JUNE 2007
SEMI-ANNUAL GROUNDWATER SAMPLING EVENT
EDGECOMBE COUNTY LANDFILL
TARBORO, NORTH CAROLINA

S&ME Job No. 1054-07-238

Prepared for:
Edgecombe County
PO Box 10
Tarboro, NC 27886

Prepared by:

3201 Spring Forest Road
Raleigh, NC 27616

December 27, 2007

December 27, 2007

Mr. Ervin Lane
Department of Environment and Natural Resources
Division of Waste Management
Solid Waste Section
401 Oberlin Road, Suite 150
Raleigh, North Carolina 27605

Reference: Semi-Annual Groundwater Sampling Event, June 2007
Edgecombe County Landfill (Permit No.33-01)
Tarboro, North Carolina
S&ME Job No. 1054-07-238

Dear Mr. Lane:

On behalf of Edgecombe County, S&ME, Inc. (S&ME) is pleased to submit this report documenting the semi-annual groundwater sampling event conducted on June 25 through June 27, 2007 at the Edgecombe County Landfill located in Tarboro, North Carolina. A compact disk (CD) with an electronic copy of Table 1 in Excel spreadsheet format (.xls) and an electronic copy of this report in portable document format (.pdf) is included in Appendix II.

The following report presents the results of laboratory analyses of groundwater samples collected from seven monitor wells (MW-1A, MW-3B, MW-4, MW-5, MW-6, MW-7A and MW-9). No surface water samples were collected as part of the June 2007 monitoring event because the two surface water sampling points (upstream and downstream) located on Jerry's Creek were dry at the time of S&ME's site visit. Static water-level measurements were recorded at selected on-site piezometers and wells to supplement the data points used to project the estimated groundwater table elevations, flow direction, and velocity.

Based on the number of analytes detected in the groundwater samples collected at the landfill during this sampling event, S&ME recommends that semi-annual sampling be continued at the site for select analytes on the Appendix I constituent list in accordance with Section .1634 (b) of the Solid Waste Management Rules, and that future events exclude Appendix II monitoring.

S&ME also recommends that hydrogeologic and chemical data necessary to model the fate and transport of VOCs and inorganic analytes in the area of MW-5 be collected and

analyzed to select possible corrective actions. Edgecombe County has already begun some of the assessment of corrective actions for the area near MW-5. Results of previous assessment activities have been submitted by the County to the Division of Waste Management (DWM), Solid Waste Section (Section). In addition, S&ME recommends an assessment of the effect of the new Solid Waste Section Reporting Limits (SWSLs) on statistical analysis procedures to determine if statistical analyses should be continued for all four compliance wells (MW-1A, MW-5, MW-6, and MW-7A).

Please call us at (919) 872-2660 if you have any questions or comments, or if we can be of further assistance.

Sincerely,
S&ME, Inc.

Ernest F. Parker, P.E, PG
Vice President/Senior Counsultant

Samuel P. Watts, P.G.
Senior Project Manager

Enclosure: *June 2007 Semi-Annual Groundwater Sampling Event*, dated December 27, 2007

Cc: Mr. Danny Bagley - Edgecombe County Solid Waste Manager

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

NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

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

Instructions:

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

Solid Waste Monitoring Data Submittal Information

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

S&ME, Inc. (consultant)

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

Name: Sam Watts Phone: (919) 872-2660

E-mail: swatts@smeinc.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Edgecombe County Landfill	SR 1601 (Colonial Rd) Tarboro, NC 27886	33-01	.1600	June 25-27, 2007

Environmental Status: (Check all that apply)

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

Type of data submitted: (Check all that apply)

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

Notification attached?

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

Certification

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

Sam Watts — Facility Representative Name (Print)
Consultant/Geologist — Title
(919) 872-2660 — (Area Code) Telephone Number
Signature
12/27/07 — Date

Affix NC Licensed/Professional Geologist/Engineer Seal here:

NORTH CAROLINA LICENSED SEAL 1555 GEOLOGIST SAMUEL P. WATTS 1/27/08

Revised 01/2007

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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). At their solid waste facility, the County operates a municipal solid waste (MSW) transfer station and a construction & demolition (C&D) debris landfill unit over an existing closed MSW landfill in accordance with NCDENR Permit No.33-01. 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 June 2007 monitoring event as required by § .600 of the Solid Waste Rules.

The June 2007 monitoring event included sampling for groundwater quality from the following wells selected from the groundwater 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

No surface water samples were collected as part of the June 2007 monitoring event because the two surface water sampling points (upstream and downstream) located on Jerry's Creek were dry at the time of our site visit. Groundwater monitoring locations are illustrated on Figure 2.

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 (1999), 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 JUNE 2007 SAMPLING EVENT

S&ME personnel conducted semi-annual groundwater sampling at seven monitoring wells at the Edgecombe County Landfill (Figure 1) for the June 2007 sampling event. A discussion of field sampling methods and locations for the June 2007 groundwater sampling event is provided below. 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.

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, MW-8A, and MW-10 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 no higher than approximately 20 Nephelometric Turbidity Units (NTUs). The field parameters measured immediately before collecting each groundwater sample are presented in Table 1. One blind duplicate groundwater sample set was collected from MW-3B for the purpose of Quality Assurance/Quality Control (QA/QC).

Groundwater samples were submitted to SGS/Paradigm Analytical Laboratories, Inc. (SGS), a North Carolina-certified laboratory, for analysis of constituents listed under 40 CFR 258 Appendix I and several additional geochemical parameters. The results of analytical testing are discussed in Section 4.1 and a summary of compound concentrations detected are presented in Table 1 and Table 3. A copy of the groundwater laboratory report is provided in Appendix I. A compact disk (CD) with and electronic copy of Table 1 in excel spreadsheet format (.xls) and an electronic copy of this report in portable document format (.pdf) is included in Appendix II.

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 were 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 projected 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 2, 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 2 and is presented on Figure 2. Calculated groundwater flow velocities in the surficial aquifer ranged from 3.4 to 18.8 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 11.06 ft/yr. The average hydraulic gradient within the surficial aquifer is 0.019 ft/ft. The calculated gradients and resulting groundwater velocities in June 2007 were generally lower than those recorded during the previous sampling events because the groundwater levels for this sampling event were collected during drought conditions.

4.0 GROUNDWATER QUALITY

4.1 Methods and Standards

S&ME sampled seven groundwater monitoring wells (MW-1A, MW-3B, MW-4, MW-5, MW-6, MW-7A, and MW-9) during the June 2007 sampling event. The samples were analyzed by SGS for constituents listed in the 40 CFR 258, Appendix I analyte list and several additional geochemical parameters. Laboratory analytical methods included EPA Method 6010/6020 (metals), Method 8260 (volatile organic compounds, VOCs), and several additional methods for the geochemical parameters which are listed in the laboratory report in Appendix I. Discussions of the laboratory test results from the groundwater samples are included in the following sections. The results of the laboratory testing for the June 2007 sampling event are summarized on Table 1 and Table 3. The laboratory reports from SGS are provided in Appendix I. A compact disk (CD) with and electronic copy of Table 1 in Excel spreadsheet format (.xls) is included in Appendix II.

In a memorandum from NCDENR-DWM, Solid Waste Section (Section) dated October 27, 2006, the Section indicated that effective December 1, 2006 the Practical Quantitation Limits (PQLs) established in 1994 would be changed to Solid Waste Reporting Limits (SWRLs). On February 23, 2007, the Section issued an addendum to the October 27, 2006 memorandum. The addendum provided further clarification regarding the detection of constituents in groundwater at levels below the previous PQLs. The nomenclature of the SWRL described in the October 27, 2006, memorandum was changed to Solid Waste Section Limit (SWSL) in the February 23, 2007 memorandum. The SWSL was defined as the lowest amount of analyte in a sample that can be quantitatively determined with suitable precision and accuracy. The SWSL is the concentration below which reported analytical results must be qualified as estimated. The SWSL is the updated version of the PQL that appears in older North Carolina Solid

Waste Section literature. The SWSL is the limit established by the laboratory survey conducted by the North Carolina Solid Waste Section. In the February 23, 2007 memorandum the Section also required that laboratories report analytical results to the method detection limits (MDLs) rather than the PQL.

In reference to the constituents detected during this sampling event, the new SWSLs and MDLs are lower than the previous PQLs. For these reasons, several constituents that have not been detected prior to 2007, were detected in the June 2007 sampling event. In our opinion, these findings generally are not indicative of an increase in the presence of these constituents in the groundwater but rather due to changes in the reporting and evaluation standards.

4.2 Groundwater Analytical Data

Constituent concentrations detected above the laboratory MDLs are summarized on Table 3. For comparison purposes, these results are shown with their respective SWSL and 15A North Carolina Administrative Code (NCAC) Subchapter 2L .0200 Groundwater Quality Standards (2L Standard). Where target groundwater constituents have no established 2L and/or SWSL standard, the analytical results 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 June 2007 sampling event. The duplicate groundwater sample was collected from monitor well MW-3B. Monitoring wells MW-1A, MW-5, MW-6 and MW-7A are downgradient (compliance) wells sampled during this sampling event.

Volatiles No Appendix I volatile organic compounds (VOCs) were detected in excess of the standards in the groundwater samples from upgradient wells MW-3B, MW-4, and MW-9. However, xylene and toluene were detected in all three upgradient wells at levels below their respective SWSLs and 2L Standards. Ethylbenzene was also detected in the sample from well MW-3B below its standards.

Several VOC detections above groundwater standards were reported for the samples from the downgradient (compliance) wells. Benzene exceeded its 2L groundwater standard in the samples from MW-6 and MW-7A. In addition, the benzene detection level for the sample from MW-5 (8.52 µg/L) was above the benzene SWSL and 2L Standard of 1 µg/L due to dilution of the sample in the laboratory, so that benzene may also have been in the sample from that well but not apparent due to the high detection level.

Cis-1,2-dichloroethene was reported in excess of its 2L standard in the samples from wells MW-1A and MW-5. 1,4-Dichlorobenzene was not detected above standards in any of the compliance well samples but may have been present in the MW-5 sample due to elevated detection levels greater than the SWSL due to sample dilution by the laboratory. Methylene chloride exceeded the 2L standard in the MW-5 sample. Well MW-5 also had a detection level for trichloroethene in excess of its 2L standard.

Vinyl chloride was detected in excess of its 2L standard in the MW-5 and MW-6 samples. The laboratory MDL for vinyl chloride for all samples was in excess of the vinyl chloride 2L standard so that constituent may potentially have been present at low levels in any of the samples without being detected.

Chlorobenzene and 1,1-dichloroethane were detected in the MW-5 groundwater sample below the 2L standard but above the SWSL standard. Ethylbenzene, toluene and xylenes were detected below their respective 2L standards but above the SWSL in the samples from MW-6 and MW-5. The laboratory MDL for 1,1-dichloroethane was also above the SWSL standard in the MW-5 sample.

Inorganics Cobalt and thallium were both reported at levels exceeding the 2L Standard in the sample from well MW-5. No other exceedances of the respective 2L Standards was reported for inorganics. However, it was noted that the laboratory MDL for thallium was 5.21 µg/L. There is currently no 2L standard for thallium but the Solid Waste Groundwater Protection Standard (GWPST) for thallium is 0.28 µg/L. Therefore, although the MDL was less than the SWSL of 5.5 µg/L, low levels of thallium exceeding the GWPST may have occurred in any other samples without detection by the laboratory.

Several inorganic constituents were detected below the 2L standard but above the SWSL. Barium exceeded the SWSL in all of the samples except background well MW-4. Chromium, lead, selenium and zinc were below the 2L level in the MW-5 sample but were above the SWSL. Cobalt and zinc exceeded the SWSL in the sample from MW-3B. The zinc SWSL standard was also exceeded in the MW-1A sample.

There is currently no 2L standard for vanadium. The GWPST standard for groundwater is 3.5 µg/L, which was exceeded in all of the groundwater samples. The average level in the background wells was 7.46 µg/L and the average compliance well level was 8.05 µg/L.

Geochemical Parameters Calcium, magnesium, potassium, sodium, alkalinity, COD, and TOC were all detected in all of the well groundwater samples. Ammonia was also detected in the samples from wells MW-1A, MW-6 and MW-7A. There are currently no established regulatory standards for these parameters. Generally, the levels of these parameters were higher in the compliance wells than in the background wells.

Iron has a 2L standard of 300 µg/L, which was exceeded in the samples from all of the wells. Iron was also reported to have been detected in the laboratory blank sample, making these results suspect. However, the average iron detection for the background well samples was 4065 µg/L while the average reported value for the compliance wells was about 42,600 µg/L.

The 2L standard for total dissolved solids (TDS) is 500,000 µg/L. This value was

slightly exceeded by the detection of 517,000 µg/L in the sample from well MW-5.

5.0 DISCUSSION OF GROUNDWATER DETECTIONS

As discussed in Section 4, the following 25 individual Appendix I constituents were detected in one or more samples in the June 2007 monitoring event:

June 2007 Sampling Event –
Appendix I Constituents Detected in Groundwater

Background Monitor Wells	Appendix I Detected Constituents
MW-3B	**ethylbenzene, toluene, xylenes, barium, cobalt, copper, nickel, selenium, vanadium, zinc**
MW-4	**toluene, xylenes, barium, chromium, cobalt, copper, selenium, vanadium, zinc**
MW-9	**toluene, xylenes, barium, cobalt, copper, vanadium**
Compliance Monitor Wells	**Appendix I Detected Constituents**
MW-1A	**benzene, 1,4-dichlorobenzene, 1,1-dichloroethane, cis-1,2-dichloroethene, ethylbenzene, toluene, xylenes, barium, cobalt, copper, nickel, selenium, vanadium, zinc**
MW-5	**chlorobenzene, 1,1-dichloroethane, cis-1,2-dichloroethene, methylene chloride, vinyl chloride, arsenic, barium, chromium, cobalt, copper, lead, nickel, selenium, silver, thallium, vanadium, zinc**
MW-6	**benzene, 1,1-dichloroethane, cis-1,2-dichloroethene, ethylbenzene, toluene, vinyl chloride, xylenes, barium, chromium, cobalt, copper, vanadium, zinc**
MW-7A	**benzene, chlorobenzene, chloroethane, 1,4-dichlorobenzene, toluene, arsenic, barium, chromium, cobalt, copper, lead, vanadium**

As discussed in Section 4.0, the following 13 individual geochemical constituents were detected in the June 2007 monitoring event:

June 2007 Sampling Event –
Geochemical Parameters Detected in Groundwater

Background Monitor Wells	Geochemical Detected Constituents
MW-3B	calcium, iron, magnesium, mercury, potassium, sodium, chloride, COD, sulfate, TDS, TOC
MW-4	calcium, iron, magnesium, mercury, potassium, sodium, alkalinity, chloride, COD, sulfate, TDS, TOC
MW-9	calcium, iron, magnesium, mercury, potassium, sodium, alkalinity, chloride, COD, TDS, TOC
Compliance Monitor Wells	**Geochemical Detected Constituents**
MW-1A	calcium, iron, magnesium, potassium, sodium, alkalinity, ammonia, chloride, COD, sulfate, TDS, TOC
MW-5	calcium, iron, magnesium, potassium, sodium, alkalinity, chloride, COD, sulfate, TDS, TOC
MW-6	calcium, iron, magnesium, mercury, potassium, sodium, alkalinity, ammonia, chloride, COD, TDS, TOC
MW-7A	calcium, iron, magnesium, mercury, potassium, sodium, alkalinity, ammonia, chloride, COD, sulfate, TDS, TOC

5.1 Statistical Analysis

The statistical methods described in the facility's WQMP (S&ME, 1994) are the same as those described in Section .1632 (g) of the Solid Waste Rules for statistical evaluation of groundwater monitoring data for considering whether or not a detected analyte should be considered a release from the facility. S&ME has previously performed statistical evaluations of groundwater monitoring data and included this demonstration in sampling reports previously submitted to the Section.

No statistical analysis was performed for this sampling report due to the following changes in sample analytical methods and ongoing assessments activities:

- Several constituents that have not been reported as detected during sampling events prior to 2007 were detected in the June 2007 sampling event due to the fact that the new SWSLs and MDLs are lower than the previous PQLs. Additional sampling events are recommended to evaluate the statistical significance of the these low level detections.

- Historically, both organic and inorganic constituents have been detected at the facility. In a letter dated May 10, 1999, the Section approved (with comments) the *Work Plan for Groundwater Assessment* (S&ME, 1999) to address the apparent impact to water quality from the facility. S&ME has assisted the County with assessing the nature and extent of the groundwater contamination at the

landfill facility. The results of previous assessment activities have been submitted to the Section. The County is currently performing assessment of corrective measures (ACM) prior to implementing engineering controls to mitigate the impacts from the release. After corrective actions have been implemented, it would be appropriate to resume statistical analysis of the sampling data to evaluate the effectiveness of remedial activities at the site.

5.2 Groundwater Sampling Methods and Procedures

Background Monitor Wells MW-3B, MW-4, and MW-9

A total of three Appendix I VOCs were detected above the laboratory MDL during the June 2007 sampling event in the samples collected from background monitor wells MW-3B, MW-4, and MW-9, all below their respective SWSLs and 2L Standards. Seven Appendix I inorganic constituents were detected above the laboratory MDL during the June 2007 sampling event in the background monitor wells. Three of these seven Appendix I inorganic constituents were detected in the background monitor wells exceeding their respective SWSLs.

Barium was detected above its respective SWSL in the samples collected from MW-3B and MW-9. Time series graphs of the detected concentrations of barium at MW-3B and MW-9 are included in Appendix III. As shown on the graphs, detections of barium were not previously reported for background monitor wells MW-3B and MW-9 until the January 2007 sampling event. In our opinion, these detections do not indicate a change in groundwater quality at these locations but rather reflect changes in protocol. Barium was not previously reported as detected under the PQL protocol (500 µg/L). Since the new SWSL (100 µg/L) became effective, the detections of barium in the water samples from MW-3B and MW-9 have been reported.

Cobalt and zinc were also detected above their respective SWSLs in the samples collected from MW-3B. Time series graphs of the detected concentrations of cobalt and zinc at the background monitor well MW-3B are included in Appendix III. As shown on the graphs, cobalt has been consistently detected at about 30 µg/L. The 2007 results for cobalt show a slight decrease over previous results. Prior to 2007, zinc had only been detected in MW-3B groundwater samples in the early 2004 sample. Those results and the 2007 results are not sufficient to identify a discernable trend for zinc.

Vanadium was detected above its respective GWPST in the samples collected from MW-3B, MW-4, and MW-9. Time series graphs of the detected concentrations of vanadium at the background monitor wells are included in Appendix III. A review of the time series graph for vanadium shows that detections of vanadium were not previously reported for background wells MW-3B and MW-9 until the January 2007 sampling event. In addition, vanadium was periodically detected in samples from well MW-4 with no discernable trend through about 1999, after which vanadium was not detected until the 2007 sampling events. In our opinion, these detections do not indicate a change in groundwater quality at these locations but rather reflect changes in protocol. Vanadium was not previously reported as detected under the PQL protocol (40 µg/L) and GWPST of 25 µg/L. Since the new SWSL

(25 µg/L) and GWPST (3.5 µg/L) became effective, the detections of vanadium in the background well water samples has been reported.

A total of twelve geochemical parameters were detected during the June 2007 sampling event in the samples collected from background monitor wells MW-3B, MW-4, and MW-9. Iron was the only geochemical parameter detected in the background monitor wells exceeding its respective SWSL and 2L Standard. However, no laboratory analyses for iron have previously been completed for samples from these wells, with the exception of MW-4 and MW-9 for the January 2003 sampling event. Therefore, no discernable trend for iron can yet be identified and time series graphs of detected concentrations of iron at the background monitor wells are not included in this report.

Compliance Monitor Well MW-1A

The groundwater sample collected from compliance monitor well MW-1A had seven Appendix I VOCs detected above the laboratory MDL during the June 2007 sampling event. All analytes were detected below their respective SWSLs and 2L Standards. One of these Appendix I constituents (cis-1,2-dichloroethene) has historically been detected in MW-1A. A time series graph of the detections of cis-1,2-dichloroethene at MW-1A is included in Appendix III. A review of this graph shows a trend of decreasing concentrations over time at MW-1A.

Seven Appendix I inorganic constituents were detected above the laboratory MDL during the June 2007 sampling event in the sample collected from compliance monitor well MW-1A. Vanadium was detected above its respective GWPST in all of the sampled monitor wells, including the sample collected from MW-1A. Two additional Appendix I inorganic constituents (barium and zinc) were detected in MW-1A exceeding their respective SWSLs. Time series graphs of the detected concentrations of these constituents at MW-1A are included in Appendix III. All three of these constituents were detected periodically previous to about 1995 and during the 2007 sampling events. Although the detections in 2007 have been lower, there is insufficient data to identify discernable trends for these constituents at this well.

During the June 2007 sampling event, twelve geochemical parameters were detected in the sample collected from compliance monitor well MW-1A. Iron was the only geochemical parameter detected in MW-1A exceeding its respective SWSL and 2L Standard. Laboratory analyses for iron have not previously been completed in monitor well MW-1A with the exception of the January 2003 sampling event. Therefore, a time series graph of detected concentrations of iron at the compliance monitor well MW-1A is not included in this report.

Compliance Monitor Well MW-5

A total of five Appendix I VOCs (cis-1,2-dichloroethene, chlorobenzene, methylene chloride, 1,1-dichloroethane, and vinyl chloride) were detected exceeding their respective SWSLs in the groundwater sample collected from compliance monitor well MW-5 during the June 2007 sampling event. The MW-5 sample was diluted in the laboratory and, as a result, the laboratory MDL for several other VOCs were elevated above their respective SWSLs. Although none of these VOCs were actually detected by the analyses, these VOCs

may have been present above the SWSL but below the elevated detection levels. Three of the five VOCs that were detected in the sample collected from MW-5 (cis-1,2-dichloroethene, methylene chloride, and vinyl chloride) also exceeded their respective 2L Standards. Time series graphs of the detected concentrations of these five constituents at MW-5 are included in Appendix III. All of these Appendix I constituents have historically been detected in MW-5. Concentrations of 1,1-dichloroethane show a trend of decreasing concentrations over time. A review of the time series graph for cis-1,2-dichloroethene detected in MW-5 shows a trend of increasing concentrations over time. There is no discernable trend of the detected concentrations of chlorobenzene, methylene chloride, and vinyl chloride.

The groundwater sample collected from MW-5 had twelve Appendix I inorganic constituents detected above the laboratory MDL during the June 2007 sampling event. Six of these twelve Appendix I inorganics were detected in MW-5 exceeding their respective SWSLs. In addition, concentrations of cobalt, thallium, and vanadium were detected in the samples collected from MW-5 exceeding their respective GWPSTs. Time series graphs of the detected concentrations of these constituents at MW-5 are included in Appendix III. A review of the time series graph for zinc detected in MW-5 shows a trend of slightly decreasing concentrations over time. Concentrations of cobalt and thallium show trends of increasing concentrations over time. There is no discernable trend of the detected concentrations of lead, chromium, arsenic, and vanadium. Barium and selenium were detected above the SWSLs (100 µg/L and 10 µg/L) but were not previously detected above the previous PQLs (500 µg/L and 20 µg/L) since 1994.

A total of eleven geochemical parameters were detected in the sample collected from compliance monitor well MW-5. Iron and TDS were the only geochemical parameters detected in MW-5 exceeding their respective SWSLs and/or 2L Standards. Laboratory analyses for TDS has not previously been completed in monitor well MW-5. In addition, laboratory analyses for iron has not previously been completed in monitor well MW-5 with the exception of the January 2003 sampling event. Therefore, time series graphs of detected concentrations of iron and TDS at the compliance monitor well MW-5 are not included in this report.

Compliance Monitor Wells MW-6

The groundwater sample collected from monitor well MW-6 had seven Appendix I VOCs detected above their respective SWSLs during the June 2007 sampling event. These VOCs were benzene, 1,1-dichloroethane, cis-1,2-dichloroethene, ethylbenzene, toluene, vinyl chloride and total xylenes. Benzene and vinyl chloride were detected in the MW-6 groundwater sample exceeding their respective 2L Standards. Time series graphs of ethylbenzene, benzene, toluene, and vinyl chloride concentrations at MW-6 are included in Appendix III. Ethylbenzene, benzene, and toluene have not been previously detected in MW-6 since 1994 until the January 2007 sampling event. Vinyl chloride has not been previously detected in MW-6 since 1994.

Of six Appendix I inorganic constituents (barium, chromium, cobalt, copper, vanadium, and zinc) detected above the laboratory MDL during the June 2007 sampling event in the sample

collected from compliance monitor well MW-6, two (barium and vanadium) exceeded their respective SWSLs. Vanadium was also detected above its GWPST. Time series graphs of the detected concentrations of barium and vanadium at MW-6 are included in Appendix III. A review of these time series graphs shows that these constituents were not previously detected as exceeding the old PQL standards. Since the implementation of the SWSL detection criteria, barium has been detected once during the January 2007 sampling event but vanadium was not.

During the June 2007 sampling event, twelve geochemical parameters were detected in the sample collected from compliance monitor well MW-6. Most of these geochemical parameters do not have established 2L, GWPST or SWSL standards. Iron was the only geochemical parameter with established standards that were exceeded in the MW-6 sample. Iron exceeded its respective SWSL and 2L standards. Laboratory analyses for iron have not previously been completed in monitor well MW-6 with the exception of the January 2003 sampling event. Therefore, a time series graph of detected concentrations of iron at the compliance monitor well MW-6 is not included in this report.

Compliance Monitor Well MW-7A

Five Appendix I VOCs were detected above the laboratory MDL in the groundwater sample collected from compliance monitor well MW-7A during the June 2007 sampling event. One of the five analytes, benzene, was detected above its respective 2L Standard and SWSL. A review of the time series graph for benzene in MW-7A shows that benzene was not previously detected in MW-7A under the old PQL criteria since 1994, but was detected in January 2007 under the newer SWSL criteria.

The groundwater sample collected from monitor well MW-7A had seven Appendix I inorganic constituents (arsenic, barium, chromium, cobalt, copper, lead and vanadium) detected above the laboratory MDL during the June 2007 sampling event. Vanadium and barium were the only inorganic constituents detected in MW-7A exceeding their respective GWPST and/or SWSLs. Barium exceeded its SWSL but did not exceed its 2L or GWPST standards. Vanadium was found to exceed its GWPST. Time series graphs of vanadium and barium concentrations detected at MW-7A are included in Appendix III. As shown on the time series graphs, neither barium nor vanadium were detected in MW-7A samples under the old PQL detection standard. Barium was detected in January 2007 under the SWSL criteria but vanadium was not.

All thirteen geochemical parameters analyzed were detected in the sample collected from compliance monitor well MW-7A. Most of these geochemical parameters do not have established 2L, GWPST or SWSL standards. Iron was the only geochemical parameter with established standards that were exceeded in the MW-7A sample. Iron exceeded its respective SWSL and 2L standards. Laboratory analyses for iron have not previously been completed in monitor well MW-7A with the exception of the January 2003 sampling event. Therefore, a time series graph of detected concentrations of iron at the compliance monitor well MW-7A is not included in this report.

6.0 CONCLUSIONS AND RECOMMENDATIONS

S&ME performed semi-annual sampling at the Edgecombe County Landfill in Tarboro, North Carolina. During the June 2007 sampling event, groundwater samples were collected from three background (upgradient) and four compliance (downgradient) monitoring wells.

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, MW-8A, and MW-10 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. The field activities, observations, and groundwater analytical results included in this sampling event are as follows:

6.1 Summary of June 2007 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 11.06 ft/yr.

- No surface water samples were collected as part of the June 2007 monitoring event because the two surface water sampling points (upstream and downstream) located on Jerry's Creek were dry at the time of S&ME's site visit.

- Constituent concentrations of twenty-five Appendix I analytes were detected above the laboratory MDL in the samples collected. Of these twenty-five, six analytes were detected at concentrations that exceeded groundwater quality standards. The Appendix I inorganic compound vanadium exceeded its respective standard in groundwater samples collected from all monitor wells including upgradient (background) monitor wells MW-3B, MW-4, and MW-9 and downgradient (compliance) monitor wells MW-1A, MW-5, MW-6, and MW-7A. The Appendix I VOC benzene was detected above its respective standard in downgradient monitor wells MW-6 and MW-7A. The Appendix I VOCs cis-1,2-dichloroethene and methylene chloride and the Appendix I inorganic compounds cobalt and thallium were also detected above their respective standards in MW-5. The Appendix I VOC vinyl chloride was detected above its respective standard in downgradient monitor wells MW-5 and MW-6.

- Constituent concentrations of thirteen geochemical parameters were detected in the samples collected. Most of these geochemical parameters do not have established 2L, GWPST or SWSL standards. Iron and TDS were the only geochemical parameters detected at concentrations that exceeded their respective groundwater quality standards. Iron exceeded its respective standard in groundwater samples collected

from all monitor wells including upgradient (background) monitor wells MW-3B, MW-4, and MW-9 and downgradient (compliance) monitor wells MW-1A, MW-5, MW-6, and MW-7A. TDS exceeded its respective standard in the groundwater sample collected from MW-5.

- No statistical analysis was performed for the June 2007 sampling event, however, time series graphs of historically detected constituents were reviewed. The majority of the Appendix I analytes detected above their respective groundwater quality standards during the June 2007 sampling event appear to follow statistical trends evaluated during the January 2007 sampling event.

6.2 Recommendations

The results of the June 2007 sampling event show that groundwater near the Edgecombe County Landfill has been impacted by the facility. Based on the number of analytes detected in the groundwater at the landfill during this sampling event, S&ME recommends that semi-annual sampling be continued at the site for select analytes on the Appendix I constituent list in accordance with Section .1634 (b) of the Solid Waste Management Rules, and that future events exclude Appendix II monitoring.

In addition, 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. S&ME is also in the process of assessing the effect of the new SWSLs on statistical analysis procedures to determine if statistical analyses should be continued on all four compliance wells (MW-1A, MW-5, MW-6, and MW-7A).

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.

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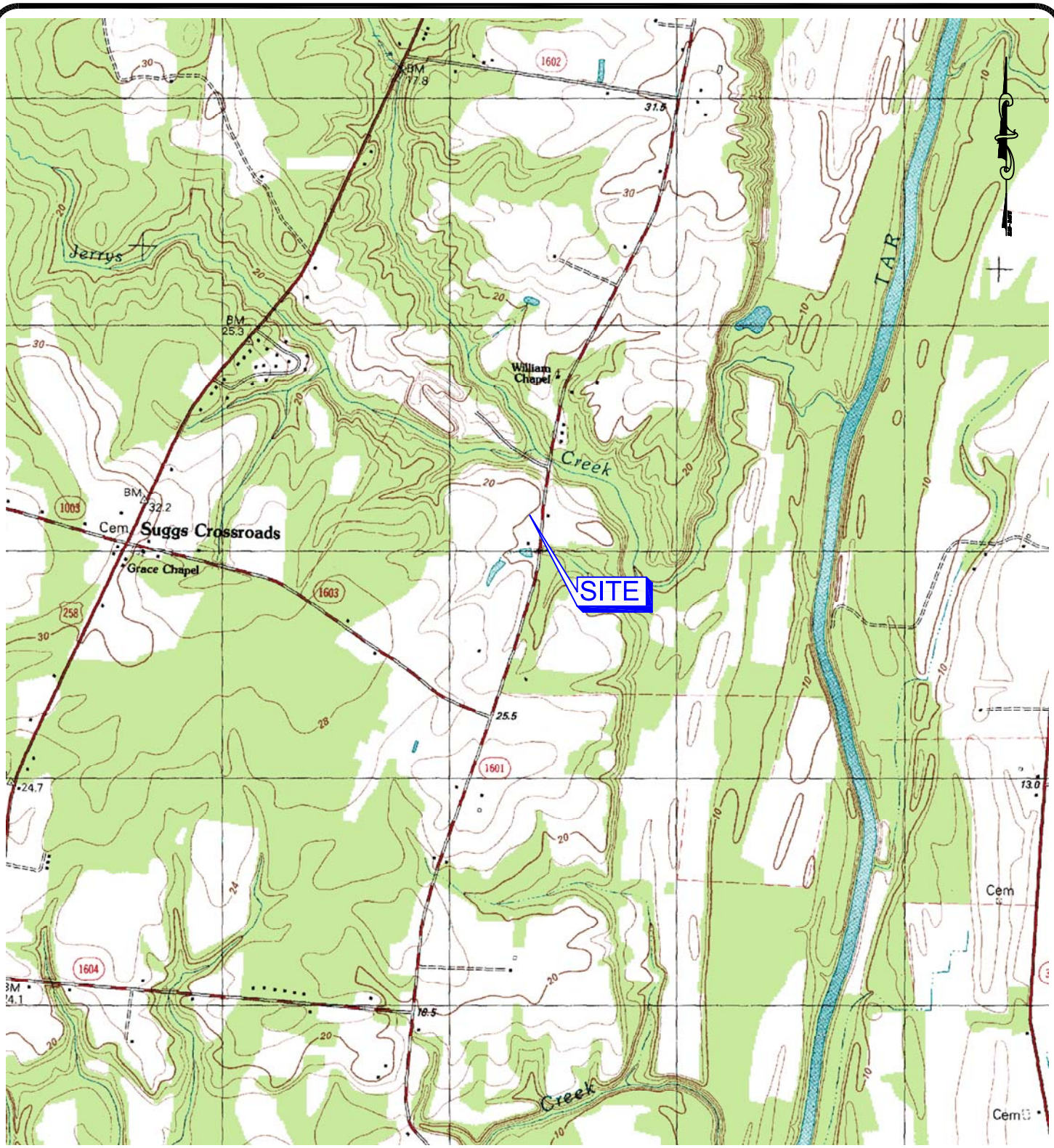
Pankow, James F. and Cherry, John A., *Dense Chlorinated Solvents and other DNAPLs in Groundwater*, p. 267-284, 1996.

S&ME, Inc., *Water Quality Monitoring Plan, Edgecombe County Landfill, Tarboro, North Carolina,* May 10, 1994

S&ME, Inc, *Revision to the Sampling and Analysis Plan (SAP) Edgecombe County Landfill*, November 9, 1998

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

FIGURES



2000 0 2000

GRAPHIC SCALE IN FEET

OLD SPARTA, NC USGS QUADRANGLE DATED 1981

SCALE:	AS SHOWN
DATE:	June 2007
DRAWN BY:	JCJ
PROJECT NO:	1054-07-238

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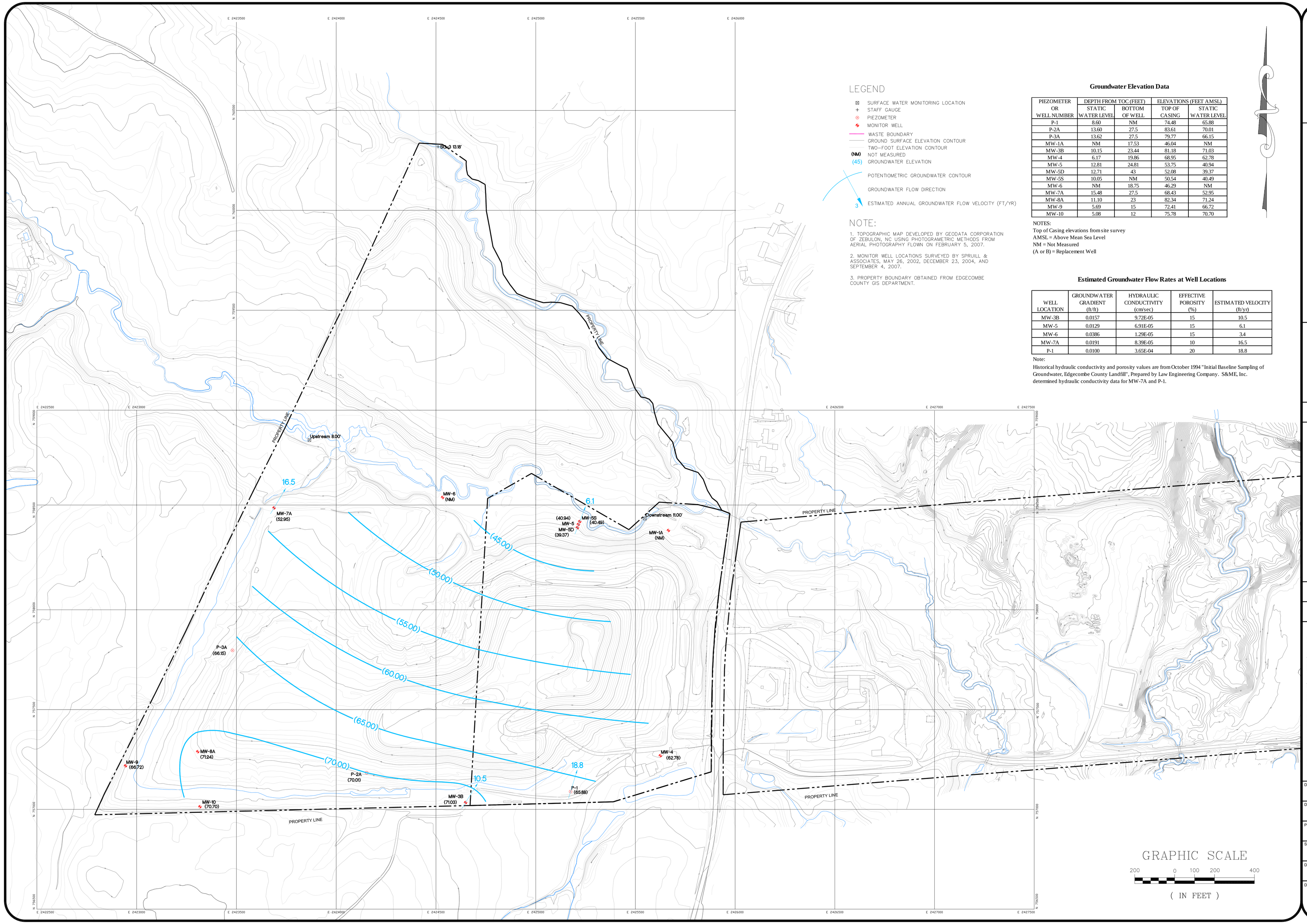
VICINITY MAP

EDGECOMBE COUNTY LANDFILL
TARBORO, NORTH CAROLINA

FIGURE NO.
1



LEGEND

- SURFACE WATER MONITORING LOCATION
- STAFF GAUGE
- PIEZOMETER
- MONITOR WELL
- WASTE BOUNDARY
- GROUND SURFACE ELEVATION CONTOUR
- TWO-FOOT ELEVATION CONTOUR
- (NM) NOT MEASURED
- (45) GROUNDWATER ELEVATION
- POTENTIOMETRIC GROUNDWATER CONTOUR
- GROUNDWATER FLOW DIRECTION
- 3 ESTIMATED ANNUAL GROUNDWATER FLOW VELOCITY (FT/YR)

NOTE:

1. TOPOGRAPHIC MAP DEVELOPED BY GEODATA CORPORATION OF ZEBULON, NC USING PHOTOGRAMETRIC METHODS FROM AERIAL PHOTOGRAPHY FLOWN ON FEBRUARY 5, 2007.
2. MONITOR WELL LOCATIONS SURVEYED BY SPRUILL & ASSOCIATES, MAY 26, 2002, DECEMBER 23, 2004, AND SEPTEMBER 4, 2007.
3. PROPERTY BOUNDARY OBTAINED FROM EDGECOMBE COUNTY GIS DEPARTMENT.

Groundwater Elevation Data

PIEZOMETER OR WELL NUMBER	DEPTH FROM TOC (FEET)		ELEVATIONS (FEET AMSL)	
	STATIC WATER LEVEL	BOTTOM OF WELL	TOP OF CASING	STATIC WATER LEVEL
P-1	8.60	NM	74.48	65.88
P-2A	13.60	27.5	83.61	70.01
P-3A	13.62	27.5	79.77	66.15
MW-1A	NM	17.53	46.04	NM
MW-3B	10.15	23.44	81.18	71.03
MW-4	6.17	19.86	68.95	62.78
MW-5	12.81	24.81	53.75	40.94
MW-5D	12.71	43	52.08	39.37
MW-5S	10.05	NM	50.54	40.49
MW-6	NM	18.75	46.29	NM
MW-7A	15.48	27.5	68.43	52.95
MW-8A	11.10	23	82.34	71.24
MW-9	5.69	15	72.41	66.72
MW-10	5.08	12	75.78	70.70

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

Estimated Groundwater Flow Rates at Well Locations

WELL LOCATION	GROUNDWATER GRADIENT (ft/ft)	HYDRAULIC CONDUCTIVITY (cm/sec)	EFFECTIVE POROSITY (%)	ESTIMATED VELOCITY (ft/yr)
MW-3B	0.0157	9.72E-05	15	10.5
MW-5	0.0129	6.91E-05	15	6.1
MW-6	0.0386	1.29E-05	15	3.4
MW-7A	0.0191	8.39E-05	10	16.5
P-1	0.0100	3.65E-04	20	18.8

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-7A and P-1.

