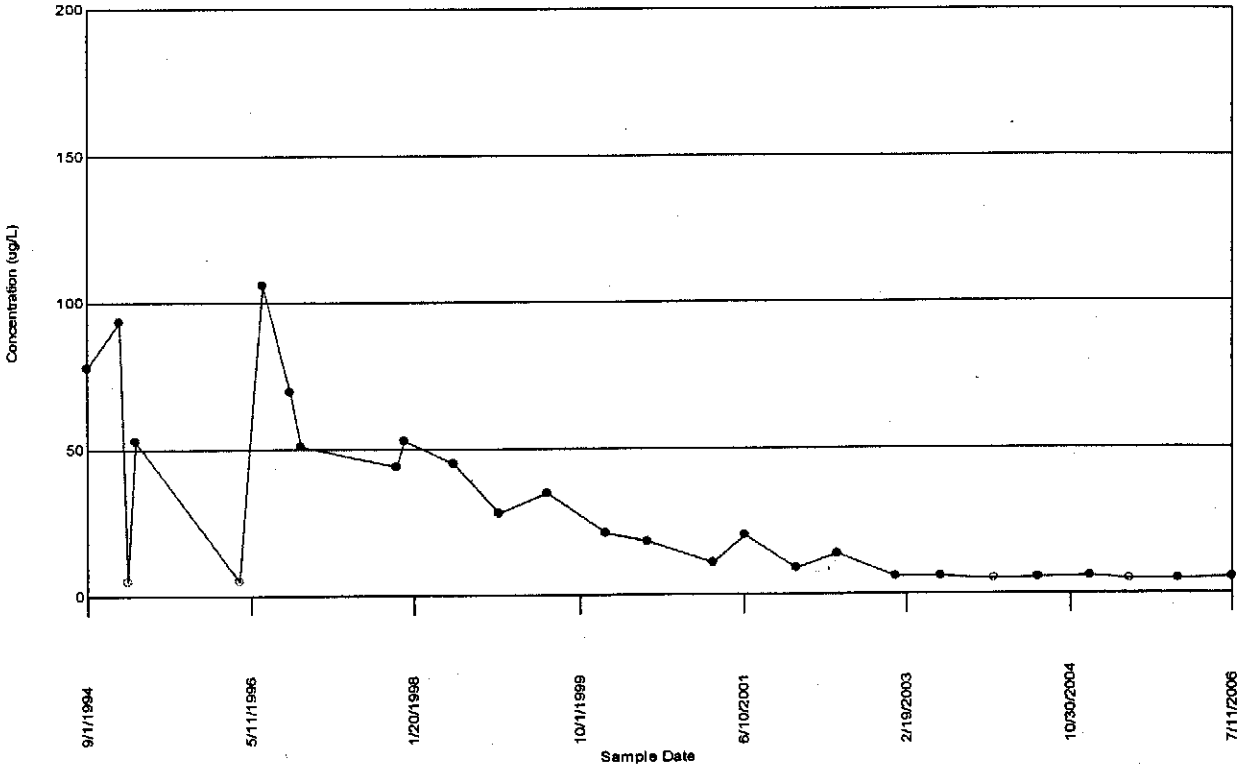
Parameters	**MW-1A**	**MW-5**	**MW-6**	**MW-7A**
Appendix I Volatile Organic Compounds				
Vinyl Chloride	No Trend / No Trend	No Trend / No Trend	na	na
Benzene	na	**Downward Trend / Downward Trend**	na	na
1,1-Dichloroethane	na	**Downward Trend / Downward Trend**	na	na
Cis-1,2-Dichloroethene	**Downward Trend / Downward Trend**	**Upward Trend / Upward Trend**	na	na
Trichloroethene	**Downward Trend** / No Trend	**Downward Trend / Downward Trend**	na	na
Appendix I Inorganic List				
Cobalt	na	**Upward Trend / Upward Trend**	na	na

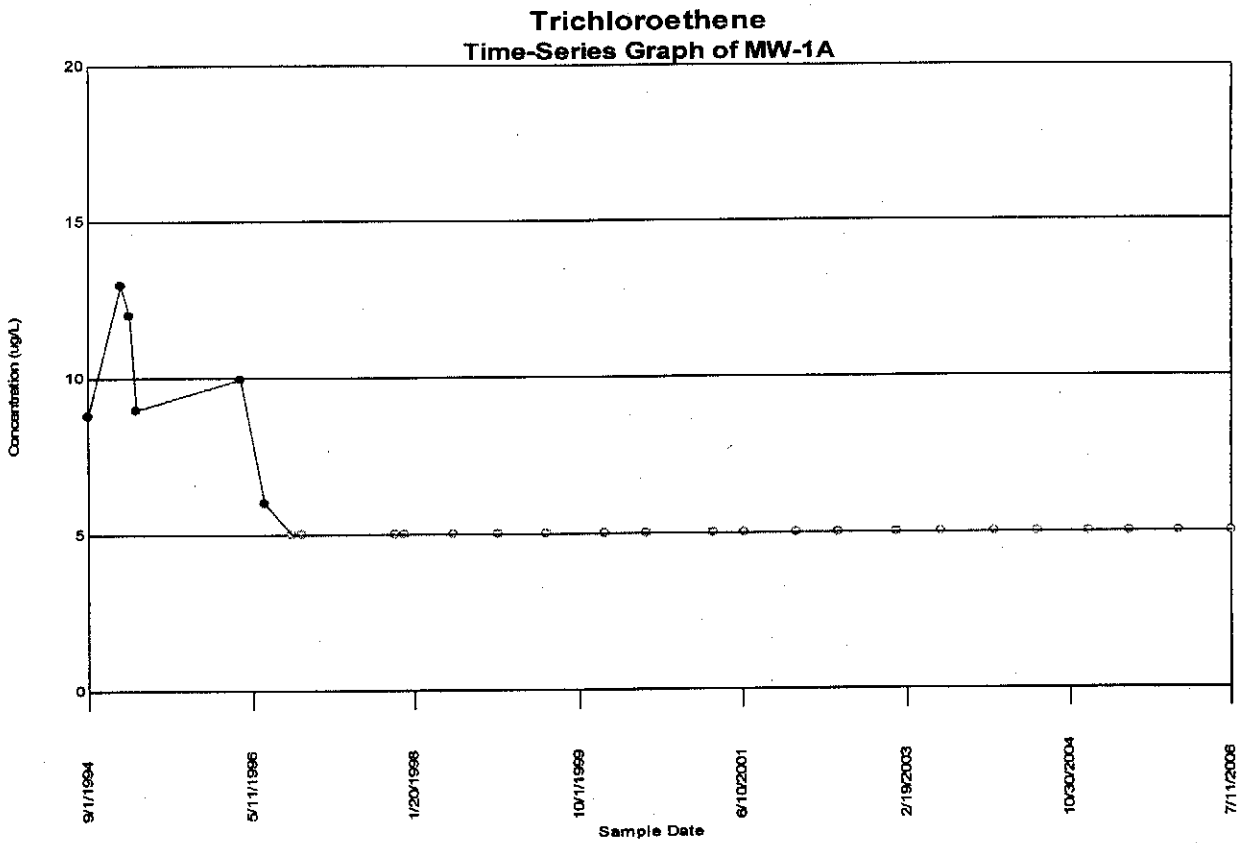
Notes:
na = not analyzed b/c 95%UPL did not exceed applicable groundwater standard
Data analysis was performed using the ChemStat® statistical software by Starpoint Software.

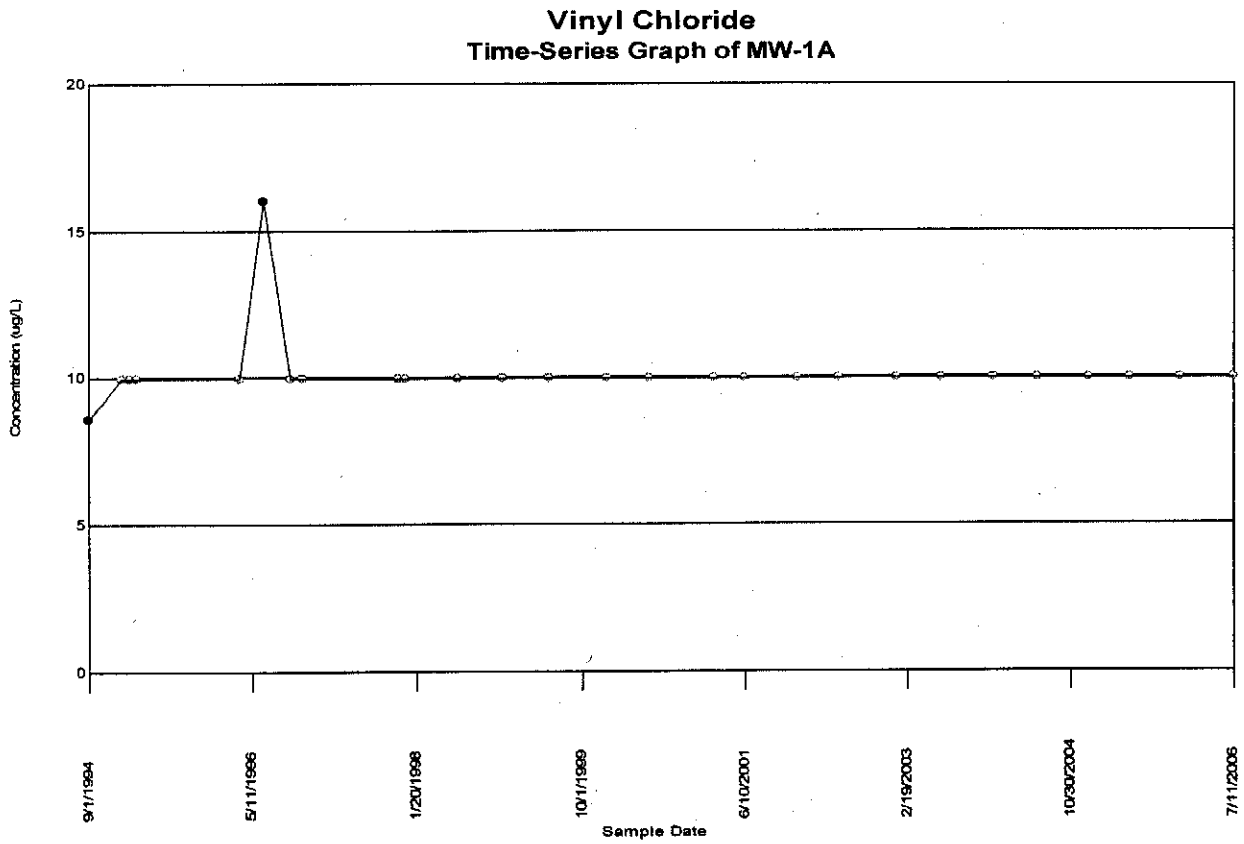
APPENDIX III

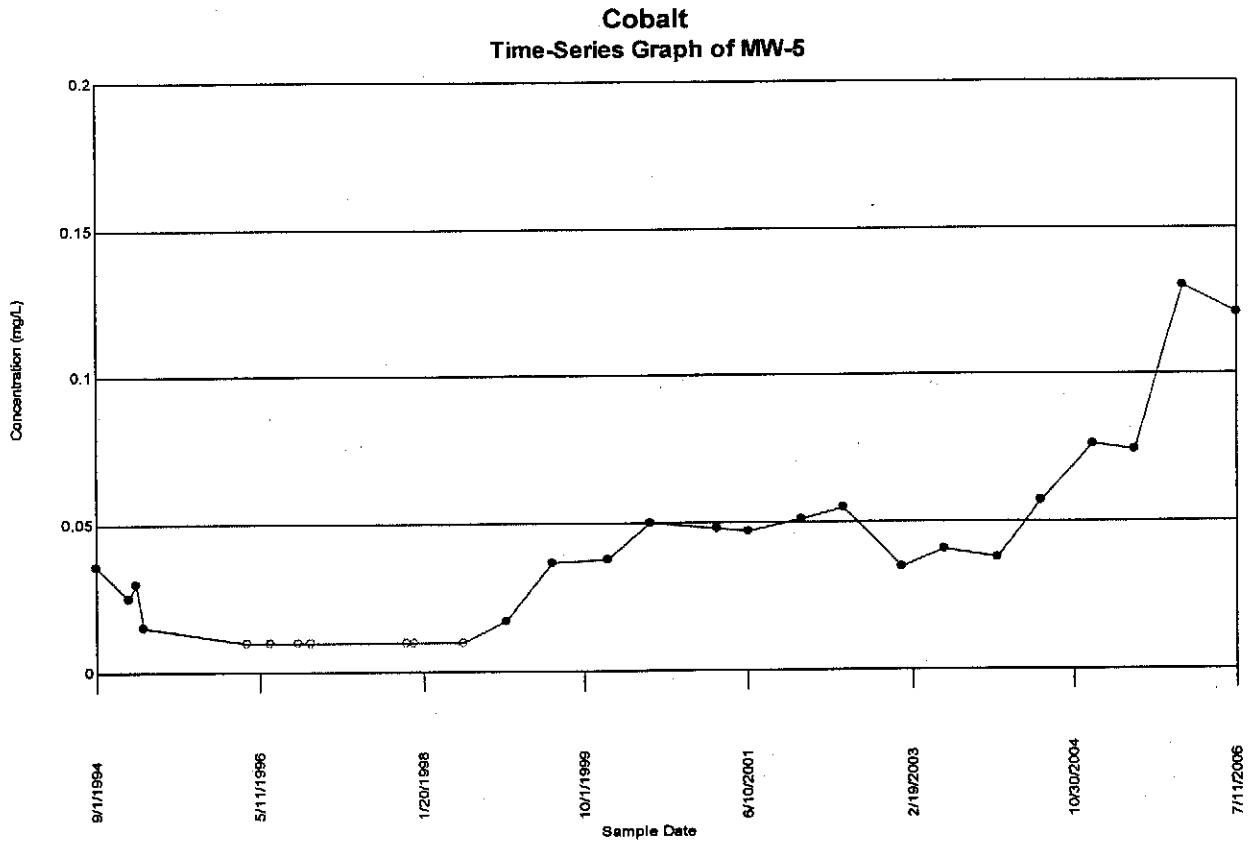
STIME SERIES GRAPHS FOR MONITOR WELLS MW-1A, MW-5 AND MW-7A

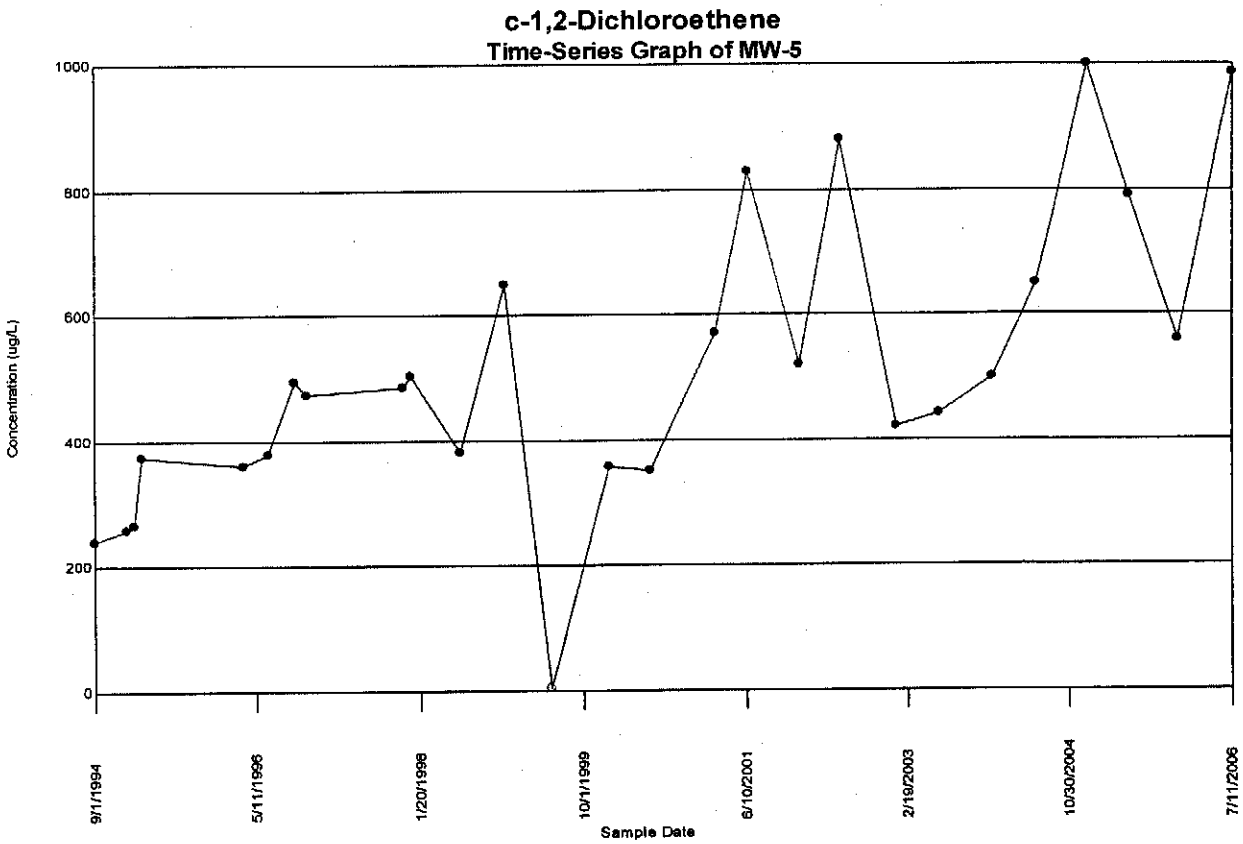
c-1,2-Dichloroethene
Time-Series Graph of MW-1A

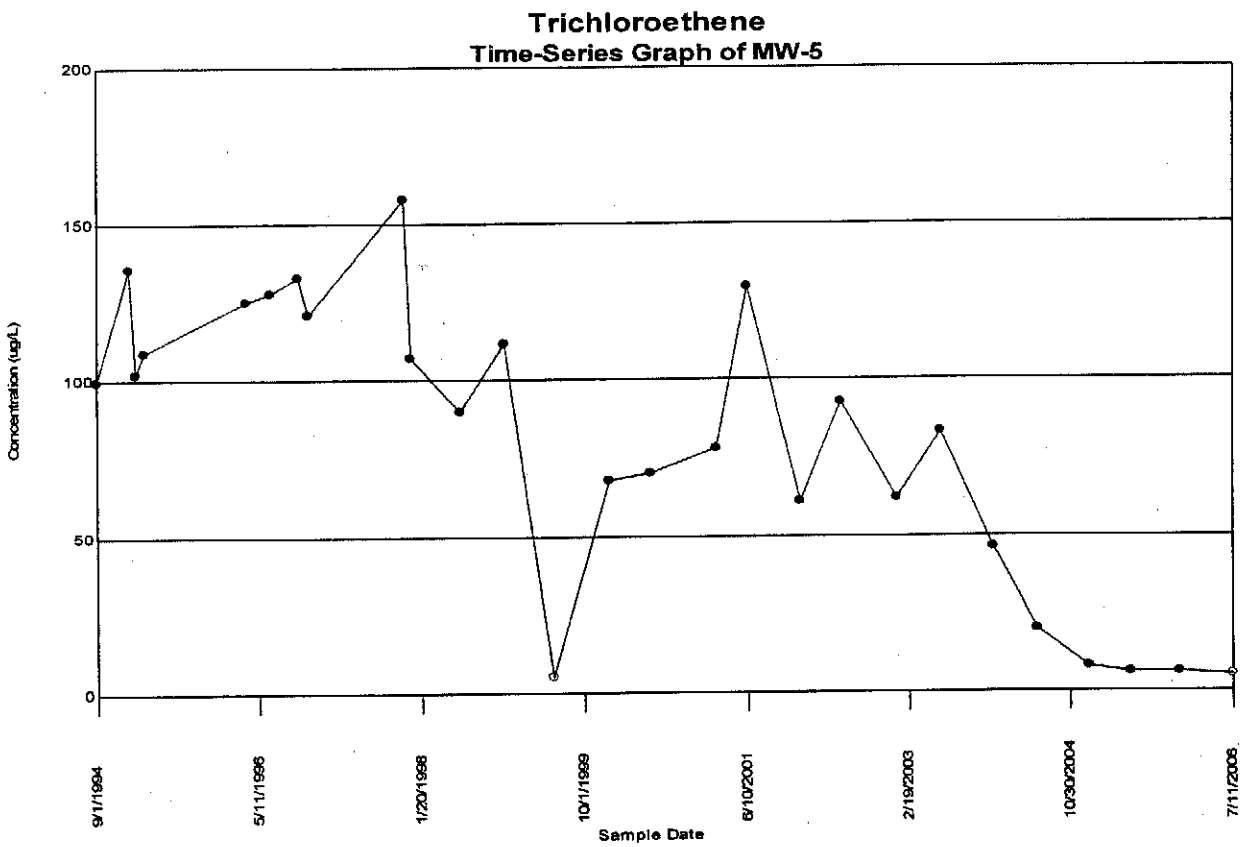



Trichloroethene
Time-Series Graph of MW-1A
Concentration (ug/L)
20
15
10
5
0
9/1/1994
5/11/1996
1/20/1998
10/1/1999
6/10/2001
2/19/2003
10/30/2004
7/11/2006
Sample Date