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NO.	DATE	DESCRIPTION	BY

GROUNDWATER POTENTIOMETRIC MAP
JUNE 25-27, 2007
SEMI-ANNUAL GROUNDWATER SAMPLING EVENT

EDGECOMBE COUNTY LANDFILL
TARBORO, NORTH CAROLINA

DRAWN BY:	CHECKED BY:
DESIGNED BY:	APPROVED BY:
PROJECT NUMBER: 1054-07-238	
SCALE: 1" = 200'	DATE: JAN. 2008
DRAWING NUMBER: D-1003	
DRAWING: 2	OF: 2

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TABLES

Table 1
Groundwater Elevation Data, Field Parameters, and
Groundwater Quality Summary
Edgecombe County Landfill
June 25-27, 2007
S&ME Project No. 1054-07-238

Facility Permit	Well ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifier	Dilution Factor	Collection Date	Extraction Date	Analysis Date
33-01	P-1		318	Depth To Water	8.60	ft			6/25/2007		
33-01	P-1		411	Total Well Depth	NM	ft			6/25/2007		
33-01	P-1		328	TOC Elevation	74.48	ft AMSL			6/25/2007		
33-01	P-1		319	Groundwater Elevation	65.88	ft AMSL			6/25/2007		
33-01	P-2A		318	Depth To Water	13.60	ft			6/25/2007		
33-01	P-2A		411	Total Well Depth	27.50	ft			6/25/2007		
33-01	P-2A		328	TOC Elevation	83.61	ft AMSL			6/25/2007		
33-01	P-2A		319	Groundwater Elevation	70.01	ft AMSL			6/25/2007		
33-01	P-3A		318	Depth To Water	13.62	ft			6/25/2007		
33-01	P-3A		411	Total Well Depth	27.50	ft			6/25/2007		
33-01	P-3A		328	TOC Elevation	79.77	ft AMSL			6/25/2007		
33-01	P-3A		319	Groundwater Elevation	66.15	ft AMSL			6/25/2007		
33-01	MW-1A		318	Depth To Water	NM	ft			6/25/2007		
33-01	MW-1A		411	Total Well Depth	17.53	ft			6/25/2007		
33-01	MW-1A		328	TOC Elevation	46.04	ft AMSL			6/25/2007		
33-01	MW-1A		319	Groundwater Elevation	NM	ft AMSL			6/25/2007		
33-01	MW-1A		320	pH	4.99	standard units			6/27/2007		
33-01	MW-1A		323	Specific Conductivity	0.486	mS/cm			6/27/2007		
33-01	MW-1A		325	Temperature	19.28	ºC			6/27/2007		
33-01	MW-1A		330	Turbidity	13.90	NTUs			6/27/2007		
33-01	MW-1A	630-20-6	190	1,1,1,2-Tetrachloroethane	0.277	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-1A	71-55-6	200	1,1,1-Trichloroethane	0.256	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-1A	79-34-5	191	1,1,2,2-Tetrachloroethane	0.329	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-1A	79-00-5	202	1,1,2-Trichloroethane	0.279	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-1A	75-34-3	75	1,1-Dichloroethane	1.04	ug/L	J	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-1A	75-35-4	77	1,1-Dichloroethene	0.185	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-1A	563-58-6	85	1,1-Dichloropropene	0.231	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-1A	96-18-4	206	1,2,3-Trichloropropane	1.48	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-1A	96-12-8	67	1,2-Dibromo-3-chloropropane	4.3	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-1A	106-93-4	68	1,2-Dibromoethane	0.252	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-1A	95-50-1	69	1,2-Dichlorobenzene	0.374	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-1A	107-06-2	76	1,2-Dichloroethane	0.21	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-1A	78-87-5	82	1,2-Dichloropropane	0.212	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-1A	541-73-1	70	1,3-Dichlorobenzene	0.364	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-1A	106-46-7	71	1,4-Dichlorobenzene	0.72	ug/L	J	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-1A	78-93-3	141	2-butanone	1.53	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-1A	591-78-6	124	2-hexanone	1.19	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-1A	108-10-1	147	4-methyl-2-pentanone	1.38	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-1A	67-64-1	3	Acetone	1.09	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-1A	107-13-1	8	Acrylonitrile	0.213	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-1A		337	Alkalinity	150	mg/L		1	6/27/2007		7/5/2007
33-01	MW-1A			Ammonia	0.2	mg/L		1	6/27/2007		7/9/2007
33-01	MW-1A	7440-36-0	13	Antimony	0.00562	mg/L	U	1	6/27/2007	7/2/2007	7/12/2007
33-01	MW-1A	7440-38-2	14	Arsenic	0.00185	mg/L	U B	1	6/27/2007	7/2/2007	7/12/2007
33-01	MW-1A	7440-39-3	15	Barium	0.141	mg/L		1	6/27/2007	7/2/2007	7/12/2007
33-01	MW-1A	71-43-2	16	Benzene	0.49	ug/L	J	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-1A	7440-41-7	23	Beryllium	0.00247	mg/L	U B	10	6/27/2007	7/2/2007	7/3/2007
33-01	MW-1A		316	BOD	6	mg/L	UU	1	6/27/2007		7/3/2007
33-01	MW-1A	74-97-5	28	Bromochloromethane	0.209	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-1A	75-27-4	29	Bromodichloromethane	0.196	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-1A	75-25-2	30	Bromoform	0.199	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-1A	74-83-9	136	Bromomethane	0.392	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-1A	7440-43-9	34	Cadmium	0.00033	mg/L	U	10	6/27/2007	7/2/2007	7/3/2007
33-01	MW-1A	7440-70-2	375	Calcium	89.9	mg/L	B	100	6/27/2007	7/2/2007	7/13/2007
33-01	MW-1A	75-15-0	35	Carbon disulfide	0.2	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-1A	56-23-5	36	Carbon tetrachloride	0.277	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-1A		301	Chloride	52	mg/L		1	6/27/2007		7/5/2007
33-01	MW-1A	108-90-7	39	Chlorobenzene	0.29	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-1A	75-00-3	41	Chloroethane	0.568	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-1A	67-66-3	44	Chloroform	0.204	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-1A	74-87-3	137	Chloromethane	0.271	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-1A	7440-47-3	51	Chromium	0.00115	mg/L	U B	1	6/27/2007	7/2/2007	7/12/2007
33-01	MW-1A	156-59-2	78	cis-1,2-Dichloroethene	4.55	ug/L		1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-1A	10061-01-5	86	cis-1,3-Dichloropropene	0.242	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-1A	7440-48-4	53	Cobalt	0.00556	mg/L	JB	1	6/27/2007	7/2/2007	7/11/2007
33-01	MW-1A		317	COD	19	mg/L		1	6/27/2007		7/2/2007
33-01	MW-1A	7440-50-8	54	Copper	0.00304	mg/L	J	1	6/27/2007	7/2/2007	7/11/2007
33-01	MW-1A	57-12-5	58	Cyanide	5	ug/L	UU	1	6/27/2007		7/10/2007
33-01	MW-1A	124-48-1	66	Dibromochloromethane	0.239	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-1A	74-95-3	139	Dibromomethane	0.312	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-1A	100-41-4	110	Ethylbenzene	0.44	ug/L	J	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-1A	74-88-4	142	Iodomethane	0.156	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-1A	7439-89-6	340	Iron	6.36	mg/L	B	10	6/27/2007	7/2/2007	7/12/2007
33-01	MW-1A	7439-92-1	131	Lead	0.00358	mg/L	U B	1	6/27/2007	7/2/2007	7/12/2007
33-01	MW-1A	7439-95-4	376	Magnesium	14.2	mg/L	B	10	6/27/2007	7/2/2007	7/12/2007
33-01	MW-1A	7439-97-6	132	Mercury	3.70E-05	mg/L	U B	1	6/27/2007	7/3/2007	7/3/2007
33-01	MW-1A	75-09-2	140	Methylene chloride	0.3	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-1A	7440-02-0	152	Nickel	0.022	mg/L	JB	1	6/27/2007	7/2/2007	7/11/2007
33-01	MW-1A	9/7/7440	377	Potassium	11.2	mg/L	B	10	6/27/2007	7/2/2007	7/12/2007
33-01	MW-1A	7782-49-2	183	Selenium	0.00814	mg/L	J	1	6/27/2007	7/2/2007	7/12/2007
33-01	MW-1A	7440-22-4	184	Silver	0.00081	mg/L	U B	1	6/27/2007	7/2/2007	7/12/2007
33-01	MW-1A	7440-23-5	322	Sodium	25.1	mg/L	B	10	6/27/2007	7/2/2007	7/12/2007
33-01	MW-1A	100-42-5	186	Styrene	0.322	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-1A	14808-79-8	315	Sulfate	50	mg/L		1	6/27/2007		7/9/2007
33-01	MW-1A	18496-25-8	187	Sulfide	0.01	mg/L	UU	1	6/27/2007		7/2/2007
33-01	MW-1A	156-60-5	79	t-1,2-dichloroethene	0.204	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-1A	10061-02-6	87	t-1,3-Dichloropropene	0.234	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-1A	110-57-6	73	t-1,4-Dichloro-2-butene	4.25	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-1A		311	TDS	328	mg/L		1	6/27/2007		7/3/2007
33-01	MW-1A	127-18-4	192	Tetrachloroethene	0.226	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-1A	7440-28-0	194	Thallium	0.00521	mg/L	U	1	6/27/2007	7/2/2007	7/12/2007
33-01	MW-1A		328	TOC	4.38	mg/L		1	6/27/2007		7/6/2007
33-01	MW-1A	108-88-3	196	Toluene	0.77	ug/L	J	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-1A	1330-20-7	346	Total Xylene	1.06	ug/L	J	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-1A	79-01-6	201	Trichloroethene	0.209	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-1A	75-69-4	203	Trichlorofluoromethane	0.202	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007

Table 1
Groundwater Elevation Data, Field Parameters, and
Groundwater Quality Summary
Edgecombe County Landfill
June 25-27, 2007
S&ME Project No. 1054-07-238

Facility Permit	Well ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifier	Dilution Factor	Collection Date	Extraction Date	Analysis Date
33-01	MW-1A	7440-62-2	209	Vanadium	0.00622	mg/L	JB	1	6/27/2007	7/2/2007	7/11/2007
33-01	MW-1A	108-05-4	210	Vinyl acetate	1.81	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-1A	75-01-4	211	Vinyl chloride	0.221	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-1A	7440-66-6	213	Zinc	0.0117	mg/L	J	1	6/27/2007	7/2/2007	7/12/2007
33-01	MW-3B		318	Depth To Water	10.15	ft			6/25/2007		
33-01	MW-3B		411	Total Well Depth	23.44	ft			6/25/2007		
33-01	MW-3B		328	TOC Elevation	81.18	ft AMSL			6/25/2007		
33-01	MW-3B		319	Groundwater Elevation	71.03	ft AMSL			6/25/2007		
33-01	MW-3B		320	pH	2.82	standard units			6/27/2007		
33-01	MW-3B		323	Specific Conductivity	0.241	mS/cm			6/27/2007		
33-01	MW-3B		325	Temperature	18.41	ºC			6/27/2007		
33-01	MW-3B		330	Turbidity	14.10	NTUs			6/27/2007		
33-01	MW-3B	630-20-6	190	1,1,1,2-Tetrachloroethane	0.277	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-3B	71-55-6	200	1,1,1-Trichloroethane	0.256	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-3B	79-34-5	191	1,1,2,2-Tetrachloroethane	0.329	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-3B	79-00-5	202	1,1,2-Trichloroethane	0.279	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-3B	75-34-3	75	1,1-Dichloroethane	0.237	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-3B	75-35-4	77	1,1-Dichloroethene	0.185	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-3B	563-58-6	85	1,1-Dichloropropene	0.231	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-3B	96-18-4	206	1,2,3-Trichloropropane	1.48	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-3B	96-12-8	67	1,2-Dibromo-3-chloropropane	4.3	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-3B	106-93-4	68	1,2-Dibromoethane	0.252	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-3B	95-50-1	69	1,2-Dichlorobenzene	0.374	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-3B	107-06-2	76	1,2-Dichloroethane	0.21	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-3B	78-87-5	82	1,2-Dichloropropane	0.212	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-3B	541-73-1	70	1,3-Dichlorobenzene	0.364	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-3B	106-46-7	71	1,4-Dichlorobenzene	0.401	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-3B	78-93-3	141	2-butanone	1.53	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-3B	591-78-6	124	2-hexanone	1.19	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-3B	108-10-1	147	4-methyl-2-pentanone	1.38	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-3B	67-64-1	3	Acetone	1.09	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-3B	107-13-1	8	Acrylonitrile	0.213	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-3B		337	Alkalinity	2	mg/L	UU	1	6/27/2007		7/5/2007
33-01	MW-3B			Ammonia	0.1	mg/L	UU	1	6/27/2007		7/9/2007
33-01	MW-3B	7440-36-0	13	Antimony	0.00562	mg/L	U	1	6/27/2007	7/2/2007	7/12/2007
33-01	MW-3B	7440-38-2	14	Arsenic	0.00185	mg/L	U B	1	6/27/2007	7/2/2007	7/12/2007
33-01	MW-3B	7440-39-3	15	Barium	0.144	mg/L		1	6/27/2007	7/2/2007	7/12/2007
33-01	MW-3B	71-43-2	16	Benzene	0.213	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-3B	7440-41-7	23	Beryllium	0.00247	mg/L	UJB	10	6/27/2007	7/2/2007	7/3/2007
33-01	MW-3B		316	BOD	6	mg/L	UU	1	6/27/2007		7/3/2007
33-01	MW-3B	74-97-5	28	Bromochloromethane	0.209	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-3B	75-27-4	29	Bromodichloromethane	0.196	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-3B	75-25-2	30	Bromoform	0.199	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-3B	74-83-9	136	Bromomethane	0.392	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-3B	7440-43-9	34	Cadmium	0.00033	mg/L	U	10	6/27/2007	7/2/2007	7/3/2007
33-01	MW-3B	7440-70-2	375	Calcium	22.1	mg/L	B	10	6/27/2007	7/2/2007	7/12/2007
33-01	MW-3B	75-15-0	35	Carbon disulfide	0.2	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-3B	56-23-5	36	Carbon tetrachloride	0.277	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-3B		301	Chloride	30	mg/L		1	6/27/2007		7/5/2007
33-01	MW-3B	108-90-7	39	Chlorobenzene	0.29	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-3B	75-00-3	41	Chloroethane	0.568	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-3B	67-66-3	44	Chloroform	0.204	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-3B	74-87-3	137	Chloromethane	0.271	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-3B	7440-47-3	51	Chromium	0.00115	mg/L	U B	1	6/27/2007	7/2/2007	7/12/2007
33-01	MW-3B	156-59-2	78	cis-1,2-Dichloroethene	0.194	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-3B	10061-01-5	86	cis-1,3-Dichloropropene	0.242	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-3B	7440-48-4	53	Cobalt	0.0217	mg/L	B	1	6/27/2007	7/2/2007	7/11/2007
33-01	MW-3B		317	COD	7	mg/L		1	6/27/2007		7/2/2007
33-01	MW-3B	7440-50-8	54	Copper	0.00209	mg/L	J	1	6/27/2007	7/2/2007	7/11/2007
33-01	MW-3B	57-12-5	58	Cyanide	5	ug/L	UU	1	6/27/2007		7/10/2007
33-01	MW-3B	124-48-1	66	Dibromochloromethane	0.239	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-3B	74-95-3	139	Dibromomethane	0.312	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-3B	100-41-4	110	Ethylbenzene	0.44	ug/L	J	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-3B	74-88-4	142	Iodomethane	0.156	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-3B	7439-89-6	340	Iron	1.22	mg/L	B	1	6/27/2007	7/2/2007	7/12/2007
33-01	MW-3B	7439-92-1	131	Lead	0.00358	mg/L	U B	1	6/27/2007	7/2/2007	7/12/2007
33-01	MW-3B	7439-95-4	376	Magnesium	7.92	mg/L	B	10	6/27/2007	7/2/2007	7/12/2007
33-01	MW-3B	7439-97-6	132	Mercury	0.000072	mg/L	JB	1	6/27/2007	7/3/2007	7/3/2007
33-01	MW-3B	75-09-2	140	Methylene chloride	0.3	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-3B	7440-02-0	152	Nickel	0.0234	mg/L	JB	1	6/27/2007	7/2/2007	7/11/2007
33-01	MW-3B	9/7/7440	377	Potassium	7.48	mg/L	B	10	6/27/2007	7/2/2007	7/12/2007
33-01	MW-3B	7782-49-2	183	Selenium	0.00858	mg/L	J	1	6/27/2007	7/2/2007	7/12/2007
33-01	MW-3B	7440-22-4	184	Silver	0.00081	mg/L	U B	1	6/27/2007	7/2/2007	7/12/2007
33-01	MW-3B	7440-23-5	322	Sodium	4.98	mg/L	B	1	6/27/2007	7/2/2007	7/11/2007
33-01	MW-3B	100-42-5	186	Styrene	0.322	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-3B	14808-79-8	315	Sulfate	61	mg/L		1	6/27/2007		7/9/2007
33-01	MW-3B	18496-25-8	187	Sulfide	0.01	mg/L	UU	1	6/27/2007		7/2/2007
33-01	MW-3B	156-60-5	79	t-1,2-dichloroethene	0.204	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-3B	10061-02-6	87	t-1,3-Dichloropropene	0.234	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-3B	110-57-6	73	t-1,4-Dichloro-2-butene	4.25	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-3B		311	TDS	170	mg/L		1	6/27/2007		7/3/2007
33-01	MW-3B	127-18-4	192	Tetrachloroethene	0.226	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-3B	7440-28-0	194	Thallium	0.00521	mg/L	U	1	6/27/2007	7/2/2007	7/12/2007
33-01	MW-3B		328	TOC	1.67	mg/L		1	6/27/2007		7/6/2007
33-01	MW-3B	108-88-3	196	Toluene	0.98	ug/L	J	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-3B	1330-20-7	346	Total Xylene	1.05	ug/L	J	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-3B	79-01-6	201	Trichloroethene	0.209	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-3B	75-69-4	203	Trichlorofluoromethane	0.202	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-3B	7440-62-2	209	Vanadium	0.0089	mg/L	JB	1	6/27/2007	7/2/2007	7/11/2007
33-01	MW-3B	108-05-4	210	Vinyl acetate	1.81	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-3B	75-01-4	211	Vinyl chloride	0.221	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-3B	7440-66-6	213	Zinc	0.0233	mg/L		1	6/27/2007	7/2/2007	7/12/2007
33-01	MW-4		318	Depth To Water	6.17	ft			6/25/2007		
33-01	MW-4		411	Total Well Depth	19.86	ft			6/25/2007		
33-01	MW-4		328	TOC Elevation	68.95	ft AMSL			6/25/2007		
33-01	MW-4		319	Groundwater Elevation	62.78	ft AMSL			6/25/2007		

Table 1
Groundwater Elevation Data, Field Parameters, and
Groundwater Quality Summary
Edgecombe County Landfill
June 25-27, 2007
S&ME Project No. 1054-07-238

Facility Permit	Well ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifier	Dilution Factor	Collection Date	Extraction Date	Analysis Date
33-01	MW-4		320	pH	4.44	standard units			6/27/2007		
33-01	MW-4		323	Specific Conductivity	0.058	mS/cm			6/27/2007		
33-01	MW-4		325	Temperature	22.18	ºC			6/27/2007		
33-01	MW-4		330	Turbidity	12.10	NTUs			6/27/2007		
33-01	MW-4	630-20-6	190	1,1,1,2-Tetrachloroethane	0.277	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-4	71-55-6	200	1,1,1-Trichloroethane	0.256	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-4	79-34-5	191	1,1,2,2-Tetrachloroethane	0.329	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-4	79-00-5	202	1,1,2-Trichloroethane	0.279	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-4	75-34-3	75	1,1-Dichloroethane	0.237	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-4	75-35-4	77	1,1-Dichloroethene	0.185	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-4	563-58-6	85	1,1-Dichloropropene	0.231	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-4	96-18-4	206	1,2,3-Trichloropropane	1.48	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-4	96-12-8	67	1,2-Dibromo-3-chloropropane	4.3	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-4	106-93-4	68	1,2-Dibromoethane	0.252	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-4	95-50-1	69	1,2-Dichlorobenzene	0.374	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-4	107-06-2	76	1,2-Dichloroethane	0.21	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-4	78-87-5	82	1,2-Dichloropropane	0.212	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-4	541-73-1	70	1,3-Dichlorobenzene	0.364	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-4	106-46-7	71	1,4-Dichlorobenzene	0.401	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-4	78-93-3	141	2-butanone	1.53	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-4	591-78-6	124	2-hexanone	1.19	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-4	108-10-1	147	4-methyl-2-pentanone	1.38	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-4	67-64-1	3	Acetone	1.09	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-4	107-13-1	8	Acrylonitrile	0.213	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-4		337	Alkalinity	2	mg/L		1	6/27/2007		7/5/2007
33-01	MW-4			Ammonia	0.1	mg/L	UU	1	6/27/2007		7/9/2007
33-01	MW-4	7440-36-0	13	Antimony	0.00562	mg/L	U	1	6/27/2007	7/2/2007	7/12/2007
33-01	MW-4	7440-38-2	14	Arsenic	0.00185	mg/L	U B	1	6/27/2007	7/2/2007	7/12/2007
33-01	MW-4	7440-39-3	15	Barium	0.0608	mg/L	J	1	6/27/2007	7/2/2007	7/12/2007
33-01	MW-4	71-43-2	16	Benzene	0.213	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-4	7440-41-7	23	Beryllium	0.00247	mg/L	U B	10	6/27/2007	7/2/2007	7/3/2007
33-01	MW-4		316	BOD	6	mg/L	UU	1	6/27/2007		7/3/2007
33-01	MW-4	74-97-5	28	Bromochloromethane	0.209	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-4	75-27-4	29	Bromodichloromethane	0.196	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-4	75-25-2	30	Bromoform	0.199	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-4	74-83-9	136	Bromomethane	0.392	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-4	7440-43-9	34	Cadmium	0.00033	mg/L	U	10	6/27/2007	7/2/2007	7/3/2007
33-01	MW-4	7440-70-2	375	Calcium	3.85	mg/L	B	1	6/27/2007	7/2/2007	7/12/2007
33-01	MW-4	75-15-0	35	Carbon disulfide	0.2	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-4	56-23-5	36	Carbon tetrachloride	0.277	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-4		301	Chloride	7	mg/L		1	6/27/2007		7/5/2007
33-01	MW-4	108-90-7	39	Chlorobenzene	0.29	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-4	75-00-3	41	Chloroethane	0.568	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-4	67-66-3	44	Chloroform	0.204	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-4	74-87-3	137	Chloromethane	0.271	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-4	7440-47-3	51	Chromium	0.00117	mg/L	JB	1	6/27/2007	7/2/2007	7/12/2007
33-01	MW-4	156-59-2	78	cis-1,2-Dichloroethene	0.194	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-4	10061-01-5	86	cis-1,3-Dichloropropene	0.242	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-4	7440-48-4	53	Cobalt	0.00397	mg/L	JB	1	6/27/2007	7/2/2007	7/11/2007
33-01	MW-4		317	COD	5	mg/L		1	6/27/2007		7/2/2007
33-01	MW-4	7440-50-8	54	Copper	0.00277	mg/L	J	1	6/27/2007	7/2/2007	7/11/2007
33-01	MW-4	57-12-5	58	Cyanide	5	ug/L	UU	1	6/27/2007		7/10/2007
33-01	MW-4	124-48-1	66	Dibromochloromethane	0.239	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-4	74-95-3	139	Dibromomethane	0.312	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-4	100-41-4	110	Ethylbenzene	0.28	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-4	74-88-4	142	Iodomethane	0.156	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-4	7439-89-6	340	Iron	0.676	mg/L	B	1	6/27/2007	7/2/2007	7/12/2007
33-01	MW-4	7439-92-1	131	Lead	0.00358	mg/L	U B	1	6/27/2007	7/2/2007	7/12/2007
33-01	MW-4	7439-95-4	376	Magnesium	1.05	mg/L	B	1	6/27/2007	7/2/2007	7/12/2007
33-01	MW-4	7439-97-6	132	Mercury	0.000067	mg/L	JB	1	6/27/2007	7/3/2007	7/3/2007
33-01	MW-4	75-09-2	140	Methylene chloride	0.3	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-4	7440-02-0	152	Nickel	0.00474	mg/L	U B	1	6/27/2007	7/2/2007	7/11/2007
33-01	MW-4	9/7/7440	377	Potassium	2.13	mg/L	B	1	6/27/2007	7/2/2007	7/11/2007
33-01	MW-4	7782-49-2	183	Selenium	0.0093	mg/L	J	1	6/27/2007	7/2/2007	7/12/2007
33-01	MW-4	7440-22-4	184	Silver	0.00081	mg/L	U B	1	6/27/2007	7/2/2007	7/12/2007
33-01	MW-4	7440-23-5	322	Sodium	4.29	mg/L	B	1	6/27/2007	7/2/2007	7/11/2007
33-01	MW-4	100-42-5	186	Styrene	0.322	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-4	14808-79-8	315	Sulfate	5	mg/L		1	6/27/2007		7/9/2007
33-01	MW-4	18496-25-8	187	Sulfide	0.01	mg/L	UU	1	6/27/2007		7/2/2007
33-01	MW-4	156-60-5	79	t-1,2-dichloroethene	0.204	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-4	10061-02-6	87	t-1,3-Dichloropropene	0.234	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-4	110-57-6	73	t-1,4-Dichloro-2-butene	4.25	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-4		311	TDS	54	mg/L		1	6/27/2007		7/3/2007
33-01	MW-4	127-18-4	192	Tetrachloroethene	0.226	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-4	7440-28-0	194	Thallium	0.00521	mg/L	U	1	6/27/2007	7/2/2007	7/12/2007
33-01	MW-4		328	TOC	1.73	mg/L		1	6/27/2007		7/6/2007
33-01	MW-4	108-88-3	196	Toluene	0.56	ug/L	J	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-4	1330-20-7	346	Total Xylene	0.82	ug/L	J	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-4	79-01-6	201	Trichloroethene	0.209	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-4	75-69-4	203	Trichlorofluoromethane	0.202	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-4	7440-62-2	209	Vanadium	0.00777	mg/L	JB	1	6/27/2007	7/2/2007	7/11/2007
33-01	MW-4	108-05-4	210	Vinyl acetate	1.81	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-4	75-01-4	211	Vinyl chloride	0.221	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-4	7440-66-6	213	Zinc	0.00844	mg/L	J	1	6/27/2007	7/2/2007	7/12/2007
33-01	MW-5		318	Depth To Water	12.81	ft			6/25/2007		
33-01	MW-5		411	Total Well Depth	24.81	ft			6/25/2007		
33-01	MW-5		328	TOC Elevation	53.75	ft AMSL			6/25/2007		
33-01	MW-5		319	Groundwater Elevation	40.94	ft AMSL			6/25/2007		
33-01	MW-5		320	pH	5.77	standard units			6/26/2007		
33-01	MW-5		323	Specific Conductivity	0.900	mS/cm			6/26/2007		
33-01	MW-5		325	Temperature	17.66	ºC			6/26/2007		
33-01	MW-5		330	Turbidity	0.80	NTUs			6/26/2007		
33-01	MW-5	630-20-6	190	1,1,1,2-Tetrachloroethane	11.1	ug/L	U	40	6/26/2007	7/5/2007	7/5/2007
33-01	MW-5	71-55-6	200	1,1,1-Trichloroethane	10.2	ug/L	U	40	6/26/2007	7/5/2007	7/5/2007
33-01	MW-5	79-34-5	191	1,1,2,2-Tetrachloroethane	13.2	ug/L	U	40	6/26/2007	7/5/2007	7/5/2007
33-01	MW-5	79-00-5	202	1,1,2-Trichloroethane	11.2	ug/L	U	40	6/26/2007	7/5/2007	7/5/2007

Table 1
Groundwater Elevation Data, Field Parameters, and
Groundwater Quality Summary
Edgecombe County Landfill
June 25-27, 2007
S&ME Project No. 1054-07-238

Facility Permit	Well ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifier	Dilution Factor	Collection Date	Extraction Date	Analysis Date
33-01	MW-5	75-34-3	75	1,1-Dichloroethane	18.4	ug/L	J	40	6/26/2007	7/5/2007	7/5/2007
33-01	MW-5	75-35-4	77	1,1-Dichloroethene	7.4	ug/L	U	40	6/26/2007	7/5/2007	7/5/2007
33-01	MW-5	563-58-6	85	1,1-Dichloropropene	9.24	ug/L	U	40	6/26/2007	7/5/2007	7/5/2007
33-01	MW-5	96-18-4	206	1,2,3-Trichloropropane	59.2	ug/L	U	40	6/26/2007	7/5/2007	7/5/2007
33-01	MW-5	96-12-8	67	1,2-Dibromo-3-chloropropane	172	ug/L	U	40	6/26/2007	7/5/2007	7/5/2007
33-01	MW-5	106-93-4	68	1,2-Dibromoethane	10.1	ug/L	U	40	6/26/2007	7/5/2007	7/5/2007
33-01	MW-5	95-50-1	69	1,2-Dichlorobenzene	15	ug/L	U	40	6/26/2007	7/5/2007	7/5/2007
33-01	MW-5	107-06-2	76	1,2-Dichloroethane	8.4	ug/L	U	40	6/26/2007	7/5/2007	7/5/2007
33-01	MW-5	78-87-5	82	1,2-Dichloropropane	8.48	ug/L	U	40	6/26/2007	7/5/2007	7/5/2007
33-01	MW-5	541-73-1	70	1,3-Dichlorobenzene	14.6	ug/L	U	40	6/26/2007	7/5/2007	7/5/2007
33-01	MW-5	106-46-7	71	1,4-Dichlorobenzene	16	ug/L	U	40	6/26/2007	7/5/2007	7/5/2007
33-01	MW-5	78-93-3	141	2-butanone	61.2	ug/L	U	40	6/26/2007	7/5/2007	7/5/2007
33-01	MW-5	591-78-6	124	2-hexanone	47.6	ug/L	U	40	6/26/2007	7/5/2007	7/5/2007
33-01	MW-5	108-10-1	147	4-methyl-2-pentanone	55.2	ug/L	U	40	6/26/2007	7/5/2007	7/5/2007
33-01	MW-5	67-64-1	3	Acetone	43.6	ug/L	U	40	6/26/2007	7/5/2007	7/5/2007
33-01	MW-5	107-13-1	8	Acrylonitrile	8.52	ug/L	U	40	6/26/2007	7/5/2007	7/5/2007
33-01	MW-5		337	Alkalinity	436	mg/L		1	6/26/2007		7/5/2007
33-01	MW-5			Ammonia	0.1	mg/L	UU	1	6/26/2007		7/9/2007
33-01	MW-5	7440-36-0	13	Antimony	0.00562	mg/L	U	1	6/26/2007	7/2/2007	7/12/2007
33-01	MW-5	7440-38-2	14	Arsenic	0.0241	mg/L	B	1	6/26/2007	7/2/2007	7/12/2007
33-01	MW-5	7440-39-3	15	Barium	0.204	mg/L		1	6/26/2007	7/2/2007	7/12/2007
33-01	MW-5	71-43-2	16	Benzene	8.52	ug/L	U	40	6/26/2007	7/5/2007	7/5/2007
33-01	MW-5	7440-41-7	23	Beryllium	0.00247	mg/L	U B	10	6/26/2007	7/2/2007	7/3/2007
33-01	MW-5		316	BOD	6	mg/L	UU	1	6/26/2007		7/3/2007
33-01	MW-5	74-97-5	28	Bromochloromethane	8.36	ug/L	U	40	6/26/2007	7/5/2007	7/5/2007
33-01	MW-5	75-27-4	29	Bromodichloromethane	7.84	ug/L	U	40	6/26/2007	7/5/2007	7/5/2007
33-01	MW-5	75-25-2	30	Bromoform	7.96	ug/L	U	40	6/26/2007	7/5/2007	7/5/2007
33-01	MW-5	74-83-9	136	Bromomethane	15.7	ug/L	U	40	6/26/2007	7/5/2007	7/5/2007
33-01	MW-5	7440-43-9	34	Cadmium	0.00033	mg/L	U	10	6/26/2007	7/2/2007	7/3/2007
33-01	MW-5	7440-70-2	375	Calcium	142	mg/L	B	100	6/26/2007	7/2/2007	7/12/2007
33-01	MW-5	75-15-0	35	Carbon disulfide	8	ug/L	U	40	6/26/2007	7/5/2007	7/5/2007
33-01	MW-5	56-23-5	36	Carbon tetrachloride	11.1	ug/L	U	40	6/26/2007	7/5/2007	7/5/2007
33-01	MW-5		301	Chloride	13	mg/L		1	6/26/2007		7/5/2007
33-01	MW-5	108-90-7	39	Chlorobenzene	14.4	ug/L	J	40	6/26/2007	7/5/2007	7/5/2007
33-01	MW-5	75-00-3	41	Chloroethane	22.7	ug/L	U	40	6/26/2007	7/5/2007	7/5/2007
33-01	MW-5	67-66-3	44	Chloroform	8.16	ug/L	U	40	6/26/2007	7/5/2007	7/5/2007
33-01	MW-5	74-87-3	137	Chloromethane	10.8	ug/L	U	40	6/26/2007	7/5/2007	7/5/2007
33-01	MW-5	7440-47-3	51	Chromium	0.0112	mg/L	B	1	6/26/2007	7/2/2007	7/12/2007
33-01	MW-5	156-59-2	78	cis-1,2-Dichloroethene	784	ug/L		40	6/26/2007	7/5/2007	7/5/2007
33-01	MW-5	10061-01-5	86	cis-1,3-Dichloropropene	9.68	ug/L	U	40	6/26/2007	7/5/2007	7/5/2007
33-01	MW-5	7440-48-4	53	Cobalt	0.131	mg/L	B	1	6/26/2007	7/2/2007	7/11/2007
33-01	MW-5		317	COD	32	mg/L		1	6/26/2007		7/2/2007
33-01	MW-5	7440-50-8	54	Copper	0.00331	mg/L	J	1	6/26/2007	7/2/2007	7/11/2007
33-01	MW-5	57-12-5	58	Cyanide	5	ug/L	UU	1	6/26/2007		7/10/2007
33-01	MW-5	124-48-1	66	Dibromochloromethane	9.56	ug/L	U	40	6/26/2007	7/5/2007	7/5/2007
33-01	MW-5	74-95-3	139	Dibromomethane	12.5	ug/L	U	40	6/26/2007	7/5/2007	7/5/2007
33-01	MW-5	100-41-4	110	Ethylbenzene	11.2	ug/L	U	40	6/26/2007	7/5/2007	7/5/2007
33-01	MW-5	74-88-4	142	Iodomethane	6.24	ug/L	U	40	6/26/2007	7/5/2007	7/5/2007
33-01	MW-5	7439-89-6	340	Iron	93	mg/L	B	100	6/26/2007	7/2/2007	7/12/2007
33-01	MW-5	7439-92-1	131	Lead	0.0121	mg/L	B	1	6/26/2007	7/2/2007	7/12/2007
33-01	MW-5	7439-95-4	376	Magnesium	15.8	mg/L	B	10	6/26/2007	7/2/2007	7/12/2007
33-01	MW-5	7439-97-6	132	Mercury	3.70E-05	mg/L	U B	1	6/26/2007	7/3/2007	7/3/2007
33-01	MW-5	75-09-2	140	Methylene chloride	53.6	ug/L	J	40	6/26/2007	7/5/2007	7/5/2007
33-01	MW-5	7440-02-0	152	Nickel	0.0403	mg/L	B	1	6/26/2007	7/2/2007	7/11/2007
33-01	MW-5	9/7/7440	377	Potassium	2.52	mg/L	B	1	6/26/2007	7/2/2007	7/11/2007
33-01	MW-5	7782-49-2	183	Selenium	0.0126	mg/L	J	1	6/26/2007	7/2/2007	7/12/2007
33-01	MW-5	7440-22-4	184	Silver	0.00676	mg/L	JB	1	6/26/2007	7/2/2007	7/12/2007
33-01	MW-5	7440-23-5	322	Sodium	8.33	mg/L	B	10	6/26/2007	7/2/2007	7/12/2007
33-01	MW-5	100-42-5	186	Styrene	12.9	ug/L	U	40	6/26/2007	7/5/2007	7/5/2007
33-01	MW-5	14808-79-8	315	Sulfate	37	mg/L		1	6/26/2007		7/9/2007
33-01	MW-5	18496-25-8	187	Sulfide	0.01	mg/L	UU	1	6/26/2007		7/2/2007
33-01	MW-5	156-60-5	79	t-1,2-dichloroethene	8.16	ug/L	U	40	6/26/2007	7/5/2007	7/5/2007
33-01	MW-5	10061-02-6	87	t-1,3-Dichloropropene	9.36	ug/L	U	40	6/26/2007	7/5/2007	7/5/2007
33-01	MW-5	110-57-6	73	t-1,4-Dichloro-2-butene	170	ug/L	U	40	6/26/2007	7/5/2007	7/5/2007
33-01	MW-5		311	TDS	517	mg/L		1	6/26/2007		7/3/2007
33-01	MW-5	127-18-4	192	Tetrachloroethene	9.04	ug/L	U	40	6/26/2007	7/5/2007	7/5/2007
33-01	MW-5	7440-28-0	194	Thallium	0.00564	mg/L	J	1	6/26/2007	7/2/2007	7/12/2007
33-01	MW-5		328	TOC	4	mg/L		1	6/26/2007		7/6/2007
33-01	MW-5	108-88-3	196	Toluene	8.92	ug/L	U	40	6/26/2007	7/5/2007	7/5/2007
33-01	MW-5	1330-20-7	346	Total Xylene	13.8	ug/L	U	40	6/26/2007	7/5/2007	7/5/2007
33-01	MW-5	79-01-6	201	Trichloroethene	8.36	ug/L	U	40	6/26/2007	7/5/2007	7/5/2007
33-01	MW-5	75-69-4	203	Trichlorofluoromethane	8.08	ug/L	U	40	6/26/2007	7/5/2007	7/5/2007
33-01	MW-5	7440-62-2	209	Vanadium	0.00962	mg/L	JB	1	6/26/2007	7/2/2007	7/11/2007
33-01	MW-5	108-05-4	210	Vinyl acetate	72.4	ug/L	U	40	6/26/2007	7/5/2007	7/5/2007
33-01	MW-5	75-01-4	211	Vinyl chloride	43.6	ug/L	J	40	6/26/2007	7/5/2007	7/5/2007
33-01	MW-5	7440-66-6	213	Zinc	0.0557	mg/L		1	6/26/2007	7/2/2007	7/12/2007
33-01	MW-5D		318	Depth To Water	12.71	ft			6/25/2007		
33-01	MW-5D		411	Total Well Depth	43.00	ft			6/25/2007		
33-01	MW-5D		328	TOC Elevation	52.08	ft AMSL			6/25/2007		
33-01	MW-5D		319	Groundwater Elevation	39.37	ft AMSL			6/25/2007		
33-01	MW-5S		318	Depth To Water	10.05	ft			6/25/2007		
33-01	MW-5S		411	Total Well Depth	NM	ft			6/25/2007		
33-01	MW-5S		328	TOC Elevation	50.54	ft AMSL			6/25/2007		
33-01	MW-5S		319	Groundwater Elevation	40.49	ft AMSL			6/25/2007		
33-01	MW-6		318	Depth To Water	NM	ft.			6/25/2007		
33-01	MW-6		411	Total Well Depth	18.75	ft.			6/25/2007		
33-01	MW-6		328	TOC Elevation	46.29	ft AMSL			6/25/2007		
33-01	MW-6		319	Groundwater Elevation	NM	ft AMSL			6/25/2007		
33-01	MW-6		320	pH	5.97	standard units			6/26/2007		
33-01	MW-6		323	Specific Conductivity	0.723	mS/cm			6/26/2007		
33-01	MW-6		325	Temperature	19.30	ºC			6/26/2007		
33-01	MW-6		330	Turbidity	9.70	NTUs			6/26/2007		
33-01	MW-6	630-20-6	190	1,1,1,2-Tetrachloroethane	0.277	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-6	71-55-6	200	1,1,1-Trichloroethane	0.256	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-6	79-34-5	191	1,1,2,2-Tetrachloroethane	0.329	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-6	79-00-5	202	1,1,2-Trichloroethane	0.279	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007

Table 1
Groundwater Elevation Data, Field Parameters, and
Groundwater Quality Summary
Edgecombe County Landfill
June 25-27, 2007
S&ME Project No. 1054-07-238