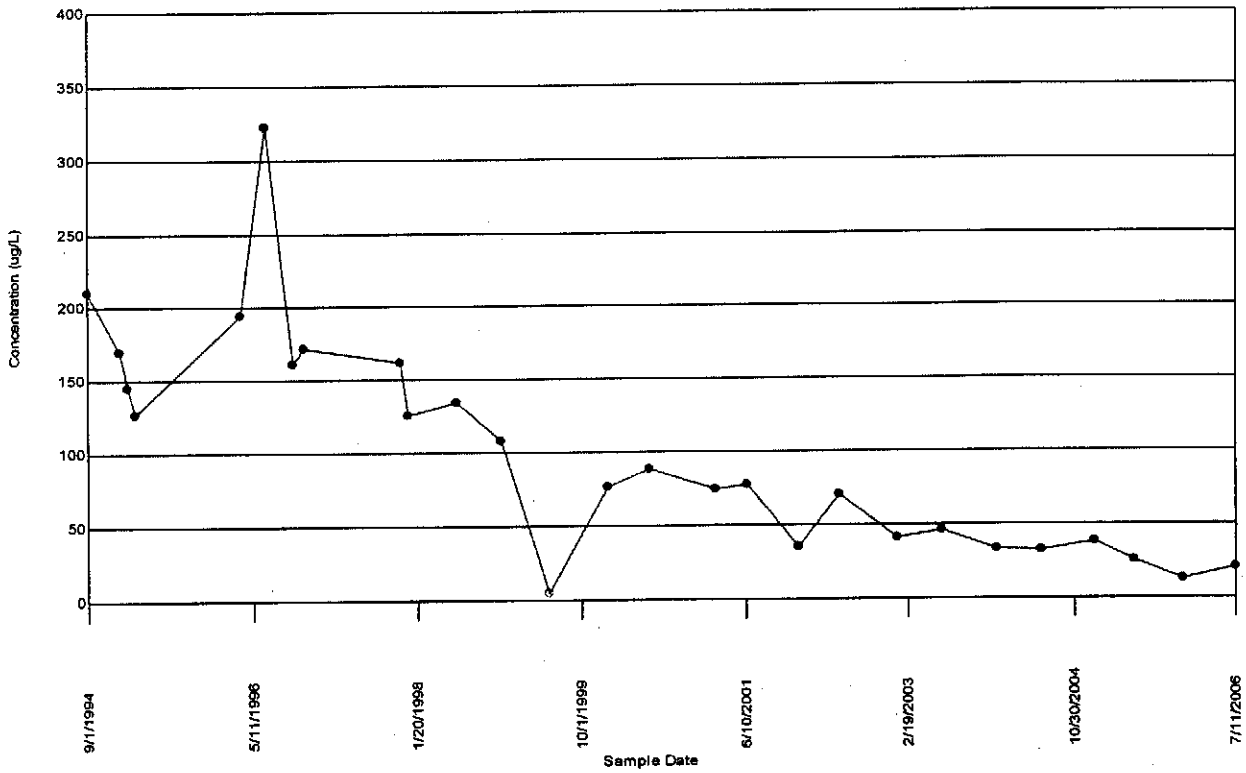

Vinyl Chloride
Time-Series Graph of MW-1A
Concentration (ug/L)
20
15
10
5
0
9/1/1994
5/11/1996
1/20/1998
10/1/1999
6/10/2001
2/19/2003
10/30/2004
7/11/2006
Sample Date

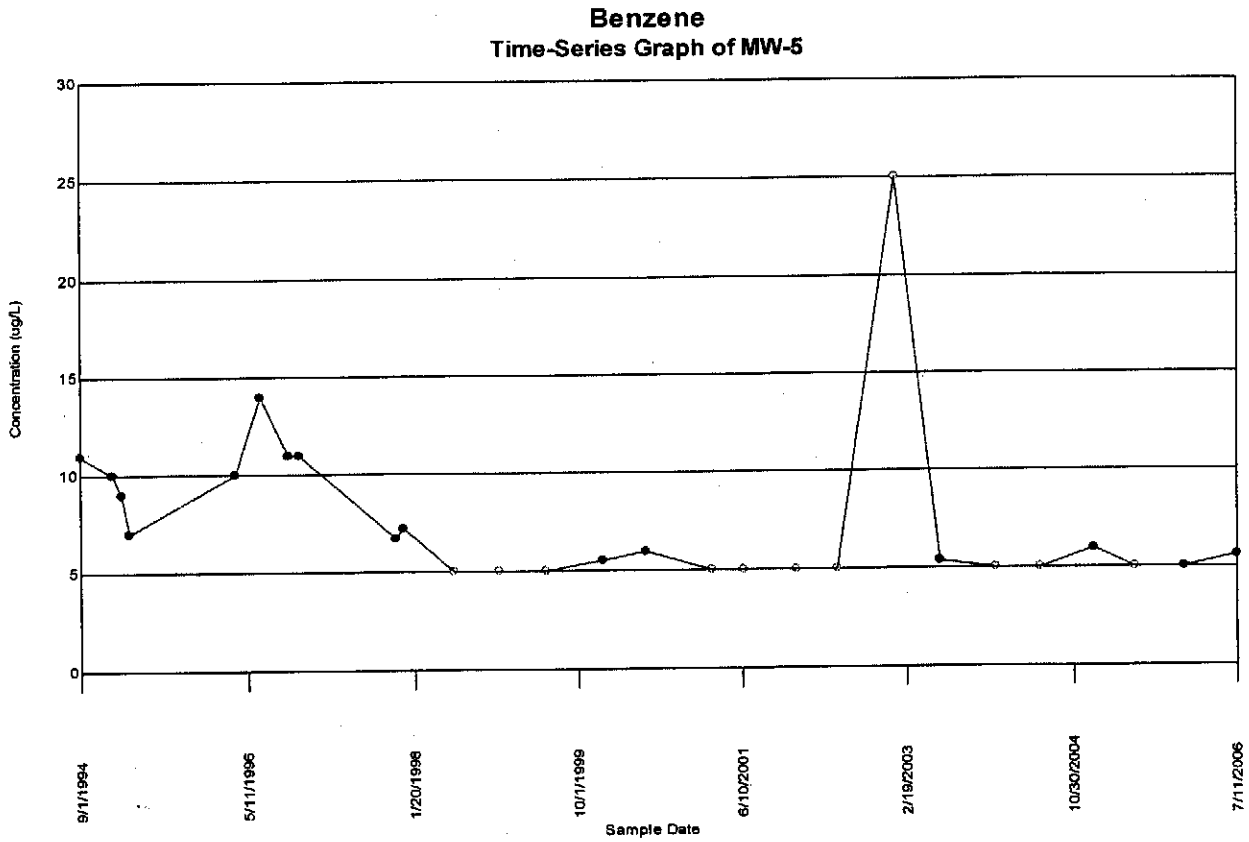

Cobalt
Time-Series Graph of MW-5
Concentration (mg/L)
0.2
0.15
0.1
0.05
0
9/1/1994
5/11/1996
1/20/1998
10/1/1999
6/10/2001
2/19/2003
10/30/2004
7/11/2006
Sample Date

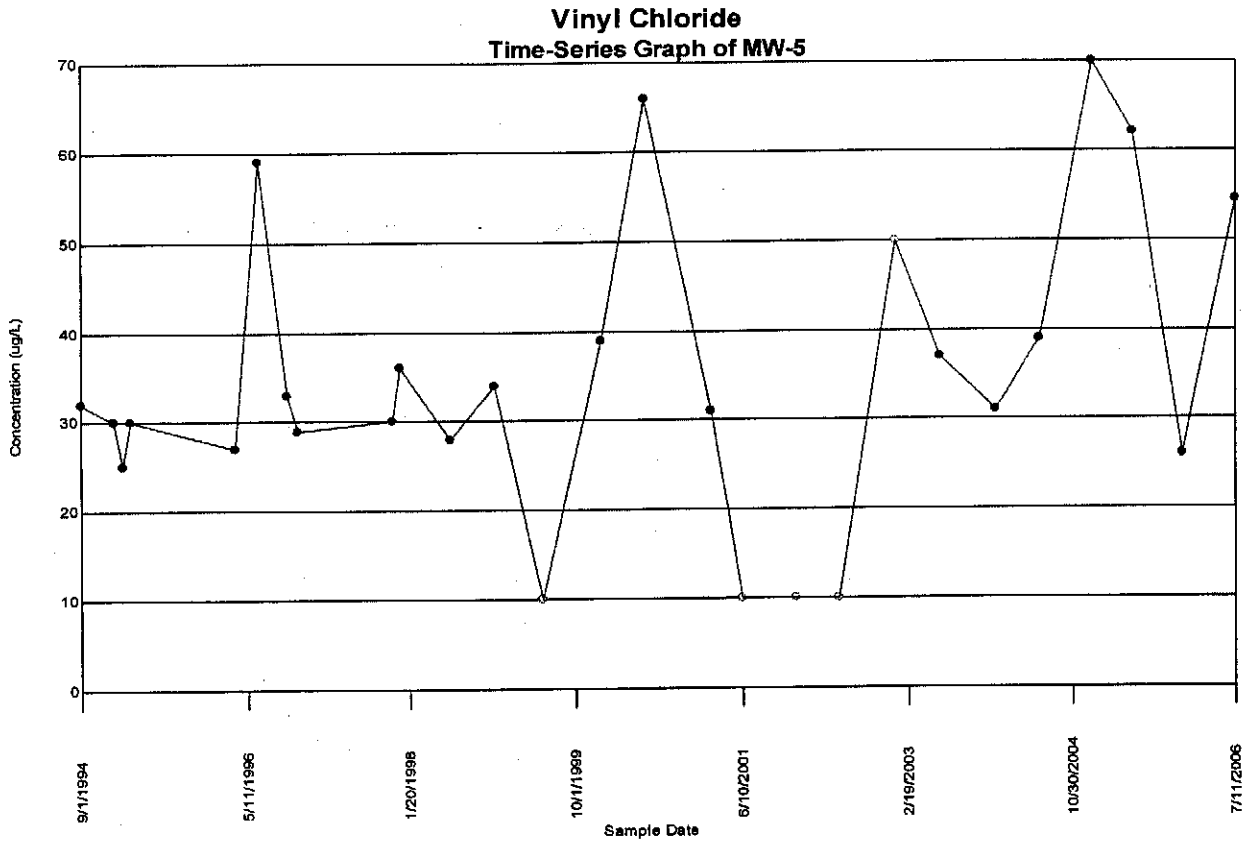

c-1,2-Dichloroethene
Time-Series Graph of MW-5
Concentration (ug/L)
1000
800
600
400
200
0
9/1/1994
5/11/1996
1/20/1998
10/1/1999
6/10/2001
2/19/2003
10/30/2004
7/11/2006
Sample Date

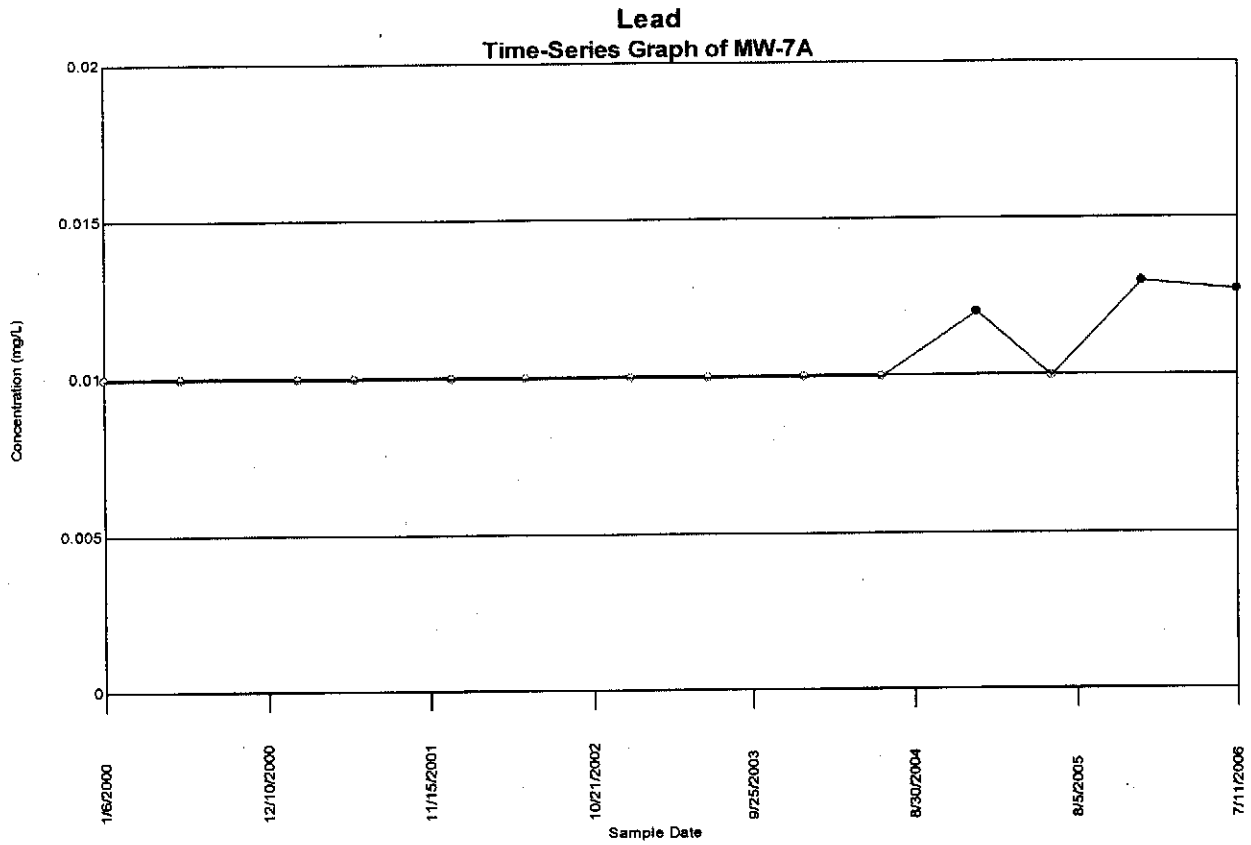

Trichloroethene
Time-Series Graph of MW-5
200
150
100
50
0
Concentration (ug/L)
9/1/1994
5/11/1996
1/20/1998
10/1/1999
6/10/2001
2/19/2003
10/30/2004
7/11/2006
Sample Date

1,1-Dichloroethane
Time-Series Graph of MW-5




Benzene
Time-Series Graph of MW-5
Concentration (ug/L)
30
25
20
15
10
5
0
9/1/1994
5/11/1996
1/20/1998
10/1/1999
6/10/2001
2/19/2003
10/30/2004
7/11/2006
Sample Date


Vinyl Chloride
Time-Series Graph of MW-5
Concentration (ug/L)
70
60
50
40
30
20
10
0
9/1/1994
5/11/1996
1/20/1998
10/1/1999
6/10/2001
2/19/2003
10/30/2004
7/11/2006
Sample Date


Lead
Time-Series Graph of MW-7A
0.02
0.015
0.01
0.005
0
Concentration (mg/L)
1/6/2000
12/10/2000
11/15/2001
10/21/2002
9/25/2003
8/30/2004
8/5/2005
7/11/2006
Sample Date

APPENDIX I

REPORT OF LABORATORY ANALYSES

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

www.encolabs.com

Tuesday, July 25, 2006

S&ME, Inc. (SM001)
Attn: Sam Watts
3901 Spring Forest Road
Raleigh, NC 27616

RE: Project Number: 1040-01-545E, Project Name/Desc: Edgecombe County Landfill
ENCO Workorder: C601990

Dear Sam Watts,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Wednesday, July 12, 2006.

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

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

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

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

Sincerely,

Bob George For Chuck Smith
Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 49.

www.encolabs.com

Client ID: MW-6 **Lab ID:** C601990-05

Sampled: 07/11/06 17:05 **Received:** 07/12/06 09:10

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 376.1	07/18/06	07/14/06 07:32	7/14/2006 14:15
EPA 6010B	01/07/07	07/13/06 11:11	7/14/2006 15:33
EPA 8260B	07/25/06	07/20/06 08:39	7/20/2006 19:48
EPA 9014	07/25/06	07/18/06 09:58	7/21/2006 09:54

Client ID: MW-7A **Lab ID:** C601990-06

Sampled: 07/11/06 16:35 **Received:** 07/12/06 09:10

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 376.1	07/18/06	07/14/06 07:32	7/14/2006 14:15
EPA 6010B	01/07/07	07/13/06 11:11	7/14/2006 15:40
EPA 8260B	07/25/06	07/20/06 08:39	7/20/2006 20:14
EPA 9014	07/25/06	07/18/06 09:58	7/21/2006 09:54

Client ID: MW-9 **Lab ID:** C601990-07

Sampled: 07/11/06 15:50 **Received:** 07/12/06 09:10

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 376.1	07/18/06	07/14/06 07:32	7/14/2006 14:15
EPA 6010B	01/07/07	07/13/06 11:11	7/14/2006 15:47
EPA 8260B	07/25/06	07/20/06 08:39	7/20/2006 22:54
EPA 9014	07/25/06	07/18/06 09:58	7/21/2006 09:54

Client ID: Upstream **Lab ID:** C601990-08

Sampled: 07/11/06 16:20 **Received:** 07/12/06 09:10

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	01/07/07	07/13/06 11:11	7/14/2006 15:54
EPA 8260B	07/25/06	07/20/06 08:39	7/20/2006 23:20

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	MW-1A	Project:	Edgecombe County Landfill
Lab #:	C601990-01	Work Order #:	C601990
Prep. Method:	EPA 5030B_MS	Matrix:	Water
Analyzed:	07/20/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6G20009		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	1.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	5 U	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	1.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	1.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	1.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	1.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	1.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	1.0	5	ug/L
2-Butanone	78-93-3	100 U	2.0	100	ug/L
2-Hexanone	591-78-6	50 U	2.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	2.0	100	ug/L
Acetone	67-64-1	100 U	2.0	100	ug/L
Acrylonitrile	107-13-1	200 U	5.0	200	ug/L
Benzene	71-43-2	5 U	1.0	5	ug/L
Bromochloromethane	74-97-5	5 U	1.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	1.0	5	ug/L
Bromoform	75-25-2	5 U	1.0	5	ug/L
Bromomethane	74-83-9	10 U	1.0	10	ug/L
Carbon disulfide	75-15-0	100 U	2.0	100	ug/L
Carbon tetrachloride	56-23-5	10 U	1.0	10	ug/L
Chlorobenzene	108-90-7	5 U	1.0	5	ug/L
Chloroethane	75-00-3	10 U	1.0	10	ug/L
Chloroform	67-66-3	5 U	1.0	5	ug/L
Chloromethane	74-87-3	10 U	1.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	**5.2**	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	1.0	10	ug/L
Dibromochloromethane	124-48-1	5 U	1.0	5	ug/L
Dibromomethane	74-95-3	10 U	1.0	10	ug/L
Ethylbenzene	100-41-4	5 U	1.0	5	ug/L
Iodomethane	74-88-4	10 U	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	2.0	5	ug/L
Methylene chloride	75-09-2	10 U	1.0	10	ug/L
o-Xylene	95-47-6	5 U	1.0	5	ug/L
Styrene	100-42-5	10 U	1.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	1.0	5	ug/L

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	MW-1A	Project:	Edgecombe County Landfill
Lab #:	C601990-01	Work Order #:	C601990
		Matrix:	Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results		MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	30	U	10.0	30	ug/L	EPA 6010B	EPA 3005A	6G13014
Arsenic	7440-38-2	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Barium	7440-39-3	500	U	20.0	500	ug/L	EPA 6010B	EPA 3005A	6G13014
Beryllium	7440-41-7	2	U	1.00	2	ug/L	EPA 6010B	EPA 3005A	6G13014
Cadmium	7440-43-9	1	U	1.00	1	ug/L	EPA 6010B	EPA 3005A	6G13014
Chromium	7440-47-3	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Cobalt	7440-48-4	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Copper	7440-50-8	200	U	10.0	200	ug/L	EPA 6010B	EPA 3005A	6G13014
Lead	7439-92-1	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Nickel	7440-02-0	50	U	50.0	50	ug/L	EPA 6010B	EPA 3005A	6G13014
Selenium	7782-49-2	20	U	10.0	20	ug/L	EPA 6010B	EPA 3005A	6G13014
Silver	7440-22-4	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Thallium	7440-28-0	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Vanadium	7440-62-2	40	U	10.0	40	ug/L	EPA 6010B	EPA 3005A	6G13014
Zinc	7440-66-6	50	U	10.0	50	ug/L	EPA 6010B	EPA 3005A	6G13014