Facility Permit	Well ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifier	Dilution Factor	Collection Date	Extraction Date	Analysis Date
33-01	MW-6	75-34-3	75	1,1-Dichloroethane	1.29	ug/L	J	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-6	75-35-4	77	1,1-Dichloroethene	0.185	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-6	563-58-6	85	1,1-Dichloropropene	0.231	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-6	96-18-4	206	1,2,3-Trichloropropane	1.48	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-6	96-12-8	67	1,2-Dibromo-3-chloropropane	4.3	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-6	106-93-4	68	1,2-Dibromoethane	0.252	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-6	95-50-1	69	1,2-Dichlorobenzene	0.374	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-6	107-06-2	76	1,2-Dichloroethane	0.21	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-6	78-87-5	82	1,2-Dichloropropane	0.212	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-6	541-73-1	70	1,3-Dichlorobenzene	0.364	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-6	106-46-7	71	1,4-Dichlorobenzene	0.401	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-6	78-93-3	141	2-butanone	1.53	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-6	591-78-6	124	2-hexanone	1.19	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-6	108-10-1	147	4-methyl-2-pentanone	1.38	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-6	67-64-1	3	Acetone	1.09	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-6	107-13-1	8	Acrylonitrile	0.213	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-6		337	Alkalinity	110	mg/L		1	6/27/2007		7/5/2007
33-01	MW-6			Ammonia	1.4	mg/L		1	6/27/2007		7/9/2007
33-01	MW-6	7440-36-0	13	Antimony	0.00562	mg/L	U	1	6/27/2007	7/2/2007	7/12/2007
33-01	MW-6	7440-38-2	14	Arsenic	0.00185	mg/L	U B	1	6/27/2007	7/2/2007	7/12/2007
33-01	MW-6	7440-39-3	15	Barium	0.137	mg/L		1	6/27/2007	7/2/2007	7/12/2007
33-01	MW-6	71-43-2	16	Benzene	2.11	ug/L		1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-6	7440-41-7	23	Beryllium	0.00247	mg/L	U B	10	6/27/2007	7/2/2007	7/3/2007
33-01	MW-6		316	BOD	6	mg/L	UU	1	6/27/2007		7/3/2007
33-01	MW-6	74-97-5	28	Bromochloromethane	0.209	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-6	75-27-4	29	Bromodichloromethane	0.196	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-6	75-25-2	30	Bromoform	0.199	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-6	74-83-9	136	Bromomethane	0.392	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-6	7440-43-9	34	Cadmium	0.00033	mg/L	U	10	6/27/2007	7/2/2007	7/3/2007
33-01	MW-6	7440-70-2	375	Calcium	42.2	mg/L	B	10	6/27/2007	7/2/2007	7/12/2007
33-01	MW-6	75-15-0	35	Carbon disulfide	0.2	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-6	56-23-5	36	Carbon tetrachloride	0.277	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-6		301	Chloride	10	mg/L		1	6/27/2007		7/5/2007
33-01	MW-6	108-90-7	39	Chlorobenzene	0.29	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-6	75-00-3	41	Chloroethane	0.568	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-6	67-66-3	44	Chloroform	0.204	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-6	74-87-3	137	Chloromethane	0.271	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-6	7440-47-3	51	Chromium	0.00257	mg/L	JB	1	6/27/2007	7/2/2007	7/12/2007
33-01	MW-6	156-59-2	78	cis-1,2-Dichloroethene	1.24	ug/L	J	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-6	10061-01-5	86	cis-1,3-Dichloropropene	0.242	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-6	7440-48-4	53	Cobalt	0.00516	mg/L	JB	1	6/27/2007	7/2/2007	7/11/2007
33-01	MW-6		317	COD	42	mg/L		1	6/27/2007		7/2/2007
33-01	MW-6	7440-50-8	54	Copper	0.00249	mg/L	J	1	6/27/2007	7/2/2007	7/11/2007
33-01	MW-6	57-12-5	58	Cyanide	5	ug/L	UU	1	6/27/2007		7/10/2007
33-01	MW-6	124-48-1	66	Dibromochloromethane	0.239	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-6	74-95-3	139	Dibromomethane	0.312	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-6	100-41-4	110	Ethylbenzene	1.85	ug/L	J	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-6	74-88-4	142	Iodomethane	0.156	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-6	7439-89-6	340	Iron	20.4	mg/L	B	10	6/27/2007	7/2/2007	7/12/2007
33-01	MW-6	7439-92-1	131	Lead	0.00358	mg/L	U B	1	6/27/2007	7/2/2007	7/12/2007
33-01	MW-6	7439-95-4	376	Magnesium	4.26	mg/L	B	1	6/27/2007	7/2/2007	7/12/2007
33-01	MW-6	7439-97-6	132	Mercury	0.00006	mg/L	JB	1	6/27/2007	7/3/2007	7/3/2007
33-01	MW-6	75-09-2	140	Methylene chloride	0.3	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-6	7440-02-0	152	Nickel	0.00474	mg/L	U B	1	6/27/2007	7/2/2007	7/11/2007
33-01	MW-6	9/7/7440	377	Potassium	2.78	mg/L	B	1	6/27/2007	7/2/2007	7/11/2007
33-01	MW-6	7782-49-2	183	Selenium	0.0073	mg/L	U	1	6/27/2007	7/2/2007	7/12/2007
33-01	MW-6	7440-22-4	184	Silver	0.00081	mg/L	U B	1	6/27/2007	7/2/2007	7/12/2007
33-01	MW-6	7440-23-5	322	Sodium	7.84	mg/L	B	10	6/27/2007	7/2/2007	7/12/2007
33-01	MW-6	100-42-5	186	Styrene	0.322	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-6	14808-79-8	315	Sulfate	5	mg/L	UU	1	6/27/2007		7/9/2007
33-01	MW-6	18496-25-8	187	Sulfide	0.01	mg/L	UU	1	6/27/2007		7/2/2007
33-01	MW-6	156-60-5	79	t-1,2-dichloroethene	0.204	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-6	10061-02-6	87	t-1,3-Dichloropropene	0.234	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-6	110-57-6	73	t-1,4-Dichloro-2-butene	4.25	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-6		311	TDS	149	mg/L		1	6/27/2007		7/3/2007
33-01	MW-6	127-18-4	192	Tetrachloroethene	0.226	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-6	7440-28-0	194	Thallium	0.00521	mg/L	U	1	6/27/2007	7/2/2007	7/12/2007
33-01	MW-6		328	TOC	8.83	mg/L		1	6/27/2007		7/6/2007
33-01	MW-6	108-88-3	196	Toluene	11.3	ug/L		1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-6	1330-20-7	346	Total Xylene	8.91	ug/L		1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-6	79-01-6	201	Trichloroethene	0.209	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-6	75-69-4	203	Trichlorofluoromethane	0.202	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-6	7440-62-2	209	Vanadium	0.0108	mg/L	JB	1	6/27/2007	7/2/2007	7/11/2007
33-01	MW-6	108-05-4	210	Vinyl acetate	1.81	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-6	75-01-4	211	Vinyl chloride	0.46	ug/L	J	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-6	7440-66-6	213	Zinc	0.00655	mg/L	J	1	6/27/2007	7/2/2007	7/12/2007
33-01	MW-7A		318	Depth To Water	15.48	ft			6/25/2007		
33-01	MW-7A		411	Total Well Depth	27.50	ft			6/25/2007		
33-01	MW-7A		328	TOC Elevation	68.43	ft AMSL			6/25/2007		
33-01	MW-7A		319	Groundwater Elevation	52.95	ft AMSL			6/25/2007		
33-01	MW-7A		320	pH	5.97	standard units			6/26/2007		
33-01	MW-7A		323	Specific Conductivity	0.723	mS/cm			6/26/2007		
33-01	MW-7A		325	Temperature	19.30	ºC			6/26/2007		
33-01	MW-7A		330	Turbidity	9.70	NTUs			6/26/2007		
33-01	MW-7A	630-20-6	190	1,1,1,2-Tetrachloroethane	0.277	ug/L	U	1	6/26/2007	7/5/2007	7/5/2007
33-01	MW-7A	71-55-6	200	1,1,1-Trichloroethane	0.256	ug/L	U	1	6/26/2007	7/5/2007	7/5/2007
33-01	MW-7A	79-34-5	191	1,1,2,2-Tetrachloroethane	0.329	ug/L	U	1	6/26/2007	7/5/2007	7/5/2007
33-01	MW-7A	79-00-5	202	1,1,2-Trichloroethane	0.279	ug/L	U	1	6/26/2007	7/5/2007	7/5/2007
33-01	MW-7A	75-34-3	75	1,1-Dichloroethane	0.237	ug/L	U	1	6/26/2007	7/5/2007	7/5/2007
33-01	MW-7A	75-35-4	77	1,1-Dichloroethene	0.185	ug/L	U	1	6/26/2007	7/5/2007	7/5/2007
33-01	MW-7A	563-58-6	85	1,1-Dichloropropene	0.231	ug/L	U	1	6/26/2007	7/5/2007	7/5/2007
33-01	MW-7A	96-18-4	206	1,2,3-Trichloropropane	1.48	ug/L	U	1	6/26/2007	7/5/2007	7/5/2007
33-01	MW-7A	96-12-8	67	1,2-Dibromo-3-chloropropane	4.3	ug/L	U	1	6/26/2007	7/5/2007	7/5/2007
33-01	MW-7A	106-93-4	68	1,2-Dibromoethane	0.252	ug/L	U	1	6/26/2007	7/5/2007	7/5/2007
33-01	MW-7A	95-50-1	69	1,2-Dichlorobenzene	0.374	ug/L	U	1	6/26/2007	7/5/2007	7/5/2007
33-01	MW-7A	107-06-2	76	1,2-Dichloroethane	0.21	ug/L	U	1	6/26/2007	7/5/2007	7/5/2007

Table 1
Groundwater Elevation Data, Field Parameters, and
Groundwater Quality Summary
Edgecombe County Landfill
June 25-27, 2007
S&ME Project No. 1054-07-238

Facility Permit	Well ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifier	Dilution Factor	Collection Date	Extraction Date	Analysis Date
33-01	MW-7A	78-87-5	82	1,2-Dichloropropane	0.212	ug/L	U	1	6/26/2007	7/5/2007	7/5/2007
33-01	MW-7A	541-73-1	70	1,3-Dichlorobenzene	0.364	ug/L	U	1	6/26/2007	7/5/2007	7/5/2007
33-01	MW-7A	106-46-7	71	1,4-Dichlorobenzene	0.56	ug/L	J	1	6/26/2007	7/5/2007	7/5/2007
33-01	MW-7A	78-93-3	141	2-butanone	1.53	ug/L	U	1	6/26/2007	7/5/2007	7/5/2007
33-01	MW-7A	591-78-6	124	2-hexanone	1.19	ug/L	U	1	6/26/2007	7/5/2007	7/5/2007
33-01	MW-7A	108-10-1	147	4-methyl-2-pentanone	1.38	ug/L	U	1	6/26/2007	7/5/2007	7/5/2007
33-01	MW-7A	67-64-1	3	Acetone	1.09	ug/L	U	1	6/26/2007	7/5/2007	7/5/2007
33-01	MW-7A	107-13-1	8	Acrylonitrile	0.213	ug/L	U	1	6/26/2007	7/5/2007	7/5/2007
33-01	MW-7A		337	Alkalinity	348	mg/L		1	6/26/2007		7/5/2007
33-01	MW-7A			Ammonia	0.2	mg/L		1	6/26/2007		7/9/2007
33-01	MW-7A	7440-36-0	13	Antimony	0.00562	mg/L	U	1	6/26/2007	7/2/2007	7/12/2007
33-01	MW-7A	7440-38-2	14	Arsenic	0.00889	mg/L	JB	1	6/26/2007	7/2/2007	7/12/2007
33-01	MW-7A	7440-39-3	15	Barium	0.152	mg/L		1	6/26/2007	7/2/2007	7/12/2007
33-01	MW-7A	71-43-2	16	Benzene	1.06	ug/L		1	6/26/2007	7/5/2007	7/5/2007
33-01	MW-7A	7440-41-7	23	Beryllium	0.00247	mg/L	U B	10	6/26/2007	7/2/2007	7/3/2007
33-01	MW-7A		316	BOD	6	mg/L	UU	1	6/26/2007		7/3/2007
33-01	MW-7A	74-97-5	28	Bromochloromethane	0.209	ug/L	U	1	6/26/2007	7/5/2007	7/5/2007
33-01	MW-7A	75-27-4	29	Bromodichloromethane	0.196	ug/L	U	1	6/26/2007	7/5/2007	7/5/2007
33-01	MW-7A	75-25-2	30	Bromoform	0.199	ug/L	U	1	6/26/2007	7/5/2007	7/5/2007
33-01	MW-7A	74-83-9	136	Bromomethane	0.392	ug/L	U	1	6/26/2007	7/5/2007	7/5/2007
33-01	MW-7A	7440-43-9	34	Cadmium	0.00033	mg/L	U	10	6/26/2007	7/2/2007	7/3/2007
33-01	MW-7A	7440-70-2	375	Calcium	136	mg/L	B	100	6/26/2007	7/2/2007	7/12/2007
33-01	MW-7A	75-15-0	35	Carbon disulfide	0.2	ug/L	U	1	6/26/2007	7/5/2007	7/5/2007
33-01	MW-7A	56-23-5	36	Carbon tetrachloride	0.277	ug/L	U	1	6/26/2007	7/5/2007	7/5/2007
33-01	MW-7A		301	Chloride	10	mg/L		1	6/26/2007		7/5/2007
33-01	MW-7A	108-90-7	39	Chlorobenzene	1.3	ug/L	J	1	6/26/2007	7/5/2007	7/5/2007
33-01	MW-7A	75-00-3	41	Chloroethane	1.83	ug/L	J	1	6/26/2007	7/5/2007	7/5/2007
33-01	MW-7A	67-66-3	44	Chloroform	0.204	ug/L	U	1	6/26/2007	7/5/2007	7/5/2007
33-01	MW-7A	74-87-3	137	Chloromethane	0.271	ug/L	U	1	6/26/2007	7/5/2007	7/5/2007
33-01	MW-7A	7440-47-3	51	Chromium	0.00197	mg/L	JB	1	6/26/2007	7/2/2007	7/12/2007
33-01	MW-7A	156-59-2	78	cis-1,2-Dichloroethene	0.194	ug/L	U	1	6/26/2007	7/5/2007	7/5/2007
33-01	MW-7A	10061-01-5	86	cis-1,3-Dichloropropene	0.242	ug/L	U	1	6/26/2007	7/5/2007	7/5/2007
33-01	MW-7A	7440-48-4	53	Cobalt	0.00411	mg/L	JB	1	6/26/2007	7/2/2007	7/11/2007
33-01	MW-7A		317	COD	17	mg/L		1	6/26/2007		7/2/2007
33-01	MW-7A	7440-50-8	54	Copper	0.00339	mg/L	J	1	6/26/2007	7/2/2007	7/11/2007
33-01	MW-7A	57-12-5	58	Cyanide	5	ug/L	UU	1	6/26/2007		7/10/2007
33-01	MW-7A	124-48-1	66	Dibromochloromethane	0.239	ug/L	U	1	6/26/2007	7/5/2007	7/5/2007
33-01	MW-7A	74-95-3	139	Dibromomethane	0.312	ug/L	U	1	6/26/2007	7/5/2007	7/5/2007
33-01	MW-7A	100-41-4	110	Ethylbenzene	0.28	ug/L	U	1	6/26/2007	7/5/2007	7/5/2007
33-01	MW-7A	74-88-4	142	Iodomethane	0.156	ug/L	U	1	6/26/2007	7/5/2007	7/5/2007
33-01	MW-7A	7439-89-6	340	Iron	50.7	mg/L	B	100	6/26/2007	7/2/2007	7/12/2007
33-01	MW-7A	7439-92-1	131	Lead	0.0042	mg/L	JB	1	6/26/2007	7/2/2007	7/12/2007
33-01	MW-7A	7439-95-4	376	Magnesium	10.9	mg/L	B	10	6/26/2007	7/2/2007	7/12/2007
33-01	MW-7A	7439-97-6	132	Mercury	0.000043	mg/L	JB	1	6/26/2007	7/3/2007	7/3/2007
33-01	MW-7A	75-09-2	140	Methylene chloride	0.3	ug/L	U	1	6/26/2007	7/5/2007	7/5/2007
33-01	MW-7A	7440-02-0	152	Nickel	0.00474	mg/L	U B	1	6/26/2007	7/2/2007	7/11/2007
33-01	MW-7A	9/7/7440	377	Potassium	2.13	mg/L	B	1	6/26/2007	7/2/2007	7/11/2007
33-01	MW-7A	7782-49-2	183	Selenium	0.0073	mg/L	U	1	6/26/2007	7/2/2007	7/12/2007
33-01	MW-7A	7440-22-4	184	Silver	0.00081	mg/L	U B	1	6/26/2007	7/2/2007	7/12/2007
33-01	MW-7A	7440-23-5	322	Sodium	12.4	mg/L	B	10	6/26/2007	7/2/2007	7/12/2007
33-01	MW-7A	100-42-5	186	Styrene	0.322	ug/L	U	1	6/26/2007	7/5/2007	7/5/2007
33-01	MW-7A	14808-79-8	315	Sulfate	31	mg/L		1	6/26/2007		7/9/2007
33-01	MW-7A	18496-25-8	187	Sulfide	0.01	mg/L	UU	1	6/26/2007		7/2/2007
33-01	MW-7A	156-60-5	79	t-1,2-dichloroethene	0.204	ug/L	U	1	6/26/2007	7/5/2007	7/5/2007
33-01	MW-7A	10061-02-6	87	t-1,3-Dichloropropene	0.234	ug/L	U	1	6/26/2007	7/5/2007	7/5/2007
33-01	MW-7A	110-57-6	73	t-1,4-Dichloro-2-butene	4.25	ug/L	U	1	6/26/2007	7/5/2007	7/5/2007
33-01	MW-7A		311	TDS	403	mg/L		1	6/26/2007		7/3/2007
33-01	MW-7A	127-18-4	192	Tetrachloroethene	0.226	ug/L	U	1	6/26/2007	7/5/2007	7/5/2007
33-01	MW-7A	7440-28-0	194	Thallium	0.00521	mg/L	U	1	6/26/2007	7/2/2007	7/12/2007
33-01	MW-7A		328	TOC	2.49	mg/L		1	6/26/2007		7/6/2007
33-01	MW-7A	108-88-3	196	Toluene	0.3	ug/L	J	1	6/26/2007	7/5/2007	7/5/2007
33-01	MW-7A	1330-20-7	346	Total Xylene	0.344	ug/L	U	1	6/26/2007	7/5/2007	7/5/2007
33-01	MW-7A	79-01-6	201	Trichloroethene	0.209	ug/L	U	1	6/26/2007	7/5/2007	7/5/2007
33-01	MW-7A	75-69-4	203	Trichlorofluoromethane	0.202	ug/L	U	1	6/26/2007	7/5/2007	7/5/2007
33-01	MW-7A	7440-62-2	209	Vanadium	0.00556	mg/L	JB	1	6/26/2007	7/2/2007	7/11/2007
33-01	MW-7A	108-05-4	210	Vinyl acetate	1.81	ug/L	U	1	6/26/2007	7/5/2007	7/5/2007
33-01	MW-7A	75-01-4	211	Vinyl chloride	0.221	ug/L	U	1	6/26/2007	7/5/2007	7/5/2007
33-01	MW-7A	7440-66-6	213	Zinc	0.00399	mg/L	U	1	6/26/2007	7/2/2007	7/12/2007
33-01	MW-8A		318	Depth To Water	11.10	ft			6/25/2007		
33-01	MW-8A		411	Total Well Depth	23.00	ft			6/25/2007		
33-01	MW-8A		328	TOC Elevation	82.34	ft AMSL			6/25/2007		
33-01	MW-8A		319	Groundwater Elevation	71.24	ft AMSL			6/25/2007		
33-01	MW-9		318	Depth To Water	5.69	ft			6/25/2007		
33-01	MW-9		411	Total Well Depth	15.00	ft			6/25/2007		
33-01	MW-9		328	TOC Elevation	72.41	ft AMSL			6/25/2007		
33-01	MW-9		319	Groundwater Elevation	66.72	ft AMSL			6/25/2007		
33-01	MW-9		320	pH	6.41	standard units			6/27/2007		
33-01	MW-9		323	Specific Conductivity	0.187	mS/cm			6/27/2007		
33-01	MW-9		325	Temperature	20.13	ºC			6/27/2007		
33-01	MW-9		330	Turbidity	6.80	NTUs			6/27/2007		
33-01	MW-9	630-20-6	190	1,1,1,2-Tetrachloroethane	0.277	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-9	71-55-6	200	1,1,1-Trichloroethane	0.256	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-9	79-34-5	191	1,1,2,2-Tetrachloroethane	0.329	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-9	79-00-5	202	1,1,2-Trichloroethane	0.279	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-9	75-34-3	75	1,1-Dichloroethane	0.237	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-9	75-35-4	77	1,1-Dichloroethene	0.185	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-9	563-58-6	85	1,1-Dichloropropene	0.231	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-9	96-18-4	206	1,2,3-Trichloropropane	1.48	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-9	96-12-8	67	1,2-Dibromo-3-chloropropane	4.3	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-9	106-93-4	68	1,2-Dibromoethane	0.252	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-9	95-50-1	69	1,2-Dichlorobenzene	0.374	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-9	107-06-2	76	1,2-Dichloroethane	0.21	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-9	78-87-5	82	1,2-Dichloropropane	0.212	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-9	541-73-1	70	1,3-Dichlorobenzene	0.364	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-9	106-46-7	71	1,4-Dichlorobenzene	0.401	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-9	78-93-3	141	2-butanone	1.53	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007

Table 1
Groundwater Elevation Data, Field Parameters, and
Groundwater Quality Summary
Edgecombe County Landfill
June 25-27, 2007
S&ME Project No. 1054-07-238

Facility Permit	Well ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifier	Dilution Factor	Collection Date	Extraction Date	Analysis Date
33-01	MW-9	591-78-6	124	2-hexanone	1.19	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-9	108-10-1	147	4-methyl-2-pentanone	1.38	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-9	67-64-1	3	Acetone	1.09	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-9	107-13-1	8	Acrylonitrile	0.213	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-9		337	Alkalinity	98	mg/L		1	6/27/2007		7/5/2007
33-01	MW-9			Ammonia	0.1	mg/L	UU	1	6/27/2007		7/9/2007
33-01	MW-9	7440-36-0	13	Antimony	0.00562	mg/L	U	1	6/27/2007	7/2/2007	7/12/2007
33-01	MW-9	7440-38-2	14	Arsenic	0.00185	mg/L	U B	1	6/27/2007	7/2/2007	7/12/2007
33-01	MW-9	7440-39-3	15	Barium	0.175	mg/L		1	6/27/2007	7/2/2007	7/12/2007
33-01	MW-9	71-43-2	16	Benzene	0.213	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-9	7440-41-7	23	Beryllium	0.00247	mg/L	U B	10	6/27/2007	7/2/2007	7/3/2007
33-01	MW-9		316	BOD	6	mg/L	UU	1	6/27/2007		7/3/2007
33-01	MW-9	74-97-5	28	Bromochloromethane	0.209	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-9	75-27-4	29	Bromodichloromethane	0.196	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-9	75-25-2	30	Bromoform	0.199	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-9	74-83-9	136	Bromomethane	0.392	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-9	7440-43-9	34	Cadmium	0.00033	mg/L	U	10	6/27/2007	7/2/2007	7/3/2007
33-01	MW-9	7440-70-2	375	Calcium	33.2	mg/L	B	10	6/27/2007	7/2/2007	7/12/2007
33-01	MW-9	75-15-0	35	Carbon disulfide	0.2	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-9	56-23-5	36	Carbon tetrachloride	0.277	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-9		301	Chloride	9	mg/L		1	6/27/2007		7/5/2007
33-01	MW-9	108-90-7	39	Chlorobenzene	0.29	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-9	75-00-3	41	Chloroethane	0.568	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-9	67-66-3	44	Chloroform	0.204	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-9	74-87-3	137	Chloromethane	0.271	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-9	7440-47-3	51	Chromium	0.00115	mg/L	U B	1	6/27/2007	7/2/2007	7/12/2007
33-01	MW-9	156-59-2	78	cis-1,2-Dichloroethene	0.194	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-9	10061-01-5	86	cis-1,3-Dichloropropene	0.242	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-9	7440-48-4	53	Cobalt	0.00352	mg/L	JB	1	6/27/2007	7/2/2007	7/11/2007
33-01	MW-9		317	COD	11	mg/L		1	6/27/2007		7/2/2007
33-01	MW-9	7440-50-8	54	Copper	0.00214	mg/L	J	1	6/27/2007	7/2/2007	7/11/2007
33-01	MW-9	57-12-5	58	Cyanide	5	ug/L	UU	1	6/27/2007		7/10/2007
33-01	MW-9	124-48-1	66	Dibromochloromethane	0.239	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-9	74-95-3	139	Dibromomethane	0.312	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-9	100-41-4	110	Ethylbenzene	0.28	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-9	74-88-4	142	Iodomethane	0.156	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-9	7439-89-6	340	Iron	10.3	mg/L	B	10	6/27/2007	7/2/2007	7/12/2007
33-01	MW-9	7439-92-1	131	Lead	0.00358	mg/L	U B	1	6/27/2007	7/2/2007	7/12/2007
33-01	MW-9	7439-95-4	376	Magnesium	4.65	mg/L	B	1	6/27/2007	7/2/2007	7/12/2007
33-01	MW-9	7439-97-6	132	Mercury	0.000067	mg/L	JB	1	6/27/2007	7/3/2007	7/3/2007
33-01	MW-9	75-09-2	140	Methylene chloride	0.3	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-9	7440-02-0	152	Nickel	0.00474	mg/L	U B	1	6/27/2007	7/2/2007	7/11/2007
33-01	MW-9	9/7/7440	377	Potassium	2.29	mg/L	B	1	6/27/2007	7/2/2007	7/11/2007
33-01	MW-9	7782-49-2	183	Selenium	0.0073	mg/L	U	1	6/27/2007	7/2/2007	7/12/2007
33-01	MW-9	7440-22-4	184	Silver	0.00081	mg/L	U B	1	6/27/2007	7/2/2007	7/12/2007
33-01	MW-9	7440-23-5	322	Sodium	10.7	mg/L	B	10	6/27/2007	7/2/2007	7/12/2007
33-01	MW-9	100-42-5	186	Styrene	0.322	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-9	14808-79-8	315	Sulfate	5	mg/L	UU	1	6/27/2007		7/9/2007
33-01	MW-9	18496-25-8	187	Sulfide	0.01	mg/L	UU	1	6/27/2007		7/2/2007
33-01	MW-9	156-60-5	79	t-1,2-dichloroethene	0.204	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-9	10061-02-6	87	t-1,3-Dichloropropene	0.234	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-9	110-57-6	73	t-1,4-Dichloro-2-butene	4.25	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-9		311	TDS	154	mg/L		1	6/27/2007		7/3/2007
33-01	MW-9	127-18-4	192	Tetrachloroethene	0.226	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-9	7440-28-0	194	Thallium	0.00521	mg/L	U	1	6/27/2007	7/2/2007	7/12/2007
33-01	MW-9		328	TOC	1.14	mg/L		1	6/27/2007		7/6/2007
33-01	MW-9	108-88-3	196	Toluene	0.39	ug/L	J	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-9	1330-20-7	346	Total Xylene	0.72	ug/L	J	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-9	79-01-6	201	Trichloroethene	0.209	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-9	75-69-4	203	Trichlorofluoromethane	0.202	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-9	7440-62-2	209	Vanadium	0.00571	mg/L	JB	1	6/27/2007	7/2/2007	7/11/2007
33-01	MW-9	108-05-4	210	Vinyl acetate	1.81	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-9	75-01-4	211	Vinyl chloride	0.221	ug/L	U	1	6/27/2007	7/5/2007	7/5/2007
33-01	MW-9	7440-66-6	213	Zinc	0.00399	mg/L	U	1	6/27/2007	7/2/2007	7/12/2007
33-01	MW-10		318	Depth To Water	5.08	ft			6/25/2007		
33-01	MW-10		411	Total Well Depth	12.00	ft			6/25/2007		
33-01	MW-10		328	TOC Elevation	75.78	ft AMSL			6/25/2007		
33-01	MW-10		319	Groundwater Elevation	70.70	ft AMSL			6/25/2007		

NOTES:
U = Compound detected below laboratory method detection limit.
B = Compound also detected in laboratory batch blank.
J = Analyte detected, but below the laboratory reporting limit therefore the result is an estimated concentration.
ft. = feet
NM = Not Measured
TOC = Top of Casing; TOC elevations from site survey.
AMSL = Above Mean Sea Level
(A or B) = Replacement Well
mS/cm = microsiemens/centimeter
ºC = Degrees Celcius
NTUs = Nephelometric Turbidity Units
ug/L = micrograms per liter
mg/L = milligrams per liter
Blank entries indicate not applicable.

Table 2
Estimated Groundwater Flow Rates at Well Locations
Edgecombe County Landfill
June 25-27, 2007 Sampling Event
S&ME Project No. 1054-07-238

WELL LOCATION	GROUNDWATER GRADIENT (ft/ft)	HYDRAULIC CONDUCTIVITY (cm/sec)	EFFECTIVE POROSITY (%)	ESTIMATED VELOCITY (ft/yr)
MW-3B	0.0157	9.72E-05	15	10.5
MW-5	0.0129	6.91E-05	15	6.1
MW-6	0.0386	1.29E-05	15	3.4
MW-7A	0.0191	8.39E-05	10	16.5
P-1	0.0100	3.65E-04	20	18.8

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-7A and P-1.

Table 3
Groundwater Quality Summary
Edgecombe County Landfill
June 25-27, 2007 Sampling Event
S&ME Project No. 1054-07-238

APPENDIX I VOCs		2L	SWSL	BACKGROUND MONITOR WELLS			COMPLIANCE MONITOR WELLS				QUALITY CONTROL	
EPA METHOD 8260	UNITS	STANDARD		MW-3B	MW-4	MW-9	MW-1A	MW-5	MW-6	MW-7A	Duplicate	EQUIP BLANK
ACETONE	µg/L	700	100	<1.09	<1.09	<1.09	<1.09	<43.6	<1.09	<1.09	2.4J	<1.09
BENZENE	µg/L	1	1	<0.213	<0.213	<0.213	0.490J	<8.52	**2.11**	**1.06**	<0.213	<0.213
CHLOROBENZENE	µg/L	50	3	<0.290	<0.290	<0.290	<0.29	14.4J	<0.290	1.30J	<0.290	<0.290
CHLOROETHANE	µg/L	2,800	10	<0.568	<0.568	<0.568	<0.568	<22.7	<0.568	1.83J	<0.568	<0.568
1,4-DICHLOROBENZENE	µg/L	1.4	1	<0.401	<0.401	<0.401	0.720J	<16.0	<0.401	0.560J	<0.401	<0.401
1,1-DICHLOROETHANE	µg/L	70	5	<0.237	<0.237	<0.237	1.04J	18.4J	1.29J	<0.237	<0.237	<0.237
C-1,2 DICHLOROETHENE	µg/L	70	5	<0.194	<0.194	<0.194	4.550	**784**	1.24J	<0.194	<0.194	<0.194
ETHYLBENZENE	µg/L	550	1	0.440J	<0.280	<0.280	0.440J	<11.2	1.85J	<0.280	<0.280	<0.280
METHYLENE CHLORIDE	µg/L	4.6	1	<0.300	<0.300	<0.300	<0.300	**53.6J**	<0.300	<0.300	<0.300	<0.300
TRICHLOROETHENE	µg/L	2.8	1	<0.209	<0.209	<0.209	<0.209	<8.36	<0.209	<0.209	<0.209	0.550J
TOLUENE	µg/L	1,000	1	0.980J	0.560J	0.390J	0.770J	<8.92	11.3	0.300J	0.560J	<0.223
VINYL CHLORIDE	µg/L	0.015	1	<0.221	<0.221	<0.221	<0.221	**43.6J**	**0.460J**	<0.221	<0.221	<0.221
XYLENES	µg/L	530	5	1.05J	0.820J	0.720J	1.06J	<13.8	8.91	<0.344	<0.344	<0.344
APP. I INORGANIC COMPOUNDS	UNITS	2L	SWSL	BACKGROUND MONITOR WELLS			COMPLIANCE MONITOR WELLS				QUALITY CONTROL	
EPA METHOD 6010/6020		STANDARD		MW-3B	MW-4	MW-9	MW-1A	MW-5	MW-6	MW-7A	Duplicate	EQUIP BLANK
ARSENIC	µg/L	50	10	<1.85B	<1.85B	<1.85B	<1.85B	24.1B	<1.85B	8.89B	<1.85B	<1.85B
BARIUM	µg/L	2,000	100	144	60.8	175	141	204	137	152	142	63.2
CHROMIUM	µg/L	50	10	<1.15B	1.17JB	<1.15B	<1.15B	11.2B	2.57JB	1.97JB	<1.15B	<1.15B
COBALT	µg/L	70*	10	21.7B	3.97JB	3.52JB	5.56JB	**131B**	5.16JB	4.11JB	23.1B	4.22J
COPPER	µg/L	1,000	10	2.09J	2.77J	2.14J	3.04J	3.31J	2.49J	3.39J	2.76J	2.91JB
LEAD	µg/L	15	10	<3.58B	<3.58B	<3.58B	<3.58B	12.1B	<3.58B	4.2JB	<3.58B	<3.58
NICKEL	µg/L	100	50	23.4JB	<4.74B	<4.74B	22.0JB	40.3B	<4.74	<4.74	21.8J	6.53J
SELENIUM	µg/L	50	10	8.58J	9.30J	<7.30	8.14J	12.6	<7.30	<7.30	<7.30	<7.30
SILVER	µg/L	17.5	10	<0.812B	<0.812B	<0.812	<0.812B	6.76JB	<0.812B	<0.812B	<0.812B	<0.812B
THALLIUM	µg/L	0.28*	5.5	<5.21	<5.21	<5.21	<5.21	**5.64J**	<5.21	<5.21	<5.21	<5.21
VANADIUM	µg/L	3.5*	25	**8.90JB**	**7.77JB**	**5.71JB**	**6.22JB**	**9.62JB**	**10.8JB**	**5.56JB**	**7.95JB**	**7.47JB**
ZINC	µg/L	1,050	10	23.3	8.44J	<3.99	11.7	55.7	6.55J	<3.99	22.0	8.76J
GEOCHEMICAL PARAMETERS**	UNITS	2L	SWSL	BACKGROUND MONITOR WELLS			COMPLIANCE MONITOR WELLS				QUALITY CONTROL	
		STANDARD		MW-3B	MW-4	MW-9	MW-1A	MW-5	MW-6	MW-7A	Duplicate	EQUIP BLANK
CALCIUM	µg/L	NE	NE	22,100B	3,850B	33,200B	89,900B	142,000B	42,200B	136,000B	21,000B	NS
IRON	µg/L	300	300	**1,220B**	**676B**	**10,300B**	**6,360B**	**93,000B**	**20,400B**	**50,700B**	**1,210B**	NS
MAGNESIUM	µg/L	NE	NE	7,920B	1,050B	4,650B	14,200B	15,800B	4,260B	10,900B	7,910B	NS
MERCURY	µg/L	1.05	0.2	0.072JB	0.067JB	0.067JB	<0.037B	<0.037B	0.060JB	0.043JB	0.069JB	NS
POTASSIUM	µg/L	NE	NE	7,480B	2,130B	2,290B	11,200B	2,520B	2,780B	2,130B	7,010B	NS
SODIUM	µg/L	NE	NE	4,980B	4,290B	10,700B	25,100B	8,330B	7,840B	12,400B	4,890B	NS
ALKALINITY	µg/L	NE	NE	<2,000	2,000	98,000	150,000	436,000	110,000	348,000	<2,000	NS
AMMONIA	µg/L	NE	NE	<100	<100	<100	200	<100	1,400	200	<100	NS
CHLORIDE	µg/L	250,000*	NE	30,000	7,000	9,000	52,000	13,000	10,000	10,000	31,000	NS
COD	µg/L	NE	NE	7,000	5,000	11,000	19,000	32,000	42,000	17,000	9,000	NS
SULFATE	µg/L	250,000	250,000	61,000	5,000	<5,000	50,000	37,000	<5,000	31,000	62,000	NS
TDS	µg/L	500,000	NE	170,000	54,000	154,000	328,000	**517,000**	149,000	403,000	186,000	NS
TOC	µg/L	NE	NE	1,670	1,730	1,140	4,380	4,000	8,830	2,490	1,800	NS

NOTES:
Samples were collected on June 26 and 27, 2007and analyzed by SGS Environmental Services Inc. (SGS). Detection limits are shown on laboratory reports.
Jerry's Creek was dry at the time of sampling, therefore no upstream or downstream surface water samples were collected for laboratory analysis.
2L STANDARD = North Carolina groundwater standards as promulgated by 15A North Carolina Administrative Code, Subchapter 2L.
SWSL = Solid Waste Section Limit. (ref. NC DENR-DWM, Solid Waste Section February 23, 2007 memorandum)
* Indicates there is currently no 2L Standard. The target analyte was compared to the Solid Waste Groundwater Protection Standard (GWPST).
** Several methods were used in the laboratory anaysis for the geochemical parameters. These methods are listed in the laboratoy report in Appendix I.
J = Analyte detected, but below the laboratory reporting limit therefore the result is an estimated concentration.
B = Compound also detected in laboratory batch blank.
VOCs = Volatile Organic Compounds
µg/L = Micrograms Per Liter
NE = Regulatory standard not established for parameter.
NS = Not Sampled for this parameter.
COD = Chemical Oxygen Demand
TDS = Total Dissolved Solids
TOC = Total Organic Carbon
Duplicate sample collected from monitor well MW-3B (Laboratory report refers to MW-3B as MW-3A).
Values which are BOLD and shaded indicate levels above their respective NCDENR 2L Standard or GWPST.
Compounds not shown were not detected during this sampling event

APPENDIX I

REPORT OF LABORATORY ANALYSES

Ms. Michelle Logut
S&ME
3201 Spring Forrest Rd.
Raleigh NC 27616

Report Number: G108-1769

Client Project: Edgecombe County Landfill

Dear Ms. Logut:

Enclosed are the results of the analytical services performed under the referenced project. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or the services performed during this project, please call SGS/Paradigm at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS/Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,
SGS/Paradigm Analytical Laboratories, Inc.

for Laboratory Director
J. Patrick Weaver

7/17/07
Date

SGS ENVIRONMENTAL SERVICES, INC.

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-1A
Client Project ID: Edgecombe County Landfill
Lab Sample ID: G108-1769-1A
Lab Project ID: G108-1769

Analyzed By: MJC
Date Collected: 6/27/2007 14:10
Date Received: 6/29/2007
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	1.09	1	7/5/2007	
Acrylonitrile	BQL	200	0.213	1	7/5/2007	
Benzene	**0.490**	1.00	0.213	1	7/5/2007	J
Bromochloromethane	BQL	3.00	0.209	1	7/5/2007	
Bromodichloromethane	BQL	1.00	0.196	1	7/5/2007	
Bromoform	BQL	3.00	0.199	1	7/5/2007	
Bromomethane	BQL	5.50	0.392	1	7/5/2007	
2-butanone	BQL	51.0	1.53	1	7/5/2007	
Carbon disulfide	BQL	51.0	0.200	1	7/5/2007	
Carbon tetrachloride	BQL	5.50	0.277	1	7/5/2007	
Chlorobenzene	BQL	3.00	0.290	1	7/5/2007	
Chloroethane	BQL	5.50	0.568	1	7/5/2007	
Chloroform	BQL	3.00	0.204	1	7/5/2007	
Chloromethane	BQL	5.50	0.271	1	7/5/2007	
Dibromochloromethane	BQL	3.00	0.239	1	7/5/2007	
1,2-Dibromo-3-chloropropane	BQL	5.00	4.30	1	7/5/2007	
Dibromomethane	BQL	5.50	0.312	1	7/5/2007	
1,2-Dibromoethane	BQL	3.00	0.252	1	7/5/2007	
1,2-Dichlorobenzene	BQL	3.00	0.374	1	7/5/2007	
1,3-Dichlorobenzene	BQL	3.00	0.364	1	7/5/2007	
1,4-Dichlorobenzene	**0.720**	3.00	0.401	1	7/5/2007	J
t-1,4-Dichloro-2-butene	BQL	50.5	4.25	1	7/5/2007	
1,1-Dichloroethane	**1.04**	3.00	0.237	1	7/5/2007	J
1,1-Dichloroethene	BQL	3.00	0.185	1	7/5/2007	
1,2-Dichloroethane	BQL	3.00	0.210	1	7/5/2007	
cis-1,2-Dichloroethene	**4.55**	3.00	0.194	1	7/5/2007	
t-1,2-dichloroethene	BQL	3.00	0.204	1	7/5/2007	
1,2-Dichloropropane	BQL	3.00	0.212	1	7/5/2007	
1,1-Dichloropropene	BQL	3.00	0.231	1	7/5/2007	
cis-1,3-Dichloropropene	BQL	5.50	0.242	1	7/5/2007	
t-1,3-Dichloropropene	BQL	5.50	0.234	1	7/5/2007	
Ethylbenzene	**0.440**	3.00	0.280	1	7/5/2007	J
2-hexanone	BQL	26.0	1.19	1	7/5/2007	
Iodomethane	BQL	6.00	0.156	1	7/5/2007	
Methylene chloride	BQL	5.50	0.300	1	7/5/2007	
4-methyl-2-pentanone	BQL	51.0	1.38	1	7/5/2007	
Styrene	BQL	5.50	0.322	1	7/5/2007	
1,1,1,2-Tetrachloroethane	BQL	3.00	0.277	1	7/5/2007	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.329	1	7/5/2007	
Tetrachloroethene	BQL	3.00	0.226	1	7/5/2007	
Toluene	**0.770**	3.00	0.223	1	7/5/2007	J
Trichloroethene	BQL	3.00	0.209	1	7/5/2007	

SGS ENVIRONMENTAL SERVICES, INC.