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	MW-3A	Project:	Edgecombe County Landfill
Lab #:	C601990-02	Work Order #:	C601990
Prep. Method:	EPA 5030B_MS	Matrix:	Water
Analyzed:	07/20/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6G20009		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	1.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	5 U	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	1.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	1.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	1.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	1.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	1.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	1.0	5	ug/L
2-Butanone	78-93-3	100 U	2.0	100	ug/L
2-Hexanone	591-78-6	50 U	2.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	2.0	100	ug/L
Acetone	67-64-1	100 U	2.0	100	ug/L
Acrylonitrile	107-13-1	200 U	5.0	200	ug/L
Benzene	71-43-2	5 U	1.0	5	ug/L
Bromochloromethane	74-97-5	5 U	1.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	1.0	5	ug/L
Bromoform	75-25-2	5 U	1.0	5	ug/L
Bromomethane	74-83-9	10 U	1.0	10	ug/L
Carbon disulfide	75-15-0	100 U	2.0	100	ug/L
Carbon tetrachloride	56-23-5	10 U	1.0	10	ug/L
Chlorobenzene	108-90-7	5 U	1.0	5	ug/L
Chloroethane	75-00-3	10 U	1.0	10	ug/L
Chloroform	67-66-3	5 U	1.0	5	ug/L
Chloromethane	74-87-3	10 U	1.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	1.0	10	ug/L
Dibromochloromethane	124-48-1	5 U	1.0	5	ug/L
Dibromomethane	74-95-3	10 U	1.0	10	ug/L
Ethylbenzene	100-41-4	5 U	1.0	5	ug/L
Iodomethane	74-88-4	10 U	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	2.0	5	ug/L
Methylene chloride	75-09-2	10 U	1.0	10	ug/L
o-Xylene	95-47-6	5 U	1.0	5	ug/L
Styrene	100-42-5	10 U	1.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	1.0	5	ug/L

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	MW-3A	Project:	Edgecombe County Landfill
Lab #:	C601990-02	Work Order #:	C601990
		Matrix:	Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results		MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	30	U	10.0	30	ug/L	EPA 6010B	EPA 3005A	6G13014
Arsenic	7440-38-2	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Barium	7440-39-3	500	U	20.0	500	ug/L	EPA 6010B	EPA 3005A	6G13014
Beryllium	7440-41-7	2	U	1.00	2	ug/L	EPA 6010B	EPA 3005A	6G13014
Cadmium	7440-43-9	1	U	1.00	1	ug/L	EPA 6010B	EPA 3005A	6G13014
Chromium	7440-47-3	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Cobalt	7440-48-4	**34.5**		10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Copper	7440-50-8	200	U	10.0	200	ug/L	EPA 6010B	EPA 3005A	6G13014
Lead	7439-92-1	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Nickel	7440-02-0	50	U	50.0	50	ug/L	EPA 6010B	EPA 3005A	6G13014
Selenium	7782-49-2	20	U	10.0	20	ug/L	EPA 6010B	EPA 3005A	6G13014
Silver	7440-22-4	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Thallium	7440-28-0	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Vanadium	7440-62-2	40	U	10.0	40	ug/L	EPA 6010B	EPA 3005A	6G13014
Zinc	7440-66-6	50	U	10.0	50	ug/L	EPA 6010B	EPA 3005A	6G13014

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	MW-4	Project:	Edgecombe County Landfill
Lab #:	C601990-03	Work Order #:	C601990
Prep. Method:	EPA 5030B_MS	Matrix:	Water
Analyzed:	07/20/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6G20009		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	1.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	5 U	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	1.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	1.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	1.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	1.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	1.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	1.0	5	ug/L
2-Butanone	78-93-3	100 U	2.0	100	ug/L
2-Hexanone	591-78-6	50 U	2.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	2.0	100	ug/L
Acetone	67-64-1	100 U	2.0	100	ug/L
Acrylonitrile	107-13-1	200 U	5.0	200	ug/L
Benzene	71-43-2	5 U	1.0	5	ug/L
Bromochloromethane	74-97-5	5 U	1.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	1.0	5	ug/L
Bromoform	75-25-2	5 U	1.0	5	ug/L
Bromomethane	74-83-9	10 U	1.0	10	ug/L
Carbon disulfide	75-15-0	100 U	2.0	100	ug/L
Carbon tetrachloride	56-23-5	10 U	1.0	10	ug/L
Chlorobenzene	108-90-7	5 U	1.0	5	ug/L
Chloroethane	75-00-3	10 U	1.0	10	ug/L
Chloroform	67-66-3	5 U	1.0	5	ug/L
Chloromethane	74-87-3	10 U	1.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	1.0	10	ug/L
Dibromochloromethane	124-48-1	5 U	1.0	5	ug/L
Dibromomethane	74-95-3	10 U	1.0	10	ug/L
Ethylbenzene	100-41-4	5 U	1.0	5	ug/L
Iodomethane	74-88-4	10 U	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	2.0	5	ug/L
Methylene chloride	75-09-2	10 U	1.0	10	ug/L
o-Xylene	95-47-6	5 U	1.0	5	ug/L
Styrene	100-42-5	10 U	1.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	1.0	5	ug/L

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	MW-4	Project:	Edgecombe County Landfill
Lab #:	C601990-03	Work Order #:	C601990
		Matrix:	Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results		MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	30	U	10.0	30	ug/L	EPA 6010B	EPA 3005A	6G13014
Arsenic	7440-38-2	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Barium	7440-39-3	500	U	20.0	500	ug/L	EPA 6010B	EPA 3005A	6G13014
Beryllium	7440-41-7	2	U	1.00	2	ug/L	EPA 6010B	EPA 3005A	6G13014
Cadmium	7440-43-9	1	U	1.00	1	ug/L	EPA 6010B	EPA 3005A	6G13014
Chromium	7440-47-3	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Cobalt	7440-48-4	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Copper	7440-50-8	200	U	10.0	200	ug/L	EPA 6010B	EPA 3005A	6G13014
Lead	7439-92-1	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Nickel	7440-02-0	50	U	50.0	50	ug/L	EPA 6010B	EPA 3005A	6G13014
Selenium	7782-49-2	20	U	10.0	20	ug/L	EPA 6010B	EPA 3005A	6G13014
Silver	7440-22-4	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Thallium	7440-28-0	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Vanadium	7440-62-2	40	U	10.0	40	ug/L	EPA 6010B	EPA 3005A	6G13014
Zinc	7440-66-6	50	U	10.0	50	ug/L	EPA 6010B	EPA 3005A	6G13014

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	MW-5	Project:	Edgecombe County Landfill
Lab #:	C601990-04	Work Order #:	C601990
Prep. Method:	EPA 5030B_MS	Matrix:	Water
Analyzed:	07/20/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	5
Anal. Batch:			
QC Batch:	6G20009		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U, D	5.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U, D	5.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U, D	5.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U, D	5.0	5	ug/L
1,1-Dichloroethane	75-34-3	**21.0** D	5.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U, D	5.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U, D	5.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U, D	5.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U, D	5.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U, D	5.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U, D	5.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U, D	5.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	**12.4** D	5.0	5	ug/L
2-Butanone	78-93-3	100 U, D	10.0	100	ug/L
2-Hexanone	591-78-6	50 U, D	10.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U, D	10.0	100	ug/L
Acetone	67-64-1	100 U, D	10.0	100	ug/L
Acrylonitrile	107-13-1	200 U, D	25.0	200	ug/L
Benzene	71-43-2	**5.6** D	5.0	5	ug/L
Bromochloromethane	74-97-5	5 U, D	5.0	5	ug/L
Bromodichloromethane	75-27-4	5 U, D	5.0	5	ug/L
Bromoform	75-25-2	5 U, D	5.0	5	ug/L
Bromomethane	74-83-9	10 U, D	5.0	10	ug/L
Carbon disulfide	75-15-0	100 U, D	10.0	100	ug/L
Carbon tetrachloride	56-23-5	10 U, D	5.0	10	ug/L
Chlorobenzene	108-90-7	**21.0** D	5.0	5	ug/L
Chloroethane	75-00-3	10 U, D	5.0	10	ug/L
Chloroform	67-66-3	5 U, D	5.0	5	ug/L
Chloromethane	74-87-3	10 U, D	5.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	**987** D	5.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U, D	5.0	10	ug/L
Dibromochloromethane	124-48-1	5 U, D	5.0	5	ug/L
Dibromomethane	74-95-3	10 U, D	5.0	10	ug/L
Ethylbenzene	100-41-4	5 U, D	5.0	5	ug/L
Iodomethane	74-88-4	10 U, D	10.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U, D	10.0	5	ug/L
Methylene chloride	75-09-2	10 U, D	5.0	10	ug/L
o-Xylene	95-47-6	5 U, D	5.0	5	ug/L
Styrene	100-42-5	10 U, D	5.0	10	ug/L
Tetrachloroethene	127-18-4	5 U, D	5.0	5	ug/L

www.encolabs.com

ANALYTICAL REPORT

Sample ID: MW-5
Lab #: C601990-04

Project: Edgecombe County Landfill
Work Order #: C601990
Matrix: Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results		MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	30	U	10.0	30	ug/L	EPA 6010B	EPA 3005A	6G13014
Arsenic	7440-38-2	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Barium	7440-39-3	500	U	20.0	500	ug/L	EPA 6010B	EPA 3005A	6G13014
Beryllium	7440-41-7	2	U	1.00	2	ug/L	EPA 6010B	EPA 3005A	6G13014
Cadmium	7440-43-9	1	U	1.00	1	ug/L	EPA 6010B	EPA 3005A	6G13014
Chromium	7440-47-3	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Cobalt	7440-48-4	**121**		10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Copper	7440-50-8	200	U	10.0	200	ug/L	EPA 6010B	EPA 3005A	6G13014
Lead	7439-92-1	**10.8**		10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Nickel	7440-02-0	50	U	50.0	50	ug/L	EPA 6010B	EPA 3005A	6G13014
Selenium	7782-49-2	20	U	10.0	20	ug/L	EPA 6010B	EPA 3005A	6G13014
Silver	7440-22-4	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Thallium	7440-28-0	**73.5**		10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Vanadium	7440-62-2	40	U	10.0	40	ug/L	EPA 6010B	EPA 3005A	6G13014
Zinc	7440-66-6	**58.0**		10.0	50	ug/L	EPA 6010B	EPA 3005A	6G13014

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	MW-6	Project:	Edgecombe County Landfill
Lab #:	C601990-05	Work Order #:	C601990
Prep. Method:	EPA 5030B_MS	Matrix:	Water
Analyzed:	07/20/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6G20009		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	1.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	5 U	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	1.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	1.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	1.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	1.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	1.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	1.0	5	ug/L
2-Butanone	78-93-3	100 U	2.0	100	ug/L
2-Hexanone	591-78-6	50 U	2.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	2.0	100	ug/L
Acetone	67-64-1	100 U	2.0	100	ug/L
Acrylonitrile	107-13-1	200 U	5.0	200	ug/L
Benzene	71-43-2	5 U	1.0	5	ug/L
Bromochloromethane	74-97-5	5 U	1.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	1.0	5	ug/L
Bromoform	75-25-2	5 U	1.0	5	ug/L
Bromomethane	74-83-9	10 U	1.0	10	ug/L
Carbon disulfide	75-15-0	100 U	2.0	100	ug/L
Carbon tetrachloride	56-23-5	10 U	1.0	10	ug/L
Chlorobenzene	108-90-7	5 U	1.0	5	ug/L
Chloroethane	75-00-3	10 U	1.0	10	ug/L
Chloroform	67-66-3	5 U	1.0	5	ug/L
Chloromethane	74-87-3	10 U	1.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	1.0	10	ug/L
Dibromochloromethane	124-48-1	5 U	1.0	5	ug/L
Dibromomethane	74-95-3	10 U	1.0	10	ug/L
Ethylbenzene	100-41-4	5 U	1.0	5	ug/L
Iodomethane	74-88-4	10 U	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	2.0	5	ug/L
Methylene chloride	75-09-2	10 U	1.0	10	ug/L
o-Xylene	95-47-6	5 U	1.0	5	ug/L
Styrene	100-42-5	10 U	1.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	1.0	5	ug/L

www.encolabs.com

ANALYTICAL REPORT

Sample ID: MW-6
Lab #: C601990-05

Project: Edgecombe County Landfill
Work Order #: C601990
Matrix: Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results		MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	30	U	10.0	30	ug/L	EPA 6010B	EPA 3005A	6G13014
Arsenic	7440-38-2	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Barium	7440-39-3	500	U	20.0	500	ug/L	EPA 6010B	EPA 3005A	6G13014
Beryllium	7440-41-7	2	U	1.00	2	ug/L	EPA 6010B	EPA 3005A	6G13014
Cadmium	7440-43-9	1	U	1.00	1	ug/L	EPA 6010B	EPA 3005A	6G13014
Chromium	7440-47-3	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Cobalt	7440-48-4	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Copper	7440-50-8	200	U	10.0	200	ug/L	EPA 6010B	EPA 3005A	6G13014
Lead	7439-92-1	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Nickel	7440-02-0	50	U	50.0	50	ug/L	EPA 6010B	EPA 3005A	6G13014
Selenium	7782-49-2	20	U	10.0	20	ug/L	EPA 6010B	EPA 3005A	6G13014
Silver	7440-22-4	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Thallium	7440-28-0	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Vanadium	7440-62-2	40	U	10.0	40	ug/L	EPA 6010B	EPA 3005A	6G13014
Zinc	7440-66-6	50	U	10.0	50	ug/L	EPA 6010B	EPA 3005A	6G13014

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	MW-7A	Project:	Edgecombe County Landfill
Lab #:	C601990-06	Work Order #:	C601990
Prep. Method:	EPA 5030B_MS	Matrix:	Water
Analyzed:	07/20/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6G20009		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	1.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	5 U	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	1.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	1.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	1.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	1.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	1.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	1.0	5	ug/L
2-Butanone	78-93-3	100 U	2.0	100	ug/L
2-Hexanone	591-78-6	50 U	2.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	2.0	100	ug/L
Acetone	67-64-1	100 U	2.0	100	ug/L
Acrylonitrile	107-13-1	200 U	5.0	200	ug/L
Benzene	71-43-2	5 U	1.0	5	ug/L
Bromochloromethane	74-97-5	5 U	1.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	1.0	5	ug/L
Bromoform	75-25-2	5 U	1.0	5	ug/L
Bromomethane	74-83-9	10 U	1.0	10	ug/L
Carbon disulfide	75-15-0	100 U	2.0	100	ug/L
Carbon tetrachloride	56-23-5	10 U	1.0	10	ug/L
Chlorobenzene	108-90-7	5 U	1.0	5	ug/L
Chloroethane	75-00-3	10 U	1.0	10	ug/L
Chloroform	67-66-3	5 U	1.0	5	ug/L
Chloromethane	74-87-3	10 U	1.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	1.0	10	ug/L
Dibromochloromethane	124-48-1	5 U	1.0	5	ug/L
Dibromomethane	74-95-3	10 U	1.0	10	ug/L
Ethylbenzene	100-41-4	5 U	1.0	5	ug/L
Iodomethane	74-88-4	10 U	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	2.0	5	ug/L
Methylene chloride	75-09-2	10 U	1.0	10	ug/L
o-Xylene	95-47-6	5 U	1.0	5	ug/L
Styrene	100-42-5	10 U	1.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	1.0	5	ug/L

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	MW-7A	Project:	Edgecombe County Landfill
Lab #:	C601990-06	Work Order #:	C601990
		Matrix:	Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results		MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	30	U	10.0	30	ug/L	EPA 6010B	EPA 3005A	6G13014
Arsenic	7440-38-2	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Barium	7440-39-3	500	U	20.0	500	ug/L	EPA 6010B	EPA 3005A	6G13014
Beryllium	7440-41-7	2	U	1.00	2	ug/L	EPA 6010B	EPA 3005A	6G13014
Cadmium	7440-43-9	1	U	1.00	1	ug/L	EPA 6010B	EPA 3005A	6G13014
Chromium	7440-47-3	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Cobalt	7440-48-4	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Copper	7440-50-8	200	U	10.0	200	ug/L	EPA 6010B	EPA 3005A	6G13014
Lead	7439-92-1	**12.7**		10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Nickel	7440-02-0	50	U	50.0	50	ug/L	EPA 6010B	EPA 3005A	6G13014
Selenium	7782-49-2	20	U	10.0	20	ug/L	EPA 6010B	EPA 3005A	6G13014
Silver	7440-22-4	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Thallium	7440-28-0	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Vanadium	7440-62-2	40	U	10.0	40	ug/L	EPA 6010B	EPA 3005A	6G13014
Zinc	7440-66-6	50	U	10.0	50	ug/L	EPA 6010B	EPA 3005A	6G13014

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	MW-9	Project:	Edgecombe County Landfill
Lab #:	C601990-07	Work Order #:	C601990
Prep. Method:	EPA 5030B_MS	Matrix:	Water
Analyzed:	07/20/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6G20009		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	1.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	5 U	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	1.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	1.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	1.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	1.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	1.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	1.0	5	ug/L
2-Butanone	78-93-3	100 U	2.0	100	ug/L
2-Hexanone	591-78-6	50 U	2.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	2.0	100	ug/L
Acetone	67-64-1	100 U	2.0	100	ug/L
Acrylonitrile	107-13-1	200 U	5.0	200	ug/L
Benzene	71-43-2	5 U	1.0	5	ug/L
Bromochloromethane	74-97-5	5 U	1.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	1.0	5	ug/L
Bromoform	75-25-2	5 U	1.0	5	ug/L
Bromomethane	74-83-9	10 U	1.0	10	ug/L
Carbon disulfide	75-15-0	100 U	2.0	100	ug/L
Carbon tetrachloride	56-23-5	10 U	1.0	10	ug/L
Chlorobenzene	108-90-7	5 U	1.0	5	ug/L
Chloroethane	75-00-3	10 U	1.0	10	ug/L
Chloroform	67-66-3	5 U	1.0	5	ug/L
Chloromethane	74-87-3	10 U	1.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	1.0	10	ug/L
Dibromochloromethane	124-48-1	5 U	1.0	5	ug/L
Dibromomethane	74-95-3	10 U	1.0	10	ug/L
Ethylbenzene	100-41-4	5 U	1.0	5	ug/L
Iodomethane	74-88-4	10 U	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	2.0	5	ug/L
Methylene chloride	75-09-2	10 U	1.0	10	ug/L
o-Xylene	95-47-6	5 U	1.0	5	ug/L
Styrene	100-42-5	10 U	1.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	1.0	5	ug/L

www.encolabs.com

ANALYTICAL REPORT

Sample ID: MW-9
Lab #: C601990-07

Project: Edgecombe County Landfill
Work Order #: C601990
Matrix: Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results		MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	30	U	10.0	30	ug/L	EPA 6010B	EPA 3005A	6G13014
Arsenic	7440-38-2	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Barium	7440-39-3	500	U	20.0	500	ug/L	EPA 6010B	EPA 3005A	6G13014
Beryllium	7440-41-7	2	U	1.00	2	ug/L	EPA 6010B	EPA 3005A	6G13014
Cadmium	7440-43-9	1	U	1.00	1	ug/L	EPA 6010B	EPA 3005A	6G13014
Chromium	7440-47-3	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Cobalt	7440-48-4	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Copper	7440-50-8	200	U	10.0	200	ug/L	EPA 6010B	EPA 3005A	6G13014
Lead	7439-92-1	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Nickel	7440-02-0	50	U	50.0	50	ug/L	EPA 6010B	EPA 3005A	6G13014
Selenium	7782-49-2	20	U	10.0	20	ug/L	EPA 6010B	EPA 3005A	6G13014
Silver	7440-22-4	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Thallium	7440-28-0	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Vanadium	7440-62-2	40	U	10.0	40	ug/L	EPA 6010B	EPA 3005A	6G13014
Zinc	7440-66-6	50	U	10.0	50	ug/L	EPA 6010B	EPA 3005A	6G13014

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	Upstream	Project:	Edgecombe County Landfill
Lab #:	C601990-08	Work Order #:	C601990
Prep. Method:	EPA 5030B_MS	Matrix:	Water
Analyzed:	07/20/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6G20009		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	1.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	5 U	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	1.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	1.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	1.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	1.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	1.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	1.0	5	ug/L
2-Butanone	78-93-3	100 U	2.0	100	ug/L
2-Hexanone	591-78-6	50 U	2.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	2.0	100	ug/L
Acetone	67-64-1	100 U	2.0	100	ug/L
Acrylonitrile	107-13-1	200 U	5.0	200	ug/L
Benzene	71-43-2	5 U	1.0	5	ug/L
Bromochloromethane	74-97-5	5 U	1.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	1.0	5	ug/L
Bromoform	75-25-2	5 U	1.0	5	ug/L
Bromomethane	74-83-9	10 U	1.0	10	ug/L
Carbon disulfide	75-15-0	100 U	2.0	100	ug/L
Carbon tetrachloride	56-23-5	10 U	1.0	10	ug/L
Chlorobenzene	108-90-7	5 U	1.0	5	ug/L
Chloroethane	75-00-3	10 U	1.0	10	ug/L
Chloroform	67-66-3	5 U	1.0	5	ug/L
Chloromethane	74-87-3	10 U	1.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	1.0	10	ug/L
Dibromochloromethane	124-48-1	5 U	1.0	5	ug/L
Dibromomethane	74-95-3	10 U	1.0	10	ug/L
Ethylbenzene	100-41-4	5 U	1.0	5	ug/L
Iodomethane	74-88-4	10 U	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	2.0	5	ug/L
Methylene chloride	75-09-2	10 U	1.0	10	ug/L
o-Xylene	95-47-6	5 U	1.0	5	ug/L
Styrene	100-42-5	10 U	1.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	1.0	5	ug/L