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-1A
Client Project ID: Edgecombe County Landfill
Lab Sample ID: G108-1769-1A
Lab Project ID: G108-1769

Analyzed By: MJC
Date Collected: 6/27/2007 14:10
Date Received: 6/29/2007
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
1,1,1-Trichloroethane	BQL	3.00	0.256	1	7/5/2007	
1,1,2-Trichloroethane	BQL	3.00	0.279	1	7/5/2007	
Trichlorofluoromethane	BQL	3.00	0.202	1	7/5/2007	
1,2,3-Trichloropropane	BQL	8.00	1.48	1	7/5/2007	
Vinyl acetate	BQL	26.0	1.81	1	7/5/2007	
Vinyl chloride	BQL	5.50	0.221	1	7/5/2007	
Total Xylene	**1.06**	4.00	0.344	1	7/5/2007	J

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	11.3	113
Toluene-d8	10	10	100
4-Bromofluorobenzene	10	9.36	94

Comments:

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By:

SGS ENVIRONMENTAL SERVICES, INC.

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-3A
Client Project ID: Edgecombe County Landfill
Lab Sample ID: G108-1769-2A
Lab Project ID: G108-1769

Analyzed By: MJC
Date Collected: 6/27/2007 15:55
Date Received: 6/29/2007
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	1.09	1	7/5/2007	
Acrylonitrile	BQL	200	0.213	1	7/5/2007	
Benzene	BQL	1.00	0.213	1	7/5/2007	
Bromochloromethane	BQL	3.00	0.209	1	7/5/2007	
Bromodichloromethane	BQL	1.00	0.196	1	7/5/2007	
Bromoform	BQL	3.00	0.199	1	7/5/2007	
Bromomethane	BQL	5.50	0.392	1	7/5/2007	
2-butanone	BQL	51.0	1.53	1	7/5/2007	
Carbon disulfide	BQL	51.0	0.200	1	7/5/2007	
Carbon tetrachloride	BQL	5.50	0.277	1	7/5/2007	
Chlorobenzene	BQL	3.00	0.290	1	7/5/2007	
Chloroethane	BQL	5.50	0.568	1	7/5/2007	
Chloroform	BQL	3.00	0.204	1	7/5/2007	
Chloromethane	BQL	5.50	0.271	1	7/5/2007	
Dibromochloromethane	BQL	3.00	0.239	1	7/5/2007	
1,2-Dibromo-3-chloropropane	BQL	5.00	4.30	1	7/5/2007	
Dibromomethane	BQL	5.50	0.312	1	7/5/2007	
1,2-Dibromoethane	BQL	3.00	0.252	1	7/5/2007	
1,2-Dichlorobenzene	BQL	3.00	0.374	1	7/5/2007	
1,3-Dichlorobenzene	BQL	3.00	0.364	1	7/5/2007	
1,4-Dichlorobenzene	BQL	3.00	0.401	1	7/5/2007	
t-1,4-Dichloro-2-butene	BQL	50.5	4.25	1	7/5/2007	
1,1-Dichloroethane	BQL	3.00	0.237	1	7/5/2007	
1,1-Dichloroethene	BQL	3.00	0.185	1	7/5/2007	
1,2-Dichloroethane	BQL	3.00	0.210	1	7/5/2007	
cis-1,2-Dichloroethene	BQL	3.00	0.194	1	7/5/2007	
t-1,2-dichloroethene	BQL	3.00	0.204	1	7/5/2007	
1,2-Dichloropropane	BQL	3.00	0.212	1	7/5/2007	
1,1-Dichloropropene	BQL	3.00	0.231	1	7/5/2007	
cis-1,3-Dichloropropene	BQL	5.50	0.242	1	7/5/2007	
t-1,3-Dichloropropene	BQL	5.50	0.234	1	7/5/2007	
Ethylbenzene	**0.440**	3.00	0.280	1	7/5/2007	J
2-hexanone	BQL	26.0	1.19	1	7/5/2007	
Iodomethane	BQL	6.00	0.156	1	7/5/2007	
Methylene chloride	BQL	5.50	0.300	1	7/5/2007	
4-methyl-2-pentanone	BQL	51.0	1.38	1	7/5/2007	
Styrene	BQL	5.50	0.322	1	7/5/2007	
1,1,1,2-Tetrachloroethane	BQL	3.00	0.277	1	7/5/2007	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.329	1	7/5/2007	
Tetrachloroethene	BQL	3.00	0.226	1	7/5/2007	
Toluene	**0.980**	3.00	0.223	1	7/5/2007	J
Trichloroethene	BQL	3.00	0.209	1	7/5/2007	

SGS ENVIRONMENTAL SERVICES, INC.

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-3A
Client Project ID: Edgecombe County Landfill
Lab Sample ID: G108-1769-2A
Lab Project ID: G108-1769

Analyzed By: MJC
Date Collected: 6/27/2007 15:55
Date Received: 6/29/2007
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
1,1,1-Trichloroethane	BQL	3.00	0.256	1	7/5/2007	
1,1,2-Trichloroethane	BQL	3.00	0.279	1	7/5/2007	
Trichlorofluoromethane	BQL	3.00	0.202	1	7/5/2007	
1,2,3-Trichloropropane	BQL	8.00	1.48	1	7/5/2007	
Vinyl acetate	BQL	26.0	1.81	1	7/5/2007	
Vinyl chloride	BQL	5.50	0.221	1	7/5/2007	
Total Xylene	1.05	4.00	0.344	1	7/5/2007	J

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	11.5	115
Toluene-d8	10	9.82	98
4-Bromofluorobenzene	10	9.41	94

Comments:

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By:

N.C. CERTIFIED

SGS ENVIRONMENTAL SERVICES, INC.

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-4
Client Project ID: Edgecombe County Landfill
Lab Sample ID: G108-1769-3A
Lab Project ID: G108-1769

Analyzed By: MJC
Date Collected: 6/27/2007 15:00
Date Received: 6/29/2007
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	1.09	1	7/5/2007	
Acrylonitrile	BQL	200	0.213	1	7/5/2007	
Benzene	BQL	1.00	0.213	1	7/5/2007	
Bromochloromethane	BQL	3.00	0.209	1	7/5/2007	
Bromodichloromethane	BQL	1.00	0.196	1	7/5/2007	
Bromoform	BQL	3.00	0.199	1	7/5/2007	
Bromomethane	BQL	5.50	0.392	1	7/5/2007	
2-butanone	BQL	51.0	1.53	1	7/5/2007	
Carbon disulfide	BQL	51.0	0.200	1	7/5/2007	
Carbon tetrachloride	BQL	5.50	0.277	1	7/5/2007	
Chlorobenzene	BQL	3.00	0.290	1	7/5/2007	
Chloroethane	BQL	5.50	0.568	1	7/5/2007	
Chloroform	BQL	3.00	0.204	1	7/5/2007	
Chloromethane	BQL	5.50	0.271	1	7/5/2007	
Dibromochloromethane	BQL	3.00	0.239	1	7/5/2007	
1,2-Dibromo-3-chloropropane	BQL	5.00	4.30	1	7/5/2007	
Dibromomethane	BQL	5.50	0.312	1	7/5/2007	
1,2-Dibromoethane	BQL	3.00	0.252	1	7/5/2007	
1,2-Dichlorobenzene	BQL	3.00	0.374	1	7/5/2007	
1,3-Dichlorobenzene	BQL	3.00	0.364	1	7/5/2007	
1,4-Dichlorobenzene	BQL	3.00	0.401	1	7/5/2007	
t-1,4-Dichloro-2-butene	BQL	50.5	4.25	1	7/5/2007	
1,1-Dichloroethane	BQL	3.00	0.237	1	7/5/2007	
1,1-Dichloroethene	BQL	3.00	0.185	1	7/5/2007	
1,2-Dichloroethane	BQL	3.00	0.210	1	7/5/2007	
cis-1,2-Dichloroethene	BQL	3.00	0.194	1	7/5/2007	
t-1,2-dichloroethene	BQL	3.00	0.204	1	7/5/2007	
1,2-Dichloropropane	BQL	3.00	0.212	1	7/5/2007	
1,1-Dichloropropene	BQL	3.00	0.231	1	7/5/2007	
cis-1,3-Dichloropropene	BQL	5.50	0.242	1	7/5/2007	
t-1,3-Dichloropropene	BQL	5.50	0.234	1	7/5/2007	
Ethylbenzene	BQL	3.00	0.280	1	7/5/2007	
2-hexanone	BQL	26.0	1.19	1	7/5/2007	
Iodomethane	BQL	6.00	0.156	1	7/5/2007	
Methylene chloride	BQL	5.50	0.300	1	7/5/2007	
4-methyl-2-pentanone	BQL	51.0	1.38	1	7/5/2007	
Styrene	BQL	5.50	0.322	1	7/5/2007	
1,1,1,2-Tetrachloroethane	BQL	3.00	0.277	1	7/5/2007	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.329	1	7/5/2007	
Tetrachloroethene	BQL	3.00	0.226	1	7/5/2007	
Toluene	**0.560**	3.00	0.223	1	7/5/2007	J
Trichloroethene	BQL	3.00	0.209	1	7/5/2007	

SGS ENVIRONMENTAL SERVICES, INC.

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-4
Client Project ID: Edgecombe County Landfill
Lab Sample ID: G108-1769-3A
Lab Project ID: G108-1769

Analyzed By: MJC
Date Collected: 6/27/2007 15:00
Date Received: 6/29/2007
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
1,1,1-Trichloroethane	BQL	3.00	0.256	1	7/5/2007	
1,1,2-Trichloroethane	BQL	3.00	0.279	1	7/5/2007	
Trichlorofluoromethane	BQL	3.00	0.202	1	7/5/2007	
1,2,3-Trichloropropane	BQL	8.00	1.48	1	7/5/2007	
Vinyl acetate	BQL	26.0	1.81	1	7/5/2007	
Vinyl chloride	BQL	5.50	0.221	1	7/5/2007	
Total Xylene	**0.820**	4.00	0.344	1	7/5/2007	J

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	11.2	112
Toluene-d8	10	9.88	99
4-Bromofluorobenzene	10	9.48	95

Comments:

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By:

SGS ENVIRONMENTAL SERVICES, INC.

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-5
Client Project ID: Edgecombe County Landfill
Lab Sample ID: G108-1769-4A
Lab Project ID: G108-1769

Analyzed By: CLP
Date Collected: 6/26/2007 15:25
Date Received: 6/29/2007
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	4000	43.6	40	7/5/2007	
Acrylonitrile	BQL	8000	8.52	40	7/5/2007	
Benzene	BQL	40.0	8.52	40	7/5/2007	
Bromochloromethane	BQL	120	8.36	40	7/5/2007	
Bromodichloromethane	BQL	40.0	7.84	40	7/5/2007	
Bromoform	BQL	120	7.96	40	7/5/2007	
Bromomethane	BQL	220	15.7	40	7/5/2007	
2-butanone	BQL	2040	61.2	40	7/5/2007	
Carbon disulfide	BQL	2040	8.00	40	7/5/2007	
Carbon tetrachloride	BQL	220	11.1	40	7/5/2007	
Chlorobenzene	**14.4**	120	11.6	40	7/5/2007	J
Chloroethane	BQL	220	22.7	40	7/5/2007	
Chloroform	BQL	120	8.16	40	7/5/2007	
Chloromethane	BQL	220	10.8	40	7/5/2007	
Dibromochloromethane	BQL	120	9.56	40	7/5/2007	
1,2-Dibromo-3-chloropropane	BQL	200	172	40	7/5/2007	
Dibromomethane	BQL	220	12.5	40	7/5/2007	
1,2-Dibromoethane	BQL	120	10.1	40	7/5/2007	
1,2-Dichlorobenzene	BQL	120	15.0	40	7/5/2007	
1,3-Dichlorobenzene	BQL	120	14.6	40	7/5/2007	
1,4-Dichlorobenzene	BQL	120	16.0	40	7/5/2007	
t-1,4-Dichloro-2-butene	BQL	2020	170	40	7/5/2007	
1,1-Dichloroethane	**18.4**	120	9.48	40	7/5/2007	J
1,1-Dichloroethene	BQL	120	7.40	40	7/5/2007	
1,2-Dichloroethane	BQL	120	8.40	40	7/5/2007	
cis-1,2-Dichloroethene	**784**	120	7.76	40	7/5/2007	
t-1,2-dichloroethene	BQL	120	8.16	40	7/5/2007	
1,2-Dichloropropane	BQL	120	8.48	40	7/5/2007	
1,1-Dichloropropene	BQL	120	9.24	40	7/5/2007	
cis-1,3-Dichloropropene	BQL	220	9.68	40	7/5/2007	
t-1,3-Dichloropropene	BQL	220	9.36	40	7/5/2007	
Ethylbenzene	BQL	120	11.2	40	7/5/2007	
2-hexanone	BQL	1040	47.6	40	7/5/2007	
Iodomethane	BQL	240	6.24	40	7/5/2007	
Methylene chloride	**53.6**	220	12.0	40	7/5/2007	J
4-methyl-2-pentanone	BQL	2040	55.2	40	7/5/2007	
Styrene	BQL	220	12.9	40	7/5/2007	
1,1,1,2-Tetrachloroethane	BQL	120	11.1	40	7/5/2007	
1,1,2,2-Tetrachloroethane	BQL	120	13.2	40	7/5/2007	
Tetrachloroethene	BQL	120	9.04	40	7/5/2007	
Toluene	BQL	120	8.92	40	7/5/2007	
Trichloroethene	BQL	120	8.36	40	7/5/2007	

SGS ENVIRONMENTAL SERVICES, INC.

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-5
Client Project ID: Edgecombe County Landfill
Lab Sample ID: G108-1769-4A
Lab Project ID: G108-1769

Analyzed By: CLP
Date Collected: 6/26/2007 15:25
Date Received: 6/29/2007
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
1,1,1-Trichloroethane	BQL	120	10.2	40	7/5/2007	
1,1,2-Trichloroethane	BQL	120	11.2	40	7/5/2007	
Trichlorofluoromethane	BQL	120	8.08	40	7/5/2007	
1,2,3-Trichloropropane	BQL	320	59.2	40	7/5/2007	
Vinyl acetate	BQL	1040	72.4	40	7/5/2007	
Vinyl chloride	**43.6**	220	8.84	40	7/5/2007	J
Total Xylene	BQL	160	13.8	40	7/5/2007	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	10.5	105
Toluene-d8	10	9.95	99
4-Bromofluorobenzene	10	10.6	106

Comments:

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By:

SGS ENVIRONMENTAL SERVICES, INC.

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-6
Client Project ID: Edgecombe County Landfill
Lab Sample ID: G108-1769-5A
Lab Project ID: G108-1769

Analyzed By: MJC
Date Collected: 6/27/2007 10:10
Date Received: 6/29/2007
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	1.09	1	7/5/2007	
Acrylonitrile	BQL	200	0.213	1	7/5/2007	
Benzene	**2.11**	1.00	0.213	1	7/5/2007	
Bromochloromethane	BQL	3.00	0.209	1	7/5/2007	
Bromodichloromethane	BQL	1.00	0.196	1	7/5/2007	
Bromoform	BQL	3.00	0.199	1	7/5/2007	
Bromomethane	BQL	5.50	0.392	1	7/5/2007	
2-butanone	BQL	51.0	1.53	1	7/5/2007	
Carbon disulfide	BQL	51.0	0.200	1	7/5/2007	
Carbon tetrachloride	BQL	5.50	0.277	1	7/5/2007	
Chlorobenzene	BQL	3.00	0.290	1	7/5/2007	
Chloroethane	BQL	5.50	0.568	1	7/5/2007	
Chloroform	BQL	3.00	0.204	1	7/5/2007	
Chloromethane	BQL	5.50	0.271	1	7/5/2007	
Dibromochloromethane	BQL	3.00	0.239	1	7/5/2007	
1,2-Dibromo-3-chloropropane	BQL	5.00	4.30	1	7/5/2007	
Dibromomethane	BQL	5.50	0.312	1	7/5/2007	
1,2-Dibromoethane	BQL	3.00	0.252	1	7/5/2007	
1,2-Dichlorobenzene	BQL	3.00	0.374	1	7/5/2007	
1,3-Dichlorobenzene	BQL	3.00	0.364	1	7/5/2007	
1,4-Dichlorobenzene	BQL	3.00	0.401	1	7/5/2007	
t-1,4-Dichloro-2-butene	BQL	50.5	4.25	1	7/5/2007	
1,1-Dichloroethane	**1.29**	3.00	0.237	1	7/5/2007	J
1,1-Dichloroethene	BQL	3.00	0.185	1	7/5/2007	
1,2-Dichloroethane	BQL	3.00	0.210	1	7/5/2007	
cis-1,2-Dichloroethene	**1.24**	3.00	0.194	1	7/5/2007	J
t-1,2-dichloroethene	BQL	3.00	0.204	1	7/5/2007	
1,2-Dichloropropane	BQL	3.00	0.212	1	7/5/2007	
1,1-Dichloropropene	BQL	3.00	0.231	1	7/5/2007	
cis-1,3-Dichloropropene	BQL	5.50	0.242	1	7/5/2007	
t-1,3-Dichloropropene	BQL	5.50	0.234	1	7/5/2007	
Ethylbenzene	**1.85**	3.00	0.280	1	7/5/2007	J
2-hexanone	BQL	26.0	1.19	1	7/5/2007	
Iodomethane	BQL	6.00	0.156	1	7/5/2007	
Methylene chloride	BQL	5.50	0.300	1	7/5/2007	
4-methyl-2-pentanone	BQL	51.0	1.38	1	7/5/2007	
Styrene	BQL	5.50	0.322	1	7/5/2007	
1,1,1,2-Tetrachloroethane	BQL	3.00	0.277	1	7/5/2007	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.329	1	7/5/2007	
Tetrachloroethene	BQL	3.00	0.226	1	7/5/2007	
Toluene	**11.3**	3.00	0.223	1	7/5/2007	
Trichloroethene	BQL	3.00	0.209	1	7/5/2007	

SGS ENVIRONMENTAL SERVICES, INC.

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-6
Client Project ID: Edgecombe County Landfill
Lab Sample ID: G108-1769-5A
Lab Project ID: G108-1769

Analyzed By: MJC
Date Collected: 6/27/2007 10:10
Date Received: 6/29/2007
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
1,1,1-Trichloroethane	BQL	3.00	0.256	1	7/5/2007	
1,1,2-Trichloroethane	BQL	3.00	0.279	1	7/5/2007	
Trichlorofluoromethane	BQL	3.00	0.202	1	7/5/2007	
1,2,3-Trichloropropane	BQL	8.00	1.48	1	7/5/2007	
Vinyl acetate	BQL	26.0	1.81	1	7/5/2007	
Vinyl chloride	**0.460**	5.50	0.221	1	7/5/2007	J
Total Xylene	**8.91**	4.00	0.344	1	7/5/2007	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	11.2	112
Toluene-d8	10	9.91	99
4-Bromofluorobenzene	10	9.59	96

Comments:

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By:

SGS ENVIRONMENTAL SERVICES, INC.

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-7A
Client Project ID: Edgecombe County Landfill
Lab Sample ID: G108-1769-6A
Lab Project ID: G108-1769

Analyzed By: MJC
Date Collected: 6/26/2007 16:35
Date Received: 6/29/2007
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	1.09	1	7/5/2007	
Acrylonitrile	BQL	200	0.213	1	7/5/2007	
Benzene	**1.06**	1.00	0.213	1	7/5/2007	
Bromochloromethane	BQL	3.00	0.209	1	7/5/2007	
Bromodichloromethane	BQL	1.00	0.196	1	7/5/2007	
Bromoform	BQL	3.00	0.199	1	7/5/2007	
Bromomethane	BQL	5.50	0.392	1	7/5/2007	
2-butanone	BQL	51.0	1.53	1	7/5/2007	
Carbon disulfide	BQL	51.0	0.200	1	7/5/2007	
Carbon tetrachloride	BQL	5.50	0.277	1	7/5/2007	
Chlorobenzene	**1.30**	3.00	0.290	1	7/5/2007	J
Chloroethane	**1.83**	5.50	0.568	1	7/5/2007	J
Chloroform	BQL	3.00	0.204	1	7/5/2007	
Chloromethane	BQL	5.50	0.271	1	7/5/2007	
Dibromochloromethane	BQL	3.00	0.239	1	7/5/2007	
1,2-Dibromo-3-chloropropane	BQL	5.00	4.30	1	7/5/2007	
Dibromomethane	BQL	5.50	0.312	1	7/5/2007	
1,2-Dibromoethane	BQL	3.00	0.252	1	7/5/2007	
1,2-Dichlorobenzene	BQL	3.00	0.374	1	7/5/2007	
1,3-Dichlorobenzene	BQL	3.00	0.364	1	7/5/2007	
1,4-Dichlorobenzene	**0.560**	3.00	0.401	1	7/5/2007	J
t-1,4-Dichloro-2-butene	BQL	50.5	4.25	1	7/5/2007	
1,1-Dichloroethane	BQL	3.00	0.237	1	7/5/2007	
1,1-Dichloroethene	BQL	3.00	0.185	1	7/5/2007	
1,2-Dichloroethane	BQL	3.00	0.210	1	7/5/2007	
cis-1,2-Dichloroethene	BQL	3.00	0.194	1	7/5/2007	
t-1,2-dichloroethene	BQL	3.00	0.204	1	7/5/2007	
1,2-Dichloropropane	BQL	3.00	0.212	1	7/5/2007	
1,1-Dichloropropene	BQL	3.00	0.231	1	7/5/2007	
cis-1,3-Dichloropropene	BQL	5.50	0.242	1	7/5/2007	
t-1,3-Dichloropropene	BQL	5.50	0.234	1	7/5/2007	
Ethylbenzene	BQL	3.00	0.280	1	7/5/2007	
2-hexanone	BQL	26.0	1.19	1	7/5/2007	
Iodomethane	BQL	6.00	0.156	1	7/5/2007	
Methylene chloride	BQL	5.50	0.300	1	7/5/2007	
4-methyl-2-pentanone	BQL	51.0	1.38	1	7/5/2007	
Styrene	BQL	5.50	0.322	1	7/5/2007	
1,1,1,2-Tetrachloroethane	BQL	3.00	0.277	1	7/5/2007	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.329	1	7/5/2007	
Tetrachloroethene	BQL	3.00	0.226	1	7/5/2007	
Toluene	**0.300**	3.00	0.223	1	7/5/2007	J
Trichloroethene	BQL	3.00	0.209	1	7/5/2007	

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Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-7A
Client Project ID: Edgecombe County Landfill
Lab Sample ID: G108-1769-6A
Lab Project ID: G108-1769

Analyzed By: MJC
Date Collected: 6/26/2007 16:35
Date Received: 6/29/2007
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
1,1,1-Trichloroethane	BQL	3.00	0.256	1	7/5/2007	
1,1,2-Trichloroethane	BQL	3.00	0.279	1	7/5/2007	
Trichlorofluoromethane	BQL	3.00	0.202	1	7/5/2007	
1,2,3-Trichloropropane	BQL	8.00	1.48	1	7/5/2007	
Vinyl acetate	BQL	26.0	1.81	1	7/5/2007	
Vinyl chloride	BQL	5.50	0.221	1	7/5/2007	
Total Xylene	BQL	4.00	0.344	1	7/5/2007	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	11.6	116
Toluene-d8	10	9.96	100
4-Bromofluorobenzene	10	9.16	92

Comments:

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By:

SGS ENVIRONMENTAL SERVICES, INC.

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-9
Client Project ID: Edgecombe County Landfill
Lab Sample ID: G108-1769-7A
Lab Project ID: G108-1769

Analyzed By: MJC
Date Collected: 6/27/2007 11:05
Date Received: 6/29/2007
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	1.09	1	7/5/2007	
Acrylonitrile	BQL	200	0.213	1	7/5/2007	
Benzene	BQL	1.00	0.213	1	7/5/2007	
Bromochloromethane	BQL	3.00	0.209	1	7/5/2007	
Bromodichloromethane	BQL	1.00	0.196	1	7/5/2007	
Bromoform	BQL	3.00	0.199	1	7/5/2007	
Bromomethane	BQL	5.50	0.392	1	7/5/2007	
2-butanone	BQL	51.0	1.53	1	7/5/2007	
Carbon disulfide	BQL	51.0	0.200	1	7/5/2007	
Carbon tetrachloride	BQL	5.50	0.277	1	7/5/2007	
Chlorobenzene	BQL	3.00	0.290	1	7/5/2007	
Chloroethane	BQL	5.50	0.568	1	7/5/2007	
Chloroform	BQL	3.00	0.204	1	7/5/2007	
Chloromethane	BQL	5.50	0.271	1	7/5/2007	
Dibromochloromethane	BQL	3.00	0.239	1	7/5/2007	
1,2-Dibromo-3-chloropropane	BQL	5.00	4.30	1	7/5/2007	
Dibromomethane	BQL	5.50	0.312	1	7/5/2007	
1,2-Dibromoethane	BQL	3.00	0.252	1	7/5/2007	
1,2-Dichlorobenzene	BQL	3.00	0.374	1	7/5/2007	
1,3-Dichlorobenzene	BQL	3.00	0.364	1	7/5/2007	
1,4-Dichlorobenzene	BQL	3.00	0.401	1	7/5/2007	
t-1,4-Dichloro-2-butene	BQL	50.5	4.25	1	7/5/2007	
1,1-Dichloroethane	BQL	3.00	0.237	1	7/5/2007	
1,1-Dichloroethene	BQL	3.00	0.185	1	7/5/2007	
1,2-Dichloroethane	BQL	3.00	0.210	1	7/5/2007	
cis-1,2-Dichloroethene	BQL	3.00	0.194	1	7/5/2007	
t-1,2-dichloroethene	BQL	3.00	0.204	1	7/5/2007	
1,2-Dichloropropane	BQL	3.00	0.212	1	7/5/2007	
1,1-Dichloropropene	BQL	3.00	0.231	1	7/5/2007	
cis-1,3-Dichloropropene	BQL	5.50	0.242	1	7/5/2007	
t-1,3-Dichloropropene	BQL	5.50	0.234	1	7/5/2007	
Ethylbenzene	BQL	3.00	0.280	1	7/5/2007	
2-hexanone	BQL	26.0	1.19	1	7/5/2007	
Iodomethane	BQL	6.00	0.156	1	7/5/2007	
Methylene chloride	BQL	5.50	0.300	1	7/5/2007	
4-methyl-2-pentanone	BQL	51.0	1.38	1	7/5/2007	
Styrene	BQL	5.50	0.322	1	7/5/2007	
1,1,1,2-Tetrachloroethane	BQL	3.00	0.277	1	7/5/2007	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.329	1	7/5/2007	
Tetrachloroethene	BQL	3.00	0.226	1	7/5/2007	
Toluene	**0.390**	3.00	0.223	1	7/5/2007	J
Trichloroethene	BQL	3.00	0.209	1	7/5/2007	

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Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: MW-9
Client Project ID: Edgecombe County Landfill
Lab Sample ID: G108-1769-7A
Lab Project ID: G108-1769

Analyzed By: MJC
Date Collected: 6/27/2007 11:05
Date Received: 6/29/2007
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
1,1,1-Trichloroethane	BQL	3.00	0.256	1	7/5/2007	
1,1,2-Trichloroethane	BQL	3.00	0.279	1	7/5/2007	
Trichlorofluoromethane	BQL	3.00	0.202	1	7/5/2007	
1,2,3-Trichloropropane	BQL	8.00	1.48	1	7/5/2007	
Vinyl acetate	BQL	26.0	1.81	1	7/5/2007	
Vinyl chloride	BQL	5.50	0.221	1	7/5/2007	
Total Xylene	**0.720**	4.00	0.344	1	7/5/2007	J

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	11.5	115
Toluene-d8	10	10.1	101
4-Bromofluorobenzene	10	8.97	90

Comments:

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By:

SGS ENVIRONMENTAL SERVICES, INC.

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: Equipment Blank
Client Project ID: Edgecombe County Landfill
Lab Sample ID: G108-1769-8A
Lab Project ID: G108-1769

Analyzed By: MJC
Date Collected: 6/27/2007 16:55
Date Received: 6/29/2007
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	1.09	1	7/5/2007	
Acrylonitrile	BQL	200	0.213	1	7/5/2007	
Benzene	BQL	1.00	0.213	1	7/5/2007	
Bromochloromethane	BQL	3.00	0.209	1	7/5/2007	
Bromodichloromethane	BQL	1.00	0.196	1	7/5/2007	
Bromoform	BQL	3.00	0.199	1	7/5/2007	
Bromomethane	BQL	5.50	0.392	1	7/5/2007	
2-butanone	BQL	51.0	1.53	1	7/5/2007	
Carbon disulfide	BQL	51.0	0.200	1	7/5/2007	
Carbon tetrachloride	BQL	5.50	0.277	1	7/5/2007	
Chlorobenzene	BQL	3.00	0.290	1	7/5/2007	
Chloroethane	BQL	5.50	0.568	1	7/5/2007	
Chloroform	BQL	3.00	0.204	1	7/5/2007	
Chloromethane	BQL	5.50	0.271	1	7/5/2007	
Dibromochloromethane	BQL	3.00	0.239	1	7/5/2007	
1,2-Dibromo-3-chloropropane	BQL	5.00	4.30	1	7/5/2007	
Dibromomethane	BQL	5.50	0.312	1	7/5/2007	
1,2-Dibromoethane	BQL	3.00	0.252	1	7/5/2007	
1,2-Dichlorobenzene	BQL	3.00	0.374	1	7/5/2007	
1,3-Dichlorobenzene	BQL	3.00	0.364	1	7/5/2007	
1,4-Dichlorobenzene	BQL	3.00	0.401	1	7/5/2007	
t-1,4-Dichloro-2-butene	BQL	50.5	4.25	1	7/5/2007	
1,1-Dichloroethane	BQL	3.00	0.237	1	7/5/2007	
1,1-Dichloroethene	BQL	3.00	0.185	1	7/5/2007	
1,2-Dichloroethane	BQL	3.00	0.210	1	7/5/2007	
cis-1,2-Dichloroethene	BQL	3.00	0.194	1	7/5/2007	
t-1,2-dichloroethene	BQL	3.00	0.204	1	7/5/2007	
1,2-Dichloropropane	BQL	3.00	0.212	1	7/5/2007	
1,1-Dichloropropene	BQL	3.00	0.231	1	7/5/2007	
cis-1,3-Dichloropropene	BQL	5.50	0.242	1	7/5/2007	
t-1,3-Dichloropropene	BQL	5.50	0.234	1	7/5/2007	
Ethylbenzene	BQL	3.00	0.280	1	7/5/2007	
2-hexanone	BQL	26.0	1.19	1	7/5/2007	
Iodomethane	BQL	6.00	0.156	1	7/5/2007	
Methylene chloride	BQL	5.50	0.300	1	7/5/2007	
4-methyl-2-pentanone	BQL	51.0	1.38	1	7/5/2007	
Styrene	BQL	5.50	0.322	1	7/5/2007	
1,1,1,2-Tetrachloroethane	BQL	3.00	0.277	1	7/5/2007	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.329	1	7/5/2007	
Tetrachloroethene	BQL	3.00	0.226	1	7/5/2007	
Toluene	BQL	3.00	0.223	1	7/5/2007	
Trichloroethene	**0.550**	3.00	0.209	1	7/5/2007	J

SGS ENVIRONMENTAL SERVICES, INC.

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: Equipment Blank
Client Project ID: Edgecombe County Landfill
Lab Sample ID: G108-1769-8A
Lab Project ID: G108-1769

Analyzed By: MJC
Date Collected: 6/27/2007 16:55
Date Received: 6/29/2007
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
1,1,1-Trichloroethane	BQL	3.00	0.256	1	7/5/2007	
1,1,2-Trichloroethane	BQL	3.00	0.279	1	7/5/2007	
Trichlorofluoromethane	BQL	3.00	0.202	1	7/5/2007	
1,2,3-Trichloropropane	BQL	8.00	1.48	1	7/5/2007	
Vinyl acetate	BQL	26.0	1.81	1	7/5/2007	
Vinyl chloride	BQL	5.50	0.221	1	7/5/2007	
Total Xylene	BQL	4.00	0.344	1	7/5/2007	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	11.4	114
Toluene-d8	10	9.93	99
4-Bromofluorobenzene	10	9.43	94

Comments:

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By:

SGS ENVIRONMENTAL SERVICES, INC.

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: Trip Blank
Client Project ID: Edgecombe County Landfill
Lab Sample ID: G108-1769-9A
Lab Project ID: G108-1769

Analyzed By: MJC
Date Collected: 6/27/2007 0:00
Date Received: 6/29/2007
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	1.09	1	7/5/2007	
Acrylonitrile	BQL	200	0.213	1	7/5/2007	
Benzene	BQL	1.00	0.213	1	7/5/2007	
Bromochloromethane	BQL	3.00	0.209	1	7/5/2007	
Bromodichloromethane	BQL	1.00	0.196	1	7/5/2007	
Bromoform	BQL	3.00	0.199	1	7/5/2007	
Bromomethane	BQL	5.50	0.392	1	7/5/2007	
2-butanone	BQL	51.0	1.53	1	7/5/2007	
Carbon disulfide	BQL	51.0	0.200	1	7/5/2007	
Carbon tetrachloride	BQL	5.50	0.277	1	7/5/2007	
Chlorobenzene	BQL	3.00	0.290	1	7/5/2007	
Chloroethane	BQL	5.50	0.568	1	7/5/2007	
Chloroform	BQL	3.00	0.204	1	7/5/2007	
Chloromethane	BQL	5.50	0.271	1	7/5/2007	
Dibromochloromethane	BQL	3.00	0.239	1	7/5/2007	
1,2-Dibromo-3-chloropropane	BQL	5.00	4.30	1	7/5/2007	
Dibromomethane	BQL	5.50	0.312	1	7/5/2007	
1,2-Dibromoethane	BQL	3.00	0.252	1	7/5/2007	
1,2-Dichlorobenzene	BQL	3.00	0.374	1	7/5/2007	
1,3-Dichlorobenzene	BQL	3.00	0.364	1	7/5/2007	
1,4-Dichlorobenzene	BQL	3.00	0.401	1	7/5/2007	
t-1,4-Dichloro-2-butene	BQL	50.5	4.25	1	7/5/2007	
1,1-Dichloroethane	BQL	3.00	0.237	1	7/5/2007	
1,1-Dichloroethene	BQL	3.00	0.185	1	7/5/2007	
1,2-Dichloroethane	BQL	3.00	0.210	1	7/5/2007	
cis-1,2-Dichloroethene	BQL	3.00	0.194	1	7/5/2007	
t-1,2-dichloroethene	BQL	3.00	0.204	1	7/5/2007	
1,2-Dichloropropane	BQL	3.00	0.212	1	7/5/2007	
1,1-Dichloropropene	BQL	3.00	0.231	1	7/5/2007	
cis-1,3-Dichloropropene	BQL	5.50	0.242	1	7/5/2007	
t-1,3-Dichloropropene	BQL	5.50	0.234	1	7/5/2007	
Ethylbenzene	BQL	3.00	0.280	1	7/5/2007	
2-hexanone	BQL	26.0	1.19	1	7/5/2007	
Iodomethane	BQL	6.00	0.156	1	7/5/2007	
Methylene chloride	BQL	5.50	0.300	1	7/5/2007	
4-methyl-2-pentanone	BQL	51.0	1.38	1	7/5/2007	
Styrene	BQL	5.50	0.322	1	7/5/2007	
1,1,1,2-Tetrachloroethane	BQL	3.00	0.277	1	7/5/2007	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.329	1	7/5/2007	
Tetrachloroethene	BQL	3.00	0.226	1	7/5/2007	
Toluene	BQL	3.00	0.223	1	7/5/2007	
Trichloroethene	BQL	3.00	0.209	1	7/5/2007	

SGS ENVIRONMENTAL SERVICES, INC.

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: Trip Blank
Client Project ID: Edgecombe County Landfill
Lab Sample ID: G108-1769-9A
Lab Project ID: G108-1769

Analyzed By: MJC
Date Collected: 6/27/2007 0:00
Date Received: 6/29/2007
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
1,1,1-Trichloroethane	BQL	3.00	0.256	1	7/5/2007	
1,1,2-Trichloroethane	BQL	3.00	0.279	1	7/5/2007	
Trichlorofluoromethane	BQL	3.00	0.202	1	7/5/2007	
1,2,3-Trichloropropane	BQL	8.00	1.48	1	7/5/2007	
Vinyl acetate	BQL	26.0	1.81	1	7/5/2007	
Vinyl chloride	BQL	5.50	0.221	1	7/5/2007	
Total Xylene	BQL	4.00	0.344	1	7/5/2007	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	11.3	113
Toluene-d8	10	9.92	99
4-Bromofluorobenzene	10	9.46	95

Comments:

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By:

SGS ENVIRONMENTAL SERVICES, INC.

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: DUPLICATE
Client Project ID: Edgecombe County Landfill
Lab Sample ID: G108-1769-10A
Lab Project ID: G108-1769

Analyzed By: CLP
Date Collected: 6/27/2007 0:00
Date Received: 6/29/2007
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	**2.40**	100	1.09	1	7/5/2007	J
Acrylonitrile	BQL	200	0.213	1	7/5/2007	
Benzene	BQL	1.00	0.213	1	7/5/2007	
Bromochloromethane	BQL	3.00	0.209	1	7/5/2007	
Bromodichloromethane	BQL	1.00	0.196	1	7/5/2007	
Bromoform	BQL	3.00	0.199	1	7/5/2007	
Bromomethane	BQL	5.50	0.392	1	7/5/2007	
2-butanone	BQL	51.0	1.53	1	7/5/2007	
Carbon disulfide	BQL	51.0	0.200	1	7/5/2007	
Carbon tetrachloride	BQL	5.50	0.277	1	7/5/2007	
Chlorobenzene	BQL	3.00	0.290	1	7/5/2007	
Chloroethane	BQL	5.50	0.568	1	7/5/2007	
Chloroform	BQL	3.00	0.204	1	7/5/2007	
Chloromethane	BQL	5.50	0.271	1	7/5/2007	
Dibromochloromethane	BQL	3.00	0.239	1	7/5/2007	
1,2-Dibromo-3-chloropropane	BQL	5.00	4.30	1	7/5/2007	
Dibromomethane	BQL	5.50	0.312	1	7/5/2007	
1,2-Dibromoethane	BQL	3.00	0.252	1	7/5/2007	
1,2-Dichlorobenzene	BQL	3.00	0.374	1	7/5/2007	
1,3-Dichlorobenzene	BQL	3.00	0.364	1	7/5/2007	
1,4-Dichlorobenzene	BQL	3.00	0.401	1	7/5/2007	
t-1,4-Dichloro-2-butene	BQL	50.5	4.25	1	7/5/2007	
1,1-Dichloroethane	BQL	3.00	0.237	1	7/5/2007	
1,1-Dichloroethene	BQL	3.00	0.185	1	7/5/2007	
1,2-Dichloroethane	BQL	3.00	0.210	1	7/5/2007	
cis-1,2-Dichloroethene	BQL	3.00	0.194	1	7/5/2007	
t-1,2-dichloroethene	BQL	3.00	0.204	1	7/5/2007	
1,2-Dichloropropane	BQL	3.00	0.212	1	7/5/2007	
1,1-Dichloropropene	BQL	3.00	0.231	1	7/5/2007	
cis-1,3-Dichloropropene	BQL	5.50	0.242	1	7/5/2007	
t-1,3-Dichloropropene	BQL	5.50	0.234	1	7/5/2007	
Ethylbenzene	BQL	3.00	0.280	1	7/5/2007	
2-hexanone	BQL	26.0	1.19	1	7/5/2007	
Iodomethane	BQL	6.00	0.156	1	7/5/2007	
Methylene chloride	BQL	5.50	0.300	1	7/5/2007	
4-methyl-2-pentanone	BQL	51.0	1.38	1	7/5/2007	
Styrene	BQL	5.50	0.322	1	7/5/2007	
1,1,1,2-Tetrachloroethane	BQL	3.00	0.277	1	7/5/2007	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.329	1	7/5/2007	
Tetrachloroethene	BQL	3.00	0.226	1	7/5/2007	
Toluene	**0.560**	3.00	0.223	1	7/5/2007	J
Trichloroethene	BQL	3.00	0.209	1	7/5/2007	

SGS ENVIRONMENTAL SERVICES, INC.

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: DUPLICATE
Client Project ID: Edgecombe County Landfill
Lab Sample ID: G108-1769-10A
Lab Project ID: G108-1769

Analyzed By: CLP
Date Collected: 6/27/2007 0:00
Date Received: 6/29/2007
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
1,1,1-Trichloroethane	BQL	3.00	0.256	1	7/5/2007	
1,1,2-Trichloroethane	BQL	3.00	0.279	1	7/5/2007	
Trichlorofluoromethane	BQL	3.00	0.202	1	7/5/2007	
1,2,3-Trichloropropane	BQL	8.00	1.48	1	7/5/2007	
Vinyl acetate	BQL	26.0	1.81	1	7/5/2007	
Vinyl chloride	BQL	5.50	0.221	1	7/5/2007	
Total Xylene	BQL	4.00	0.344	1	7/5/2007	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	10.9	109
Toluene-d8	10	9.9	99
4-Bromofluorobenzene	10	9.97	100

Comments:

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By:

SGS ENVIRONMENTAL SERVICES, INC.

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: VBLK4070507B
Lab Project ID:

Analyzed By: MJC
Date Collected:
Date Received:
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	1.09	1	7/5/2007	
Acrylonitrile	BQL	200	0.213	1	7/5/2007	
Benzene	BQL	1.00	0.213	1	7/5/2007	
Bromochloromethane	BQL	3.00	0.209	1	7/5/2007	
Bromodichloromethane	BQL	1.00	0.196	1	7/5/2007	
Bromoform	BQL	3.00	0.199	1	7/5/2007	
Bromomethane	BQL	5.50	0.392	1	7/5/2007	
2-butanone	BQL	51.0	1.53	1	7/5/2007	
Carbon disulfide	BQL	51.0	0.200	1	7/5/2007	
Carbon tetrachloride	BQL	5.50	0.277	1	7/5/2007	
Chlorobenzene	BQL	3.00	0.290	1	7/5/2007	
Chloroethane	BQL	5.50	0.568	1	7/5/2007	
Chloroform	BQL	3.00	0.204	1	7/5/2007	
Chloromethane	BQL	5.50	0.271	1	7/5/2007	
Dibromochloromethane	BQL	3.00	0.239	1	7/5/2007	
1,2-Dibromo-3-chloropropane	BQL	5.00	4.30	1	7/5/2007	
Dibromomethane	BQL	5.50	0.312	1	7/5/2007	
1,2-Dibromoethane	BQL	3.00	0.252	1	7/5/2007	
1,2-Dichlorobenzene	BQL	3.00	0.374	1	7/5/2007	
1,3-Dichlorobenzene	BQL	3.00	0.364	1	7/5/2007	
1,4-Dichlorobenzene	BQL	3.00	0.401	1	7/5/2007	
t-1,4-Dichloro-2-butene	BQL	50.5	4.25	1	7/5/2007	
1,1-Dichloroethane	BQL	3.00	0.237	1	7/5/2007	
1,1-Dichloroethene	BQL	3.00	0.185	1	7/5/2007	
1,2-Dichloroethane	BQL	3.00	0.210	1	7/5/2007	
cis-1,2-Dichloroethene	BQL	3.00	0.194	1	7/5/2007	
t-1,2-dichloroethene	BQL	3.00	0.204	1	7/5/2007	
1,2-Dichloropropane	BQL	3.00	0.212	1	7/5/2007	
1,1-Dichloropropene	BQL	3.00	0.231	1	7/5/2007	
cis-1,3-Dichloropropene	BQL	5.50	0.242	1	7/5/2007	
t-1,3-Dichloropropene	BQL	5.50	0.234	1	7/5/2007	
Ethylbenzene	BQL	3.00	0.280	1	7/5/2007	
2-hexanone	BQL	26.0	1.19	1	7/5/2007	
Iodomethane	BQL	6.00	0.156	1	7/5/2007	
Methylene chloride	BQL	5.50	0.300	1	7/5/2007	
4-methyl-2-pentanone	BQL	51.0	1.38	1	7/5/2007	
Styrene	BQL	5.50	0.322	1	7/5/2007	
1,1,1,2-Tetrachloroethane	BQL	3.00	0.277	1	7/5/2007	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.329	1	7/5/2007	
Tetrachloroethene	BQL	3.00	0.226	1	7/5/2007	
Toluene	BQL	3.00	0.223	1	7/5/2007	
Trichloroethene	BQL	3.00	0.209	1	7/5/2007	

SGS ENVIRONMENTAL SERVICES, INC.

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: VBLK4070507B
Lab Project ID:

Analyzed By: MJC
Date Collected:
Date Received:
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
1,1,1-Trichloroethane	BQL	3.00	0.256	1	7/5/2007	
1,1,2-Trichloroethane	BQL	3.00	0.279	1	7/5/2007	
Trichlorofluoromethane	BQL	3.00	0.202	1	7/5/2007	
1,2,3-Trichloropropane	BQL	8.00	1.48	1	7/5/2007	
Vinyl acetate	BQL	26.0	1.81	1	7/5/2007	
Vinyl chloride	BQL	5.50	0.221	1	7/5/2007	
Total Xylene	BQL	4.00	0.344	1	7/5/2007	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	11.2	112
Toluene-d8	10	9.92	99
4-Bromofluorobenzene	10	9.68	97

Comments:

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By:

SGS ENVIRONMENTAL SERVICES, INC.

SGS Environmental Sevices

LABORATORY CONTROL SAMPLE/LABORATORY CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: SGS Environmental | Contract:

Lab Code: NC00919 | Case No.: | SAS No.: | SDG No.:

LCS: LCS4070507A | Filename: 0705404.D | Date Analyzed: 07/05/07 09:59 | Dilution: 1

LCSD: LCS4070507B | Filename: 0705405.D | Date Analyzed: 07/05/07 10:30 | Matrix: Water

COMPOUND	LCS SPIKE (µg/L)	LCS CONC (µg/L)	LCS % REC #	LCSD SPIKE (µg/L)	LCSD CONC (µg/L)	LCSD % REC #	% RPD	QC LIMITS RPD	QC LIMITS REC
benzene	5.00	5.37	107	5.00	4.66	93.2	14.2	30	77.4-123
chlorobenzene	5.00	5.00	100	5.00	4.34	86.8	14.1	30	72.5-128
1,1-dichloroethene	5.00	4.44	88.8	5.00	3.86	77.2	14.0	30	71.7-128
toluene	5.00	5.38	108	5.00	4.72	94.4	13.1	30	75.9-124
trichloroethene	5.00	5.36	107	5.00	4.44	88.8	18.8	30	77.9-122

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

SGS ENVIRONMENTAL SERVICES, INC.

SGS Environmental Services

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: SGS Environmental Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Matrix Spike - EPA Sample No.: G118-484-8A Dilution: 10000

Filenames: 0705417.D, 0705422.D, 0705423.D

COMPOUND	SAMPLE CONC (µg/L)	MS SPIKE (µg/L)	MS CONC (µg/L)	MS % REC #	MSD SPIKE (µg/L)	MSD CONC (µg/L)	MSD % REC #	% RPD	QC LIMITS RPD	QC LIMITS REC
benzene	BQL	50000	53900	108	50000	51000	102	5.53	30	61.6-135
chlorobenzene	BQL	50000	49700	99.4	50000	45100	90.2	9.70	30	77.2-118
1,1-dichloroethene	15200	50000	42800	85.6	50000	42300	84.6	1.18	30	64.4-130
toluene	BQL	50000	54700	109	50000	49400	98.8	10.2	30	66.4-128
trichloroethene	BQL	50000	52600	105	50000	47500	95.0	10.2	30	84.9-136

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS:

SGS ENVIRONMENTAL SERVICES, INC.

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: VBLK3070507B
Lab Project ID:

Analyzed By: CLP
Date Collected:
Date Received:
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
Acetone	BQL	100	1.09	1	7/5/2007	
Acrylonitrile	BQL	200	0.213	1	7/5/2007	
Benzene	BQL	1.00	0.213	1	7/5/2007	
Bromochloromethane	BQL	3.00	0.209	1	7/5/2007	
Bromodichloromethane	BQL	1.00	0.196	1	7/5/2007	
Bromoform	BQL	3.00	0.199	1	7/5/2007	
Bromomethane	BQL	5.50	0.392	1	7/5/2007	
2-butanone	BQL	51.0	1.53	1	7/5/2007	
Carbon disulfide	BQL	51.0	0.200	1	7/5/2007	
Carbon tetrachloride	BQL	5.50	0.277	1	7/5/2007	
Chlorobenzene	BQL	3.00	0.290	1	7/5/2007	
Chloroethane	BQL	5.50	0.568	1	7/5/2007	
Chloroform	BQL	3.00	0.204	1	7/5/2007	
Chloromethane	BQL	5.50	0.271	1	7/5/2007	
Dibromochloromethane	BQL	3.00	0.239	1	7/5/2007	
1,2-Dibromo-3-chloropropane	BQL	5.00	4.30	1	7/5/2007	
Dibromomethane	BQL	5.50	0.312	1	7/5/2007	
1,2-Dibromoethane	BQL	3.00	0.252	1	7/5/2007	
1,2-Dichlorobenzene	BQL	3.00	0.374	1	7/5/2007	
1,3-Dichlorobenzene	BQL	3.00	0.364	1	7/5/2007	
1,4-Dichlorobenzene	BQL	3.00	0.401	1	7/5/2007	
t-1,4-Dichloro-2-butene	BQL	50.5	4.25	1	7/5/2007	
1,1-Dichloroethane	BQL	3.00	0.237	1	7/5/2007	
1,1-Dichloroethene	BQL	3.00	0.185	1	7/5/2007	
1,2-Dichloroethane	BQL	3.00	0.210	1	7/5/2007	
cis-1,2-Dichloroethene	BQL	3.00	0.194	1	7/5/2007	
t-1,2-dichloroethene	BQL	3.00	0.204	1	7/5/2007	
1,2-Dichloropropane	BQL	3.00	0.212	1	7/5/2007	
1,1-Dichloropropene	BQL	3.00	0.231	1	7/5/2007	
cis-1,3-Dichloropropene	BQL	5.50	0.242	1	7/5/2007	
t-1,3-Dichloropropene	BQL	5.50	0.234	1	7/5/2007	
Ethylbenzene	BQL	3.00	0.280	1	7/5/2007	
2-hexanone	BQL	26.0	1.19	1	7/5/2007	
Iodomethane	BQL	6.00	0.156	1	7/5/2007	
Methylene chloride	1.13	5.50	0.300	1	7/5/2007	J
4-methyl-2-pentanone	BQL	51.0	1.38	1	7/5/2007	
Styrene	BQL	5.50	0.322	1	7/5/2007	
1,1,1,2-Tetrachloroethane	BQL	3.00	0.277	1	7/5/2007	
1,1,2,2-Tetrachloroethane	BQL	3.00	0.329	1	7/5/2007	
Tetrachloroethene	BQL	3.00	0.226	1	7/5/2007	
Toluene	BQL	3.00	0.223	1	7/5/2007	
Trichloroethene	BQL	3.00	0.209	1	7/5/2007	

SGS ENVIRONMENTAL SERVICES, INC.

Results for Volatiles
by GCMS 8260 Appendix I

Client Sample ID: Method Blank
Client Project ID:
Lab Sample ID: VBLK3070507B
Lab Project ID:

Analyzed By: CLP
Date Collected:
Date Received:
Matrix: Water
Sample Amount: 5 mL

Compound	Result UG/L	SWSL Limit UG/L	MDL UG/L	Dilution Factor	Date Analyzed	Flag
1,1,1-Trichloroethane	BQL	3.00	0.256	1	7/5/2007	
1,1,2-Trichloroethane	BQL	3.00	0.279	1	7/5/2007	
Trichlorofluoromethane	BQL	3.00	0.202	1	7/5/2007	
1,2,3-Trichloropropane	BQL	8.00	1.48	1	7/5/2007	
Vinyl acetate	BQL	26.0	1.81	1	7/5/2007	
Vinyl chloride	BQL	5.50	0.221	1	7/5/2007	
Total Xylene	BQL	4.00	0.344	1	7/5/2007	

	Spike Added	Spike Result	Percent Recovered
1,2-Dichloroethane-d4	10	10.4	104
Toluene-d8	10	9.8	98
4-Bromofluorobenzene	10	10.4	104

Comments:

Flags:
BQL = Below Quantitation Limits.
J = Detected below the quantitation limit.

Reviewed By:

SGS ENVIRONMENTAL SERVICES, INC.

SGS Environmental Services

LABORATORY CONTROL SAMPLE VOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: SGS Environmental

Lab Code: NC00919 Case No.: SAS No.: SDG No:

Matrix: (soil/water) Water Lab Sample ID: LCS3070507a

Sample wt/vol: 5.00 (mL) Lab File ID: 0705304.D

Level: (low/med) NA

% Moisture: not dec. NA Date Analyzed: 2007-07-05 11:00

GC Column: DB-624 ID: 0.2 (mm) Dilution Factor: 1

Soil Extract Volume: NA Soil Aliquot Volume: NA

CAS NO.	COMPOUND	SPIKE AMT (µg/L)	SAMP CONC (µg/L)	% REC #	QC LIMITS
71-43-2	benzene	5.00	4.24	84.8	77.4-123
108-90-7	chlorobenzene	5.00	4.66	93.2	72.5-128
75-35-4	1,1-dichloroethene	5.00	4.51	90.2	71.7-128
108-88-3	toluene	5.00	4.42	88.4	75.9-124
79-01-6	trichloroethene	5.00	4.57	91.4	77.9-122

System Monitoring Compound Results		Spike Added (µg/L)	Spike Result (µg/L)	Percent Rec. (%)	Percent Recovery (%)
460-00-4	4-Bromofluorobenzene	10	10.0	103	84.7 - 115
17060-07-0	1,2-Dichloroethane-d4	10	10.0	106	63.5 - 140
2037-26-5	Toluene-d8	10	9.94	99.0	81.8 - 117

SGS ENVIRONMENTAL SERVICES, INC.

SGS Environmental Services

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: SGS Environmental Contract:

Lab Code: NC00919 Case No.: SAS No.: SDG No.:

Matrix Spike - EPA Sample No.: g108-1769-4a Dilution: 40

Filenames: 0705320.D, 0705322.D, 0705323.D

COMPOUND	SAMPLE CONC (µg/L)	MS SPIKE (µg/L)	MS CONC (µg/L)	MS % REC #	MSD SPIKE (µg/L)	MSD CONC (µg/L)	MSD % REC #	% RPD	QC LIMITS RPD	QC LIMITS REC
benzene	BQL	200	204	102	200	220	110	7.56	30	61.6-135
chlorobenzene	BQL	200	208	104	200	225	113	7.75	30	77.2-118
1,1-dichloroethene	BQL	200	221	110	200	228	114	3.38	30	64.4-130
toluene	BQL	200	204	102	200	224	112	8.97	30	66.4-128
trichloroethene	BQL	200	207	103	200	218	109	5.27	30	84.9-136

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

COMMENTS: _____

SGS ENVIRONMENTAL SERVICES, INC.

Results for Metals

Client Sample ID:	MW-1A	Analyzed By:	AEC
Client Project ID:	Edgecombe County Landfill	Date Collected:	6/27/2007 14:10
Lab Sample ID:	G108-1769-1	Date Received:	6/29/2007
Lab Project ID:	G108-1769	Matrix:	WATER
Batch ID:	8551 8558		

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00650	0.00562	1	MG/L	6010B	7/12/2007	
Arsenic	BQL	0.00750	0.00185	1	MG/L	6010B	7/12/2007	B
Barium	**0.141**	0.0600	0.00512	1	MG/L	6010B	7/12/2007	
Beryllium	BQL	0.0100	0.00247	10	MG/L	6020	7/3/2007	
Cadmium	BQL	0.0100	0.000332	10	MG/L	6020	7/3/2007	
Chromium	BQL	0.00750	0.00115	1	MG/L	6010B	7/12/2007	B
Cobalt	**0.00556**	0.0100	0.00315	1	MG/L	6010B	7/11/2007	JB
Copper	**0.00304**	0.00750	0.00167	1	MG/L	6010B	7/11/2007	J
Lead	BQL	0.00650	0.00358	1	MG/L	6010B	7/12/2007	B
Nickel	**0.0220**	0.0300	0.00474	1	MG/L	6010B	7/11/2007	JB
Selenium	**0.00814**	0.0100	0.00730	1	MG/L	6010B	7/12/2007	J
Silver	BQL	0.00750	0.000812	1	MG/L	6010B	7/12/2007	B
Thallium	BQL	0.0550	0.00521	1	MG/L	6010B	7/12/2007	
Vanadium	**0.00622**	0.0250	0.00450	1	MG/L	6010B	7/11/2007	JB
Zinc	**0.0117**	0.0100	0.00399	1	MG/L	6010B	7/12/2007	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By:
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SGS ENVIRONMENTAL SERVICES, INC.

Results for Metals

Client Sample ID:	MW-3A	Analyzed By:	AEC
Client Project ID:	Edgecombe County Landfill	Date Collected:	6/27/2007 15:55
Lab Sample ID:	G108-1769-2	Date Received:	6/29/2007
Lab Project ID:	G108-1769	Matrix:	WATER
Batch ID:	8551 8558		

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00650	0.00562	1	MG/L	6010B	7/12/2007	
Arsenic	BQL	0.00750	0.00185	1	MG/L	6010B	7/12/2007	B
Barium	**0.144**	0.0600	0.00512	1	MG/L	6010B	7/12/2007	
Beryllium	BQL	0.0100	0.00247	10	MG/L	6020	7/3/2007	
Cadmium	BQL	0.0100	0.000332	10	MG/L	6020	7/3/2007	
Chromium	BQL	0.00750	0.00115	1	MG/L	6010B	7/12/2007	B
Cobalt	**0.0217**	0.0100	0.00315	1	MG/L	6010B	7/11/2007	B
Copper	**0.00209**	0.00750	0.00167	1	MG/L	6010B	7/11/2007	J
Lead	BQL	0.00650	0.00358	1	MG/L	6010B	7/12/2007	B
Nickel	**0.0234**	0.0300	0.00474	1	MG/L	6010B	7/11/2007	JB
Selenium	**0.00858**	0.0100	0.00730	1	MG/L	6010B	7/12/2007	J
Silver	BQL	0.00750	0.000812	1	MG/L	6010B	7/12/2007	B
Thallium	BQL	0.0550	0.00521	1	MG/L	6010B	7/12/2007	
Vanadium	**0.00890**	0.0250	0.00450	1	MG/L	6010B	7/11/2007	JB
Zinc	**0.0233**	0.0100	0.00399	1	MG/L	6010B	7/12/2007	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By:
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Results for Metals

Client Sample ID:	MW-4	Analyzed By:	AEC
Client Project ID:	Edgecombe County Landfill	Date Collected:	6/27/2007 15:00
Lab Sample ID:	G108-1769-3	Date Received:	6/29/2007
Lab Project ID:	G108-1769	Matrix:	WATER
Batch ID:	8551 8558		

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00650	0.00562	1	MG/L	6010B	7/12/2007	
Arsenic	BQL	0.00750	0.00185	1	MG/L	6010B	7/12/2007	B
Barium	**0.0608**	0.0600	0.00512	1	MG/L	6010B	7/12/2007	
Beryllium	BQL	0.0100	0.00247	10	MG/L	6020	7/3/2007	
Cadmium	BQL	0.0100	0.000332	10	MG/L	6020	7/3/2007	
Chromium	**0.00117**	0.00750	0.00115	1	MG/L	6010B	7/12/2007	JB
Cobalt	**0.00397**	0.0100	0.00315	1	MG/L	6010B	7/11/2007	JB
Copper	**0.00277**	0.00750	0.00167	1	MG/L	6010B	7/11/2007	J
Lead	BQL	0.00650	0.00358	1	MG/L	6010B	7/12/2007	B
Nickel	BQL	0.0300	0.00474	1	MG/L	6010B	7/11/2007	B
Selenium	**0.00930**	0.0100	0.00730	1	MG/L	6010B	7/12/2007	J
Silver	BQL	0.00750	0.000812	1	MG/L	6010B	7/12/2007	B
Thallium	BQL	0.0550	0.00521	1	MG/L	6010B	7/12/2007	
Vanadium	**0.00777**	0.0250	0.00450	1	MG/L	6010B	7/11/2007	JB
Zinc	**0.00844**	0.0100	0.00399	1	MG/L	6010B	7/12/2007	J

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

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Results for Metals

Client Sample ID:	MW-5	Analyzed By:	AEC
Client Project ID:	Edgecombe County Landfill	Date Collected:	6/26/2007 15:25
Lab Sample ID:	G108-1769-4	Date Received:	6/29/2007
Lab Project ID:	G108-1769	Matrix:	WATER
Batch ID:	8551 8558		

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00650	0.00562	1	MG/L	6010B	7/12/2007	
Arsenic	**0.0241**	0.00750	0.00185	1	MG/L	6010B	7/12/2007	B
Barium	**0.204**	0.0600	0.00512	1	MG/L	6010B	7/12/2007	
Beryllium	BQL	0.0100	0.00247	10	MG/L	6020	7/3/2007	
Cadmium	BQL	0.0100	0.000332	10	MG/L	6020	7/3/2007	
Chromium	**0.0112**	0.00750	0.00115	1	MG/L	6010B	7/12/2007	B
Cobalt	**0.131**	0.0100	0.00315	1	MG/L	6010B	7/11/2007	B
Copper	**0.00331**	0.00750	0.00167	1	MG/L	6010B	7/11/2007	J
Lead	**0.0121**	0.00650	0.00358	1	MG/L	6010B	7/12/2007	B
Nickel	**0.0403**	0.0300	0.00474	1	MG/L	6010B	7/11/2007	B
Selenium	**0.0126**	0.0100	0.00730	1	MG/L	6010B	7/12/2007	
Silver	**0.00676**	0.00750	0.000812	1	MG/L	6010B	7/12/2007	JB
Thallium	**0.00564**	0.0550	0.00521	1	MG/L	6010B	7/12/2007	J
Vanadium	**0.00962**	0.0250	0.00450	1	MG/L	6010B	7/11/2007	JB
Zinc	**0.0557**	0.0100	0.00399	1	MG/L	6010B	7/12/2007	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

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Results for Metals

Client Sample ID:	MW-6	Analyzed By:	AEC
Client Project ID:	Edgecombe County Landfill	Date Collected:	6/27/2007 10:10
Lab Sample ID:	G108-1769-5	Date Received:	6/29/2007
Lab Project ID:	G108-1769	Matrix:	WATER
Batch ID:	8551 8558		

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00650	0.00562	1	MG/L	6010B	7/12/2007	
Arsenic	BQL	0.00750	0.00185	1	MG/L	6010B	7/12/2007	B
Barium	**0.137**	0.0600	0.00512	1	MG/L	6010B	7/12/2007	
Beryllium	BQL	0.0100	0.00247	10	MG/L	6020	7/3/2007	
Cadmium	BQL	0.0100	0.000332	10	MG/L	6020	7/3/2007	
Chromium	**0.00257**	0.00750	0.00115	1	MG/L	6010B	7/12/2007	JB
Cobalt	**0.00516**	0.0100	0.00315	1	MG/L	6010B	7/11/2007	JB
Copper	**0.00249**	0.00750	0.00167	1	MG/L	6010B	7/11/2007	J
Lead	BQL	0.00650	0.00358	1	MG/L	6010B	7/12/2007	B
Nickel	BQL	0.0300	0.00474	1	MG/L	6010B	7/11/2007	B
Selenium	BQL	0.0100	0.00730	1	MG/L	6010B	7/12/2007	
Silver	BQL	0.00750	0.000812	1	MG/L	6010B	7/12/2007	B
Thallium	BQL	0.0550	0.00521	1	MG/L	6010B	7/12/2007	
Vanadium	**0.0108**	0.0250	0.00450	1	MG/L	6010B	7/11/2007	JB
Zinc	**0.00655**	0.0100	0.00399	1	MG/L	6010B	7/12/2007	J

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

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Results for Metals

Client Sample ID:	MW-7A	Analyzed By:	AEC
Client Project ID:	Edgecombe County Landfill	Date Collected:	6/26/2007 16:35
Lab Sample ID:	G108-1769-6	Date Received:	6/29/2007
Lab Project ID:	G108-1769	Matrix:	WATER
Batch ID:	8551 8558		

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00650	0.00562	1	MG/L	6010B	7/12/2007	
Arsenic	**0.00889**	0.00750	0.00185	1	MG/L	6010B	7/12/2007	B
Barium	**0.152**	0.0600	0.00512	1	MG/L	6010B	7/12/2007	
Beryllium	BQL	0.0100	0.00247	10	MG/L	6020	7/3/2007	
Cadmium	BQL	0.0100	0.000332	10	MG/L	6020	7/3/2007	
Chromium	**0.00197**	0.00750	0.00115	1	MG/L	6010B	7/12/2007	JB
Cobalt	**0.00411**	0.0100	0.00315	1	MG/L	6010B	7/11/2007	JB
Copper	**0.00339**	0.00750	0.00167	1	MG/L	6010B	7/11/2007	J
Lead	**0.00420**	0.00650	0.00358	1	MG/L	6010B	7/12/2007	JB
Nickel	BQL	0.0300	0.00474	1	MG/L	6010B	7/11/2007	B
Selenium	BQL	0.0100	0.00730	1	MG/L	6010B	7/12/2007	
Silver	BQL	0.00750	0.000812	1	MG/L	6010B	7/12/2007	B
Thallium	BQL	0.0550	0.00521	1	MG/L	6010B	7/12/2007	
Vanadium	**0.00556**	0.0250	0.00450	1	MG/L	6010B	7/11/2007	JB
Zinc	BQL	0.0100	0.00399	1	MG/L	6010B	7/12/2007	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By:
MET_LIMS_4.2 XLS

SGS ENVIRONMENTAL SERVICES, INC.

Results for Metals

Client Sample ID:	MW-9	Analyzed By:	AEC
Client Project ID:	Edgecombe County Landfill	Date Collected:	6/27/2007 11:05
Lab Sample ID:	G108-1769-7	Date Received:	6/29/2007
Lab Project ID:	G108-1769	Matrix:	WATER
Batch ID:	8551 8558		

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00650	0.00562	1	MG/L	6010B	7/12/2007	
Arsenic	BQL	0.00750	0.00185	1	MG/L	6010B	7/12/2007	B
Barium	**0.175**	0.0600	0.00512	1	MG/L	6010B	7/12/2007	
Beryllium	BQL	0.0100	0.00247	10	MG/L	6020	7/3/2007	
Cadmium	BQL	0.0100	0.000332	10	MG/L	6020	7/3/2007	
Chromium	BQL	0.00750	0.00115	1	MG/L	6010B	7/12/2007	B
Cobalt	**0.00352**	0.0100	0.00315	1	MG/L	6010B	7/11/2007	JB
Copper	**0.00214**	0.00750	0.00167	1	MG/L	6010B	7/11/2007	J
Lead	BQL	0.00650	0.00358	1	MG/L	6010B	7/12/2007	B
Nickel	BQL	0.0300	0.00474	1	MG/L	6010B	7/11/2007	B
Selenium	BQL	0.0100	0.00730	1	MG/L	6010B	7/12/2007	
Silver	BQL	0.00750	0.000812	1	MG/L	6010B	7/12/2007	B
Thallium	BQL	0.0550	0.00521	1	MG/L	6010B	7/12/2007	
Vanadium	**0.00571**	0.0250	0.00450	1	MG/L	6010B	7/11/2007	JB
Zinc	BQL	0.0100	0.00399	1	MG/L	6010B	7/12/2007	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By:
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SGS ENVIRONMENTAL SERVICES, INC.

Results for Metals

Client Sample ID:	Equipment Blank	Analyzed By:	AEC
Client Project ID:	Edgecombe County Landfill	Date Collected:	6/27/2007 16:55
Lab Sample ID:	G108-1769-8	Date Received:	6/29/2007
Lab Project ID:	G108-1769	Matrix:	WATER
Batch ID:	8551		

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00650	0.00562	1	MG/L	6010B	7/12/2007	
Arsenic	BQL	0.00750	0.00185	1	MG/L	6010B	7/12/2007	B
Barium	**0.0632**	0.0600	0.00512	1	MG/L	6010B	7/12/2007	
Beryllium	BQL	0.0100	0.00247	10	MG/L	6020	7/3/2007	
Cadmium	BQL	0.0100	0.000332	10	MG/L	6020	7/3/2007	
Chromium	BQL	0.00750	0.00115	1	MG/L	6010B	7/12/2007	B
Cobalt	**0.00422**	0.0100	0.00315	1	MG/L	6010B	7/11/2007	J
Copper	**0.00291**	0.00750	0.00167	1	MG/L	6010B	7/12/2007	JB
Lead	BQL	0.00650	0.00358	1	MG/L	6010B	7/12/2007	
Nickel	**0.00653**	0.0300	0.00474	1	MG/L	6010B	7/11/2007	J
Selenium	BQL	0.0100	0.00730	1	MG/L	6010B	7/12/2007	
Silver	BQL	0.00750	0.000812	1	MG/L	6010B	7/12/2007	B
Thallium	BQL	0.0550	0.00521	1	MG/L	6010B	7/12/2007	
Vanadium	**0.00747**	0.0250	0.00450	1	MG/L	6010B	7/11/2007	JB
Zinc	**0.00876**	0.0100	0.00399	1	MG/L	6010B	7/12/2007	J

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By:
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SGS ENVIRONMENTAL SERVICES, INC.

Results for Metals

Client Sample ID:	DUPLICATE	Analyzed By:	AEC
Client Project ID:	Edgecombe County Landfill	Date Collected:	6/27/2007 00:00
Lab Sample ID:	G108-1769-10	Date Received:	6/29/2007
Lab Project ID:	G108-1769	Matrix:	WATER
Batch ID:	8551 8558		

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00650	0.00562	1	MG/L	6010B	7/12/2007	
Arsenic	BQL	0.00750	0.00185	1	MG/L	6010B	7/12/2007	B
Barium	**0.142**	0.0600	0.00512	1	MG/L	6010B	7/12/2007	
Beryllium	BQL	0.0100	0.00247	10	MG/L	6020	7/3/2007	
Cadmium	BQL	0.0100	0.000332	10	MG/L	6020	7/3/2007	
Chromium	BQL	0.00750	0.00115	1	MG/L	6010B	7/12/2007	B
Cobalt	**0.0231**	0.0100	0.00315	1	MG/L	6010B	7/11/2007	B
Copper	**0.00276**	0.00750	0.00167	1	MG/L	6010B	7/12/2007	J
Lead	BQL	0.00650	0.00358	1	MG/L	6010B	7/12/2007	B
Nickel	**0.0218**	0.0300	0.00474	1	MG/L	6010B	7/11/2007	JB
Selenium	BQL	0.0100	0.00730	1	MG/L	6010B	7/12/2007	
Silver	BQL	0.00750	0.000812	1	MG/L	6010B	7/12/2007	B
Thallium	BQL	0.0550	0.00521	1	MG/L	6010B	7/12/2007	
Vanadium	**0.00795**	0.0250	0.00450	1	MG/L	6010B	7/11/2007	JB
Zinc	**0.0220**	0.0100	0.00399	1	MG/L	6010B	7/12/2007	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By:
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SGS ENVIRONMENTAL SERVICES, INC.

Results for Metals

Client Sample ID:	Lab Blank	Analyzed By:	AEC
Client Project ID:		Date Collected:	
Lab Sample ID:	pb8551	Date Received:	
Lab Project ID:		Matrix:	WATER
Batch ID:	8551		

Metals	Result	SWSL	MDL	DF	Units	Method	Date Analyzed	Flags
Antimony	BQL	0.00650	0.00562	1	MG/L	6010B	7/3/2007	
Arsenic	**0.00518**	0.00750	0.00185	1	MG/L	6010B	7/11/2007	J
Barium	BQL	0.0600	0.00512	1	MG/L	6010B	7/3/2007	
Beryllium	BQL	0.0100	0.00247	10	MG/L	6020	7/3/2007	
Cadmium	BQL	0.0100	0.000332	10	MG/L	6020	7/3/2007	
Chromium	**0.00203**	0.00750	0.00115	1	MG/L	6010B	7/3/2007	J
Cobalt	BQL	0.0100	0.00315	1	MG/L	6010B	7/11/2007	
Copper	**0.00241**	0.00750	0.00167	1	MG/L	6010B	7/11/2007	J
Lead	BQL	0.00650	0.00358	1	MG/L	6010B	7/11/2007	
Nickel	BQL	0.0300	0.00474	1	MG/L	6010B	7/11/2007	
Selenium	BQL	0.0100	0.00730	1	MG/L	6010B	7/3/2007	
Silver	**0.00212**	0.00750	0.000812	1	MG/L	6010B	7/3/2007	J
Thallium	BQL	0.0550	0.00521	1	MG/L	6010B	7/3/2007	
Vanadium	**0.00804**	0.0250	0.00450	1	MG/L	6010B	7/3/2007	J
Zinc	BQL	0.0100	0.00399	1	MG/L	6010B	7/3/2007	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

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METALS Results for LCS/LCD

ICP Batch: 8551
HG Batch:
Other:

Matrix: WATER
Units: MG/L

Analyte	TRUE Value	LCS	LCS %REC	LCD	LCD %REC	Limit Lower	Limit Upper	RPD	RPD Limit
Antimony	0.400	0.381	95.3	0.378	94.5	80	120	0.791	20
Arsenic	0.400	0.362	90.5	0.375	93.8	80	120	3.53	20
Barium	2.00	2.04	102	2.02	101	80	120	0.985	20
Beryllium	0.400	0.390	97.5	0.382	95.5	80	120	2.07	20
Cadmium	0.400	0.379	94.7	0.380	95.0	80	120	0.264	20
Chromium	0.400	0.412	103	0.409	102	80	120	0.731	20
Cobalt	0.400	0.361	90.2	0.373	93.3	80	120	3.27	20
Copper	0.400	0.389	97.3	0.392	98.0	80	120	0.768	20
Lead	0.400	0.357	89.3	0.366	91.5	80	120	2.49	20
Nickel	0.400	0.370	92.5	0.374	93.5	80	120	1.08	20
Selenium	0.400	0.368	92.0	0.364	91.0	80	120	1.09	20
Silver	0.400	0.352	88.0	0.349	87.2	80	120	0.856	20
Thallium	0.400	0.377	94.3	0.381	95.3	80	120	1.06	20
Vanadium	0.400	0.403	101	0.400	100	80	120	0.747	20
Zinc	0.400	0.383	95.8	0.382	95.5	80	120	0.261	20

Reviewed By:

SGS ENVIRONMENTAL SERVICES, INC.

MS/MSD Results for METALS

Lab ID: G175-599-1
MS Lab ID: G175-599-1
MSD Lab ID: G175-599-1
ICP Batch: 8551
HG Batch: 8558
Other:

Analyzed By: AEC
Matrix: Water
Units: MG/L

Analyte	Sample Result	SA MS	MS Result	MS %REC	SA MSD	MSD Result	MSD %REC		Limit Lower	Limit Upper	RPD	RPD Limit
Antimony	BQL	0.400	0.330	82.5	0.400	0.303	75.7		75	125	8.53	20
Arsenic	0.00771	0.400	0.388	95.1	0.400	0.418	103		75	125	7.44	20
Barium	0.446	2.00	2.10	82.7	2.00	1.95	75.2		75	125	7.41	20
Beryllium	BQL	0.400	0.346	86.5	0.400	0.308	77.0		75	125	11.6	20
Cadmium	BQL	0.400	0.332	83.0	0.400	0.310	77.5		75	125	6.85	20
Chromium	BQL	0.400	0.346	86.5	0.400	0.323	80.8		75	125	6.88	20
Cobalt	BQL	0.400	0.378	94.5	0.400	0.405	101		75	125	6.90	20
Copper	0.0192	0.400	0.442	106	0.400	0.484	116		75	125	9.07	20
Lead	0.00684	0.400	0.382	93.8	0.400	0.408	100		75	125	6.58	20
Nickel	BQL	0.400	0.386	96.5	0.400	0.419	105		75	125	8.20	20
Selenium	BQL	0.400	0.324	81.0	0.400	0.295	73.8	*	75	125	9.37	20
Silver	BQL	0.400	0.311	77.8	0.400	0.286	71.5	*	75	125	8.38	20
Thallium	BQL	0.400	0.319	79.8	0.400	0.297	74.3	*	75	125	7.14	20
Vanadium	BQL	0.400	0.351	87.7	0.400	0.324	81.0		75	125	8.00	20
Zinc	BQL	0.400	0.346	86.5	0.400	0.319	79.7		75	125	8.12	20

Comments

*=Out of Limits
NA = Not applicable, due to sample concentration greater than three times spike concentration

Reviewed By:

SGS ENVIRONMENTAL SERVICES, INC.

Results for Metals

Client Sample ID:	MW-1A	Analyzed By:	AEC
Client Project ID:	Edgecombe County Landfill	Date Collected:	6/27/2007 14:10
Lab Sample ID:	G108-1769-1	Date Received:	6/29/2007
Lab Project ID:	G108-1769	Matrix:	WATER
Batch ID:	8551 8558		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Calcium	**89.9**	10.0	1.25	100	MG/L	6010B	7/13/2007	B
Iron	**6.36**	1.00	0.180	10	MG/L	6010B	7/12/2007	B
Magnesium	**14.2**	1.00	0.295	10	MG/L	6010B	7/12/2007	B
Mercury	BQL	0.000285	0.000037	1	MG/L	7470	7/3/2007	B
Potassium	**11.2**	2.00	0.137	10	MG/L	6010B	7/12/2007	B
Sodium	**25.1**	2.00	0.364	10	MG/L	6010B	7/12/2007	B

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By:
MET_LIMS_4.2.XLS

SGS ENVIRONMENTAL SERVICES, INC.

Results for Metals

Client Sample ID:	MW-3A	Analyzed By:	AEC
Client Project ID:	Edgecombe County Landfill	Date Collected:	6/27/2007 15:55
Lab Sample ID:	G108-1769-2	Date Received:	6/29/2007
Lab Project ID:	G108-1769	Matrix:	WATER
Batch ID:	8551 8558		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Calcium	**22.1**	1.00	0.125	10	MG/L	6010B	7/12/2007	B
Iron	**1.22**	0.100	0.0180	1	MG/L	6010B	7/12/2007	B
Magnesium	**7.92**	1.00	0.295	10	MG/L	6010B	7/12/2007	B
Mercury	**0.000072**	0.000285	0.000037	1	MG/L	7470	7/3/2007	JB
Potassium	**7.48**	2.00	0.137	10	MG/L	6010B	7/12/2007	B
Sodium	**4.98**	0.200	0.0364	1	MG/L	6010B	7/11/2007	B

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By:
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SGS ENVIRONMENTAL SERVICES, INC.

Results for Metals

Client Sample ID:	MW-4	Analyzed By:	AEC
Client Project ID:	Edgecombe County Landfill	Date Collected:	6/27/2007 15:00
Lab Sample ID:	G108-1769-3	Date Received:	6/29/2007
Lab Project ID:	G108-1769	Matrix:	WATER
Batch ID:	8551 8558		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Calcium	**3.85**	0.100	0.0125	1	MG/L	6010B	7/12/2007	B
Iron	**0.676**	0.100	0.0180	1	MG/L	6010B	7/12/2007	B
Magnesium	**1.05**	0.100	0.0295	1	MG/L	6010B	7/12/2007	B
Mercury	**0.000067**	0.000285	0.000037	1	MG/L	7470	7/3/2007	JB
Potassium	**2.13**	0.200	0.0137	1	MG/L	6010B	7/11/2007	B
Sodium	**4.29**	0.200	0.0364	1	MG/L	6010B	7/11/2007	B

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By:
MET_LIMS_4.2.XLS

SGS ENVIRONMENTAL SERVICES, INC.

Results for Metals

Client Sample ID:	MW-5	Analyzed By:	AEC
Client Project ID:	Edgecombe County Landfill	Date Collected:	6/26/2007 15:25
Lab Sample ID:	G108-1769-4	Date Received:	6/29/2007
Lab Project ID:	G108-1769	Matrix:	WATER
Batch ID:	8551 8558		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Calcium	**142**	10.0	1.25	100	MG/L	6010B	7/12/2007	B
Iron	**93.0**	10.0	1.80	100	MG/L	6010B	7/12/2007	B
Magnesium	**15.8**	1.00	0.295	10	MG/L	6010B	7/12/2007	B
Mercury	BQL	0.000285	0.000037	1	MG/L	7470	7/3/2007	B
Potassium	**2.52**	0.200	0.0137	1	MG/L	6010B	7/11/2007	B
Sodium	**8.33**	2.00	0.364	10	MG/L	6010B	7/12/2007	B

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By:
MET_LIMS_4 2 XLS

SGS ENVIRONMENTAL SERVICES, INC.