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	Downstream	Project:	Edgecombe County Landfill
Lab #:	C601990-09	Work Order #:	C601990
		Matrix:	Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results		MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	30	U	10.0	30	ug/L	EPA 6010B	EPA 3005A	6G13014
Arsenic	7440-38-2	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Barium	7440-39-3	500	U	20.0	500	ug/L	EPA 6010B	EPA 3005A	6G13014
Beryllium	7440-41-7	2	U	1.00	2	ug/L	EPA 6010B	EPA 3005A	6G13014
Cadmium	7440-43-9	1	U	1.00	1	ug/L	EPA 6010B	EPA 3005A	6G13014
Chromium	7440-47-3	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Cobalt	7440-48-4	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Copper	7440-50-8	200	U	10.0	200	ug/L	EPA 6010B	EPA 3005A	6G13014
Lead	7439-92-1	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Nickel	7440-02-0	50	U	50.0	50	ug/L	EPA 6010B	EPA 3005A	6G13014
Selenium	7782-49-2	20	U	10.0	20	ug/L	EPA 6010B	EPA 3005A	6G13014
Silver	7440-22-4	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Thallium	7440-28-0	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Vanadium	7440-62-2	40	U	10.0	40	ug/L	EPA 6010B	EPA 3005A	6G13014
Zinc	7440-66-6	50	U	10.0	50	ug/L	EPA 6010B	EPA 3005A	6G13014

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	Upstream	Project:	Edgecombe County Landfill
Lab #:	C601990-08	Work Order #:	C601990
		Matrix:	Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results		MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	30	U	10.0	30	ug/L	EPA 6010B	EPA 3005A	6G13014
Arsenic	7440-38-2	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Barium	7440-39-3	500	U	20.0	500	ug/L	EPA 6010B	EPA 3005A	6G13014
Beryllium	7440-41-7	2	U	1.00	2	ug/L	EPA 6010B	EPA 3005A	6G13014
Cadmium	7440-43-9	1	U	1.00	1	ug/L	EPA 6010B	EPA 3005A	6G13014
Chromium	7440-47-3	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Cobalt	7440-48-4	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Copper	7440-50-8	200	U	10.0	200	ug/L	EPA 6010B	EPA 3005A	6G13014
Lead	7439-92-1	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Nickel	7440-02-0	50	U	50.0	50	ug/L	EPA 6010B	EPA 3005A	6G13014
Selenium	7782-49-2	20	U	10.0	20	ug/L	EPA 6010B	EPA 3005A	6G13014
Silver	7440-22-4	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Thallium	7440-28-0	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Vanadium	7440-62-2	40	U	10.0	40	ug/L	EPA 6010B	EPA 3005A	6G13014
Zinc	7440-66-6	50	U	10.0	50	ug/L	EPA 6010B	EPA 3005A	6G13014

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	Duplicate	Project:	Edgecombe County Landfill
Lab #:	C601990-10	Work Order #:	C601990
Prep. Method:	EPA 5030B_MS	Matrix:	Water
Analyzed:	07/21/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6G20009		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	1.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	5 U	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	1.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	1.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	1.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	1.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	1.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	1.0	5	ug/L
2-Butanone	78-93-3	100 U	2.0	100	ug/L
2-Hexanone	591-78-6	50 U	2.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	2.0	100	ug/L
Acetone	67-64-1	100 U	2.0	100	ug/L
Acrylonitrile	107-13-1	200 U	5.0	200	ug/L
Benzene	71-43-2	5 U	1.0	5	ug/L
Bromochloromethane	74-97-5	5 U	1.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	1.0	5	ug/L
Bromoform	75-25-2	5 U	1.0	5	ug/L
Bromomethane	74-83-9	10 U	1.0	10	ug/L
Carbon disulfide	75-15-0	100 U	2.0	100	ug/L
Carbon tetrachloride	56-23-5	10 U	1.0	10	ug/L
Chlorobenzene	108-90-7	5 U	1.0	5	ug/L
Chloroethane	75-00-3	10 U	1.0	10	ug/L
Chloroform	67-66-3	5 U	1.0	5	ug/L
Chloromethane	74-87-3	10 U	1.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	1.0	10	ug/L
Dibromochloromethane	124-48-1	5 U	1.0	5	ug/L
Dibromomethane	74-95-3	10 U	1.0	10	ug/L
Ethylbenzene	100-41-4	5 U	1.0	5	ug/L
Iodomethane	74-88-4	10 U	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	2.0	5	ug/L
Methylene chloride	75-09-2	10 U	1.0	10	ug/L
o-Xylene	95-47-6	5 U	1.0	5	ug/L
Styrene	100-42-5	10 U	1.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	1.0	5	ug/L

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	Duplicate	Project:	Edgecombe County Landfill
Lab #:	C601990-10	Work Order #:	C601990
		Matrix:	Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results		MRL	NC RDL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	30	U	10.0	30	ug/L	EPA 6010B	EPA 3005A	6G13014
Arsenic	7440-38-2	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Barium	7440-39-3	500	U	20.0	500	ug/L	EPA 6010B	EPA 3005A	6G13014
Beryllium	7440-41-7	2	U	1.00	2	ug/L	EPA 6010B	EPA 3005A	6G13014
Cadmium	7440-43-9	1	U	1.00	1	ug/L	EPA 6010B	EPA 3005A	6G13014
Chromium	7440-47-3	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Cobalt	7440-48-4	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Copper	7440-50-8	200	U	10.0	200	ug/L	EPA 6010B	EPA 3005A	6G13014
Lead	7439-92-1	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Nickel	7440-02-0	50	U	50.0	50	ug/L	EPA 6010B	EPA 3005A	6G13014
Selenium	7782-49-2	20	U	10.0	20	ug/L	EPA 6010B	EPA 3005A	6G13014
Silver	7440-22-4	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Thallium	7440-28-0	10	U	10.0	10	ug/L	EPA 6010B	EPA 3005A	6G13014
Vanadium	7440-62-2	40	U	10.0	40	ug/L	EPA 6010B	EPA 3005A	6G13014
Zinc	7440-66-6	50	U	10.0	50	ug/L	EPA 6010B	EPA 3005A	6G13014

www.encolabs.com

ANALYTICAL REPORT

Sample ID:	Trip Blank	Project:	Edgecombe County Landfill
Lab #:	C601990-11	Work Order #:	C601990
Prep. Method:	EPA 5030B_MS	Matrix:	Water
Analyzed:	07/21/06 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	6G20009		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MRL	NC RDL	Units
1,1,1,2-Tetrachloroethane	630-20-6	5 U	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	5 U	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	5 U	1.0	5	ug/L
1,1,2-Trichloroethane	79-00-5	5 U	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	5 U	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	5 U	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	15 U	1.0	15	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	25 U	1.0	25	ug/L
1,2-Dibromoethane	106-93-4	5 U	1.0	5	ug/L
1,2-Dichlorobenzene	95-50-1	5 U	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	5 U	1.0	5	ug/L
1,2-Dichloropropane	78-87-5	5 U	1.0	5	ug/L
1,4-Dichlorobenzene	106-46-7	5 U	1.0	5	ug/L
2-Butanone	78-93-3	100 U	2.0	100	ug/L
2-Hexanone	591-78-6	50 U	2.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	100 U	2.0	100	ug/L
Acetone	67-64-1	100 U	2.0	100	ug/L
Acrylonitrile	107-13-1	200 U	5.0	200	ug/L
Benzene	71-43-2	5 U	1.0	5	ug/L
Bromochloromethane	74-97-5	5 U	1.0	5	ug/L
Bromodichloromethane	75-27-4	5 U	1.0	5	ug/L
Bromoform	75-25-2	5 U	1.0	5	ug/L
Bromomethane	74-83-9	10 U	1.0	10	ug/L
Carbon disulfide	75-15-0	100 U	2.0	100	ug/L
Carbon tetrachloride	56-23-5	10 U	1.0	10	ug/L
Chlorobenzene	108-90-7	5 U	1.0	5	ug/L
Chloroethane	75-00-3	10 U	1.0	10	ug/L
Chloroform	67-66-3	5 U	1.0	5	ug/L
Chloromethane	74-87-3	10 U	1.0	10	ug/L
cis-1,2-Dichloroethene	156-59-2	5 U	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	10 U	1.0	10	ug/L
Dibromochloromethane	124-48-1	5 U	1.0	5	ug/L
Dibromomethane	74-95-3	10 U	1.0	10	ug/L
Ethylbenzene	100-41-4	5 U	1.0	5	ug/L
Iodomethane	74-88-4	10 U	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	5 U	2.0	5	ug/L
Methylene chloride	75-09-2	10 U	1.0	10	ug/L
o-Xylene	95-47-6	5 U	1.0	5	ug/L
Styrene	100-42-5	10 U	1.0	10	ug/L
Tetrachloroethene	127-18-4	5 U	1.0	5	ug/L

www.encolabs.com

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Volatile Organic Compounds by GCMS - Quality Control										
Batch 6G20009 - EPA 5030B_MS										
Blank (6G20009-BLK1)				Prepared: 07/20/2006 08:39 Analyzed: 07/20/2006 10:18						
Acetone	2.0 U	2.0	ug/L							
Acrylonitrile	5.0 U	5.0	ug/L							
Benzene	1.0 U	1.0	ug/L							
2-Butanone	2.0 U	2.0	ug/L							
2-Hexanone	2.0 U	2.0	ug/L							
Iodomethane	2.0 U	2.0	ug/L							
Tetrachloroethene	1.0 U	1.0	ug/L							
4-Methyl-2-pentanone	2.0 U	2.0	ug/L							
Bromochloromethane	1.0 U	1.0	ug/L							
Trichloroethene	1.0 U	1.0	ug/L							
Bromodichloromethane	1.0 U	1.0	ug/L							
Bromoform	1.0 U	1.0	ug/L							
Bromomethane	1.0 U	1.0	ug/L							
Carbon disulfide	2.0 U	2.0	ug/L							
Carbon tetrachloride	1.0 U	1.0	ug/L							
Chlorobenzene	1.0 U	1.0	ug/L							
Chloroethane	1.0 U	1.0	ug/L							
Chloroform	1.0 U	1.0	ug/L							
Chloromethane	1.0 U	1.0	ug/L							
Dibromochloromethane	1.0 U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	1.0 U	1.0	ug/L							
1,2-Dibromoethane	1.0 U	1.0	ug/L							
Dibromomethane	1.0 U	1.0	ug/L							
1,2-Dichlorobenzene	1.0 U	1.0	ug/L							
1,4-Dichlorobenzene	1.0 U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	1.0 U	1.0	ug/L							
1,1-Dichloroethane	1.0 U	1.0	ug/L							
1,2-Dichloroethane	1.0 U	1.0	ug/L							
1,1-Dichloroethene	1.0 U	1.0	ug/L							
cis-1,2-Dichloroethene	1.0 U	1.0	ug/L							
trans-1,2-Dichloroethene	1.0 U	1.0	ug/L							
1,2-Dichloropropane	1.0 U	1.0	ug/L							
cis-1,3-Dichloropropene	1.0 U	1.0	ug/L							
trans-1,3-Dichloropropene	1.0 U	1.0	ug/L							
Ethylbenzene	1.0 U	1.0	ug/L							
Methylene chloride	1.0 U	1.0	ug/L							
Styrene	1.0 U	1.0	ug/L							
1,1,1,2-Tetrachloroethane	1.0 U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	1.0 U	1.0	ug/L							
Toluene	1.0 U	1.0	ug/L							

www.encolabs.com

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 6G13014 - EPA 3005A										
Blank (6G13014-BLK1) Continued				Prepared: 07/13/2006 11:11 Analyzed: 07/14/2006 13:20						
Selenium	10.0 U	10.0	ug/L							
Silver	10.0 U	10.0	ug/L							
Thallium	10.0 U	10.0	ug/L							
Vanadium	10.0 U	10.0	ug/L							
Zinc	10.0 U	10.0	ug/L							
LCS (6G13014-BS1)				Prepared: 07/13/2006 11:11 Analyzed: 07/14/2006 13:27						
Antimony	512	10.0	ug/L	500		102	82-119		200	
Arsenic	1010	10.0	ug/L	1000		101	82-117		200	
Barium	1040	20.0	ug/L	1000		104	72-125		200	
Beryllium	516	1.00	ug/L	500		103	75-121		200	
Cadmium	512	1.00	ug/L	500		102	72-120		200	
Chromium	1000	10.0	ug/L	1000		100	78-119		200	
Cobalt	990	10.0	ug/L	1000		99	76-117		200	
Copper	506	10.0	ug/L	500		101	80-117		200	
Lead	976	10.0	ug/L	1000		98	72-121		200	
Nickel	1020	50.0	ug/L	1000		102	78-116		200	
Selenium	1030	10.0	ug/L	1000		103	82-127		200	
Silver	88.6	10.0	ug/L	100		89	80-128		200	
Thallium	506	10.0	ug/L	500		101	79-118		200	
Vanadium	498	10.0	ug/L	500		100	85-115		200	
Zinc	998	10.0	ug/L	1000		100	80-120		200	
Matrix Spike (6G13014-MS1)		**Source: C601990-01**		Prepared: 07/13/2006 11:11 Analyzed: 07/14/2006 13:43						
Antimony	510	10.0	ug/L	500	10.0 U	102	38-138		30	
Arsenic	1010	10.0	ug/L	1000	10.0 U	101	64-126		12	
Barium	1170	20.0	ug/L	1000	150	102	74-119		11	
Beryllium	516	1.00	ug/L	500	1.00 U	103	70-131		21	
Cadmium	503	1.00	ug/L	500	1.00 U	101	68-121		12	
Chromium	987	10.0	ug/L	1000	10.0 U	99	73-120		10	
Cobalt	978	10.0	ug/L	1000	10.0 U	98	76-120		17	
Copper	502	10.0	ug/L	500	10.0 U	100	75-123		16	
Lead	966	10.0	ug/L	1000	10.0 U	97	68-126		19	
Nickel	1020	50.0	ug/L	1000	16.0	100	64-126		12	
Selenium	1020	10.0	ug/L	1000	10.0 U	102	65-129		10	
Silver	87.7	10.0	ug/L	100	10.0 U	88	69-121		12	
Thallium	505	10.0	ug/L	500	7.10	100	67-135		13	
Vanadium	490	10.0	ug/L	500	10.0 U	98	71-130		16	
Zinc	987	10.0	ug/L	1000	8.50	98	63-131		24	
Matrix Spike Dup (6G13014-MSD1)		**Source: C601990-01**		Prepared: 07/13/2006 11:11 Analyzed: 07/14/2006 13:50						
Antimony	515	10.0	ug/L	500	10.0 U	103	38-138	1	30	
Arsenic	1010	10.0	ug/L	1000	10.0 U	101	64-126	0	12	

NOTES AND DEFINITIONS

D	Data reported from a dilution
U	Analyte included in the analysis, but not detected

APPENDIX II

STATISTICAL ANALYSIS INFORMATION

Concentrations (ug/L)
Parameter: 1,1-Dichloroethane

Original Data (Not Transformed)
Non-Detects Replaced with 1/2 DL
Total Measurements: 225
Total Non-Detect: 172
Percent Non-Detects: 76.4444%
Total Background Measurements: 64
There are 5 background locations

Loc.	Meas.	ND	Date	Conc.	Original
MW-3A	17	15 (88.2353%)	9/1/1994	ND<2.5	ND<5
			1/1/1995	ND<2.5	ND<5
			2/1/1995	ND<2.5	ND<5
			3/1/1995	ND<2.5	ND<5
			3/26/1996	ND<2.5	ND<5
			6/25/1996	6	6
			10/7/1996	ND<2.5	ND<5
			11/19/1996	ND<2.5	ND<5
			11/15/1997	ND<2.5	ND<5
			12/15/1997	ND<2.5	ND<5
			6/22/1998	5.1	5.1
			12/7/1998	ND<2.5	ND<5
			6/3/1999	ND<2.5	ND<5
			1/6/2000	ND<2.5	ND<5
			6/14/2000	ND<2.5	ND<5
			1/1/2002	ND<2.5	ND<5
			6/6/2002	ND<2.5	ND<5
MW-4	27	26 (96.2963%)	9/1/1994	ND<2.5	ND<5
			1/1/1995	ND<2.5	ND<5
			2/1/1995	ND<2.5	ND<5
			3/1/1995	ND<2.5	ND<5
			3/26/1996	ND<2.5	ND<5
			6/25/1996	6	6
			10/7/1996	ND<2.5	ND<5
			11/19/1996	ND<2.5	ND<5
			11/15/1997	ND<2.5	ND<5
			12/15/1997	ND<2.5	ND<5
			6/22/1998	ND<2.5	ND<5
			12/7/1998	ND<2.5	ND<5
			6/3/1999	ND<2.5	ND<5
			1/6/2000	ND<2.5	ND<5
			6/14/2000	ND<2.5	ND<5
			2/16/2001	ND<2.5	ND<5
			6/14/2001	ND<2.5	ND<5
			1/1/2002	ND<2.5	ND<5
			6/6/2002	ND<2.5	ND<5
			1/9/2003	ND<2.5	ND<5
			6/26/2003	ND<2.5	ND<5
			1/14/2004	ND<2.5	ND<5
			6/29/2004	ND<2.5	ND<5
			1/11/2005	ND<2.5	ND<5
			6/15/2005	ND<2.5	ND<5
			12/21/2005	ND<2.5	ND<5

MW-2A	21	21 (100%)	9/1/1994	ND<2.5	ND<5
			1/1/1995	ND<2.5	ND<5
			2/1/1995	ND<2.5	ND<5
			3/1/1995	ND<2.5	ND<5
			3/26/1996	ND<2.5	ND<5
			6/25/1996	ND<2.5	ND<5
			10/7/1996	ND<2.5	ND<5
			11/19/1996	ND<2.5	ND<5
			11/15/1997	ND<2.5	ND<5
			12/15/1997	ND<2.5	ND<5
			6/22/1998	ND<2.5	ND<5
			12/7/1998	ND<2.5	ND<5
			6/3/1999	ND<2.5	ND<5
			1/6/2000	ND<2.5	ND<5
			6/14/2000	ND<2.5	ND<5
			2/16/2001	ND<2.5	ND<5
			6/14/2001	ND<2.5	ND<5
			1/1/2002	ND<2.5	ND<5
			6/6/2002	ND<2.5	ND<5
			1/9/2003	ND<2.5	ND<5
			6/25/2003	ND<2.5	ND<5
MW-5	27	1 (3.7037%)	9/1/1994	210	210
			1/1/1995	170	170
			2/1/1995	145	145
			3/1/1995	127	127
			3/26/1996	195	195
			6/25/1996	322	322
			10/7/1996	161	161
			11/19/1996	172	172
			11/15/1997	162	162
			12/15/1997	126	126
			6/22/1998	135	135
			12/7/1998	108	108
			6/3/1999	ND<2.5	ND<5
			1/6/2000	77	77
			6/14/2000	88	88
			2/16/2001	75	75
			6/14/2001	78	78
			1/1/2002	35	35
			6/6/2002	71	71
			1/8/2003	41	41
			6/25/2003	46	46
			1/14/2004	33	33
			6/29/2004	32	32
			1/11/2005	38	38
			6/15/2005	26	26
			12/21/2005	13	13
			7/11/2006	21	21
MW-6	26	25 (96.1538%)	9/1/1994	ND<2.5	ND<5
			1/1/1995	ND<2.5	ND<5
			2/1/1995	ND<2.5	ND<5
			3/1/1995	ND<2.5	ND<5
			3/26/1996	ND<2.5	ND<5
			6/25/1996	6	6
			10/7/1996	ND<2.5	ND<5

			1/8/2003	ND<2.5	ND<5
			6/25/2003	ND<2.5	ND<5
MW-7A	14	14 (100%)	1/6/2000	ND<2.5	ND<5
			6/14/2000	ND<2.5	ND<5
			2/16/2001	ND<2.5	ND<5
			6/14/2001	ND<2.5	ND<5
			1/1/2002	ND<2.5	ND<5
			6/6/2002	ND<2.5	ND<5
			1/9/2003	ND<2.5	ND<5
			6/25/2003	ND<2.5	ND<5
			1/14/2004	ND<2.5	ND<5
			6/29/2004	ND<2.5	ND<5
			1/11/2005	ND<2.5	ND<5
			6/15/2005	ND<2.5	ND<5
			12/21/2005	ND<2.5	ND<5
			7/11/2006	ND<2.5	ND<5
MW-8A	6	0 (0%)	1/6/2000	9.3	9.3
			6/14/2000	12	12
			2/16/2001	8.7	8.7
			6/14/2001	9.7	9.7
			1/1/2002	5	5
			6/6/2002	5	5
MW-5S	4	0 (0%)	2/16/2001	68	68
			1/1/2002	60	60
			6/6/2002	79	79
			1/8/2003	33	33

There are 8 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
DOWNSTREAM	0	0	3/26/1996	ND<2.5	2.52821e-305
			10/7/1996	ND<2.5	2.52821e-305
			11/19/1996	ND<2.5	2.52821e-305
			11/15/1997	ND<2.5	2.52821e-305
			12/15/1997	ND<2.5	2.52821e-305
			6/22/1998	ND<2.5	2.52821e-305
			12/7/1998	ND<2.5	2.52821e-305
			6/3/1999	ND<2.5	2.52821e-305
			1/6/2000	ND<2.5	2.52821e-305
			6/14/2000	ND<2.5	2.52821e-305
			2/16/2001	ND<2.5	2.52821e-305
			6/14/2001	ND<2.5	2.52821e-305
			1/1/2002	ND<2.5	2.52821e-305
			1/8/2003	ND<2.5	2.52821e-305
			6/26/2003	ND<2.5	2.52821e-305
			1/14/2004	ND<2.5	2.52821e-305
			6/29/2004	ND<2.5	2.52821e-305
			1/11/2005	ND<2.5	2.52821e-305
			6/15/2005	ND<2.5	2.52821e-305
			12/21/2005	ND<2.5	2.52821e-305
			7/11/2006	ND<2.5	2.52821e-305
POND	0	0	2/16/2001	ND<2.5	2.52821e-305

Concentrations (ug/L)

Parameter: 1,4-Dichlorobenzene

Original Data (Not Transformed)
Non-Detects Replaced with 1/2 DL
Total Measurements: 225
Total Non-Detect: 211
Percent Non-Detects: 93.7778%
Total Background Measurements: 64
There are 5 background locations

Loc.	Meas.	ND	Date	Conc.	Original
MW-3A	17	17 (100%)	9/1/1994	ND<2.5	ND<5
			1/1/1995	ND<2.5	ND<5
			2/1/1995	ND<2.5	ND<5
			3/1/1995	ND<2.5	ND<5
			3/26/1996	ND<2.5	ND<5
			6/25/1996	ND<2.5	ND<5
			10/7/1996	ND<2.5	ND<5
			11/19/1996	ND<2.5	ND<5
			11/15/1997	ND<2.5	ND<5
			12/15/1997	ND<2.5	ND<5
			6/22/1998	ND<2.5	ND<5
			12/7/1998	ND<2.5	ND<5
			6/3/1999	ND<2.5	ND<5
			1/6/2000	ND<2.5	ND<5
			6/14/2000	ND<2.5	ND<5
			1/1/2002	ND<2.5	ND<5
			6/6/2002	ND<2.5	ND<5
MW-4	27	27 (100%)	9/1/1994	ND<2.5	ND<5
			1/1/1995	ND<2.5	ND<5
			2/1/1995	ND<2.5	ND<5
			3/1/1995	ND<2.5	ND<5
			3/26/1996	ND<2.5	ND<5
			6/25/1996	ND<2.5	ND<5
			10/7/1996	ND<2.5	ND<5
			11/19/1996	ND<2.5	ND<5
			11/15/1997	ND<2.5	ND<5
			12/15/1997	ND<2.5	ND<5
			6/22/1998	ND<2.5	ND<5
			12/7/1998	ND<2.5	ND<5
			6/3/1999	ND<2.5	ND<5
			1/6/2000	ND<2.5	ND<5
			6/14/2000	ND<2.5	ND<5
			2/16/2001	ND<2.5	ND<5
			6/14/2001	ND<2.5	ND<5
			1/1/2002	ND<2.5	ND<5
			6/6/2002	ND<2.5	ND<5
			1/9/2003	ND<2.5	ND<5
			6/26/2003	ND<2.5	ND<5
			1/14/2004	ND<2.5	ND<5
			6/29/2004	ND<2.5	ND<5
			1/11/2005	ND<2.5	ND<5
			6/15/2005	ND<2.5	ND<5
			12/21/2005	ND<2.5	ND<5

MW-2A	21	21 (100%)	9/1/1994	ND<2.5	ND<5
			1/1/1995	ND<2.5	ND<5
			2/1/1995	ND<2.5	ND<5
			3/1/1995	ND<2.5	ND<5
			3/26/1996	ND<2.5	ND<5
			6/25/1996	ND<2.5	ND<5
			10/7/1996	ND<2.5	ND<5
			11/19/1996	ND<2.5	ND<5
			11/15/1997	ND<2.5	ND<5
			12/15/1997	ND<2.5	ND<5
			6/22/1998	ND<2.5	ND<5
			12/7/1998	ND<2.5	ND<5
			6/3/1999	ND<2.5	ND<5
			1/6/2000	ND<2.5	ND<5
			6/14/2000	ND<2.5	ND<5
			2/16/2001	ND<2.5	ND<5
			6/14/2001	ND<2.5	ND<5
			1/1/2002	ND<2.5	ND<5
			6/6/2002	ND<2.5	ND<5
			1/9/2003	ND<2.5	ND<5
			6/25/2003	ND<2.5	ND<5
MW-5	27	13 (48.1481%)	9/1/1994	ND<2.5	ND<5
			1/1/1995	7	7
			2/1/1995	5	5
			3/1/1995	ND<2.5	ND<5
			3/26/1996	ND<2.5	ND<5
			6/25/1996	ND<2.5	ND<5
			10/7/1996	6	6
			11/19/1996	ND<2.5	ND<5
			11/15/1997	9.9	9.9
			12/15/1997	6.6	6.6
			6/22/1998	8.4	8.4
			12/7/1998	8.9	8.9
			6/3/1999	ND<2.5	ND<5
			1/6/2000	6.3	6.3
			6/14/2000	6.4	6.4
			2/16/2001	6.6	6.6
			6/14/2001	ND<2.5	ND<5
			1/1/2002	ND<2.5	ND<5
			6/6/2002	ND<2.5	ND<5
			1/8/2003	ND<12.5	ND<25
			6/25/2003	ND<2.5	ND<5
			1/14/2004	8.3	8.3
			6/29/2004	ND<2.5	ND<5
			1/11/2005	8	8
			6/15/2005	8	8
			12/21/2005	ND<1	ND<2
			7/11/2006	12.4	12.4
MW-6	26	26 (100%)	9/1/1994	ND<2.5	ND<5
			1/1/1995	ND<2.5	ND<5
			2/1/1995	ND<2.5	ND<5
			3/1/1995	ND<2.5	ND<5
			3/26/1996	ND<2.5	ND<5
			6/25/1996	ND<2.5	ND<5
			10/7/1996	ND<2.5	ND<5

			1/8/2003	ND<2.5	ND<5
			6/25/2003	ND<2.5	ND<5
MW-7A	14	14 (100%)	1/6/2000	ND<2.5	ND<5
			6/14/2000	ND<2.5	ND<5
			2/16/2001	ND<2.5	ND<5
			6/14/2001	ND<2.5	ND<5
			1/1/2002	ND<2.5	ND<5
			6/6/2002	ND<2.5	ND<5
			1/9/2003	ND<2.5	ND<5
			6/25/2003	ND<2.5	ND<5
			1/14/2004	ND<2.5	ND<5
			6/29/2004	ND<2.5	ND<5
			1/11/2005	ND<2.5	ND<5
			6/15/2005	ND<2.5	ND<5
			12/21/2005	ND<2.5	ND<5
			7/11/2006	ND<2.5	ND<5
MW-8A	6	6 (100%)	1/6/2000	ND<2.5	ND<5
			6/14/2000	ND<2.5	ND<5
			2/16/2001	ND<2.5	ND<5
			6/14/2001	ND<2.5	ND<5
			1/1/2002	ND<2.5	ND<5
			6/6/2002	ND<2.5	ND<5
MW-5S	4	4 (100%)	2/16/2001	ND<2.5	ND<5
			1/1/2002	ND<2.5	ND<5
			6/6/2002	ND<2.5	ND<5
			1/8/2003	ND<12.5	ND<25

There are 8 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
DOWNSTREAM	0	0	3/26/1996	ND<2.5	2.52821e-305
			10/7/1996	ND<2.5	2.52821e-305
			11/19/1996	ND<2.5	2.52821e-305
			11/15/1997	ND<2.5	2.52821e-305
			12/15/1997	ND<2.5	2.52821e-305
			6/22/1998	ND<2.5	2.52821e-305
			12/7/1998	ND<2.5	2.52821e-305
			6/3/1999	ND<2.5	2.52821e-305
			1/6/2000	ND<2.5	2.52821e-305
			6/14/2000	ND<2.5	2.52821e-305
			2/16/2001	ND<2.5	2.52821e-305
			6/14/2001	ND<2.5	2.52821e-305
			1/1/2002	ND<2.5	2.52821e-305
			1/8/2003	ND<2.5	2.52821e-305
			6/26/2003	ND<2.5	2.52821e-305
			1/14/2004	ND<2.5	2.52821e-305
			6/29/2004	ND<2.5	2.52821e-305
			1/11/2005	ND<2.5	2.52821e-305
			6/15/2005	ND<2.5	2.52821e-305
			12/21/2005	ND<2.5	2.52821e-305
			7/11/2006	ND<2.5	2.52821e-305
POND	0	0	2/16/2001	ND<2.5	2.52821e-305

Concentrations (ug/L)

Parameter: Benzene

Original Data (Not Transformed)
Non-Detects Replaced with 1/2 DL
Total Measurements: 225
Total Non-Detect: 204
Percent Non-Detects: 90.6667%
Total Background Measurements: 64
There are 5 background locations

Loc.	Meas.	ND	Date	Conc.	Original
MW-3A	17	17 (100%)	9/1/1994	ND<2.5	ND<5
			1/1/1995	ND<2.5	ND<5
			2/1/1995	ND<2.5	ND<5
			3/1/1995	ND<2.5	ND<5
			3/26/1996	ND<2.5	ND<5
			6/25/1996	ND<2.5	ND<5
			10/7/1996	ND<2.5	ND<5
			11/19/1996	ND<2.5	ND<5
			11/15/1997	ND<2.5	ND<5
			12/15/1997	ND<2.5	ND<5
			6/22/1998	ND<2.5	ND<5
			12/7/1998	ND<2.5	ND<5
			6/3/1999	ND<2.5	ND<5
			1/6/2000	ND<2.5	ND<5
			6/14/2000	ND<2.5	ND<5
			1/1/2002	ND<2.5	ND<5
			6/6/2002	ND<2.5	ND<5
MW-4	27	27 (100%)	9/1/1994	ND<2.5	ND<5
			1/1/1995	ND<2.5	ND<5
			2/1/1995	ND<2.5	ND<5
			3/1/1995	ND<2.5	ND<5
			3/26/1996	ND<2.5	ND<5
			6/25/1996	ND<2.5	ND<5
			10/7/1996	ND<2.5	ND<5
			11/19/1996	ND<2.5	ND<5
			11/15/1997	ND<2.5	ND<5
			12/15/1997	ND<2.5	ND<5
			6/22/1998	ND<2.5	ND<5
			12/7/1998	ND<2.5	ND<5
			6/3/1999	ND<2.5	ND<5
			1/6/2000	ND<2.5	ND<5
			6/14/2000	ND<2.5	ND<5
			2/16/2001	ND<2.5	ND<5
			6/14/2001	ND<2.5	ND<5
			1/1/2002	ND<2.5	ND<5
			6/6/2002	ND<2.5	ND<5
			1/9/2003	ND<2.5	ND<5
			6/26/2003	ND<2.5	ND<5
			1/14/2004	ND<2.5	ND<5
			6/29/2004	ND<2.5	ND<5
			1/11/2005	ND<2.5	ND<5
			6/15/2005	ND<2.5	ND<5
			12/21/2005	ND<2.5	ND<5

MW-2A	21	20 (95.2381%)	9/1/1994	ND<2.5	ND<5
			1/1/1995	ND<2.5	ND<5
			2/1/1995	ND<2.5	ND<5
			3/1/1995	ND<2.5	ND<5
			3/26/1996	ND<2.5	ND<5
			6/25/1996	ND<2.5	ND<5
			10/7/1996	ND<2.5	ND<5
			11/19/1996	ND<2.5	ND<5
			11/15/1997	ND<2.5	ND<5
			12/15/1997	5.6	5.6
			6/22/1998	ND<2.5	ND<5
			12/7/1998	ND<2.5	ND<5
			6/3/1999	ND<2.5	ND<5
			1/6/2000	ND<2.5	ND<5
			6/14/2000	ND<2.5	ND<5
			2/16/2001	ND<2.5	ND<5
			6/14/2001	ND<2.5	ND<5
			1/1/2002	ND<2.5	ND<5
			6/6/2002	ND<2.5	ND<5
			1/9/2003	ND<2.5	ND<5
			6/25/2003	ND<2.5	ND<5
MW-5	27	11 (40.7407%)	9/1/1994	11	11
			1/1/1995	10	10
			2/1/1995	9	9
			3/1/1995	7	7
			3/26/1996	10	10
			6/25/1996	14	14
			10/7/1996	11	11
			11/19/1996	11	11
			11/15/1997	6.7	6.7
			12/15/1997	7.2	7.2
			6/22/1998	ND<2.5	ND<5
			12/7/1998	ND<2.5	ND<5
			6/3/1999	ND<2.5	ND<5
			1/6/2000	5.5	5.5
			6/14/2000	6	6
			2/16/2001	ND<2.5	ND<5
			6/14/2001	ND<2.5	ND<5
			1/1/2002	ND<2.5	ND<5
			6/6/2002	ND<2.5	ND<5
			1/8/2003	ND<12.5	ND<25
			6/25/2003	5.4	5.4
			1/14/2004	ND<2.5	ND<5
			6/29/2004	ND<2.5	ND<5
			1/11/2005	6	6
			6/15/2005	ND<2.5	ND<5
			12/21/2005	5	5
			7/11/2006	5.6	5.6
MW-6	26	26 (100%)	9/1/1994	ND<2.5	ND<5
			1/1/1995	ND<2.5	ND<5
			2/1/1995	ND<2.5	ND<5
			3/1/1995	ND<2.5	ND<5
			3/26/1996	ND<2.5	ND<5
			6/25/1996	ND<2.5	ND<5
			10/7/1996	ND<2.5	ND<5

			1/8/2003	ND<2.5	ND<5
			6/25/2003	ND<2.5	ND<5
MW-7A	14	14 (100%)	1/6/2000	ND<2.5	ND<5
			6/14/2000	ND<2.5	ND<5
			2/16/2001	ND<2.5	ND<5
			6/14/2001	ND<2.5	ND<5
			1/1/2002	ND<2.5	ND<5
			6/6/2002	ND<2.5	ND<5
			1/9/2003	ND<2.5	ND<5
			6/25/2003	ND<2.5	ND<5
			1/14/2004	ND<2.5	ND<5
			6/29/2004	ND<2.5	ND<5
			1/11/2005	ND<2.5	ND<5
			6/15/2005	ND<2.5	ND<5
			12/21/2005	ND<2.5	ND<5
			7/11/2006	ND<2.5	ND<5
MW-8A	6	4 (66.6667%)	1/6/2000	ND<2.5	ND<5
			6/14/2000	ND<2.5	ND<5
			2/16/2001	ND<2.5	ND<5
			6/14/2001	ND<2.5	ND<5
			1/1/2002	5.7	5.7
			6/6/2002	7.2	7.2
MW-5S	4	4 (100%)	2/16/2001	ND<2.5	ND<5
			1/1/2002	ND<2.5	ND<5
			6/6/2002	ND<2.5	ND<5
			1/8/2003	ND<12.5	ND<25

There are 8 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
DOWNSTREAM	0	0	3/26/1996	ND<2.5	2.52821e-305
			10/7/1996	ND<2.5	2.52821e-305
			11/19/1996	ND<2.5	2.52821e-305
			11/15/1997	ND<2.5	2.52821e-305
			12/15/1997	ND<2.5	2.52821e-305
			6/22/1998	ND<2.5	2.52821e-305
			12/7/1998	ND<2.5	2.52821e-305
			6/3/1999	ND<2.5	2.52821e-305
			1/6/2000	ND<2.5	2.52821e-305
			6/14/2000	ND<2.5	2.52821e-305
			2/16/2001	ND<2.5	2.52821e-305
			6/14/2001	ND<2.5	2.52821e-305
			1/1/2002	ND<2.5	2.52821e-305
			1/8/2003	ND<2.5	2.52821e-305
			6/26/2003	ND<2.5	2.52821e-305
			1/14/2004	ND<2.5	2.52821e-305
			6/29/2004	ND<2.5	2.52821e-305
			1/11/2005	ND<2.5	2.52821e-305
			6/15/2005	ND<2.5	2.52821e-305
			12/21/2005	ND<2.5	2.52821e-305
			7/11/2006	ND<2.5	2.52821e-305
POND	0	0	2/16/2001	ND<2.5	2.52821e-305

Concentrations (ug/L)

Parameter: c-1,2-Dichloroethene

Original Data (Not Transformed)
Non-Detects Replaced with 1/2 DL
Total Measurements: 225
Total Non-Detect: 160
Percent Non-Detects: 71.1111%
Total Background Measurements: 64
There are 5 background locations

Loc.	Meas.	ND	Date	Conc.	Original
MW-3A	17	17 (100%)	9/1/1994	ND<2.5	ND<5
			1/1/1995	ND<2.5	ND<5
			2/1/1995	ND<2.5	ND<5
			3/1/1995	ND<2.5	ND<5
			3/26/1996	ND<2.5	ND<5
			6/25/1996	ND<2.5	ND<5
			10/7/1996	ND<2.5	ND<5
			11/19/1996	ND<2.5	ND<5
			11/15/1997	ND<2.5	ND<5
			12/15/1997	ND<2.5	ND<5
			6/22/1998	ND<2.5	ND<5
			12/7/1998	ND<2.5	ND<5
			6/3/1999	ND<2.5	ND<5
			1/6/2000	ND<2.5	ND<5
			6/14/2000	ND<2.5	ND<5
			1/1/2002	ND<2.5	ND<5
			6/6/2002	ND<2.5	ND<5
MW-4	27	27 (100%)	9/1/1994	ND<2.5	ND<5
			1/1/1995	ND<2.5	ND<5
			2/1/1995	ND<2.5	ND<5
			3/1/1995	ND<2.5	ND<5
			3/26/1996	ND<2.5	ND<5
			6/25/1996	ND<2.5	ND<5
			10/7/1996	ND<2.5	ND<5
			11/19/1996	ND<2.5	ND<5
			11/15/1997	ND<2.5	ND<5
			12/15/1997	ND<2.5	ND<5
			6/22/1998	ND<2.5	ND<5
			12/7/1998	ND<2.5	ND<5
			6/3/1999	ND<2.5	ND<5
			1/6/2000	ND<2.5	ND<5
			6/14/2000	ND<2.5	ND<5
			2/16/2001	ND<2.5	ND<5
			6/14/2001	ND<2.5	ND<5
			1/1/2002	ND<2.5	ND<5
			6/6/2002	ND<2.5	ND<5
			1/9/2003	ND<2.5	ND<5
			6/26/2003	ND<2.5	ND<5
			1/14/2004	ND<2.5	ND<5
			6/29/2004	ND<2.5	ND<5
			1/11/2005	ND<2.5	ND<5
			6/15/2005	ND<2.5	ND<5
			12/21/2005	ND<2.5	ND<5

MW-2A	21	21 (100%)	9/1/1994	ND<2.5	ND<5
			1/1/1995	ND<2.5	ND<5
			2/1/1995	ND<2.5	ND<5
			3/1/1995	ND<2.5	ND<5
			3/26/1996	ND<2.5	ND<5
			6/25/1996	ND<2.5	ND<5
			10/7/1996	ND<2.5	ND<5
			11/19/1996	ND<2.5	ND<5
			11/15/1997	ND<2.5	ND<5
			12/15/1997	ND<2.5	ND<5
			6/22/1998	ND<2.5	ND<5
			12/7/1998	ND<2.5	ND<5
			6/3/1999	ND<2.5	ND<5
			1/6/2000	ND<2.5	ND<5
			6/14/2000	ND<2.5	ND<5
			2/16/2001	ND<2.5	ND<5
			6/14/2001	ND<2.5	ND<5
			1/1/2002	ND<2.5	ND<5
			6/6/2002	ND<2.5	ND<5
			1/9/2003	ND<2.5	ND<5
			6/25/2003	ND<2.5	ND<5
MW-5	27	1 (3.7037%)	9/1/1994	240	240
			1/1/1995	258	258
			2/1/1995	266	266
			3/1/1995	374	374
			3/26/1996	361	361
			6/25/1996	379	379
			10/7/1996	495	495
			11/19/1996	474	474
			11/15/1997	485	485
			12/15/1997	504	504
			6/22/1998	382	382
			12/7/1998	648	648
			6/3/1999	ND<2.5	ND<5
			1/6/2000	358	358
			6/14/2000	352	352
			2/16/2001	570	570
			6/14/2001	830	830
			1/1/2002	520	520
			6/6/2002	880	880
			1/8/2003	420	420
			6/25/2003	440	440
			1/14/2004	500	500
			6/29/2004	650	650
			1/11/2005	1000	1000
			6/15/2005	790	790
			12/21/2005	560	560
			7/11/2006	987	987
MW-6	26	25 (96.1538%)	9/1/1994	ND<2.5	ND<5
			1/1/1995	ND<2.5	ND<5
			2/1/1995	ND<2.5	ND<5
			3/1/1995	ND<2.5	ND<5
			3/26/1996	ND<2.5	ND<5
			6/25/1996	ND<2.5	ND<5
			10/7/1996	ND<2.5	ND<5