Results for Metals

Client Sample ID:	MW-6	Analyzed By:	AEC
Client Project ID:	Edgecombe County Landfill	Date Collected:	6/27/2007 10:10
Lab Sample ID:	G108-1769-5	Date Received:	6/29/2007
Lab Project ID:	G108-1769	Matrix:	WATER
Batch ID:	8551 8558		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Calcium	**42.2**	1.00	0.125	10	MG/L	6010B	7/12/2007	B
Iron	**20.4**	1.00	0.180	10	MG/L	6010B	7/12/2007	B
Magnesium	**4.26**	0.100	0.0295	1	MG/L	6010B	7/12/2007	B
Mercury	**0.000060**	0.000285	0.000037	1	MG/L	7470	7/3/2007	JB
Potassium	**2.78**	0.200	0.0137	1	MG/L	6010B	7/11/2007	B
Sodium	**7.84**	2.00	0.364	10	MG/L	6010B	7/12/2007	B

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

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MET_LIMS_4 2 XLS

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Results for Metals

Client Sample ID:	MW-7A	Analyzed By:	AEC
Client Project ID:	Edgecombe County Landfill	Date Collected:	6/26/2007 16:35
Lab Sample ID:	G108-1769-6	Date Received:	6/29/2007
Lab Project ID:	G108-1769	Matrix:	WATER
Batch ID:	8551 8558		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Calcium	**136**	10.0	1.25	100	MG/L	6010B	7/12/2007	B
Iron	**50.7**	10.0	1.80	100	MG/L	6010B	7/12/2007	B
Magnesium	**10.9**	1.00	0.295	10	MG/L	6010B	7/12/2007	B
Mercury	**0.000043**	0.000285	0.000037	1	MG/L	7470	7/3/2007	JB
Potassium	**2.13**	0.200	0.0137	1	MG/L	6010B	7/11/2007	B
Sodium	**12.4**	2.00	0.364	10	MG/L	6010B	7/12/2007	B

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By:
MET_LIMS_4 2.XLS

Results for Metals

Client Sample ID:	MW-9	Analyzed By:	AEC
Client Project ID:	Edgecombe County Landfill	Date Collected:	6/27/2007 11:05
Lab Sample ID:	G108-1769-7	Date Received:	6/29/2007
Lab Project ID:	G108-1769	Matrix:	WATER
Batch ID:	8551 8558		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Calcium	**33.2**	1.00	0.125	10	MG/L	6010B	7/12/2007	B
Iron	**10.3**	1.00	0.180	10	MG/L	6010B	7/12/2007	B
Magnesium	**4.65**	0.100	0.0295	1	MG/L	6010B	7/12/2007	B
Mercury	**0.000067**	0.000285	0.000037	1	MG/L	7470	7/3/2007	JB
Potassium	**2.29**	0.200	0.0137	1	MG/L	6010B	7/11/2007	B
Sodium	**10.7**	2.00	0.364	10	MG/L	6010B	7/12/2007	B

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By:
MET_LIMS_4.2.XLS

SGS ENVIRONMENTAL SERVICES, INC.

Results for Metals

Client Sample ID:	DUPLICATE	Analyzed By:	AEC
Client Project ID:	Edgecombe County Landfill	Date Collected:	6/27/2007 00:00
Lab Sample ID:	G108-1769-10	Date Received:	6/29/2007
Lab Project ID:	G108-1769	Matrix:	WATER
Batch ID:	8551 8558		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Calcium	**21.0**	1.00	0.125	10	MG/L	6010B	7/12/2007	B
Iron	**1.21**	0.100	0.0180	1	MG/L	6010B	7/12/2007	B
Magnesium	**7.91**	1.00	0.295	10	MG/L	6010B	7/12/2007	B
Mercury	**0.000069**	0.000285	0.000037	1	MG/L	7470	7/3/2007	JB
Potassium	**7.01**	2.00	0.137	10	MG/L	6010B	7/12/2007	B
Sodium	**4.89**	0.200	0.0364	1	MG/L	6010B	7/11/2007	B

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

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MET_LIMS_4.2.XLS

Results for Metals

Client Sample ID:	Lab Blank	Analyzed By:	AEC
Client Project ID:		Date Collected:	
Lab Sample ID:	pb8551	Date Received:	
Lab Project ID:		Matrix:	WATER
Batch ID:	8551		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Calcium	**0.0148**	0.100	0.0125	1	MG/L	6010B	7/11/2007	J
Iron	**0.0210**	0.100	0.0180	1	MG/L	6010B	7/11/2007	J
Magnesium	BQL	0.100	0.0295	1	MG/L	6010B	7/11/2007	
Potassium	**0.0144**	0.200	0.0137	1	MG/L	6010B	7/11/2007	J
Sodium	BQL	0.200	0.0364	1	MG/L	6010B	7/11/2007	

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By:
MET_LIMS_4.2.XLS

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Results for Metals

Client Sample ID:	Lab Blank	Analyzed By:	AEC
Client Project ID:		Date Collected:	
Lab Sample ID:	pb8558	Date Received:	
Lab Project ID:		Matrix:	WATER
Batch ID:	8558		

Metals	Result	RL	MDL	DF	Units	Method	Date Analyzed	Flags
Mercury	**0.000058**	0.000285	0.000037	1	MG/L	7470	7/3/2007	J

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
J = Between MDL and RL
B= Amount in Prep Blank > MDL

Reviewed By:
MET_LIMS_4.2.XLS

SGS ENVIRONMENTAL SERVICES, INC.

METALS Results for LCS/LCD

ICP Batch: 8551
HG Batch: 8558
Other:

Matrix: WATER
Units: MG/L

Analyte	TRUE Value	LCS	LCS %REC	LCD	LCD %REC	Limit Lower	Limit Upper	RPD	RPD Limit
Aluminum	2.00	1.84	92.0	1.89	94.5	80	120	2.68	20
Calcium	2.00	1.86	93.0	1.89	94.5	80	120	1.60	20
Iron	2.00	1.85	92.5	1.92	96.0	80	120	3.71	20
Magnesuim	2.00	1.86	93.0	1.90	95.0	80	120	2.13	20
Mercury	0.00712	0.00761	107	0.00635	89.2	80	120	18.1	20
Potassium	2.00	1.81	90.5	1.88	94.0	80	120	3.79	20
Sodium	2.00	1.84	92.0	1.91	95.5	80	120	3.73	20

Reviewed By:

SGS ENVIRONMENTAL SERVICES, INC.

MS/MSD Results for METALS

Lab ID: G175-599-1
MS Lab ID: G175-599-1
MSD Lab ID: G175-599-1
ICP Batch: 8551
HG Batch: 8558
Other:

Analyzed By: AEC
Matrix: Water
Units: MG/L

Analyte	Sample Result	SA MS	MS Result	MS %REC		SA MSD	MSD Result	MSD %REC		Limit Lower	Limit Upper	RPD		RPD Limit
Aluminum	BQL	2.00	1.91	95.5		2.00	2.05	103		75	125	7.07		20
Calcium	46.5	2.00	50.5	NA		2.00	51.2	NA		75	125	1.38		20
Iron	13.8	2.00	17.5	NA		2.00	18.2	NA		75	125	3.92		20
Magnesium	38.1	2.00	44.4	NA		2.00	45.8	NA		75	125	3.10		20
Mercury	BQL	0.00712	0.00423	59.4	*	0.00712	0.00416	58.4	*	85	115	1.67		20
Potassium	82.9	2.00	88.3	NA		2.00	86.0	NA		75	125	2.64		20
Sodium	319	2.00	328	NA		2.00	332	NA		75	125	1.21		20

Comments

*=Out of Limits
NA = Not applicable, due to sample concentration greater than three times spike concentration

Reviewed By:

SGS ENVIRONMENTAL SERVICES, INC.

Analytical Results

Client Sample ID:	MW-1A	Date Collected:	6/27/2007
Client Project ID:	Edgecombe County Landfill	Date Received:	6/29/2007
Lab Sample ID:	G108-1769-1	Matrix:	Water
Lab Project ID:	G108-1769		

Analyte	Result	RL	Units	Method	Date Analyzed	Analyst
Alkalinity	**150**	2.0	mg/L	EPA 310.1	7/5/2007	Envirochem
Ammonia	**0.2**	0.1	mg/L	SM4500 NH3-F	7/9/2007	Envirochem
BOD	BQL	6.0	mg/L	EPA 405.1	7/3/2007	ENCO
Chloride	**52**	0.1	mg/L	SM4500Cl-B	7/5/2007	Envirochem
COD	**19**	5	mg/L	SM 5220	7/2/2007	Envirochem
Cyanide	BQL	5.0	ug/L	SW9012A	7/10/2007	GEL
Sulfate	**50**	5	mg/L	EPA 375.4	7/9/2007	Envirochem
Sulfide	BQL	0.01	mg/L	SM4500D	7/2/2007	Envirochem
TDS	**328**	2.0	mg/L	EPA 160.1	7/3/2007	Envirochem
TOC	**4.38**	1.0	mg/L	EPA 415.1	7/6/2007	Envirochem

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
RL = Report Limit

Reviewed By: subout

SGS ENVIRONMENTAL SERVICES, INC.

Analytical Results

Client Sample ID:	MW-3A	Date Collected:	6/27/2007
Client Project ID:	Edgecombe County Landfill	Date Received:	6/29/2007
Lab Sample ID:	G108-1769-2	Matrix:	Water
Lab Project ID:	G108-1769		

Analyte	Result	RL	Units	Method	Date Analyzed	Analyst
Alkalinity	BQL	2.0	mg/L	EPA 310.1	7/5/2007	Envirochem
Ammonia	BQL	0.1	mg/L	SM4500 NH3-F	7/9/2007	Envirochem
BOD	BQL	6.0	mg/L	EPA 405.1	7/3/2007	ENCO
Chloride	**30**	0.1	mg/L	SM4500Cl-B	7/5/2007	Envirochem
COD	**7**	5	mg/L	SM 5220	7/2/2007	Envirochem
Cyanide	BQL	5.0	ug/L	SW9012A	7/10/2007	GEL
Sulfate	**61**	5	mg/L	EPA 375.4	7/9/2007	Envirochem
Sulfide	BQL	0.01	mg/L	SM4500D	7/2/2007	Envirochem
TDS	**170**	2.0	mg/L	EPA 160.1	7/3/2007	Envirochem
TOC	**1.67**	1.0	mg/L	EPA 415.1	7/6/2007	Envirochem

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
RL = Report Limit

Reviewed By: subout

SGS ENVIRONMENTAL SERVICES, INC.

Analytical Results

Client Sample ID:	MW-4	Date Collected:	6/27/2007
Client Project ID:	Edgecombe County Landfill	Date Received:	6/29/2007
Lab Sample ID:	G108-1769-3	Matrix:	Water
Lab Project ID:	G108-1769		

Analyte	Result	RL	Units	Method	Date Analyzed	Analyst
Alkalinity	**2**	2.0	mg/L	EPA 310.1	7/5/2007	Envirochem
Ammonia	BQL	0.1	mg/L	SM4500 NH3-F	7/9/2007	Envirochem
BOD	BQL	6.0	mg/L	EPA 405.1	7/3/2007	ENCO
Chloride	**7**	0.1	mg/L	SM4500Cl-B	7/5/2007	Envirochem
COD	**5**	5	mg/L	SM 5220	7/2/2007	Envirochem
Cyanide	BQL	5.0	ug/L	SW9012A	7/10/2007	GEL
Sulfate	**5**	5	mg/L	EPA 375.4	7/9/2007	Envirochem
Sulfide	BQL	0.01	mg/L	SM4500D	7/2/2007	Envirochem
TDS	**54**	2.0	mg/L	EPA 160.1	7/3/2007	Envirochem
TOC	**1.73**	1.0	mg/L	EPA 415.1	7/6/2007	Envirochem

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
RL = Report Limit

Reviewed By: subout

SGS ENVIRONMENTAL SERVICES, INC.

Analytical Results

Client Sample ID:	MW-5	Date Collected:	6/26/2007
Client Project ID:	Edgecombe County Landfill	Date Received:	6/29/2007
Lab Sample ID:	G108-1769-4	Matrix:	Water
Lab Project ID:	G108-1769		

Analyte	Result	RL	Units	Method	Date Analyzed	Analyst
Alkalinity	**436**	2.0	mg/L	EPA 310.1	7/5/2007	Envirochem
Ammonia	BQL	0.1	mg/L	SM4500 NH3-F	7/9/2007	Envirochem
BOD	BQL	6.0	mg/L	EPA 405.1	7/3/2007	ENCO
Chloride	**13**	0.1	mg/L	SM4500Cl-B	7/5/2007	Envirochem
COD	**32**	5	mg/L	SM 5220	7/2/2007	Envirochem
Cyanide	BQL	5.0	ug/L	SW9012A	7/10/2007	GEL
Sulfate	**37**	5	mg/L	EPA 375.4	7/9/2007	Envirochem
Sulfide	BQL	0.01	mg/L	SM4500D	7/2/2007	Envirochem
TDS	**517**	2.0	mg/L	EPA 160.1	7/3/2007	Envirochem
TOC	**4.00**	1.0	mg/L	EPA 415.1	7/6/2007	Envirochem

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
RL = Report Limit

Reviewed By: subout

SGS ENVIRONMENTAL SERVICES, INC.

Analytical Results

Client Sample ID:	MW-6	Date Collected:	6/27/2007
Client Project ID:	Edgecombe County Landfill	Date Received:	6/29/2007
Lab Sample ID:	G108-1769-5	Matrix:	Water
Lab Project ID:	G108-1769		

Analyte	Result	RL	Units	Method	Date Analyzed	Analyst
Alkalinity	**110**	2.0	mg/L	EPA 310.1	7/5/2007	Envirochem
Ammonia	**1.4**	0.1	mg/L	SM4500 NH3-F	7/9/2007	Envirochem
BOD	BQL	6.0	mg/L	EPA 405.1	7/3/2007	ENCO
Chloride	**10**	0.1	mg/L	SM4500Cl-B	7/5/2007	Envirochem
COD	**42**	5	mg/L	SM 5220	7/2/2007	Envirochem
Cyanide	BQL	5.0	ug/L	SW9012A	7/10/2007	GEL
Sulfate	BQL	5	mg/L	EPA 375.4	7/9/2007	Envirochem
Sulfide	BQL	0.01	mg/L	SM4500D	7/2/2007	Envirochem
TDS	**149**	2.0	mg/L	EPA 160.1	7/3/2007	Envirochem
TOC	**8.83**	1.0	mg/L	EPA 415.1	7/6/2007	Envirochem

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
RL = Report Limit

Reviewed By: subout

SGS ENVIRONMENTAL SERVICES, INC.

Analytical Results

Client Sample ID:	MW-7A	Date Collected:	6/26/2007
Client Project ID:	Edgecombe County Landfill	Date Received:	6/29/2007
Lab Sample ID:	G108-1769-6	Matrix:	Water
Lab Project ID:	G108-1769		

Analyte	Result	RL	Units	Method	Date Analyzed	Analyst
Alkalinity	**348**	2.0	mg/L	EPA 310.1	7/5/2007	Envirochem
Ammonia	**0.2**	0.1	mg/L	SM4500 NH3-F	7/9/2007	Envirochem
BOD	BQL	6.0	mg/L	EPA 405.1	7/3/2007	ENCO
Chloride	**10**	0.1	mg/L	SM4500Cl-B	7/5/2007	Envirochem
COD	**17**	5	mg/L	SM 5220	7/2/2007	Envirochem
Cyanide	BQL	5.0	ug/L	SW9012A	7/10/2007	GEL
Sulfate	**31**	5	mg/L	EPA 375.4	7/9/2007	Envirochem
Sulfide	BQL	0.01	mg/L	SM4500D	7/2/2007	Envirochem
TDS	**403**	2.0	mg/L	EPA 160.1	7/3/2007	Envirochem
TOC	**2.49**	1.0	mg/L	EPA 415.1	7/6/2007	Envirochem

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
RL = Report Limit
BOD = Biochemical Oxygen Demand
COD = Chemical Oxygen Demand
TDS = Total Dissolved Solids
TOC = Total Organic Carbon

Reviewed By:

SGS ENVIRONMENTAL SERVICES, INC.

Analytical Results

Client Sample ID:	MW-9	Date Collected:	6/27/2007
Client Project ID:	Edgecombe County Landfill	Date Received:	6/29/2007
Lab Sample ID:	G108-1769-7	Matrix:	Water
Lab Project ID:	G108-1769		

Analyte	Result	RL	Units	Method	Date Analyzed	Analyst
Alkalinity	**98**	2.0	mg/L	EPA 310.1	7/5/2007	Envirochem
Ammonia	BQL	0.1	mg/L	SM4500 NH3-F	7/9/2007	Envirochem
BOD	BQL	6.0	mg/L	EPA 405.1	7/3/2007	ENCO
Chloride	**9**	0.1	mg/L	SM4500Cl-B	7/5/2007	Envirochem
COD	**11**	5	mg/L	SM 5220	7/2/2007	Envirochem
Cyanide	BQL	5.0	ug/L	SW9012A	7/10/2007	GEL
Sulfate	BQL	5	mg/L	EPA 375.4	7/9/2007	Envirochem
Sulfide	BQL	0.01	mg/L	SM4500D	7/2/2007	Envirochem
TDS	**154**	2.0	mg/L	EPA 160.1	7/3/2007	Envirochem
TOC	**1.14**	1.0	mg/L	EPA 415.1	7/6/2007	Envirochem

Comments

BQL = Below Quantitation Limits
DF = Dilution Factor
RL = Report Limit
BOD = Biochemical Oxygen Demand
COD = Chemical Oxygen Demand
TDS = Total Dissolved Solids
TOC = Total Organic Carbon

Reviewed By:

SGS ENVIRONMENTAL SERVICES, INC.

Analytical Results

Client Sample ID:	DUPLICATE	Date Collected:	6/27/2007
Client Project ID:	Edgecombe County Landfill	Date Received:	6/29/2007
Lab Sample ID:	G108-1769-10	Matrix:	Water
Lab Project ID:	G108-1769		

Analyte	Result	RL	Units	Method	Date Analyzed	Analyst
Alkalinity	BQL	2.0	mg/L	EPA 310.1	7/5/2007	Envirochem
Ammonia	BQL	0.1	mg/L	SM4500 NH3-F	7/9/2007	Envirochem
BOD	BQL	6.0	mg/L	EPA 405.1	7/3/2007	ENCO
Chloride	**31**	0.1	mg/L	SM4500Cl-B	7/5/2007	Envirochem
COD	**9**	5	mg/L	SM 5220	7/2/2007	Envirochem
Cyanide	BQL	5.0	ug/L	SW9012A	7/10/2007	GEL
Sulfate	**62**	5	mg/L	EPA 375.4	7/9/2007	Envirochem
Sulfide	BQL	0.01	mg/L	SM4500D	7/2/2007	Envirochem
TDS	**186**	2.0	mg/L	EPA 160.1	7/3/2007	Envirochem
TOC	**1.80**	1.0	mg/L	EPA 415.1	7/6/2007	Envirochem

Comments
BQL = Below Quantitation Limits
DF = Dilution Factor
RL = Report Limit

Reviewed By: _____
subout.xls

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Classical Chemistry Parameters - Quality Control										
Batch 7F28017 - NO PREP										
Blank (7F28017-BLK1)				Prepared: 06/28/2007 13:02 Analyzed: 07/03/2007 08:20						
Biochemical Oxygen Demand	2.0 U	2.0	mg/L							
LCS (7F28017-BS1)				Prepared: 06/28/2007 13:02 Analyzed: 07/03/2007 08:20						
Biochemical Oxygen Demand	210	2.0	mg/L	198		104	82-118			
Duplicate (7F28017-DUP1)		Source: C709211-02		Prepared: 06/28/2007 13:02 Analyzed: 07/03/2007 08:20						
Biochemical Oxygen Demand	2.0 U	2.0	mg/L		2.0 U				25	

GEL LABORATORIES LLC
2040 Savage Road Charleston, SC 29407 - (843) 556-8171 - www.gel.com

QC Summary

Report Date: July 13, 2007
Page 1 of 2

SGS
5500 Business Dr.
Wilmington, North Carolina
Contact: Ms. Lori Lockamy

Workorder: 189029

Parmname	NOM		Sample	Qual	QC	Units	RPD%	REC%	Range	Anlst	Date Time
Flow Injection Analysis											
Batch 649243											
QC1201371437 189079004 DUP											
Cyanide, Total		U	ND	U	ND	ug/L	N/A		(+/-5.00)	KLP1	07/10/07 14:08
QC1201371442 LCS											
Cyanide, Total	50.0				52.3	ug/L		105	(90%-110%)		07/10/07 13:54
QC1201371435 MB											
Cyanide, Total				U	ND	ug/L					07/10/07 13:53
QC1201371440 189079004 MS											
Cyanide, Total	100	U	ND		92.3	ug/L		92	(68%-125%)		07/10/07 14:08

Notes:
The Qualifiers in this report are defined as follows:

- ** Analyte is a surrogate compound
- < Result is less than value reported
- > Result is greater than value reported
- A The TIC is a suspected aldol-condensation product
- B For General Chemistry and Organic analysis the target analyte was detected in the associated blank.
- C Analyte has been confirmed by GC/MS analysis
- D Results are reported from a diluted aliquot of the sample
- H Analytical holding time was exceeded
- J Value is estimated
- N/A RPD or %Recovery limits do not apply.
- ND Analyte concentration is not detected above the detection limit
- R Sample results are rejected
- U Analyte was analyzed for, but not detected above the MDL, MDA, or LOD.
- X Consult Case Narrative, Data Summary package, or Project Manager concerning this qualifier
- Y QC Samples were not spiked with this compound
- Z Paint Filter Test--Particulates passed through the filter, however no free liquids were observed.
- ^ RPD of sample and duplicate evaluated using +/-RL. Concentrations are <5X the RL. Qualifier Not Applicable for Radiochemistry.
- d 5-day BOD--The 2:1 depletion requirement was not met for this sample
- h Preparation or preservation holding time was exceeded

List of Reporting Abbreviations and Data Qualifiers

B = Compound also detected in batch blank

BQL = Below Quantitation Limit (RL or MDL)

DF = Dilution Factor

Dup = Duplicate

D = Detected, but RPD is > 40% between results in dual column method.

E = Estimated concentration, exceeds calibration range.

J = Estimated concentration, below calibration range and above MDL

LCS(D) = Laboratory Control Spike (Duplicate)

MDL = Method Detection Limit

MS(D) = Matrix Spike (Duplicate)

PQL = Practical Quantitation Limit

RL = Reporting Limit

RPD = Relative Percent Difference

mg/kg = milligram per kilogram, ppm, parts per million

ug/kg = micrograms per kilogram, ppb, parts per billion

mg/L = milligram per liter, ppm, parts per million

ug/L = micrograms per liter, ppb, parts per billion

% Rec = Percent Recovery

% soilds = Percent Solids

Special Notes:

1) Metals and mercury samples are digested with a hot block, see the standard operating procedure document for details.

2) Uncertainty for all reported data is less than or equal to 30 percent.

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SGS Environmental Services Inc.

Locations Nationwide
- Alaska
- Hawaii
- Ohio
- Maryland
- New Jersey
- North Carolina
- West Virginia

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(1)

CLIENT: S&ME INC.

CONTACT: MICHELLE LOGUT PHONE NO: (919) 872-2660

PROJECT: EDGECOMBE COUNTY LANDFILL SITE/PWSID#:

REPORTS TO: MICHELLE LOGUT E-MAIL: MLOGUT@SMEINC.COM

FAX NO.: (919) 876-3958

INVOICE TO: QUOTE #

P.O. NUMBER

SGS Reference: G108-1769

PAGE 1 OF

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	No CONTAINERS	SAMPLE TYPE C=COMP G=GRAB	APPENDIX I 8260 VOCs	APPENDIX I 6010 METALS	APPENDIX II 376.1 SULFIDE	APPENDIX II 9012 CYANIDE	MERCURY, MAGNESIUM, IRON, CHLORIDE, ALKALINITY, ETC, SULFATE, CALCIUM, POTASSIUM, SODIUM, AMMONIA, TOC, COD					REMARKS
							Preservatives Used	HCL	HNO3	NaOH ZN	NaOH					
							(3) Analysis Required									EPA method 376.1 for Sulfide deleted by EPA. SM4500D was used instead LNL 7/17
	MW-1A	6/27/07	1410	GW	12	G	X	X	X	X	X	X				(*) okay to run by 9012A per David Wells LNL 7/6
	MW-3A	↓	1555	↓	↓	↓	X	X	X	X	X	X				
	MW-4	↓	1500				X	X	X	X	X	X				
	MW-5	6/26/07	1525				X	X	X	X	X	X				
	MW-6	6/27/07	1010				X	X	X	X	X	X				
	MW-7A	~~6/26/07~~	~~1635~~ 1635				X	X	X	X	X	X				
	MW-9	6/27/07	1105		↓	↓	X	X	X	X	X	X				
	EQUIPMENT BLANK	↓	1655		4	-	X	X								
	TRIP BLANK	—	—		8	—	X	~~X~~	cannot analyze vom vials for metals LNL 7/2							
	DUPLICATE	—	—	↓	12	G	X	X	X	X	X	X				

(5)

Collected/Relinquished By: (1)	Date	Time	Received By:	Date	Time
Michelle Logut	6/28/07	1140	[signature]	6/28	1150
Relinquished By: (2)	Date	Time	Received By:	Date	Time
[signature]	6/28/07	4:45			
Relinquished By: (3)	Date	Time	Received By:	Date	Time
Relinquished By: (4)	Date	Time	Received By:	Date	Time
			[signature]	6/28/07	1030

(4)

Shipping Carrier:

Shipping Ticket No:

Samples Received Cold? (Circle) YES NO

Temperature (C: 3.2

Special Deliverable Requirements:

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Special Instructions:

Requested Turnaround Time:

☐ RUSH _____ Date Needed ☐ STD

☐ 200 W. Potter Drive Anchorage, AK 99518 Tel: (907) 562-2343 Fax: (907) 561-5301
☐ 5500 Business Drive Wilmington, NC 28405 Tel: (910) 350-1903 Fax: (910) 350-1557
☐ 1270 Greenbrier Street Charleston, WV 25311 Tel: (304) 346-0725 Fax: (304) 346-0761

White - Retained by Lab
Yellow - Returned with Report
Pink - Retained by Sampler

N.C. CERTIFICATION #481

SGS ENVIRONMENTAL SERVICES, INC.

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- Hawaii
- Maryland
- North Carolina

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SGS

(1)

CLIENT: SME INC.

CONTACT: MICHELLE LOGUT PHONE NO: (919) 872-2660

PROJECT: EDGECOMBE COUNTY LANDFILL SITE/PWSID#:

REPORTS TO: MICHELLE LOGUT E-MAIL: MLOGUT@SMEINC.COM

FAX NO.: (919) 876-3958

INVOICE TO: QUOTE #

P.O. NUMBER

SGS Reference: G108-1769

PAGE 2 OF 2

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	No CONTAINERS	SAMPLE TYPE C=COMP G=GRAB	APPENDIX I 8260 VOCS	APPENDIX I METALS 6010	DISSOLVED METALS							REMARKS
	P-4	6/27/07	0840	GW	4	6	X	X	X				✓			One unacidified metals bottle received. Split sample. Acidify one - totals. Dissolved on other.
	P-5	6/26/07	1230	↓	↓	↓	X	X	X				✓			
	P-9	↓	0950				X	X	X				✓			
	P-14	↓	1040	↓	↓	↓	X	X	X				✓			

(3) Preservatives Used / Analysis Required

(5)

Collected/Relinquished By: (1)	Date	Time	Received By:	Date	Time
Michelle L. Logut	6/28/07	1140	[signature]	6/28/07	1150
Relinquished By: (2) [signature]	6/28/07	4:45	Received By:	Date	Time
Relinquished By: (3)	Date	Time	Received By:	Date	Time
Relinquished By: (4)	Date	Time	Received By: [signature]	6/29/07	1030a

(4)

Shipping Carrier:

Shipping Ticket No:

Samples Received Cold? (Circle) YES NO

Temperature °C: 3.2 °F:

Special Deliverable Requirements:

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Special Instructions:

Requested Turnaround Time: ☐ RUSH _____ Date Needed ☐ STD

N.C. CERTIFICATION #481

SGS ENVIRONMENTAL SERVICES, INC.

☐ 200 W. Potter Drive Anchorage, AK 99518 Tel: (907) 562-2343 Fax: (907) 561-5301
☐ 5500 Business Drive Wilmington, NC 28405 Tel: (910) 350-1903 Fax: (910) 350-1557
☐ 1270 Greenbrier Street Charleston, WV 25311 Tel: (304) 346-0725 Fax: (304) 346-0761

White - Retained by Lab
Yellow - Returned with Report
Pink - Retained by Sampler

APPENDIX II

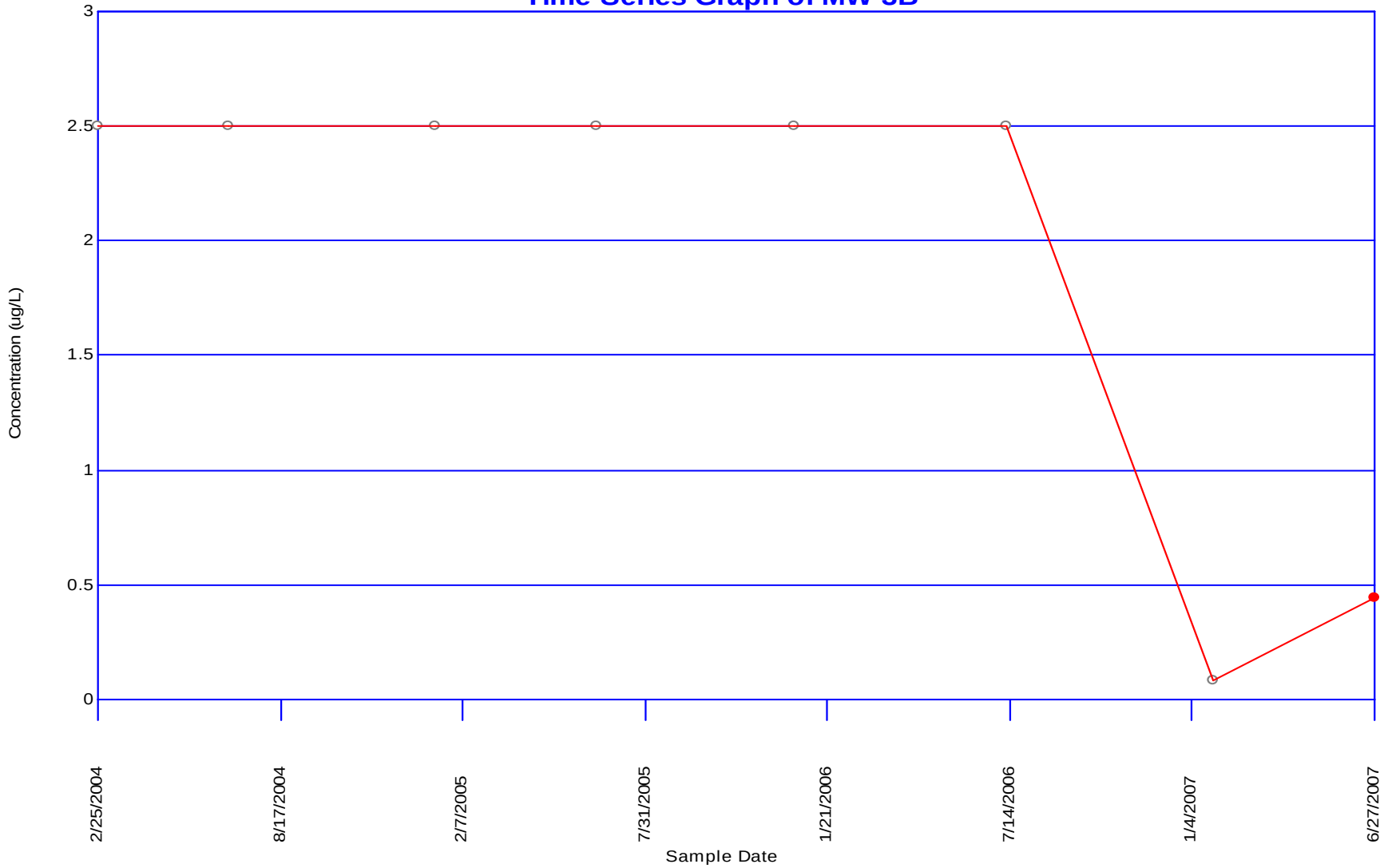
COMPACT DISK WITH ELECTRONIC COPY OF TABLE 1 (.XLS) AND ELECTRONIC COPY OF THIS REPORT (.PDF)

APPENDIX III

TIME SERIES GRAPHS FOR MONITOR WELLS

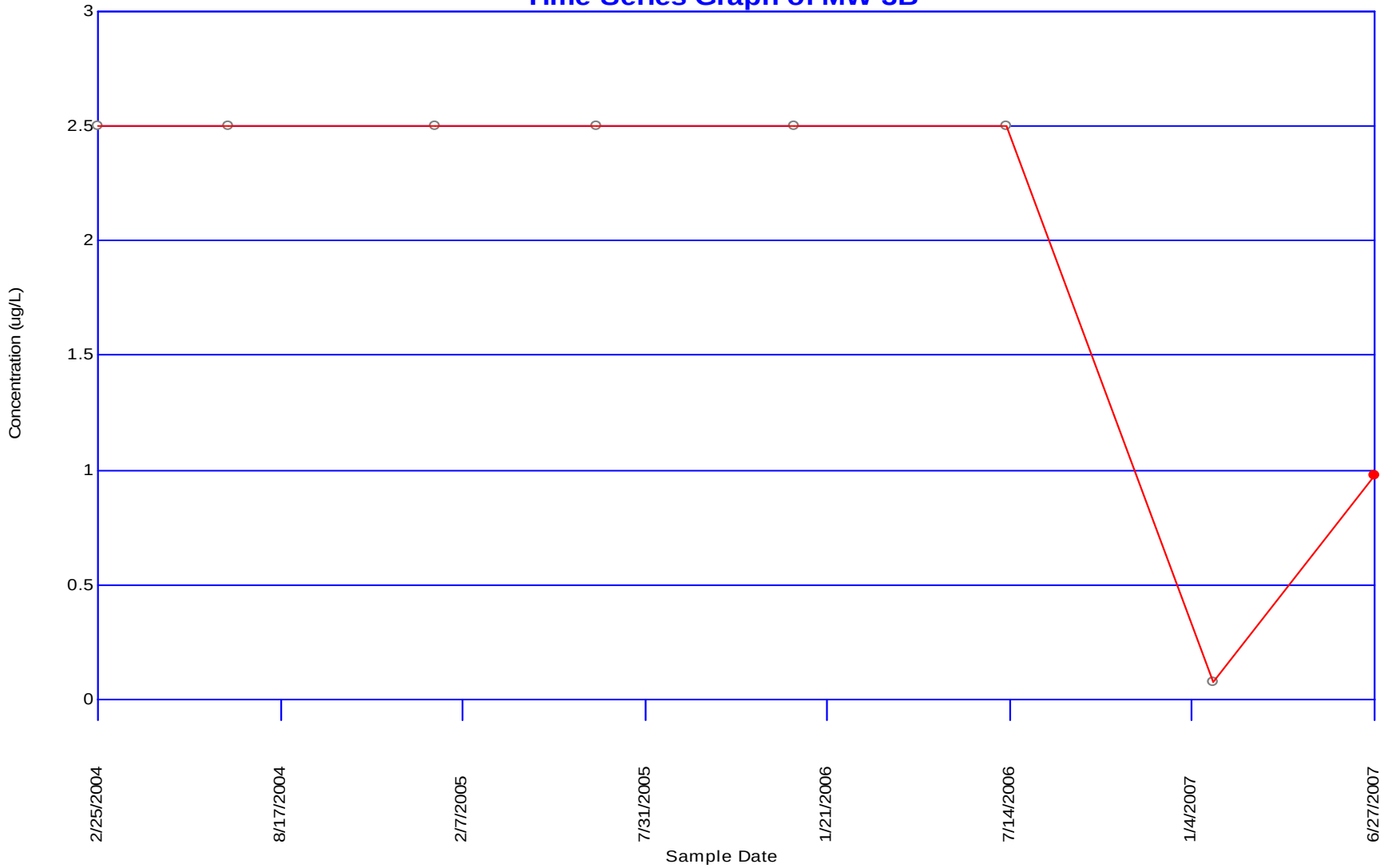
Ethylbenzene

Time-Series Graph of MW-3B



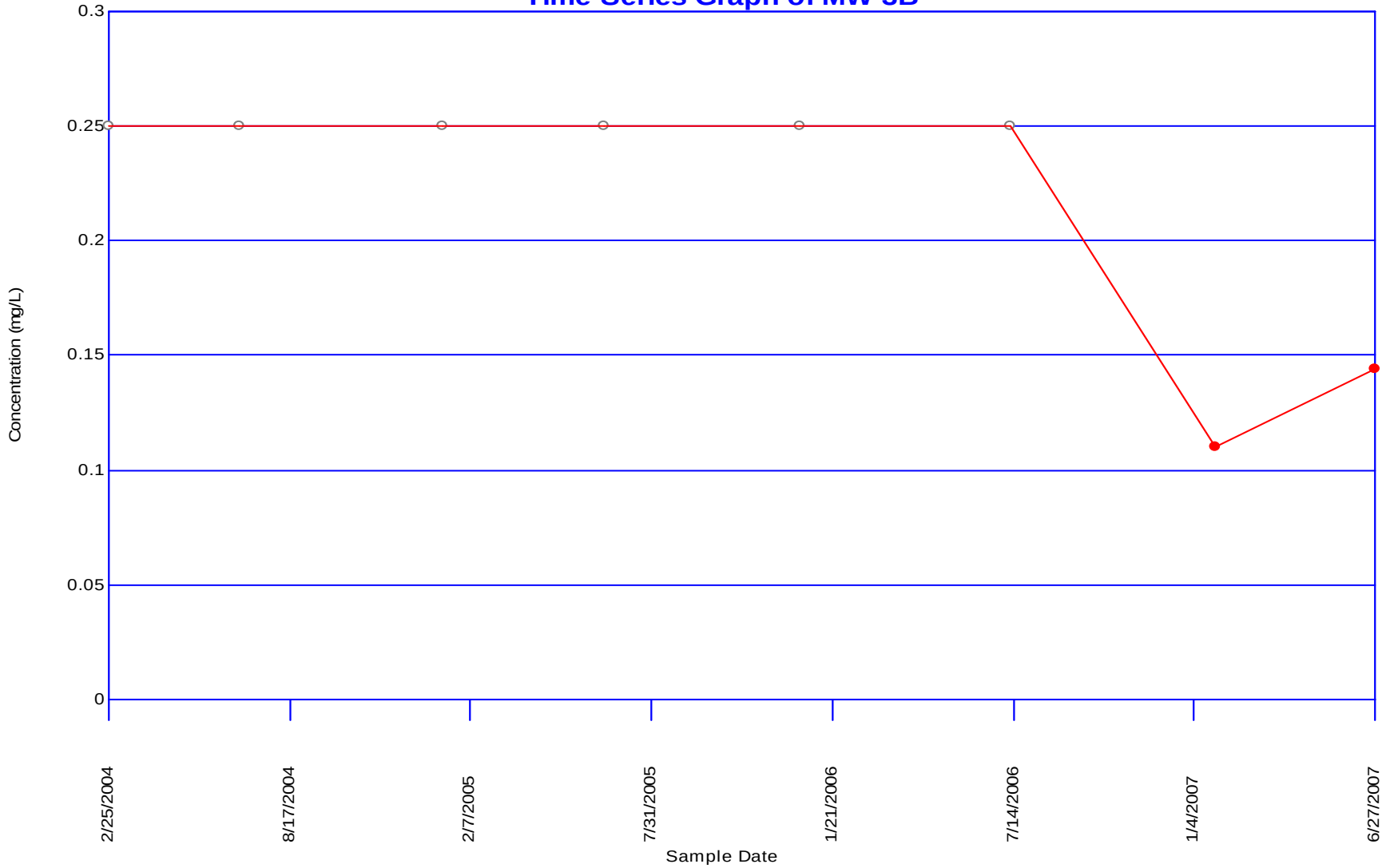
Toluene

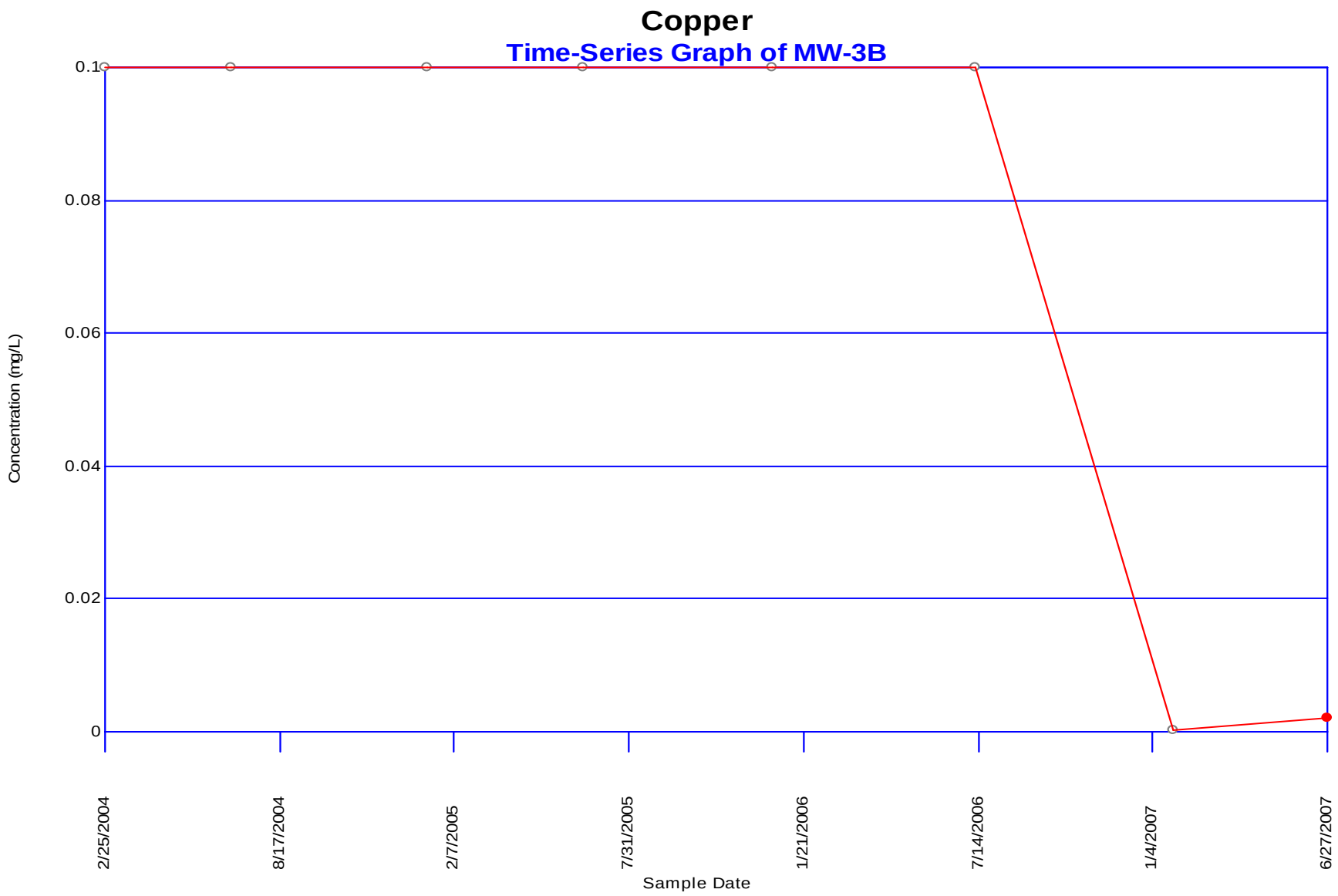
Time-Series Graph of MW-3B



Barium

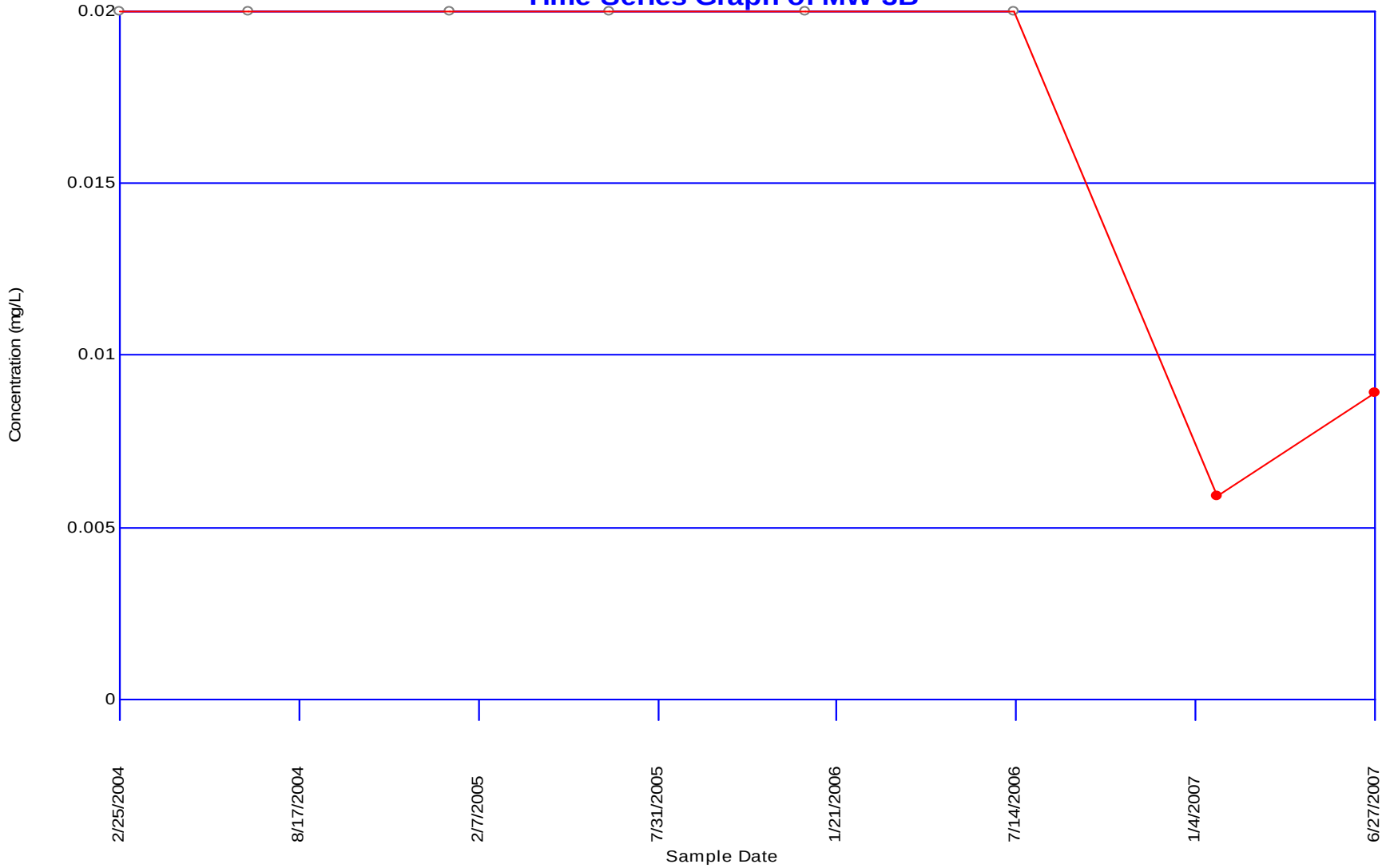
Time-Series Graph of MW-3B




Copper
Time-Series Graph of MW-3B
Concentration (mg/L)
0.1
0.08
0.06
0.04
0.02
0
2/25/2004
8/17/2004
2/7/2005
7/31/2005
1/21/2006
7/14/2006
1/4/2007
6/27/2007
Sample Date