			1/8/2003	ND<2.5	ND<5
			6/25/2003	ND<2.5	ND<5
MW-7A	14	13 (92.8571%)	1/6/2000	ND<2.5	ND<5
			6/14/2000	ND<2.5	ND<5
			2/16/2001	ND<2.5	ND<5
			6/14/2001	ND<2.5	ND<5
			1/1/2002	ND<2.5	ND<5
			6/6/2002	ND<2.5	ND<5
			1/9/2003	ND<2.5	ND<5
			6/25/2003	ND<2.5	ND<5
			1/14/2004	ND<2.5	ND<5
			6/29/2004	ND<2.5	ND<5
			1/11/2005	6	6
			6/15/2005	ND<2.5	ND<5
			12/21/2005	ND<2.5	ND<5
			7/11/2006	ND<2.5	ND<5
MW-8A	6	1 (16.6667%)	1/6/2000	ND<2.5	ND<5
			6/14/2000	8	8
			2/16/2001	16	16
			6/14/2001	17	17
			1/1/2002	22	22
			6/6/2002	25	25
MW-5S	4	0 (0%)	2/16/2001	260	260
			1/1/2002	340	340
			6/6/2002	640	640
			1/8/2003	320	320

There are 8 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
DOWNSTREAM	0	0	3/26/1996	ND<2.5	2.52821e-305
			10/7/1996	ND<2.5	2.52821e-305
			11/19/1996	ND<2.5	2.52821e-305
			11/15/1997	ND<2.5	2.52821e-305
			12/15/1997	ND<2.5	2.52821e-305
			6/22/1998	ND<2.5	2.52821e-305
			12/7/1998	ND<2.5	2.52821e-305
			6/3/1999	ND<2.5	2.52821e-305
			1/6/2000	ND<2.5	2.52821e-305
			6/14/2000	ND<2.5	2.52821e-305
			2/16/2001	ND<2.5	2.52821e-305
			6/14/2001	ND<2.5	2.52821e-305
			1/1/2002	ND<2.5	2.52821e-305
			1/8/2003	ND<2.5	2.52821e-305
			6/26/2003	ND<2.5	2.52821e-305
			1/14/2004	ND<2.5	2.52821e-305
			6/29/2004	ND<2.5	2.52821e-305
			1/11/2005	ND<2.5	2.52821e-305
			6/15/2005	ND<2.5	2.52821e-305
			12/21/2005	ND<2.5	2.52821e-305
			7/11/2006	ND<2.5	2.52821e-305
POND	0	0	2/16/2001	ND<2.5	2.52821e-305

Concentrations (ug/L)
Parameter: Chlorobenzene

Original Data (Not Transformed)
Non-Detects Replaced with 1/2 DL
Total Measurements: 225
Total Non-Detect: 204
Percent Non-Detects: 90.6667%
Total Background Measurements: 64
There are 5 background locations

Loc.	Meas.	ND	Date	Conc.	Original
MW-3A	17	17 (100%)	9/1/1994	ND<2.5	ND<5
			1/1/1995	ND<2.5	ND<5
			2/1/1995	ND<2.5	ND<5
			3/1/1995	ND<2.5	ND<5
			3/26/1996	ND<2.5	ND<5
			6/25/1996	ND<2.5	ND<5
			10/7/1996	ND<2.5	ND<5
			11/19/1996	ND<2.5	ND<5
			11/15/1997	ND<2.5	ND<5
			12/15/1997	ND<2.5	ND<5
			6/22/1998	ND<2.5	ND<5
			12/7/1998	ND<2.5	ND<5
			6/3/1999	ND<2.5	ND<5
			1/6/2000	ND<2.5	ND<5
			6/14/2000	ND<2.5	ND<5
			1/1/2002	ND<2.5	ND<5
			6/6/2002	ND<2.5	ND<5
MW-4	27	27 (100%)	9/1/1994	ND<2.5	ND<5
			1/1/1995	ND<2.5	ND<5
			2/1/1995	ND<2.5	ND<5
			3/1/1995	ND<2.5	ND<5
			3/26/1996	ND<2.5	ND<5
			6/25/1996	ND<2.5	ND<5
			10/7/1996	ND<2.5	ND<5
			11/19/1996	ND<2.5	ND<5
			11/15/1997	ND<2.5	ND<5
			12/15/1997	ND<2.5	ND<5
			6/22/1998	ND<2.5	ND<5
			12/7/1998	ND<2.5	ND<5
			6/3/1999	ND<2.5	ND<5
			1/6/2000	ND<2.5	ND<5
			6/14/2000	ND<2.5	ND<5
			2/16/2001	ND<2.5	ND<5
			6/14/2001	ND<2.5	ND<5
			1/1/2002	ND<2.5	ND<5
			6/6/2002	ND<2.5	ND<5
			1/9/2003	ND<2.5	ND<5
			6/26/2003	ND<2.5	ND<5
			1/14/2004	ND<2.5	ND<5
			6/29/2004	ND<2.5	ND<5
			1/11/2005	ND<2.5	ND<5
			6/15/2005	ND<2.5	ND<5
			12/21/2005	ND<2.5	ND<5

MW-2A	21	21 (100%)	9/1/1994	ND<2.5	ND<5
			1/1/1995	ND<2.5	ND<5
			2/1/1995	ND<2.5	ND<5
			3/1/1995	ND<2.5	ND<5
			3/26/1996	ND<2.5	ND<5
			6/25/1996	ND<2.5	ND<5
			10/7/1996	ND<2.5	ND<5
			11/19/1996	ND<2.5	ND<5
			11/15/1997	ND<2.5	ND<5
			12/15/1997	ND<2.5	ND<5
			6/22/1998	ND<2.5	ND<5
			12/7/1998	ND<2.5	ND<5
			6/3/1999	ND<2.5	ND<5
			1/6/2000	ND<2.5	ND<5
			6/14/2000	ND<2.5	ND<5
			2/16/2001	ND<2.5	ND<5
			6/14/2001	ND<2.5	ND<5
			1/1/2002	ND<2.5	ND<5
			6/6/2002	ND<2.5	ND<5
			1/9/2003	ND<2.5	ND<5
			6/25/2003	ND<2.5	ND<5
MW-5	27	7 (25.9259%)	9/1/1994	11	11
			1/1/1995	7	7
			2/1/1995	8	8
			3/1/1995	ND<2.5	ND<5
			3/26/1996	21	21
			6/25/1996	24	24
			10/7/1996	15	15
			11/19/1996	15	15
			11/15/1997	23	23
			12/15/1997	16	16
			6/22/1998	26	26
			12/7/1998	22	22
			6/3/1999	ND<2.5	ND<5
			1/6/2000	18	18
			6/14/2000	21	21
			2/16/2001	18	18
			6/14/2001	ND<2.5	ND<5
			1/1/2002	ND<2.5	ND<5
			6/6/2002	ND<2.5	ND<5
			1/8/2003	ND<12.5	ND<25
			6/25/2003	ND<2.5	ND<5
			1/14/2004	21	21
			6/29/2004	17	17
			1/11/2005	19	19
			6/15/2005	17	17
			12/21/2005	14	14
			7/11/2006	21	21
MW-6	26	26 (100%)	9/1/1994	ND<2.5	ND<5
			1/1/1995	ND<2.5	ND<5
			2/1/1995	ND<2.5	ND<5
			3/1/1995	ND<2.5	ND<5
			3/26/1996	ND<2.5	ND<5
			6/25/1996	ND<2.5	ND<5
			10/7/1996	ND<2.5	ND<5

			1/8/2003	ND<2.5	ND<5
			6/25/2003	ND<2.5	ND<5
MW-7A	14	14 (100%)	1/6/2000	ND<2.5	ND<5
			6/14/2000	ND<2.5	ND<5
			2/16/2001	ND<2.5	ND<5
			6/14/2001	ND<2.5	ND<5
			1/1/2002	ND<2.5	ND<5
			6/6/2002	ND<2.5	ND<5
			1/9/2003	ND<2.5	ND<5
			6/25/2003	ND<2.5	ND<5
			1/14/2004	ND<2.5	ND<5
			6/29/2004	ND<2.5	ND<5
			1/11/2005	ND<2.5	ND<5
			6/15/2005	ND<2.5	ND<5
			12/21/2005	ND<2.5	ND<5
			7/11/2006	ND<2.5	ND<5
MW-8A	6	6 (100%)	1/6/2000	ND<2.5	ND<5
			6/14/2000	ND<2.5	ND<5
			2/16/2001	ND<2.5	ND<5
			6/14/2001	ND<2.5	ND<5
			1/1/2002	ND<2.5	ND<5
			6/6/2002	ND<2.5	ND<5
MW-5S	4	3 (75%)	2/16/2001	6.6	6.6
			1/1/2002	ND<2.5	ND<5
			6/6/2002	ND<2.5	ND<5
			1/8/2003	ND<12.5	ND<25

There are 8 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
DOWNSTREAM	0	0	3/26/1996	ND<2.5	2.52821e-305
			10/7/1996	ND<2.5	2.52821e-305
			11/19/1996	ND<2.5	2.52821e-305
			11/15/1997	ND<2.5	2.52821e-305
			12/15/1997	ND<2.5	2.52821e-305
			6/22/1998	ND<2.5	2.52821e-305
			12/7/1998	ND<2.5	2.52821e-305
			6/3/1999	ND<2.5	2.52821e-305
			1/6/2000	ND<2.5	2.52821e-305
			6/14/2000	ND<2.5	2.52821e-305
			2/16/2001	ND<2.5	2.52821e-305
			6/14/2001	ND<2.5	2.52821e-305
			1/1/2002	ND<2.5	2.52821e-305
			1/8/2003	ND<2.5	2.52821e-305
			6/26/2003	ND<2.5	2.52821e-305
			1/14/2004	ND<2.5	2.52821e-305
			6/29/2004	ND<2.5	2.52821e-305
			1/11/2005	ND<2.5	2.52821e-305
			6/15/2005	ND<2.5	2.52821e-305
			12/21/2005	ND<2.5	2.52821e-305
			7/11/2006	ND<2.5	2.52821e-305
POND	0	0	2/16/2001	ND<2.5	2.52821e-305

Concentrations (mg/L)

Parameter: Cobalt

Original Data (Not Transformed)
Non-Detects Replaced with 1/2 DL
Total Measurements: 225
Total Non-Detect: 163
Percent Non-Detects: 72.4444%
Total Background Measurements: 64
There are 5 background locations

Loc.	Meas.	ND	Date	Conc.	Original
MW-3A	17	12 (70.5882%)	9/1/1994	0.024	0.024
			1/1/1995	ND<0.005	ND<0.01
			2/1/1995	0.025	0.025
			3/1/1995	0.026	0.026
			3/26/1996	ND<0.005	ND<0.01
			6/25/1996	ND<0.005	ND<0.01
			10/7/1996	ND<0.005	ND<0.01
			11/19/1996	ND<0.005	ND<0.01
			11/15/1997	0.022	0.022
			12/15/1997	ND<0.005	ND<0.01
			6/22/1998	ND<0.005	ND<0.01
			12/7/1998	ND<0.005	ND<0.01
			6/3/1999	ND<0.005	ND<0.01
			1/6/2000	ND<0.005	ND<0.01
			6/14/2000	ND<0.005	ND<0.01
			1/1/2002	0.091	0.091
			6/6/2002	ND<0.005	ND<0.01
MW-4	27	26 (96.2963%)	9/1/1994	0.06	0.06
			1/1/1995	ND<0.005	ND<0.01
			2/1/1995	ND<0.005	ND<0.01
			3/1/1995	ND<0.005	ND<0.01
			3/26/1996	ND<0.005	ND<0.01
			6/25/1996	ND<0.005	ND<0.01
			10/7/1996	ND<0.005	ND<0.01
			11/19/1996	ND<0.005	ND<0.01
			11/15/1997	ND<0.005	ND<0.01
			12/15/1997	ND<0.005	ND<0.01
			6/22/1998	ND<0.005	ND<0.01
			12/7/1998	ND<0.005	ND<0.01
			6/3/1999	ND<0.005	ND<0.01
			1/6/2000	ND<0.005	ND<0.01
			6/14/2000	ND<0.005	ND<0.01
			2/16/2001	ND<0.005	ND<0.01
			6/14/2001	ND<0.005	ND<0.01
			1/1/2002	ND<0.005	ND<0.01
			6/6/2002	ND<0.005	ND<0.01
			1/9/2003	ND<0.005	ND<0.01
			6/26/2003	ND<0.005	ND<0.01
			1/14/2004	ND<0.005	ND<0.01
			6/29/2004	ND<0.005	ND<0.01
			1/11/2005	ND<0.005	ND<0.01
			6/15/2005	ND<0.005	ND<0.01
			12/21/2005	ND<0.005	ND<0.01

MW-2A	21	15 (71.4286%)	9/1/1994	0.017	0.017
			1/1/1995	0.036	0.036
			2/1/1995	0.015	0.015
			3/1/1995	0.022	0.022
			3/26/1996	ND<0.005	ND<0.01
			6/25/1996	0.074	0.074
			10/7/1996	ND<0.005	ND<0.01
			11/19/1996	ND<0.005	ND<0.01
			11/15/1997	ND<0.005	ND<0.01
			12/15/1997	ND<0.005	ND<0.01
			6/22/1998	ND<0.005	ND<0.01
			12/7/1998	ND<0.005	ND<0.01
			6/3/1999	ND<0.005	ND<0.01
			1/6/2000	ND<0.005	ND<0.01
			6/14/2000	ND<0.005	ND<0.01
			2/16/2001	ND<0.005	ND<0.01
			6/14/2001	ND<0.005	ND<0.01
			1/1/2002	0.018	0.018
			6/6/2002	ND<0.005	ND<0.01
			1/9/2003	ND<0.005	ND<0.01
			6/25/2003	ND<0.005	ND<0.01
MW-5	27	7 (25.9259%)	9/1/1994	0.036	0.036
			1/1/1995	0.025	0.025
			2/1/1995	0.03	0.03
			3/1/1995	0.015	0.015
			3/26/1996	ND<0.005	ND<0.01
			6/25/1996	ND<0.005	ND<0.01
			10/7/1996	ND<0.005	ND<0.01
			11/19/1996	ND<0.005	ND<0.01
			11/15/1997	ND<0.005	ND<0.01
			12/15/1997	ND<0.005	ND<0.01
			6/22/1998	ND<0.005	ND<0.01
			12/7/1998	0.017	0.017
			6/3/1999	0.037	0.037
			1/6/2000	0.038	0.038
			6/14/2000	0.05	0.05
			2/16/2001	0.048	0.048
			6/14/2001	0.047	0.047
			1/1/2002	0.051	0.051
			6/6/2002	0.055	0.055
			1/8/2003	0.035	0.035
			6/25/2003	0.041	0.041
			1/14/2004	0.038	0.038
			6/29/2004	0.057	0.057
			1/11/2005	0.076	0.076
			6/15/2005	0.074	0.074
			12/21/2005	0.13	0.13
			7/11/2006	0.121	0.121
MW-6	26	21 (80.7692%)	9/1/1994	0.016	0.016
			1/1/1995	0.015	0.015
			2/1/1995	0.015	0.015
			3/1/1995	0.012	0.012
			3/26/1996	ND<0.005	ND<0.01
			6/25/1996	ND<0.005	ND<0.01
			10/7/1996	ND<0.005	ND<0.01

			1/8/2003	ND<0.005	ND<0.01
			6/25/2003	ND<0.005	ND<0.01
MW-7A	14	13 (92.8571%)	1/6/2000	ND<0.005	ND<0.01
			6/14/2000	ND<0.005	ND<0.01
			2/16/2001	ND<0.005	ND<0.01
			6/14/2001	ND<0.005	ND<0.01
			1/1/2002	0.042	0.042
			6/6/2002	ND<0.005	ND<0.01
			1/9/2003	ND<0.005	ND<0.01
			6/25/2003	ND<0.005	ND<0.01
			1/14/2004	ND<0.005	ND<0.01
			6/29/2004	ND<0.005	ND<0.01
			1/11/2005	ND<0.005	ND<0.01
			6/15/2005	ND<0.005	ND<0.01
			12/21/2005	ND<0.005	ND<0.01
			7/11/2006	ND<0.005	ND<0.01
MW-8A	6	5 (83.3333%)	1/6/2000	ND<0.005	ND<0.01
			6/14/2000	ND<0.005	ND<0.01
			2/16/2001	ND<0.005	ND<0.01
			6/14/2001	ND<0.005	ND<0.01
			1/1/2002	0.055	0.055
			6/6/2002	ND<0.005	ND<0.01
MW-5S	4	4 (100%)	2/16/2001	ND<0.005	ND<0.01
			1/1/2002	ND<0.005	ND<0.01
			6/6/2002	ND<0.005	ND<0.01
			1/8/2003	ND<0.005	ND<0.01

There are 8 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
DOWNSTREAM	0	0	3/26/1996	ND<0.005	2.52821e-305
			10/7/1996	ND<0.005	2.52821e-305
			11/19/1996	ND<0.005	2.52821e-305
			11/15/1997	ND<0.005	2.52821e-305
			12/15/1997	ND<0.005	2.52821e-305
			6/22/1998	ND<0.005	2.52821e-305
			12/7/1998	ND<0.005	2.52821e-305
			6/3/1999	ND<0.005	2.52821e-305
			1/6/2000	ND<0.005	2.52821e-305
			6/14/2000	ND<0.005	2.52821e-305
			2/16/2001	ND<0.005	2.52821e-305
			1/1/2002	ND<0.005	2.52821e-305
			1/8/2003	ND<0.005	2.52821e-305
			6/26/2003	ND<0.005	2.52821e-305
			1/14/2004	ND<0.005	2.52821e-305
			6/29/2004	ND<0.005	2.52821e-305
			1/11/2005	ND<0.005	2.52821e-305
			6/15/2005	ND<0.005	2.52821e-305
			12/21/2005	ND<0.005	2.52821e-305
			7/11/2006	ND<0.005	2.52821e-305
POND	0	0	2/16/2001	ND<0.005	2.52821e-305
			1/1/2002	ND<0.005	2.52821e-305

Concentrations (mg/L)

Parameter: Lead

Original Data (Not Transformed)
Non-Detects Replaced with 1/2 DL
Total Measurements: 225
Total Non-Detect: 183
Percent Non-Detects: 81.3333%
Total Background Measurements: 64
There are 5 background locations

Loc.	Meas.	ND	Date	Conc.	Original
MW-3A	17	12 (70.5882%)	9/1/1994	ND<0.005	ND<0.01
			1/1/1995	0.026	0.026
			2/1/1995	0.04	0.04
			3/1/1995	0.033	0.033
			3/26/1996	ND<0.005	ND<0.01
			6/25/1996	ND<0.005	ND<0.01
			10/7/1996	ND<0.005	ND<0.01
			11/19/1996	ND<0.005	ND<0.01
			11/15/1997	0.02	0.02
			12/15/1997	0.01	0.01
			6/22/1998	ND<0.005	ND<0.01
			12/7/1998	ND<0.005	ND<0.01
			6/3/1999	ND<0.005	ND<0.01
			1/6/2000	ND<0.005	ND<0.01
			6/14/2000	ND<0.005	ND<0.01
			1/1/2002	ND<0.005	ND<0.01
			6/6/2002	ND<0.005	ND<0.01
MW-4	27	18 (66.6667%)	9/1/1994	0.0043	0.0043
			1/1/1995	0.016	0.016
			2/1/1995	0.022	0.022
			3/1/1995	0.019	0.019
			3/26/1996	ND<0.005	ND<0.01
			6/25/1996	0.02	0.02
			10/7/1996	ND<0.005	ND<0.01
			11/19/1996	0.014	0.014
			11/15/1997	0.01	0.01
			12/15/1997	0.017	0.017
			6/22/1998	0.012	0.012
			12/7/1998	ND<0.005	ND<0.01
			6/3/1999	ND<0.005	ND<0.01
			1/6/2000	ND<0.005	ND<0.01
			6/14/2000	ND<0.005	ND<0.01
			2/16/2001	ND<0.005	ND<0.01
			6/14/2001	ND<0.005	ND<0.01
			1/1/2002	ND<0.005	ND<0.01
			6/6/2002	ND<0.005	ND<0.01
			1/9/2003	ND<0.005	ND<0.01
			6/26/2003	ND<0.005	ND<0.01
			1/14/2004	ND<0.005	ND<0.01
			6/29/2004	ND<0.005	ND<0.01
			1/11/2005	ND<0.005	ND<0.01
			6/15/2005	ND<0.005	ND<0.01
			12/21/2005	ND<0.005	ND<0.01

MW-2A	21	18 (85.7143%)	9/1/1994	ND<0.005	ND<0.01
			1/1/1995	0.019	0.019
			2/1/1995	0.012	0.012
			3/1/1995	0.013	0.013
			3/26/1996	ND<0.005	ND<0.01
			6/25/1996	ND<0.005	ND<0.01
			10/7/1996	ND<0.005	ND<0.01
			11/19/1996	ND<0.005	ND<0.01
			11/15/1997	ND<0.005	ND<0.01
			12/15/1997	ND<0.005	ND<0.01
			6/22/1998	ND<0.005	ND<0.01
			12/7/1998	ND<0.005	ND<0.01
			6/3/1999	ND<0.005	ND<0.01
			1/6/2000	ND<0.005	ND<0.01
			6/14/2000	ND<0.005	ND<0.01
			2/16/2001	ND<0.005	ND<0.01
			6/14/2001	ND<0.005	ND<0.01
			1/1/2002	ND<0.005	ND<0.01
			6/6/2002	ND<0.005	ND<0.01
			1/9/2003	ND<0.005	ND<0.01
			6/25/2003	ND<0.005	ND<0.01
MW-5	27	21 (77.7778%)	9/1/1994	0.01	0.01
			1/1/1995	0.035	0.035
			2/1/1995	0.04	0.04
			3/1/1995	0.029	0.029
			3/26/1996	ND<0.005	ND<0.01
			6/25/1996	0.029	0.029
			10/7/1996	ND<0.005	ND<0.01
			11/19/1996	ND<0.005	ND<0.01
			11/15/1997	ND<0.005	ND<0.01
			12/15/1997	ND<0.005	ND<0.01
			6/22/1998	ND<0.005	ND<0.01
			12/7/1998	ND<0.005	ND<0.01
			6/3/1999	ND<0.005	ND<0.01
			1/6/2000	ND<0.005	ND<0.01
			6/14/2000	ND<0.005	ND<0.01
			2/16/2001	ND<0.005	ND<0.01
			6/14/2001	ND<0.005	ND<0.01
			1/1/2002	ND<0.005	ND<0.01
			6/6/2002	ND<0.005	ND<0.01
			1/8/2003	ND<0.005	ND<0.01
			6/25/2003	ND<0.005	ND<0.01
			1/14/2004	ND<0.005	ND<0.01
			6/29/2004	ND<0.005	ND<0.01
			1/11/2005	ND<0.005	ND<0.01
			6/15/2005	ND<0.005	ND<0.01
			12/21/2005	ND<0.005	ND<0.01
			7/11/2006	0.0108	0.0108
MW-6	26	21 (80.7692%)	9/1/1994	0.0081	0.0081
			1/1/1995	0.012	0.012
			2/1/1995	0.016	0.016
			3/1/1995	0.016	0.016
			3/26/1996	ND<0.005	ND<0.01
			6/25/1996	0.015	0.015
			10/7/1996	ND<0.005	ND<0.01

			1/8/2003	ND<0.005	ND<0.01
			6/25/2003	ND<0.005	ND<0.01
MW-7A	14	11 (78.5714%)	1/6/2000	ND<0.005	ND<0.01
			6/14/2000	ND<0.005	ND<0.01
			2/16/2001	ND<0.005	ND<0.01
			6/14/2001	ND<0.005	ND<0.01
			1/1/2002	ND<0.005	ND<0.01
			6/6/2002	ND<0.005	ND<0.01
			1/9/2003	ND<0.005	ND<0.01
			6/25/2003	ND<0.005	ND<0.01
			1/14/2004	ND<0.005	ND<0.01
			6/29/2004	ND<0.005	ND<0.01
			1/11/2005	0.012	0.012
			6/15/2005	ND<0.005	ND<0.01
			12/21/2005	0.013	0.013
			7/11/2006	0.0127	0.0127
MW-8A	6	6 (100%)	1/6/2000	ND<0.005	ND<0.01
			6/14/2000	ND<0.005	ND<0.01
			2/16/2001	ND<0.005	ND<0.01
			6/14/2001	ND<0.005	ND<0.01
			1/1/2002	ND<0.005	ND<0.01
			6/6/2002	ND<0.005	ND<0.01
MW-5S	4	4 (100%)	2/16/2001	ND<0.005	ND<0.01
			1/1/2002	ND<0.005	ND<0.01
			6/6/2002	ND<0.005	ND<0.01
			1/8/2003	ND<0.005	ND<0.01

There are 8 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
DOWNSTREAM	0	0	3/26/1996	ND<0.005	2.52821e-305
			10/7/1996	ND<0.005	2.52821e-305
			11/19/1996	ND<0.005	2.52821e-305
			11/15/1997	ND<0.005	2.52821e-305
			12/15/1997	ND<0.005	2.52821e-305
			6/22/1998	ND<0.005	2.52821e-305
			12/7/1998	ND<0.005	2.52821e-305
			6/3/1999	ND<0.005	2.52821e-305
			1/6/2000	ND<0.005	2.52821e-305
			6/14/2000	ND<0.005	2.52821e-305
			2/16/2001	ND<0.005	2.52821e-305
			1/1/2002	ND<0.005	2.52821e-305
			1/8/2003	ND<0.005	2.52821e-305
			6/26/2003	ND<0.005	2.52821e-305
			1/14/2004	ND<0.005	2.52821e-305
			6/29/2004	ND<0.005	2.52821e-305
			1/11/2005	ND<0.005	2.52821e-305
			6/15/2005	ND<0.005	2.52821e-305
			12/21/2005	ND<0.005	2.52821e-305
			7/11/2006	ND<0.005	2.52821e-305
POND	0	0	2/16/2001	0.036	2.52821e-305
			1/1/2002	0.031	2.52821e-305

Concentrations (ug/L)
Parameter: t-1,2-Dichloroethene

Original Data (Not Transformed)
Non-Detects Replaced with 1/2 DL
Total Measurements: 225
Total Non-Detect: 212
Percent Non-Detects: 94.2222%
Total Background Measurements: 64
There are 5 background locations

Loc.	Meas.	ND	Date	Conc.	Original
MW-3A	17	17 (100%)	9/1/1994	ND<2.5	ND<5
			1/1/1995	ND<2.5	ND<5
			2/1/1995	ND<2.5	ND<5
			3/1/1995	ND<2.5	ND<5
			3/26/1996	ND<2.5	ND<5
			6/25/1996	ND<2.5	ND<5
			10/7/1996	ND<2.5	ND<5
			11/19/1996	ND<2.5	ND<5
			11/15/1997	ND<2.5	ND<5
			12/15/1997	ND<2.5	ND<5
			6/22/1998	ND<2.5	ND<5
			12/7/1998	ND<2.5	ND<5
			6/3/1999	ND<2.5	ND<5
			1/6/2000	ND<2.5	ND<5
			6/14/2000	ND<2.5	ND<5
			1/1/2002	ND<2.5	ND<5
			6/6/2002	ND<2.5	ND<5
MW-4	27	27 (100%)	9/1/1994	ND<2.5	ND<5
			1/1/1995	ND<2.5	ND<5
			2/1/1995	ND<2.5	ND<5
			3/1/1995	ND<2.5	ND<5
			3/26/1996	ND<2.5	ND<5
			6/25/1996	ND<2.5	ND<5
			10/7/1996	ND<2.5	ND<5
			11/19/1996	ND<2.5	ND<5
			11/15/1997	ND<2.5	ND<5
			12/15/1997	ND<2.5	ND<5
			6/22/1998	ND<2.5	ND<5
			12/7/1998	ND<2.5	ND<5
			6/3/1999	ND<2.5	ND<5
			1/6/2000	ND<2.5	ND<5
			6/14/2000	ND<2.5	ND<5
			2/16/2001	ND<2.5	ND<5
			6/14/2001	ND<2.5	ND<5
			1/1/2002	ND<2.5	ND<5
			6/6/2002	ND<2.5	ND<5
			1/9/2003	ND<2.5	ND<5
			6/26/2003	ND<2.5	ND<5
			1/14/2004	ND<2.5	ND<5
			6/29/2004	ND<2.5	ND<5
			1/11/2005	ND<2.5	ND<5
			6/15/2005	ND<2.5	ND<5
			12/21/2005	ND<2.5	ND<5

MW-2A	21	21 (100%)	9/1/1994	ND<2.5	ND<5
			1/1/1995	ND<2.5	ND<5
			2/1/1995	ND<2.5	ND<5
			3/1/1995	ND<2.5	ND<5
			3/26/1996	ND<2.5	ND<5
			6/25/1996	ND<2.5	ND<5
			10/7/1996	ND<2.5	ND<5
			11/19/1996	ND<2.5	ND<5
			11/15/1997	ND<2.5	ND<5
			12/15/1997	ND<2.5	ND<5
			6/22/1998	ND<2.5	ND<5
			12/7/1998	ND<2.5	ND<5
			6/3/1999	ND<2.5	ND<5
			1/6/2000	ND<2.5	ND<5
			6/14/2000	ND<2.5	ND<5
			2/16/2001	ND<2.5	ND<5
			6/14/2001	ND<2.5	ND<5
			1/1/2002	ND<2.5	ND<5
			6/6/2002	ND<2.5	ND<5
			1/9/2003	ND<2.5	ND<5
			6/25/2003	ND<2.5	ND<5
MW-5	27	15 (55.5556%)	9/1/1994	5.3	5.3
			1/1/1995	6	6
			2/1/1995	ND<2.5	ND<5
			3/1/1995	ND<2.5	ND<5
			3/26/1996	ND<2.5	ND<5
			6/25/1996	7	7
			10/7/1996	6	6
			11/19/1996	6	6
			11/15/1997	ND<2.5	ND<5
			12/15/1997	5.7	5.7
			6/22/1998	ND<2.5	ND<5
			12/7/1998	5.9	5.9
			6/3/1999	ND<2.5	ND<5
			1/6/2000	ND<2.5	ND<5
			6/14/2000	ND<2.5	ND<5
			2/16/2001	6	6
			6/14/2001	ND<2.5	ND<5
			1/1/2002	ND<2.5	ND<5
			6/6/2002	ND<2.5	ND<5
			1/8/2003	5	5
			6/25/2003	5	5
			1/14/2004	ND<2.5	ND<5
			6/29/2004	ND<2.5	ND<5
			1/11/2005	7	7
			6/15/2005	ND<2.5	ND<5
			12/21/2005	4	4
			7/11/2006	ND<2.5	ND<5
MW-6	26	26 (100%)	9/1/1994	ND<2.5	ND<5
			1/1/1995	ND<2.5	ND<5
			2/1/1995	ND<2.5	ND<5
			3/1/1995	ND<2.5	ND<5
			3/26/1996	ND<2.5	ND<5
			6/25/1996	ND<2.5	ND<5
			10/7/1996	ND<2.5	ND<5

			1/8/2003	ND<2.5	ND<5
			6/25/2003	ND<2.5	ND<5
MW-7A	14	14 (100%)	1/6/2000	ND<2.5	ND<5
			6/14/2000	ND<2.5	ND<5
			2/16/2001	ND<2.5	ND<5
			6/14/2001	ND<2.5	ND<5
			1/1/2002	ND<2.5	ND<5
			6/6/2002	ND<2.5	ND<5
			1/9/2003	ND<2.5	ND<5
			6/25/2003	ND<2.5	ND<5
			1/14/2004	ND<2.5	ND<5
			6/29/2004	ND<2.5	ND<5
			1/11/2005	ND<2.5	ND<5
			6/15/2005	ND<2.5	ND<5
			12/21/2005	ND<2.5	ND<5
			7/11/2006	ND<2.5	ND<5
MW-8A	6	6 (100%)	1/6/2000	ND<2.5	ND<5
			6/14/2000	ND<2.5	ND<5
			2/16/2001	ND<2.5	ND<5
			6/14/2001	ND<2.5	ND<5
			1/1/2002	ND<2.5	ND<5
			6/6/2002	ND<2.5	ND<5
MW-5S	4	3 (75%)	2/16/2001	43	43
			1/1/2002	ND<2.5	ND<5
			6/6/2002	ND<2.5	ND<5
			1/8/2003	ND<12.5	ND<25

There are 8 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
DOWNSTREAM	0	0	3/26/1996	ND<2.5	2.52821e-305
			10/7/1996	ND<2.5	2.52821e-305
			11/19/1996	ND<2.5	2.52821e-305
			11/15/1997	ND<2.5	2.52821e-305
			12/15/1997	ND<2.5	2.52821e-305
			6/22/1998	ND<2.5	2.52821e-305
			12/7/1998	ND<2.5	2.52821e-305
			6/3/1999	ND<2.5	2.52821e-305
			1/6/2000	ND<2.5	2.52821e-305
			6/14/2000	ND<2.5	2.52821e-305
			2/16/2001	ND<2.5	2.52821e-305
			6/14/2001	ND<2.5	2.52821e-305
			1/1/2002	ND<2.5	2.52821e-305
			1/8/2003	ND<2.5	2.52821e-305
			6/26/2003	ND<2.5	2.52821e-305
			1/14/2004	ND<2.5	2.52821e-305
			6/29/2004	ND<2.5	2.52821e-305
			1/11/2005	ND<2.5	2.52821e-305
			6/15/2005	ND<2.5	2.52821e-305
			12/21/2005	ND<2.5	2.52821e-305
			7/11/2006	ND<2.5	2.52821e-305
POND	0	0	2/16/2001	ND<2.5	2.52821e-305

Concentrations (mg/L)
Parameter: Thallium

Original Data (Not Transformed)
Non-Detects Replaced with 1/2 DL
Total Measurements: 202
Total Non-Detect: 199
Percent Non-Detects: 98.5149%
Total Background Measurements: 59
There are 5 background locations

Loc.	Meas.	ND	Date	Conc.	Original
MW-3A	16	16 (100%)	9/1/1994	ND<0.005	ND<0.01
			1/1/1995	ND<0.005	ND<0.01
			2/1/1995	ND<0.005	ND<0.01
			3/1/1995	ND<0.005	ND<0.01
			3/26/1996	ND<0.005	ND<0.01
			6/25/1996	ND<0.005	ND<0.01
			10/7/1996	ND<0.005	ND<0.01
			11/19/1996	ND<0.005	ND<0.01
			11/15/1997	ND<0.005	ND<0.01
			12/15/1997	ND<0.005	ND<0.01
			6/22/1998	ND<0.005	ND<0.01
			12/7/1998	ND<0.005	ND<0.01
			6/3/1999	ND<0.005	ND<0.01
			1/6/2000	ND<0.005	ND<0.01
			6/14/2000	ND<0.005	ND<0.01
			6/6/2002	ND<0.005	ND<0.01
MW-4	25	25 (100%)	9/1/1994	ND<0.005	ND<0.01
			1/1/1995	ND<0.005	ND<0.01
			2/1/1995	ND<0.005	ND<0.01
			3/1/1995	ND<0.005	ND<0.01
			3/26/1996	ND<0.005	ND<0.01
			6/25/1996	ND<0.005	ND<0.01
			10/7/1996	ND<0.005	ND<0.01
			11/19/1996	ND<0.005	ND<0.01
			11/15/1997	ND<0.005	ND<0.01
			12/15/1997	ND<0.005	ND<0.01
			6/22/1998	ND<0.005	ND<0.01
			12/7/1998	ND<0.005	ND<0.01
			6/3/1999	ND<0.005	ND<0.01
			1/6/2000	ND<0.005	ND<0.01
			6/14/2000	ND<0.005	ND<0.01
			6/14/2001	ND<0.005	ND<0.01
			6/6/2002	ND<0.005	ND<0.01
			1/9/2003	ND<0.005	ND<0.01
			6/26/2003	ND<0.005	ND<0.01
			1/14/2004	ND<0.005	ND<0.01
			6/29/2004	ND<0.005	ND<0.01
			1/11/2005	ND<0.005	ND<0.01
			6/15/2005	ND<0.005	ND<0.01
			12/21/2005	ND<0.005	ND<0.01
			7/11/2006	ND<0.005	ND<0.01
MW-10	3	3 (100%)	6/6/2002	ND<0.005	ND<0.01

			11/19/1996	ND<0.005	ND<0.01
			11/15/1997	ND<0.005	ND<0.01
			12/15/1997	ND<0.005	ND<0.01
			6/22/1998	ND<0.005	ND<0.01
			12/7/1998	ND<0.005	ND<0.01
			6/3/1999	ND<0.005	ND<0.01
			1/6/2000	ND<0.005	ND<0.01
			6/14/2000	ND<0.005	ND<0.01
			6/14/2001	ND<0.005	ND<0.01
			6/6/2002	ND<0.005	ND<0.01
			1/9/2003	ND<0.005	ND<0.01
			6/25/2003	ND<0.005	ND<0.01
MW-5	25	22 (88%)	9/1/1994	ND<0.005	ND<0.01
			1/1/1995	ND<0.005	ND<0.01
			2/1/1995	ND<0.005	ND<0.01
			3/1/1995	ND<0.005	ND<0.01
			3/26/1996	ND<0.005	ND<0.01
			6/25/1996	ND<0.005	ND<0.01
			10/7/1996	ND<0.005	ND<0.01
			11/19/1996	ND<0.005	ND<0.01
			11/15/1997	ND<0.005	ND<0.01
			12/15/1997	ND<0.005	ND<0.01
			6/22/1998	ND<0.005	ND<0.01
			12/7/1998	ND<0.005	ND<0.01
			6/3/1999	ND<0.005	ND<0.01
			1/6/2000	ND<0.005	ND<0.01
			6/14/2000	ND<0.005	ND<0.01
			6/14/2001	ND<0.005	ND<0.01
			6/6/2002	ND<0.005	ND<0.01
			1/8/2003	ND<0.005	ND<0.01
			6/25/2003	ND<0.005	ND<0.01
			1/14/2004	ND<0.005	ND<0.01
			6/29/2004	ND<0.005	ND<0.01
			1/11/2005	ND<0.005	ND<0.01
			6/15/2005	0.05	0.05
			12/21/2005	0.063	0.063
			7/11/2006	0.0735	0.0735
MW-6	24	24 (100%)	9/1/1994	ND<0.005	ND<0.01
			1/1/1995	ND<0.005	ND<0.01
			2/1/1995	ND<0.005	ND<0.01
			3/1/1995	ND<0.005	ND<0.01
			3/26/1996	ND<0.005	ND<0.01
			6/25/1996	ND<0.005	ND<0.01
			10/7/1996	ND<0.005	ND<0.01
			11/19/1996	ND<0.005	ND<0.01
			11/15/1997	ND<0.005	ND<0.01
			12/15/1997	ND<0.005	ND<0.01
			6/22/1998	ND<0.005	ND<0.01
			12/7/1998	ND<0.005	ND<0.01
			6/3/1999	ND<0.005	ND<0.01
			6/14/2000	ND<0.005	ND<0.01
			6/14/2001	ND<0.005	ND<0.01
			6/6/2002	ND<0.005	ND<0.01
			1/9/2003	ND<0.005	ND<0.01
			6/25/2003	ND<0.005	ND<0.01

			6/14/2000	ND<0.005	ND<0.01
			6/14/2001	ND<0.005	ND<0.01
			6/6/2002	ND<0.005	ND<0.01
MW-5S	2	2 (100%)	6/6/2002	ND<0.005	ND<0.01
			1/8/2003	ND<0.005	ND<0.01

There are 6 unused locations

Loc.	Meas.	ND	Date	Conc.	Original
DOWNSTREAM	0	0	3/26/1996	ND<0.005	2.52821e-305
			10/7/1996	ND<0.005	2.52821e-305
			11/19/1996	ND<0.005	2.52821e-305
			11/15/1997	ND<0.005	2.52821e-305
			12/15/1997	ND<0.005	2.52821e-305
			6/22/1998	ND<0.005	2.52821e-305
			12/7/1998	ND<0.005	2.52821e-305
			6/3/1999	ND<0.005	2.52821e-305
			1/6/2000	ND<0.005	2.52821e-305
			6/14/2000	ND<0.005	2.52821e-305
			1/8/2003	ND<0.005	2.52821e-305
			6/26/2003	ND<0.005	2.52821e-305
			1/14/2004	ND<0.005	2.52821e-305
			6/29/2004	ND<0.005	2.52821e-305
			1/11/2005	ND<0.005	2.52821e-305
			6/15/2005	ND<0.005	2.52821e-305
			12/21/2005	ND<0.005	2.52821e-305
			7/11/2006	ND<0.005	2.52821e-305
POND	0	0	6/6/2002	ND<0.005	2.52821e-305
			1/8/2003	ND<0.005	2.52821e-305
LEACHATE	0	0	1/8/2003	ND<0.005	2.52821e-305
DITCH 2	0	0	1/9/2003	ND<0.005	2.52821e-305
DITCH 1	0	0	1/9/2003	ND<0.005	2.52821e-305
UPSTREAM	0	0	3/26/1996	ND<0.005	2.52821e-305
			10/7/1996	ND<0.005	2.52821e-305
			11/19/1996	ND<0.005	2.52821e-305
			11/15/1997	ND<0.005	2.52821e-305
			12/15/1997	ND<0.005	2.52821e-305
			6/22/1998	ND<0.005	2.52821e-305
			12/7/1998	ND<0.005	2.52821e-305
			6/3/1999	ND<0.005	2.52821e-305
			1/6/2000	ND<0.005	2.52821e-305
			6/14/2000	ND<0.005	2.52821e-305
			6/6/2002	ND<0.005	2.52821e-305
			1/8/2003	ND<0.005	2.52821e-305
			6/26/2003	ND<0.005	2.52821e-305
			1/14/2004	ND<0.005	2.52821e-305
			6/29/2004	ND<0.005	2.52821e-305
			1/11/2005	ND<0.005	2.52821e-305
			6/15/2005	ND<0.005	2.52821e-305
			12/21/2005	ND<0.005	2.52821e-305