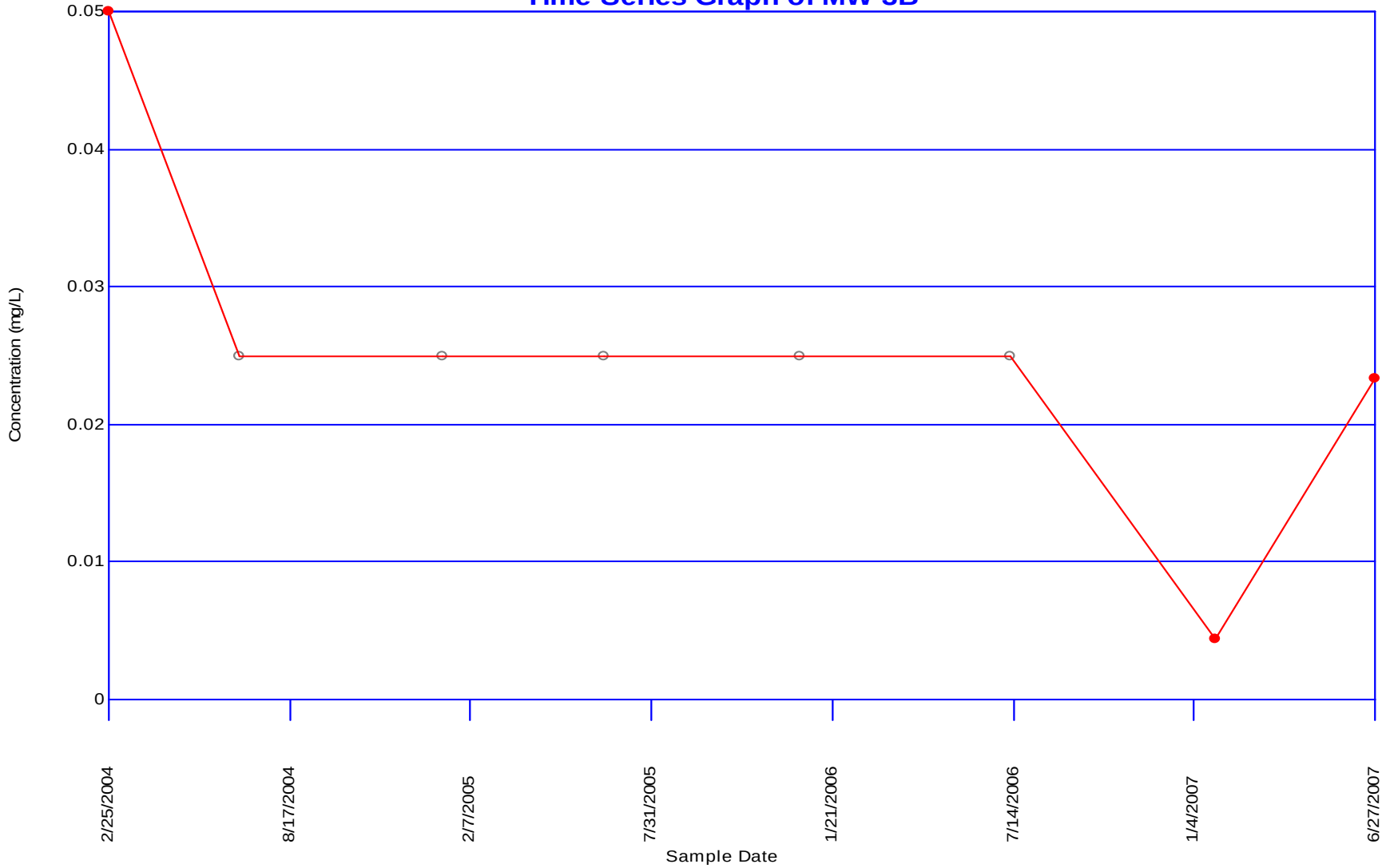
Vanadium

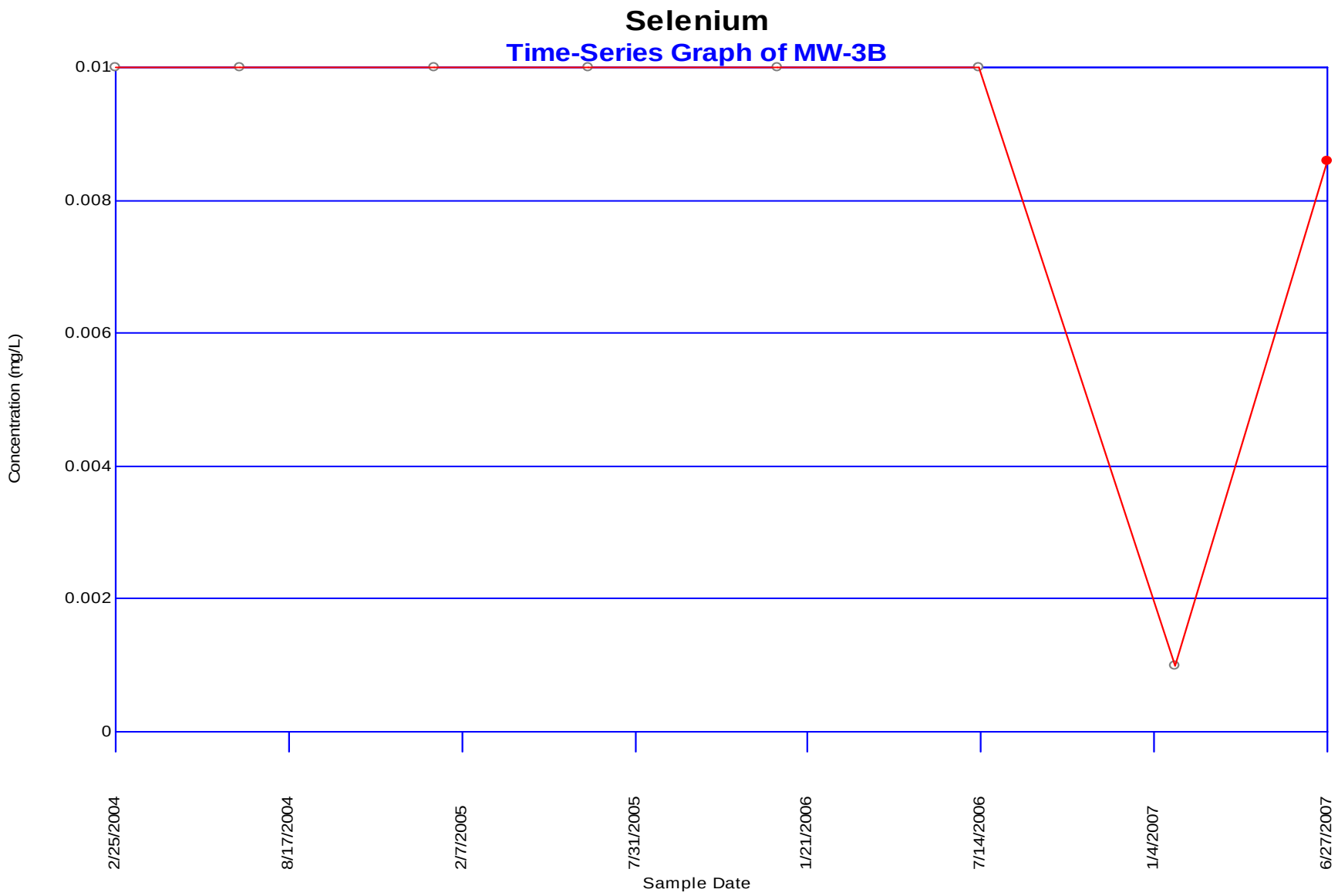
Time-Series Graph of MW-3B



Zinc

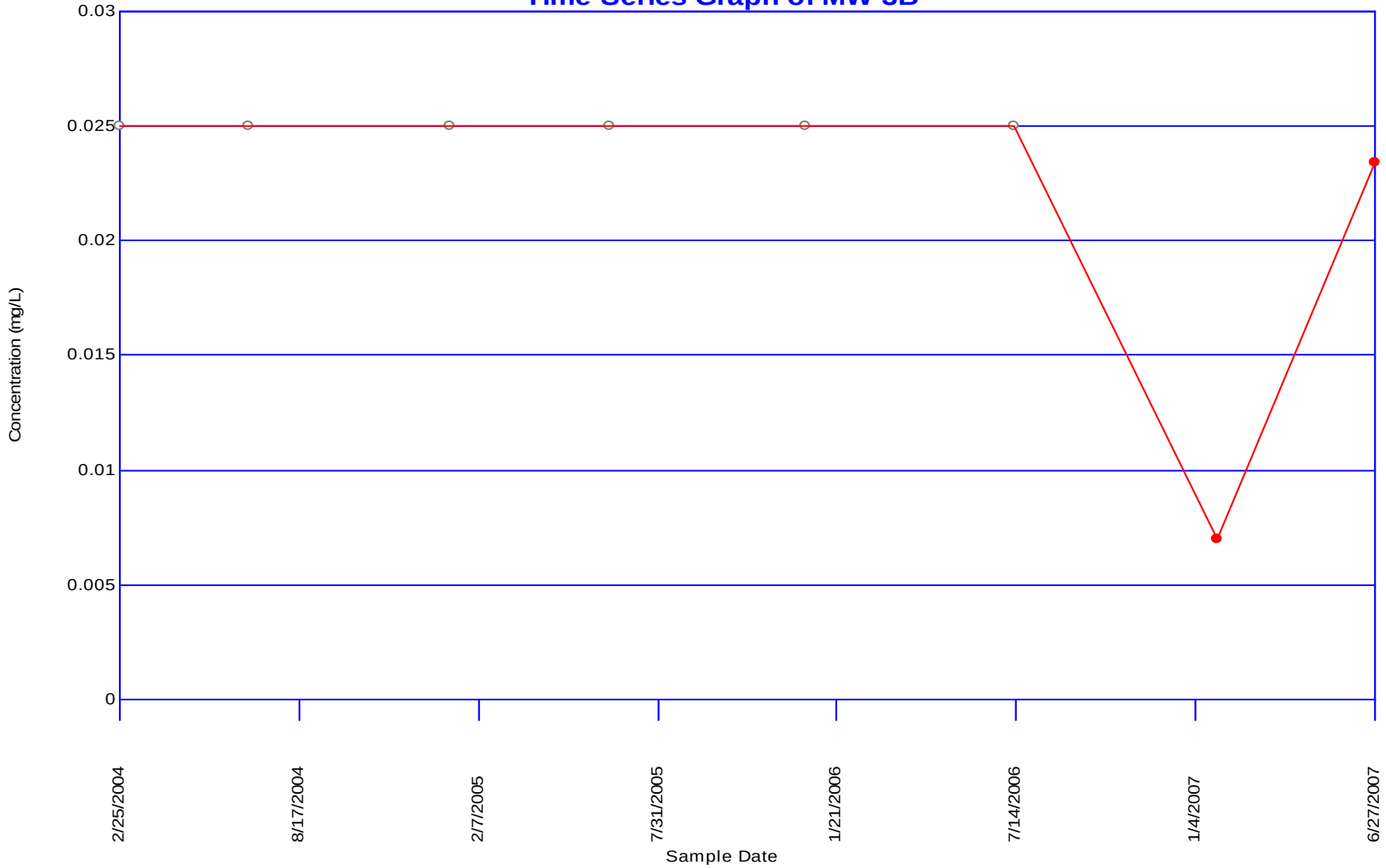
Time-Series Graph of MW-3B




Selenium
Time-Series Graph of MW-3B
Concentration (mg/L)
0.01
0.008
0.006
0.004
0.002
0
2/25/2004
8/17/2004
2/7/2005
7/31/2005
1/21/2006
7/14/2006
1/4/2007
6/27/2007
Sample Date

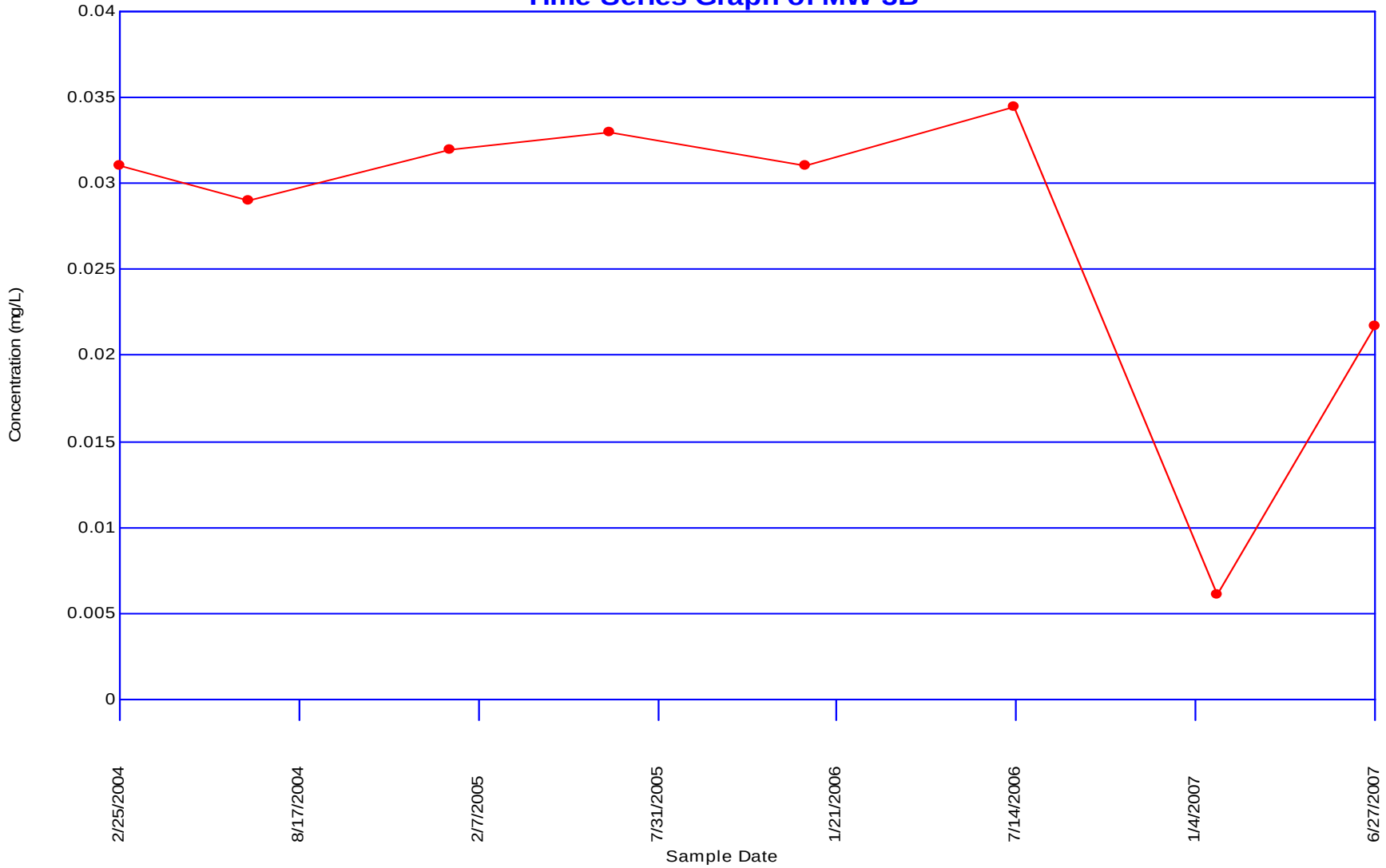
Nickel

Time-Series Graph of MW-3B



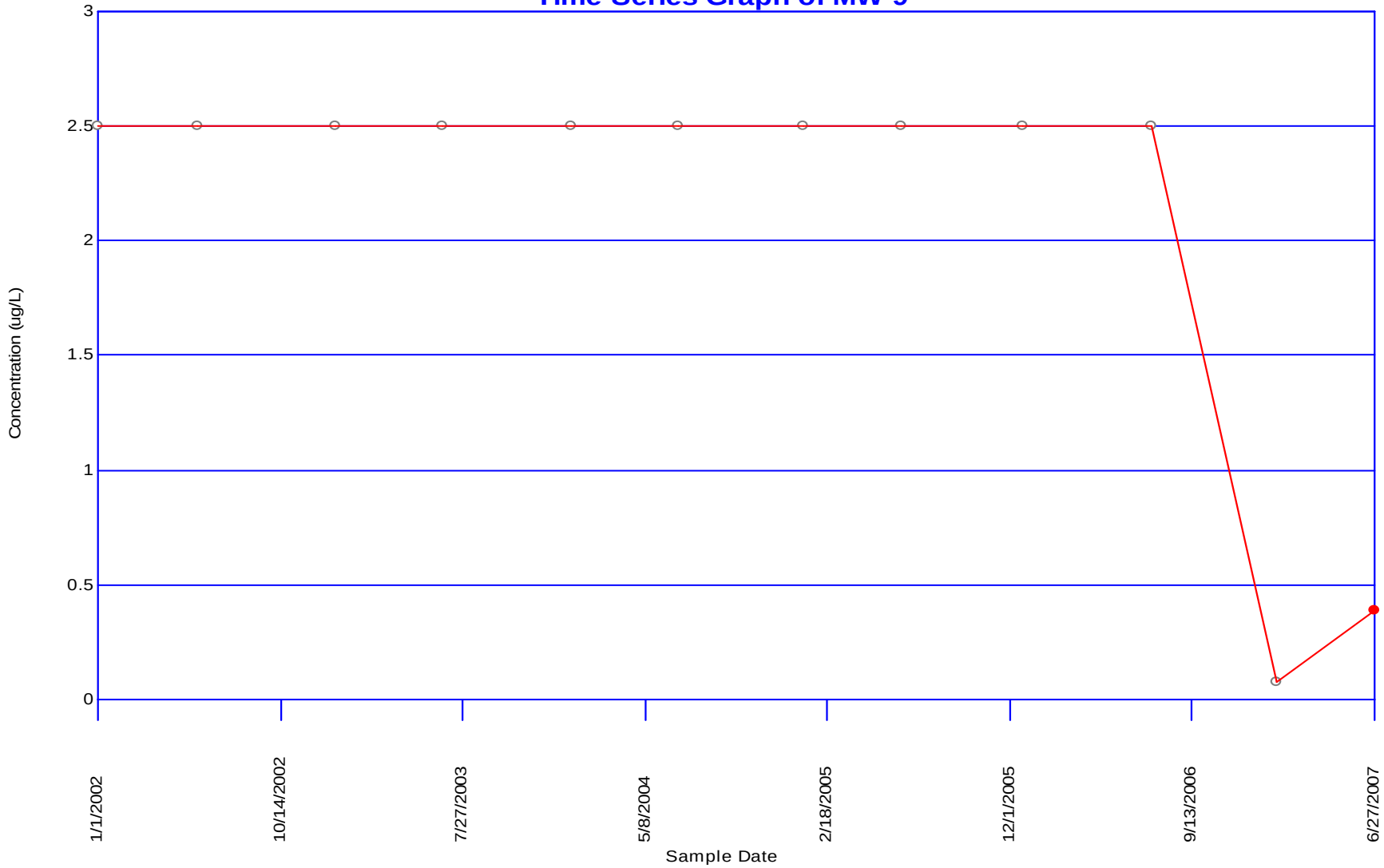
Cobalt

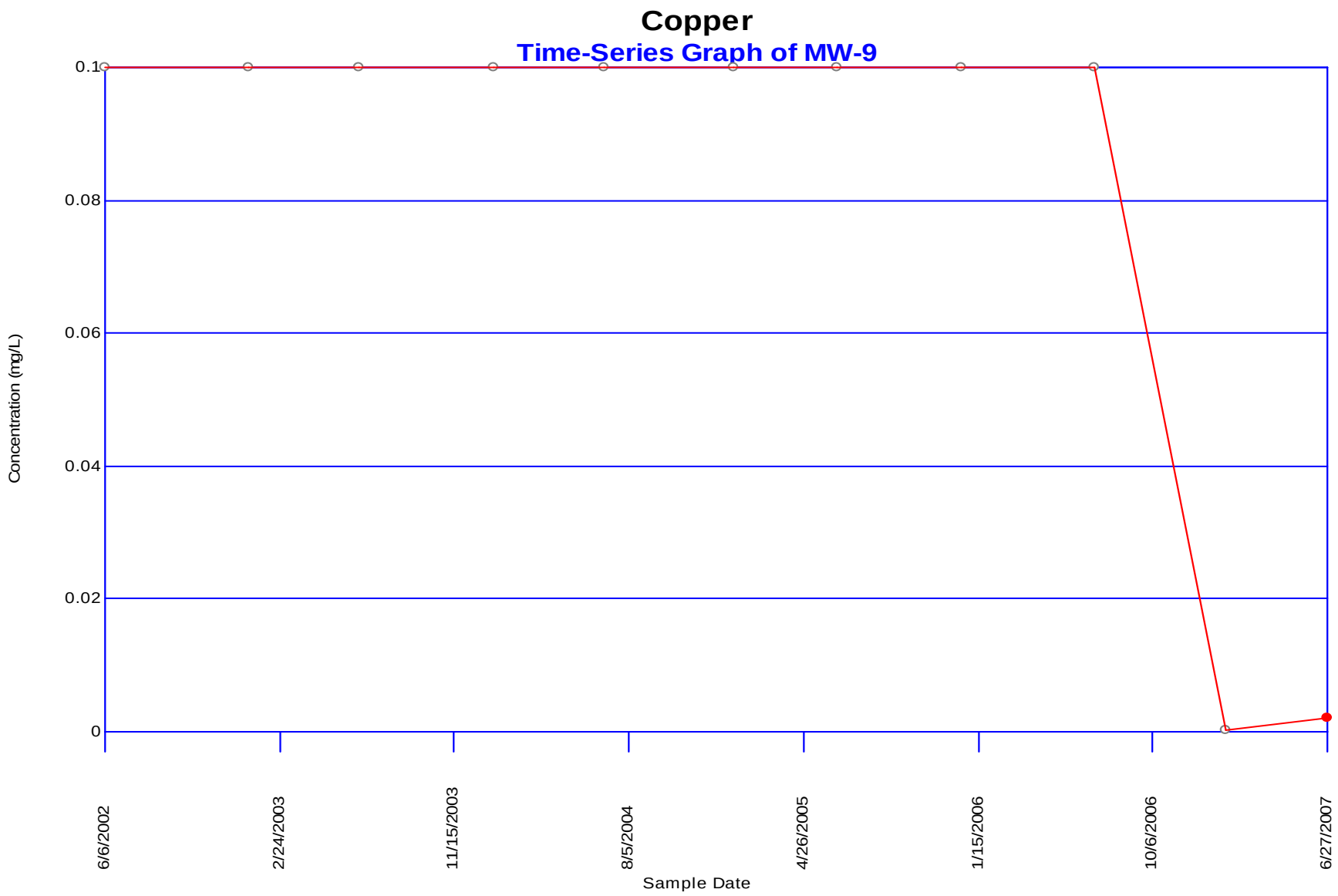
Time-Series Graph of MW-3B



Toluene

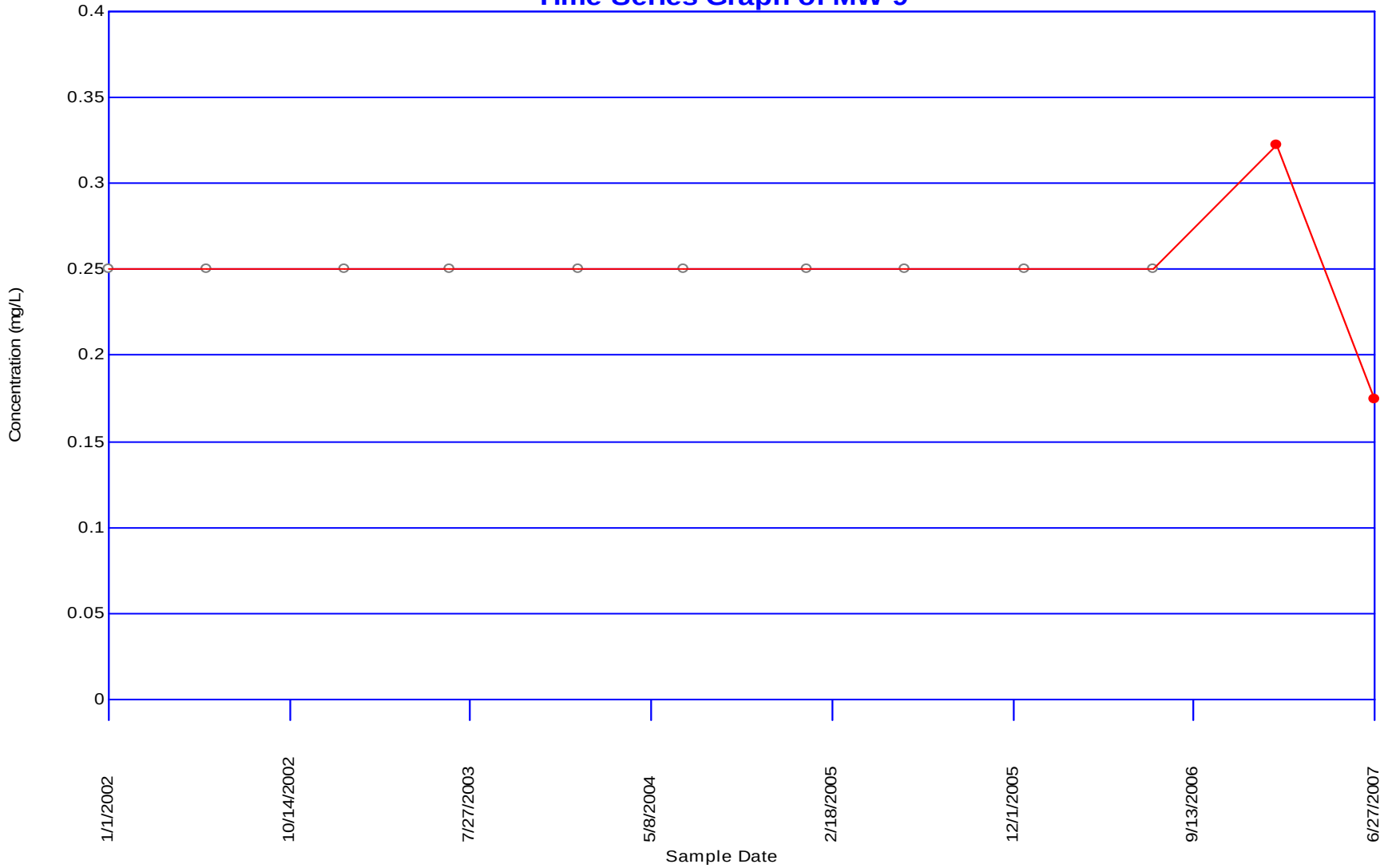
Time-Series Graph of MW-9




Copper
Time-Series Graph of MW-9
Concentration (mg/L)
0.1
0.08
0.06
0.04
0.02
0
6/6/2002
2/24/2003
11/15/2003
8/5/2004
4/26/2005
1/15/2006
10/6/2006
6/27/2007
Sample Date

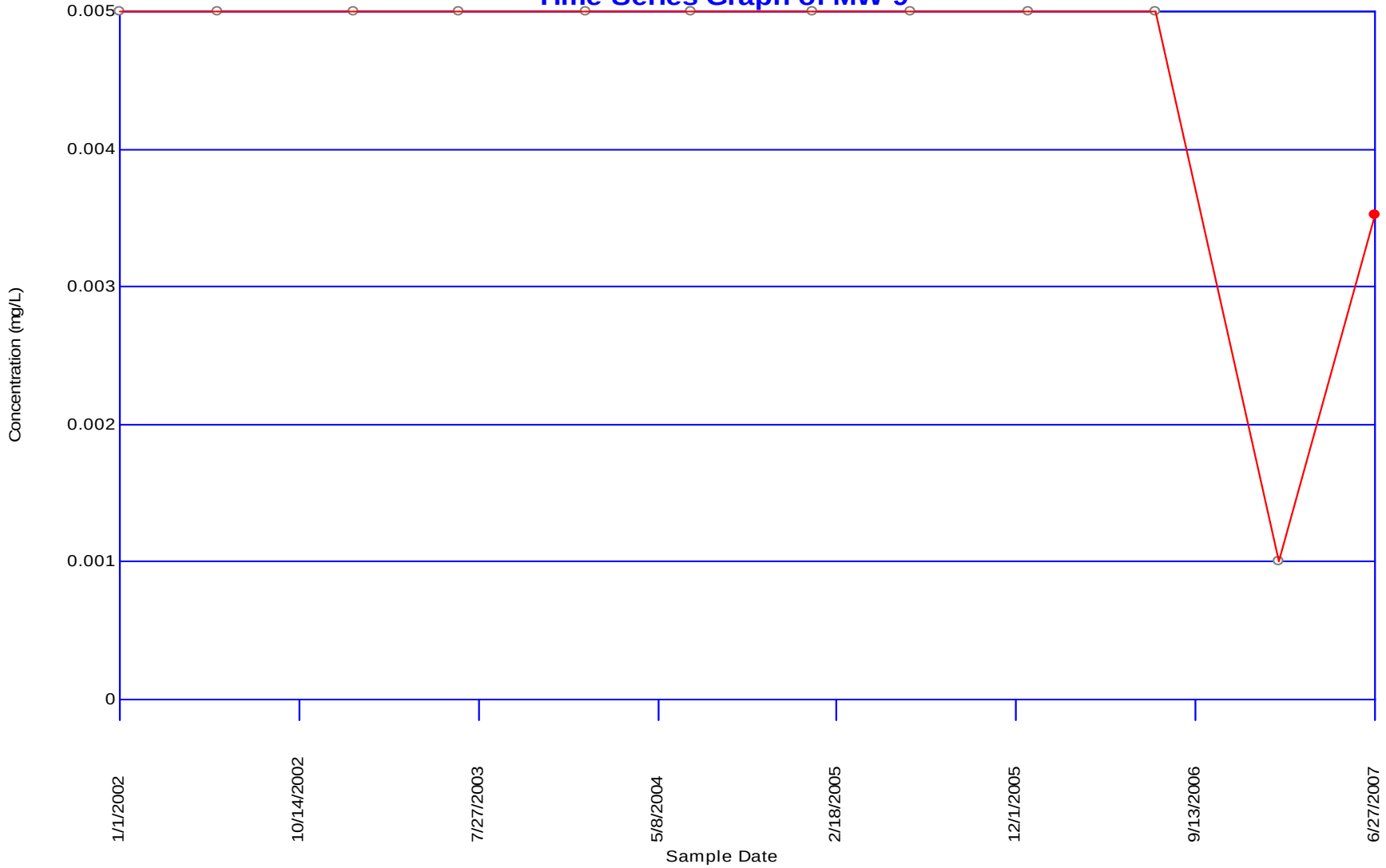
Barium

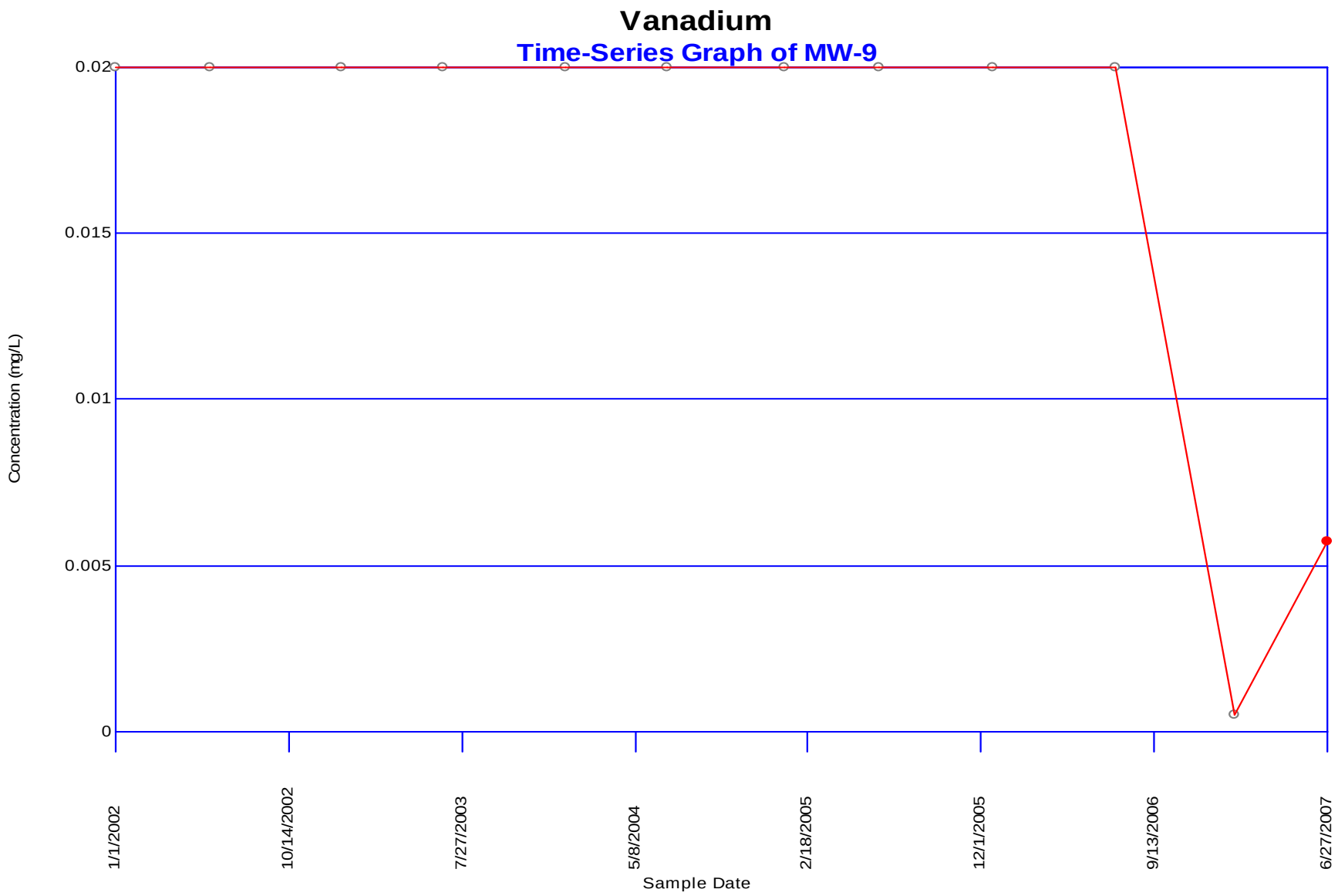
Time-Series Graph of MW-9



Cobalt

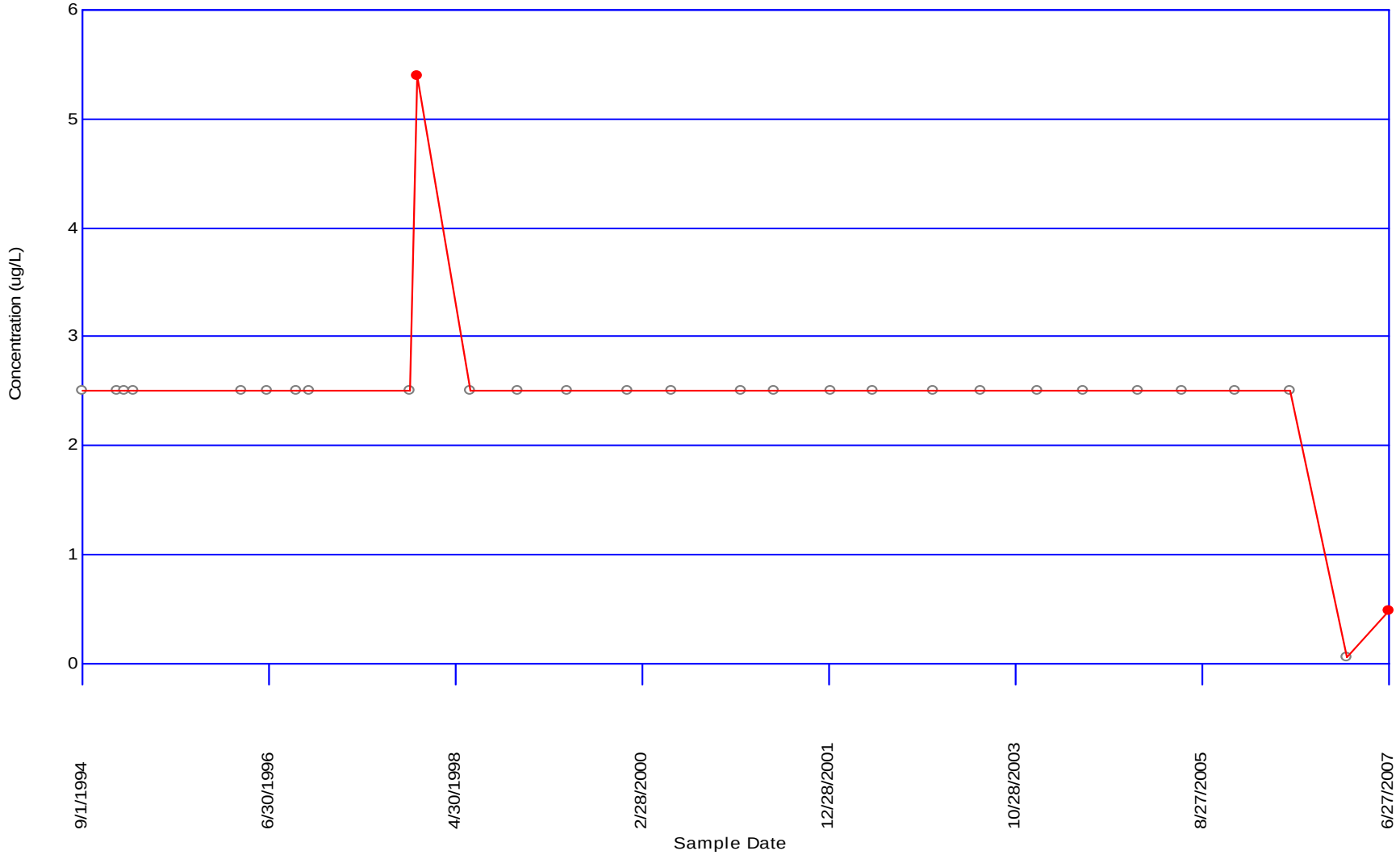
Time-Series Graph of MW-9




Vanadium
Time-Series Graph of MW-9
0.02
0.015
0.01
0.005
0
Concentration (mg/L)
1/1/2002
10/14/2002
7/27/2003
5/8/2004
2/18/2005
12/1/2005
9/13/2006
6/27/2007
Sample Date