			7/11/2006	ND<2.5	ND<5
MW-10	4	4 (100%)	1/1/2002	ND<2.5	ND<5
			6/6/2002	ND<2.5	ND<5
			1/9/2003	ND<2.5	ND<5
			6/25/2003	ND<2.5	ND<5
MW-9	10	10 (100%)	1/1/2002	ND<2.5	ND<5
			6/6/2002	ND<2.5	ND<5
			1/9/2003	ND<2.5	ND<5
			6/25/2003	ND<2.5	ND<5
			1/14/2004	ND<2.5	ND<5
			6/30/2004	ND<2.5	ND<5
			1/11/2005	ND<2.5	ND<5
			6/15/2005	ND<2.5	ND<5
			12/21/2005	ND<2.5	ND<5
			7/11/2006	ND<2.5	ND<5
MW-3B	6	6 (100%)	2/25/2004	ND<2.5	ND<5
			6/29/2004	ND<2.5	ND<5
			1/11/2005	ND<2.5	ND<5
			6/15/2005	ND<2.5	ND<5
			12/21/2005	ND<2.5	ND<5
			7/11/2006	ND<2.5	ND<5

There are 11 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW-1A	27	21 (77.7778%)	9/1/1994	8.8	8.8
			1/1/1995	13	13
			2/1/1995	12	12
			3/1/1995	9	9
			3/26/1996	10	10
			6/25/1996	6	6
			10/7/1996	ND<2.5	ND<5
			11/19/1996	ND<2.5	ND<5
			11/15/1997	ND<2.5	ND<5
			12/15/1997	ND<2.5	ND<5
			6/22/1998	ND<2.5	ND<5
			12/7/1998	ND<2.5	ND<5
			6/3/1999	ND<2.5	ND<5
			1/6/2000	ND<2.5	ND<5
			6/14/2000	ND<2.5	ND<5
			2/16/2001	ND<2.5	ND<5
			6/14/2001	ND<2.5	ND<5
			1/1/2002	ND<2.5	ND<5
			6/6/2002	ND<2.5	ND<5
			1/9/2003	ND<2.5	ND<5
			6/26/2003	ND<2.5	ND<5
			1/14/2004	ND<2.5	ND<5
			6/29/2004	ND<2.5	ND<5
			1/11/2005	ND<2.5	ND<5
			6/15/2005	ND<2.5	ND<5
			12/21/2005	ND<2.5	ND<5
			7/11/2006	ND<2.5	ND<5

			11/19/1996	ND<2.5	ND<5
			11/15/1997	ND<2.5	ND<5
			12/15/1997	ND<2.5	ND<5
			6/22/1998	ND<2.5	ND<5
			12/7/1998	ND<2.5	ND<5
			6/3/1999	ND<2.5	ND<5
			6/14/2000	ND<2.5	ND<5
			2/16/2001	ND<2.5	ND<5
			6/14/2001	ND<2.5	ND<5
			1/1/2002	ND<2.5	ND<5
			6/6/2002	ND<2.5	ND<5
			1/9/2003	ND<2.5	ND<5
			6/25/2003	ND<2.5	ND<5
			1/14/2004	ND<2.5	ND<5
			6/29/2004	ND<2.5	ND<5
			1/11/2005	ND<2.5	ND<5
			6/15/2005	ND<2.5	ND<5
			12/21/2005	ND<2.5	ND<5
			7/11/2006	ND<2.5	ND<5
MW-7	12	12 (100%)	9/1/1994	ND<2.5	ND<5
			1/1/1995	ND<2.5	ND<5
			2/1/1995	ND<2.5	ND<5
			3/1/1995	ND<2.5	ND<5
			3/26/1996	ND<2.5	ND<5
			6/25/1996	ND<2.5	ND<5
			10/7/1996	ND<2.5	ND<5
			11/19/1996	ND<2.5	ND<5
			11/15/1997	ND<2.5	ND<5
			12/15/1997	ND<2.5	ND<5
			6/22/1998	ND<2.5	ND<5
			12/7/1998	ND<2.5	ND<5
MW-8	12	12 (100%)	9/1/1994	ND<2.5	ND<5
			1/1/1995	ND<2.5	ND<5
			2/1/1995	ND<2.5	ND<5
			3/1/1995	ND<2.5	ND<5
			3/26/1996	ND<2.5	ND<5
			6/25/1996	ND<2.5	ND<5
			10/7/1996	ND<2.5	ND<5
			11/19/1996	ND<2.5	ND<5
			11/15/1997	ND<2.5	ND<5
			12/15/1997	ND<2.5	ND<5
			6/22/1998	ND<2.5	ND<5
			12/7/1998	ND<2.5	ND<5
MW-1	5	5 (100%)	1/6/2000	ND<2.5	ND<5
			6/14/2000	ND<2.5	ND<5
			2/16/2001	ND<2.5	ND<5
			6/14/2001	ND<2.5	ND<5
			1/1/2002	ND<2.5	ND<5
MW-5D	7	7 (100%)	1/6/2000	ND<2.5	ND<5
			6/14/2000	ND<2.5	ND<5
			2/16/2001	ND<2.5	ND<5
			1/1/2002	ND<2.5	ND<5
			6/6/2002	ND<2.5	ND<5

			6/14/2001	ND<2.5	2.52821e-305
			1/1/2002	ND<2.5	2.52821e-305
			6/6/2002	ND<2.5	2.52821e-305
			1/8/2003	ND<2.5	2.52821e-305
DITCH-1	0	0	6/14/2001	ND<2.5	2.52821e-305
			1/1/2002	ND<2.5	2.52821e-305
DITCH-2	0	0	1/1/2002	ND<2.5	2.52821e-305
LEACHATE	0	0	1/8/2003	ND<2.5	2.52821e-305
DITCH 2	0	0	1/9/2003	ND<2.5	2.52821e-305
DITCH 1	0	0	1/9/2003	ND<2.5	2.52821e-305
UPSTREAM	0	0	3/26/1996	ND<2.5	2.52821e-305
			10/7/1996	ND<2.5	2.52821e-305
			11/19/1996	ND<2.5	2.52821e-305
			11/15/1997	ND<2.5	2.52821e-305
			12/15/1997	ND<2.5	2.52821e-305
			6/22/1998	ND<2.5	2.52821e-305
			12/7/1998	ND<2.5	2.52821e-305
			6/3/1999	ND<2.5	2.52821e-305
			1/6/2000	ND<2.5	2.52821e-305
			6/14/2000	ND<2.5	2.52821e-305
			2/16/2001	ND<2.5	2.52821e-305
			6/14/2001	ND<2.5	2.52821e-305
			1/1/2002	ND<2.5	2.52821e-305
			6/6/2002	ND<2.5	2.52821e-305
			1/8/2003	ND<2.5	2.52821e-305
			6/26/2003	ND<2.5	2.52821e-305
			1/14/2004	ND<2.5	2.52821e-305
			6/29/2004	ND<2.5	2.52821e-305
			1/11/2005	ND<2.5	2.52821e-305
			6/15/2005	ND<2.5	2.52821e-305
			12/21/2005	ND<2.5	2.52821e-305
			7/11/2006	ND<2.5	2.52821e-305

			7/11/2006	ND<5	ND<10
MW-10	4	4 (100%)	1/1/2002	ND<5	ND<10
			6/6/2002	ND<5	ND<10
			1/9/2003	ND<5	ND<10
			6/25/2003	ND<5	ND<10
MW-9	10	10 (100%)	1/1/2002	ND<5	ND<10
			6/6/2002	ND<5	ND<10
			1/9/2003	ND<5	ND<10
			6/25/2003	ND<5	ND<10
			1/14/2004	ND<5	ND<10
			6/30/2004	ND<5	ND<10
			1/11/2005	ND<5	ND<10
			6/15/2005	ND<5	ND<10
			12/21/2005	ND<5	ND<10
			7/11/2006	ND<5	ND<10
MW-3B	6	6 (100%)	2/25/2004	ND<5	ND<10
			6/29/2004	ND<5	ND<10
			1/11/2005	ND<5	ND<10
			6/15/2005	ND<5	ND<10
			12/21/2005	ND<5	ND<10
			7/11/2006	ND<5	ND<10

There are 11 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW-1A	27	25 (92.5926%)	9/1/1994	8.6	8.6
			1/1/1995	ND<5	ND<10
			2/1/1995	ND<5	ND<10
			3/1/1995	ND<5	ND<10
			3/26/1996	ND<5	ND<10
			6/25/1996	16	16
			10/7/1996	ND<5	ND<10
			11/19/1996	ND<5	ND<10
			11/15/1997	ND<5	ND<10
			12/15/1997	ND<5	ND<10
			6/22/1998	ND<5	ND<10
			12/7/1998	ND<5	ND<10
			6/3/1999	ND<5	ND<10
			1/6/2000	ND<5	ND<10
			6/14/2000	ND<5	ND<10
			2/16/2001	ND<5	ND<10
			6/14/2001	ND<5	ND<10
			1/1/2002	ND<5	ND<10
			6/6/2002	ND<5	ND<10
			1/9/2003	ND<5	ND<10
			6/26/2003	ND<5	ND<10
			1/14/2004	ND<5	ND<10
			6/29/2004	ND<5	ND<10
			1/11/2005	ND<5	ND<10
			6/15/2005	ND<5	ND<10
			12/21/2005	ND<5	ND<10
			7/11/2006	ND<5	ND<10

			11/19/1996	ND<5	ND<10
			11/15/1997	ND<5	ND<10
			12/15/1997	ND<5	ND<10
			6/22/1998	ND<5	ND<10
			12/7/1998	ND<5	ND<10
			6/3/1999	ND<5	ND<10
			6/14/2000	ND<5	ND<10
			2/16/2001	ND<5	ND<10
			6/14/2001	ND<5	ND<10
			1/1/2002	ND<5	ND<10
			6/6/2002	ND<5	ND<10
			1/9/2003	ND<5	ND<10
			6/25/2003	ND<5	ND<10
			1/14/2004	ND<5	ND<10
			6/29/2004	ND<5	ND<10
			1/11/2005	ND<5	ND<10
			6/15/2005	ND<5	ND<10
			12/21/2005	ND<5	ND<10
			7/11/2006	ND<5	ND<10
MW-7	12	12 (100%)	9/1/1994	ND<5	ND<10
			1/1/1995	ND<5	ND<10
			2/1/1995	ND<5	ND<10
			3/1/1995	ND<5	ND<10
			3/26/1996	ND<5	ND<10
			6/25/1996	ND<5	ND<10
			10/7/1996	ND<5	ND<10
			11/19/1996	ND<5	ND<10
			11/15/1997	ND<5	ND<10
			12/15/1997	ND<5	ND<10
			6/22/1998	ND<5	ND<10
			12/7/1998	ND<5	ND<10
MW-8	12	12 (100%)	9/1/1994	ND<5	ND<10
			1/1/1995	ND<5	ND<10
			2/1/1995	ND<5	ND<10
			3/1/1995	ND<5	ND<10
			3/26/1996	ND<5	ND<10
			6/25/1996	ND<5	ND<10
			10/7/1996	ND<5	ND<10
			11/19/1996	ND<5	ND<10
			11/15/1997	ND<5	ND<10
			12/15/1997	ND<5	ND<10
			6/22/1998	ND<5	ND<10
			12/7/1998	ND<5	ND<10
MW-1	5	5 (100%)	1/6/2000	ND<5	ND<10
			6/14/2000	ND<5	ND<10
			2/16/2001	ND<5	ND<10
			6/14/2001	ND<5	ND<10
			1/1/2002	ND<5	ND<10
MW-5D	7	7 (100%)	1/6/2000	ND<5	ND<10
			6/14/2000	ND<5	ND<10
			2/16/2001	ND<5	ND<10
			1/1/2002	ND<5	ND<10
			6/6/2002	ND<5	ND<10

			6/14/2001	ND<5	2.52821e-305
			1/1/2002	ND<5	2.52821e-305
			6/6/2002	ND<5	2.52821e-305
			1/8/2003	ND<5	2.52821e-305
DITCH-1	0	0	6/14/2001	ND<5	2.52821e-305
			1/1/2002	ND<5	2.52821e-305
DITCH-2	0	0	1/1/2002	ND<5	2.52821e-305
LEACHATE	0	0	1/8/2003	ND<5	2.52821e-305
DITCH 2	0	0	1/9/2003	ND<5	2.52821e-305
DITCH 1	0	0	1/9/2003	ND<5	2.52821e-305
UPSTREAM	0	0	3/26/1996	ND<5	2.52821e-305
			10/7/1996	ND<5	2.52821e-305
			11/19/1996	ND<5	2.52821e-305
			11/15/1997	ND<5	2.52821e-305
			12/15/1997	ND<5	2.52821e-305
			6/22/1998	ND<5	2.52821e-305
			12/7/1998	ND<5	2.52821e-305
			6/3/1999	ND<5	2.52821e-305
			1/6/2000	ND<5	2.52821e-305
			6/14/2000	ND<5	2.52821e-305
			2/16/2001	ND<5	2.52821e-305
			6/14/2001	ND<5	2.52821e-305
			1/1/2002	ND<5	2.52821e-305
			6/6/2002	ND<5	2.52821e-305
			1/8/2003	ND<5	2.52821e-305
			6/26/2003	ND<5	2.52821e-305
			1/14/2004	ND<5	2.52821e-305
			6/29/2004	ND<5	2.52821e-305
			1/11/2005	ND<5	2.52821e-305
			6/15/2005	ND<5	2.52821e-305
			12/21/2005	ND<5	2.52821e-305
			7/11/2006	ND<5	2.52821e-305

			7/11/2006	ND<0.025	ND<0.05
MW-10	4	4 (100%)	1/1/2002	ND<0.025	ND<0.05
			6/6/2002	ND<0.025	ND<0.05
			1/9/2003	ND<0.025	ND<0.05
			6/25/2003	ND<0.025	ND<0.05
MW-9	10	10 (100%)	1/1/2002	ND<0.025	ND<0.05
			6/6/2002	ND<0.025	ND<0.05
			1/9/2003	ND<0.025	ND<0.05
			6/25/2003	ND<0.025	ND<0.05
			1/14/2004	ND<0.025	ND<0.05
			6/30/2004	ND<0.025	ND<0.05
			1/11/2005	ND<0.025	ND<0.05
			6/15/2005	ND<0.025	ND<0.05
			12/21/2005	ND<0.025	ND<0.05
			7/11/2006	ND<0.025	ND<0.05
MW-3B	6	5 (83.3333%)	2/25/2004	0.05	0.05
			6/29/2004	ND<0.025	ND<0.05
			1/11/2005	ND<0.025	ND<0.05
			6/15/2005	ND<0.025	ND<0.05
			12/21/2005	ND<0.025	ND<0.05
			7/11/2006	ND<0.025	ND<0.05

There are 11 compliance locations

Loc.	Meas.	ND	Date	Conc.	Original
MW-1A	27	22 (81.4815%)	9/1/1994	0.016	0.016
			1/1/1995	0.118	0.118
			2/1/1995	0.136	0.136
			3/1/1995	0.141	0.141
			3/26/1996	ND<0.025	ND<0.05
			6/25/1996	ND<0.025	ND<0.05
			10/7/1996	ND<0.025	ND<0.05
			11/19/1996	ND<0.025	ND<0.05
			11/15/1997	ND<0.025	ND<0.05
			12/15/1997	ND<0.025	ND<0.05
			6/22/1998	ND<0.025	ND<0.05
			12/7/1998	ND<0.025	ND<0.05
			6/3/1999	ND<0.025	ND<0.05
			1/6/2000	ND<0.025	ND<0.05
			6/14/2000	ND<0.025	ND<0.05
			2/16/2001	0.056	0.056
			6/14/2001	ND<0.025	ND<0.05
			1/1/2002	ND<0.025	ND<0.05
			6/6/2002	ND<0.025	ND<0.05
			1/9/2003	ND<0.025	ND<0.05
			6/26/2003	ND<0.025	ND<0.05
			1/14/2004	ND<0.025	ND<0.05
			6/29/2004	ND<0.025	ND<0.05
			1/11/2005	ND<0.025	ND<0.05
			6/15/2005	ND<0.025	ND<0.05
			12/21/2005	ND<0.025	ND<0.05
			7/11/2006	ND<0.025	ND<0.05

			11/19/1996	ND<0.025	ND<0.05
			11/15/1997	ND<0.025	ND<0.05
			12/15/1997	ND<0.025	ND<0.05
			6/22/1998	ND<0.025	ND<0.05
			12/7/1998	ND<0.025	ND<0.05
			6/3/1999	ND<0.025	ND<0.05
			6/14/2000	ND<0.025	ND<0.05
			2/16/2001	ND<0.025	ND<0.05
			6/14/2001	ND<0.025	ND<0.05
			1/1/2002	ND<0.025	ND<0.05
			6/6/2002	ND<0.025	ND<0.05
			1/9/2003	ND<0.025	ND<0.05
			6/25/2003	ND<0.025	ND<0.05
			1/14/2004	ND<0.025	ND<0.05
			6/29/2004	ND<0.025	ND<0.05
			1/11/2005	ND<0.025	ND<0.05
			6/15/2005	ND<0.025	ND<0.05
			12/21/2005	ND<0.025	ND<0.05
			7/11/2006	ND<0.025	ND<0.05
MW-7	12	0 (0%)	9/1/1994	0.36	0.36
			1/1/1995	0.535	0.535
			2/1/1995	0.492	0.492
			3/1/1995	0.387	0.387
			3/26/1996	0.107	0.107
			6/25/1996	0.132	0.132
			10/7/1996	0.118	0.118
			11/19/1996	0.063	0.063
			11/15/1997	0.298	0.298
			12/15/1997	0.218	0.218
			6/22/1998	0.278	0.278
			12/7/1998	0.123	0.123
MW-8	12	11 (91.6667%)	9/1/1994	ND<0.025	ND<0.05
			1/1/1995	0.076	0.076
			2/1/1995	ND<0.025	ND<0.05
			3/1/1995	ND<0.025	ND<0.05
			3/26/1996	ND<0.025	ND<0.05
			6/25/1996	ND<0.025	ND<0.05
			10/7/1996	ND<0.025	ND<0.05
			11/19/1996	ND<0.025	ND<0.05
			11/15/1997	ND<0.025	ND<0.05
			12/15/1997	ND<0.025	ND<0.05
			6/22/1998	ND<0.025	ND<0.05
			12/7/1998	ND<0.025	ND<0.05
MW-1	5	5 (100%)	1/6/2000	ND<0.025	ND<0.05
			6/14/2000	ND<0.025	ND<0.05
			2/16/2001	ND<0.025	ND<0.05
			6/14/2001	ND<0.025	ND<0.05
			1/1/2002	ND<0.025	ND<0.05
MW-5D	7	7 (100%)	1/6/2000	ND<0.025	ND<0.05
			6/14/2000	ND<0.025	ND<0.05
			2/16/2001	ND<0.025	ND<0.05
			1/1/2002	ND<0.025	ND<0.05
			6/6/2002	ND<0.025	ND<0.05

			6/6/2002	0.07	2.52821e-305
			1/8/2003	ND<0.025	2.52821e-305
DITCH-1	0	0	1/1/2002	ND<0.025	2.52821e-305
DITCH-2	0	0	1/1/2002	0.35	2.52821e-305
LEACHATE	0	0	1/8/2003	ND<0.025	2.52821e-305
DITCH 2	0	0	1/9/2003	ND<0.025	2.52821e-305
DITCH 1	0	0	1/9/2003	ND<0.025	2.52821e-305
UPSTREAM	0	0	3/26/1996	ND<0.025	2.52821e-305
			10/7/1996	ND<0.025	2.52821e-305
			11/19/1996	ND<0.025	2.52821e-305
			11/15/1997	ND<0.025	2.52821e-305
			12/15/1997	ND<0.025	2.52821e-305
			6/22/1998	ND<0.025	2.52821e-305
			12/7/1998	ND<0.025	2.52821e-305
			6/3/1999	ND<0.025	2.52821e-305
			1/6/2000	ND<0.025	2.52821e-305
			6/14/2000	ND<0.025	2.52821e-305
			2/16/2001	ND<0.025	2.52821e-305
			1/1/2002	ND<0.025	2.52821e-305
			6/6/2002	ND<0.025	2.52821e-305
			1/8/2003	ND<0.025	2.52821e-305
			6/26/2003	ND<0.025	2.52821e-305
			1/14/2004	ND<0.025	2.52821e-305
			6/29/2004	ND<0.025	2.52821e-305
			1/11/2005	ND<0.025	2.52821e-305
			6/15/2005	ND<0.025	2.52821e-305
			12/21/2005	ND<0.025	2.52821e-305
			7/11/2006	ND<0.025	2.52821e-305