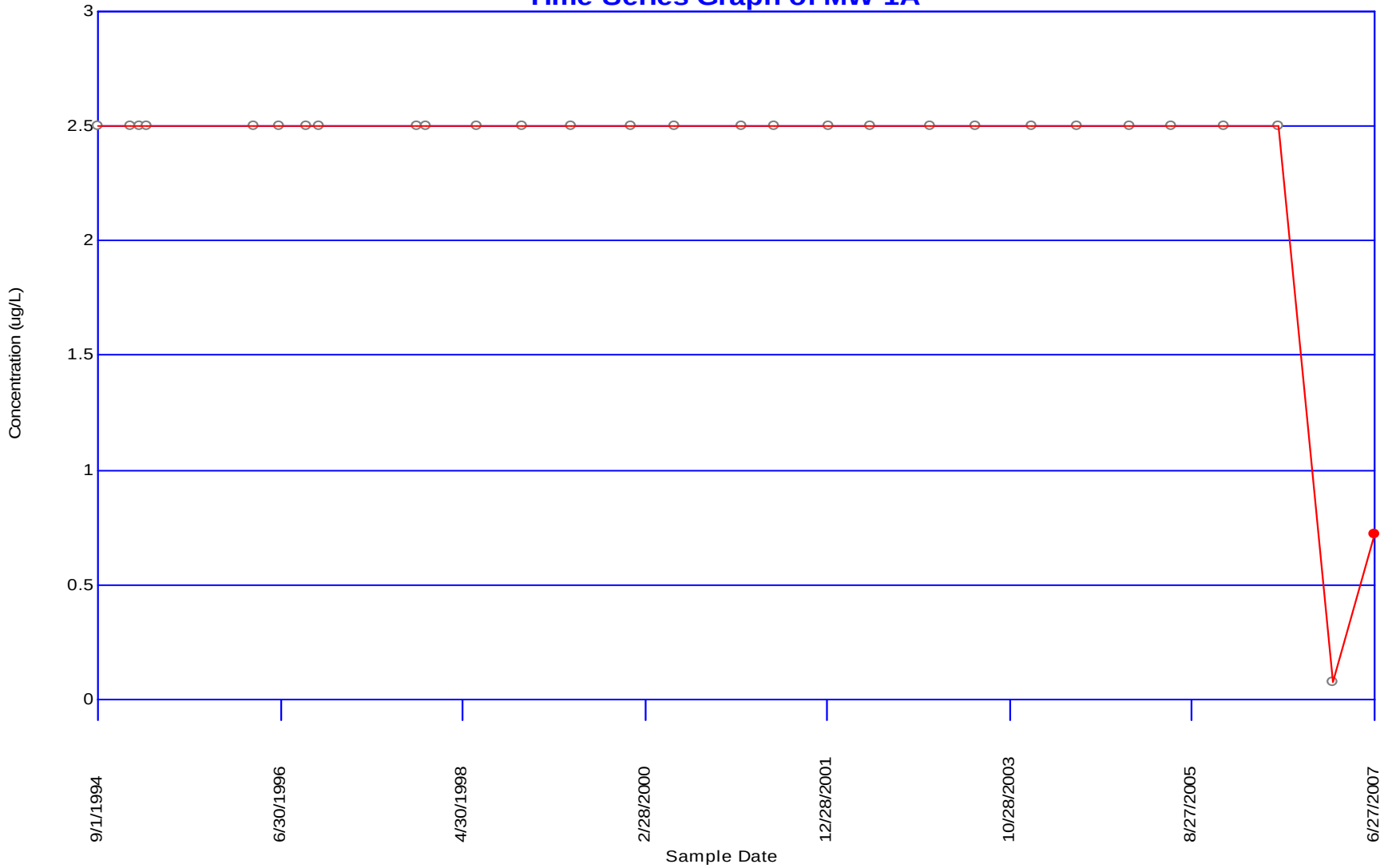
Benzene

Time-Series Graph of MW-1A



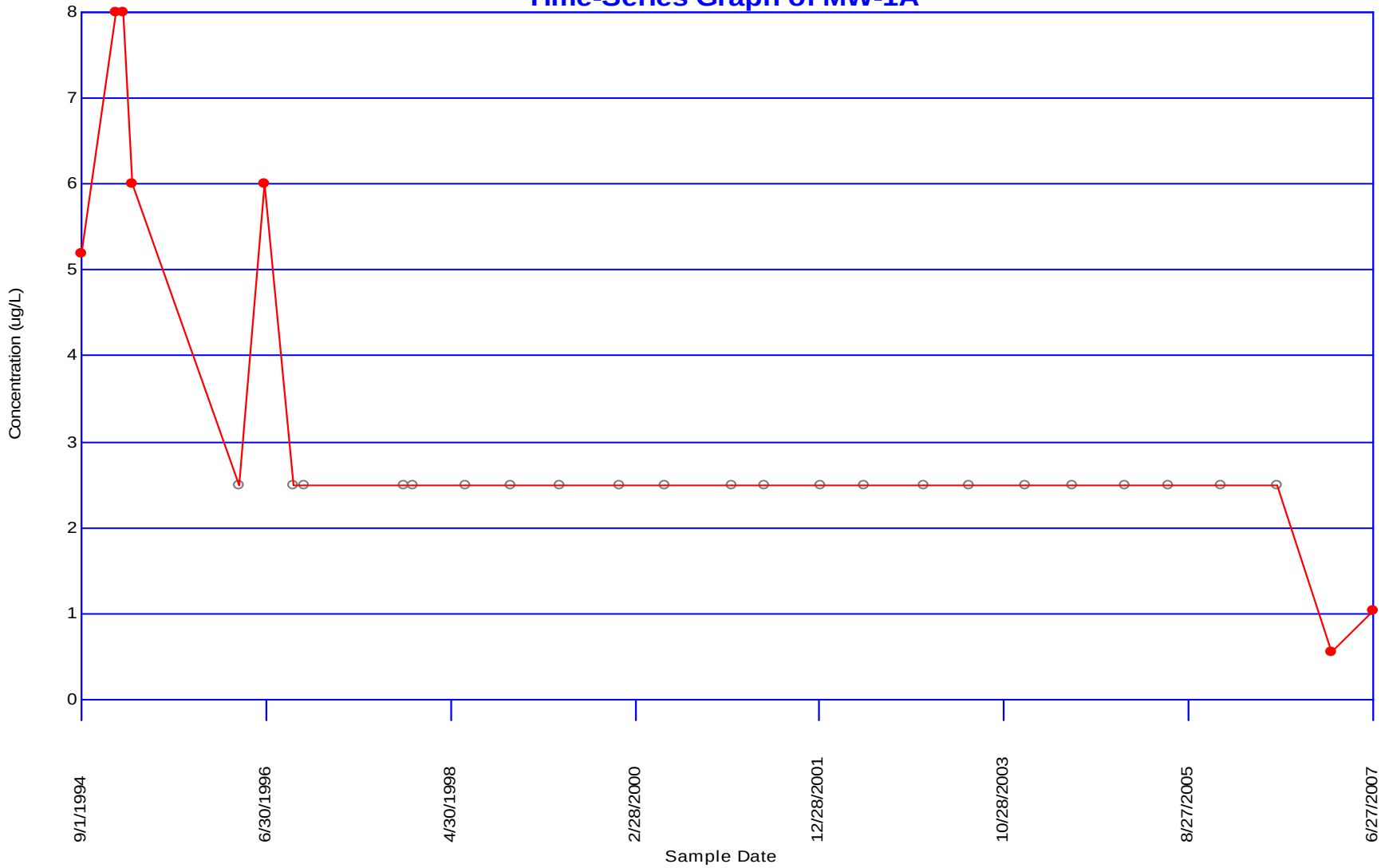
1,4-Dichlorobenzene

Time-Series Graph of MW-1A



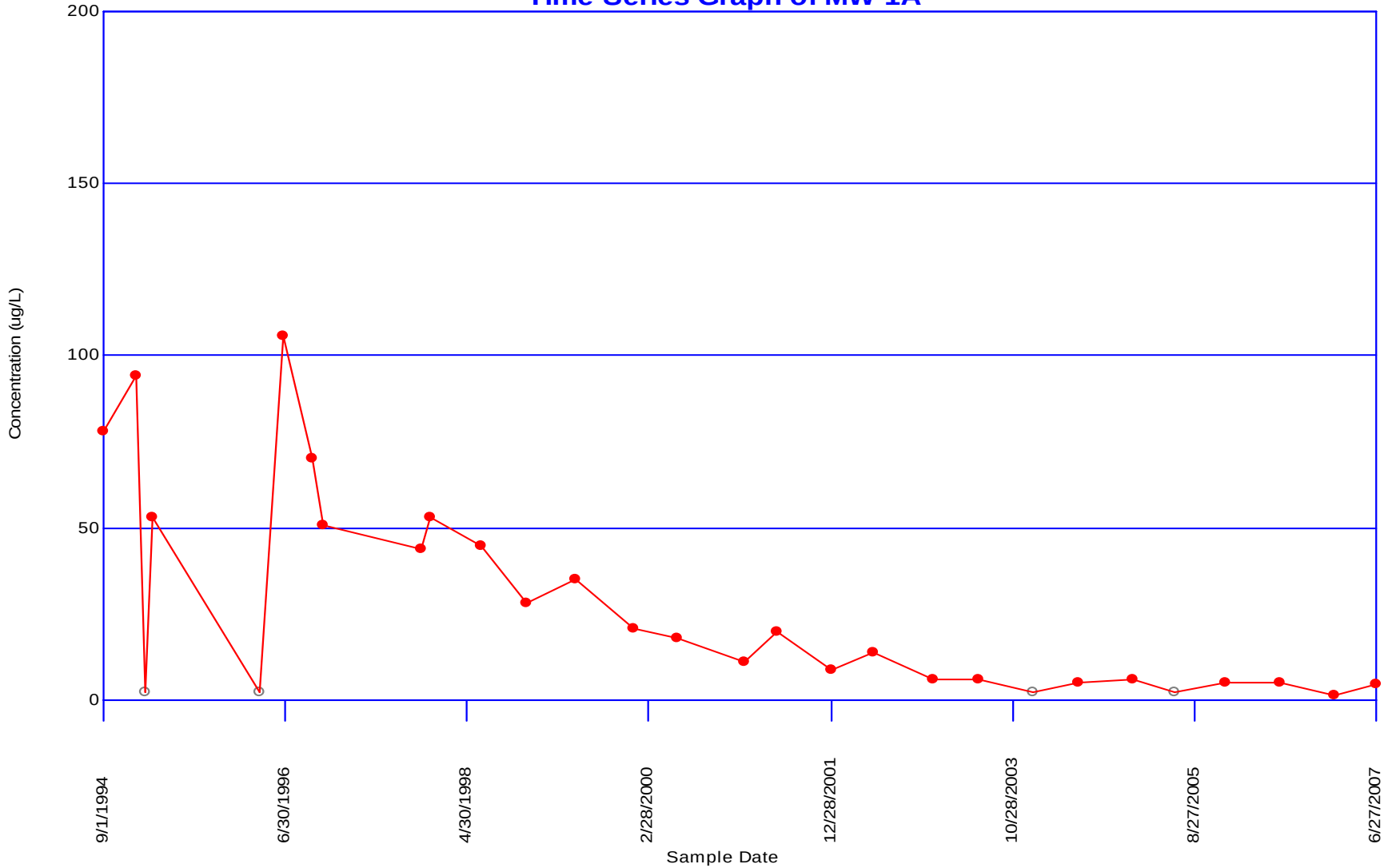
1,1-Dichloroethane

Time-Series Graph of MW-1A



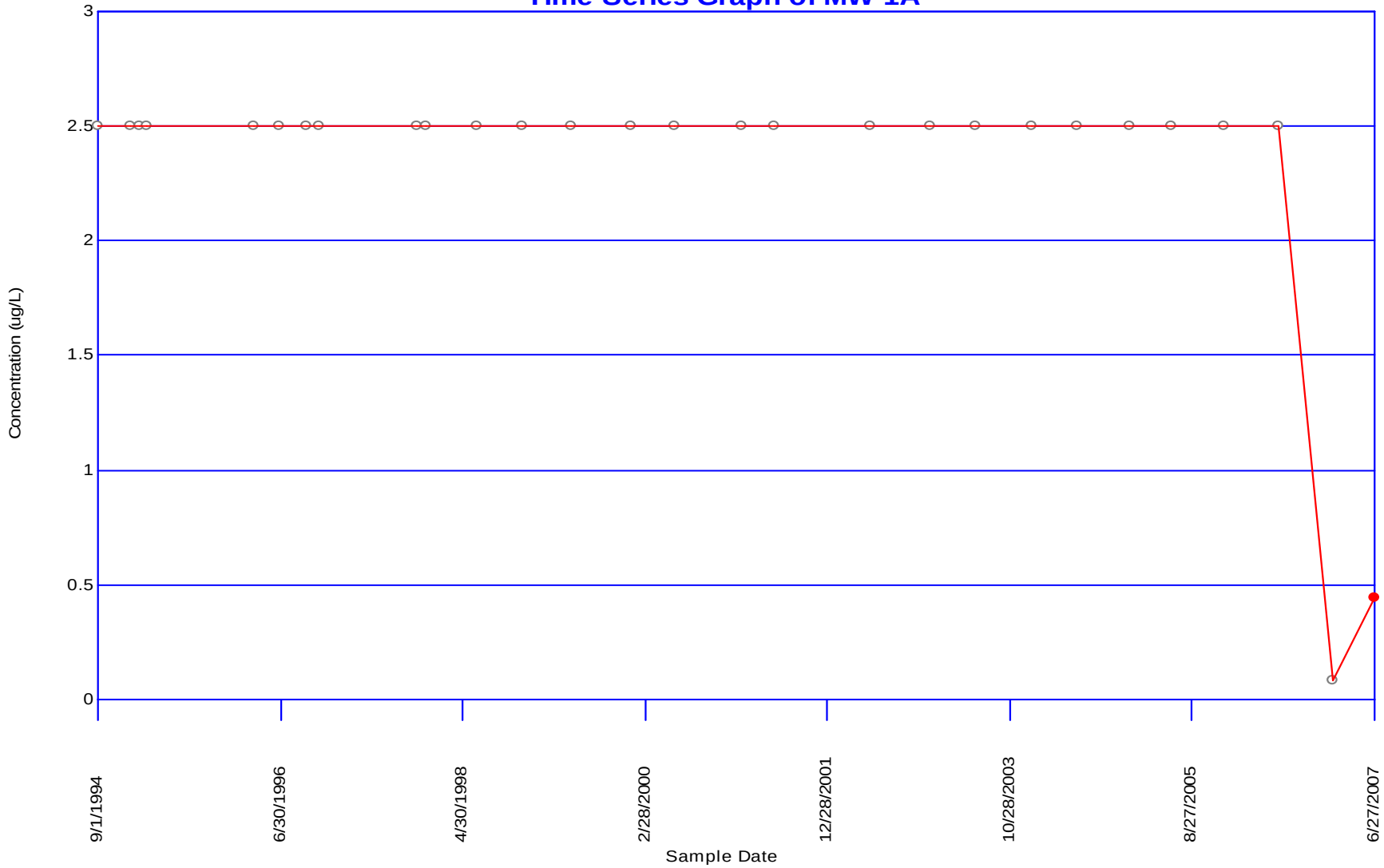
c-1,2-Dichloroethene

Time-Series Graph of MW-1A



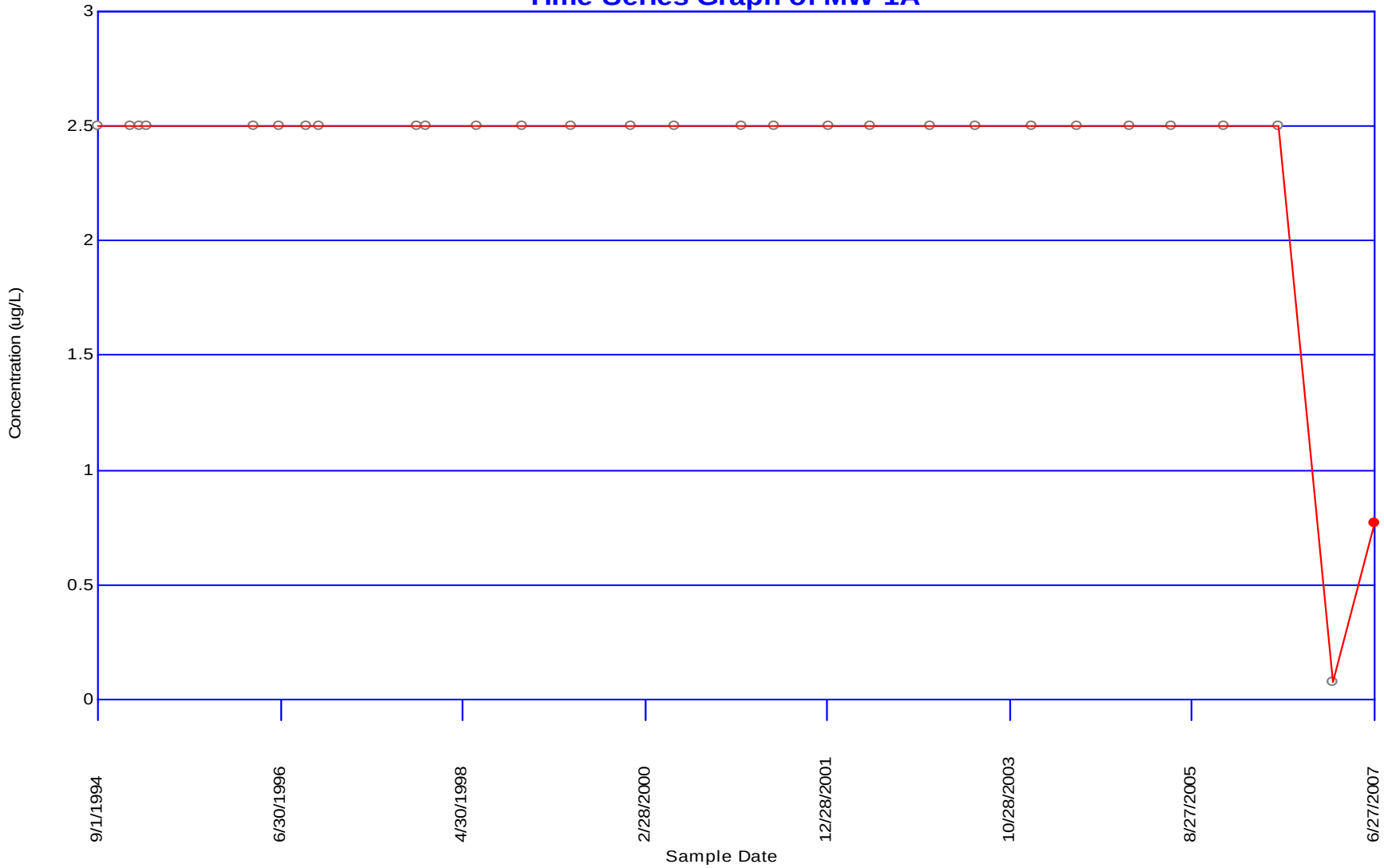
Ethylbenzene

Time-Series Graph of MW-1A



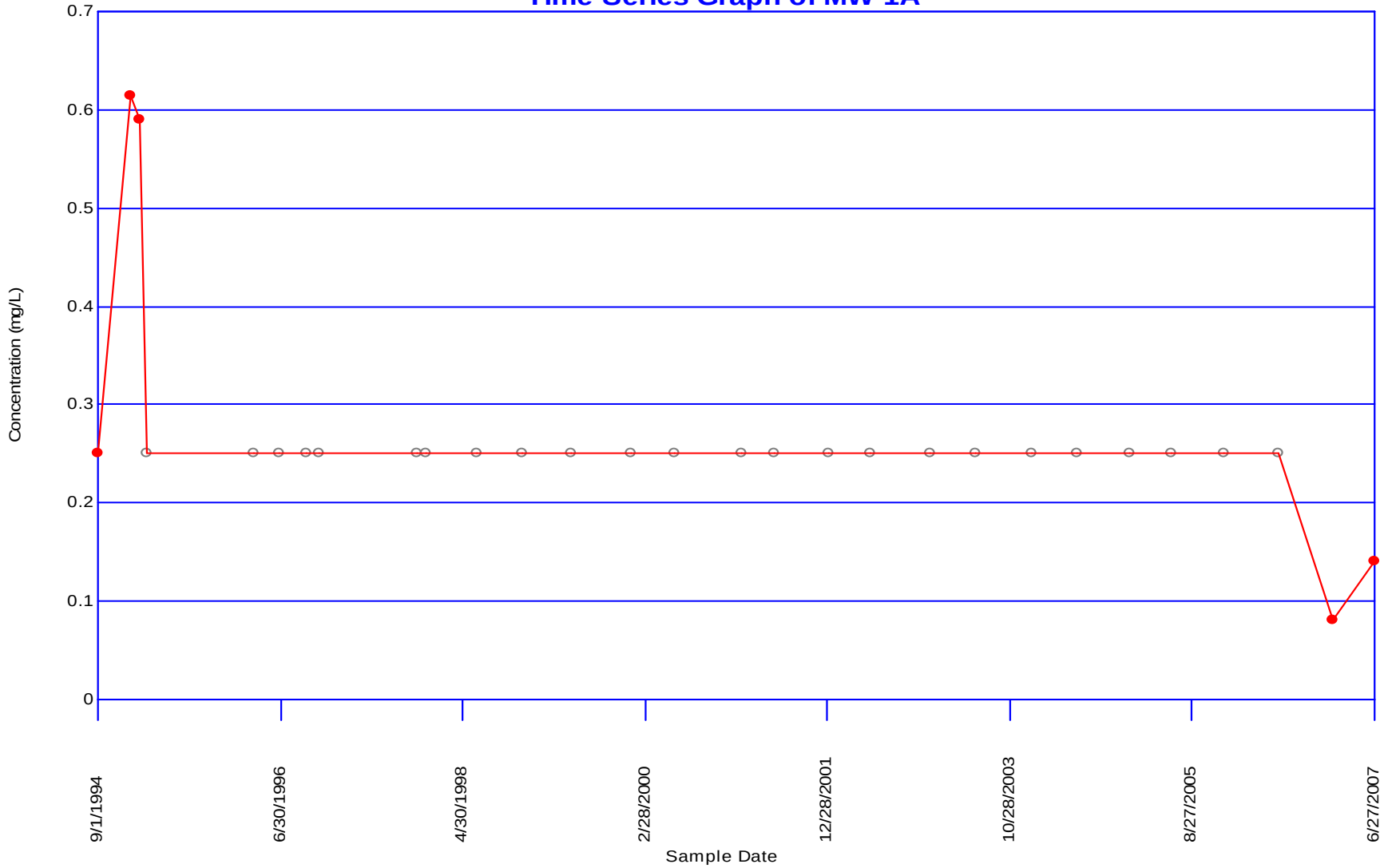
Toluene

Time-Series Graph of MW-1A



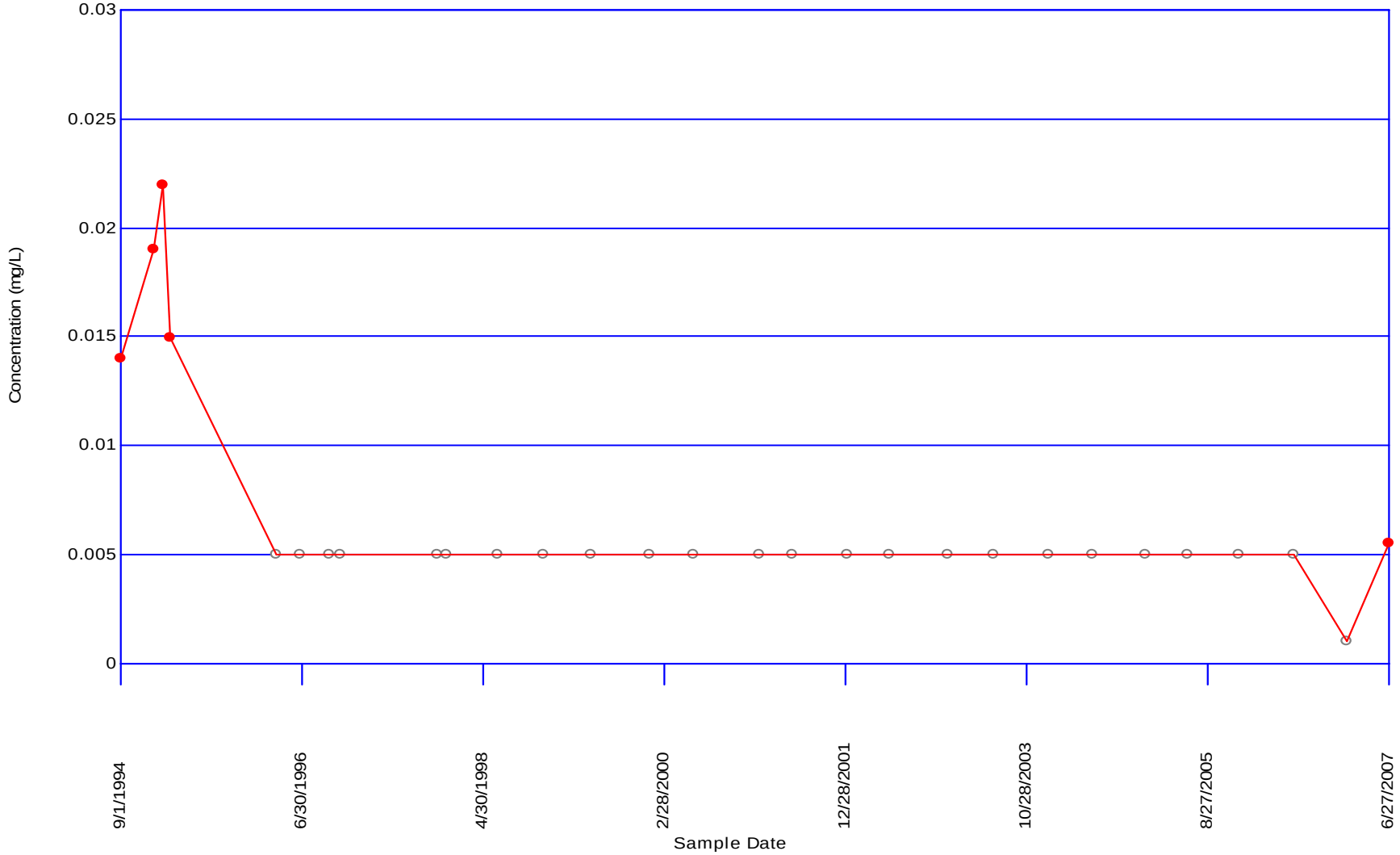
Barium

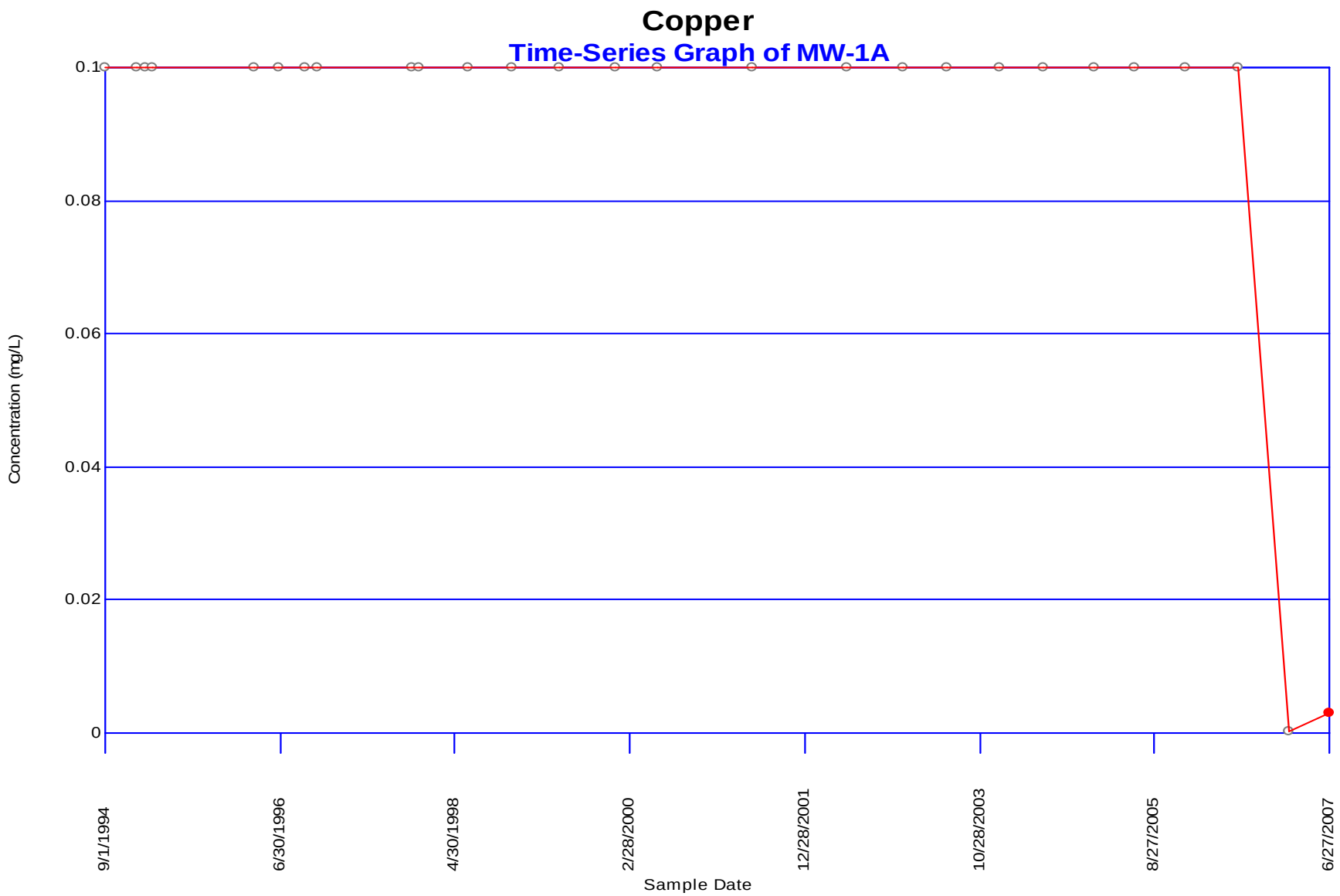
Time-Series Graph of MW-1A



Cobalt

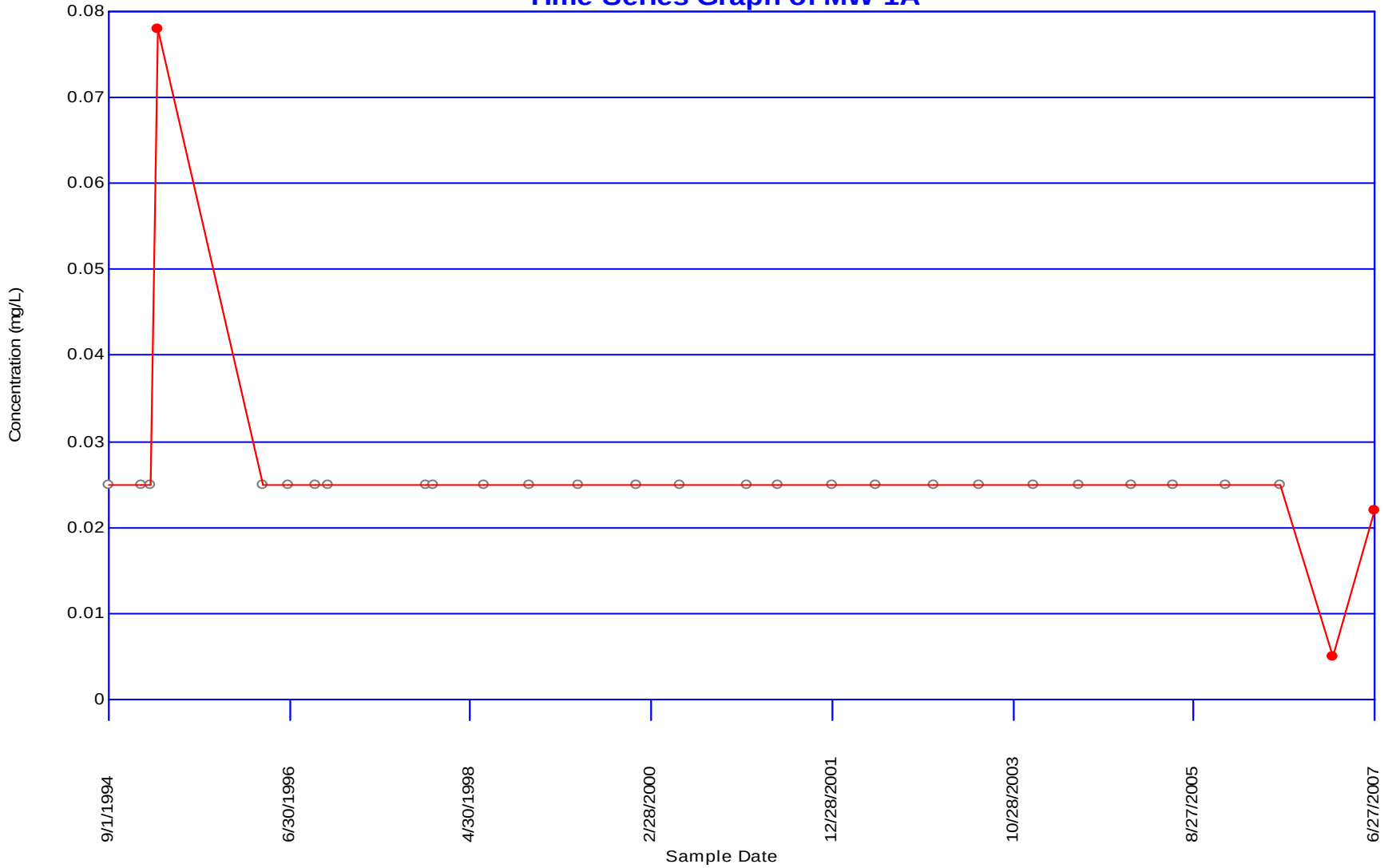
Time-Series Graph of MW-1A

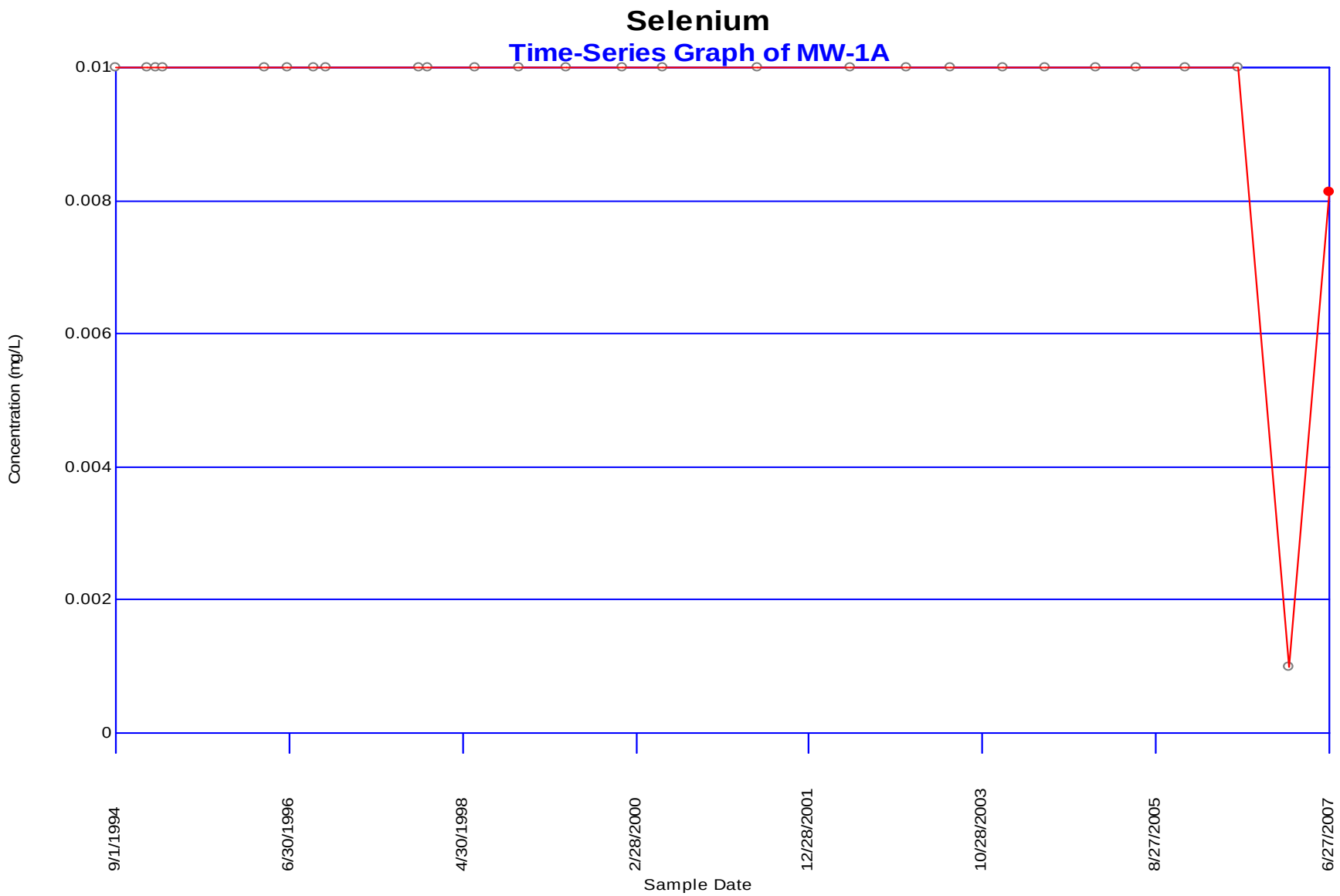



Copper
Time-Series Graph of MW-1A
Concentration (mg/L)
0.1
0.08
0.06
0.04
0.02
0
9/1/1994
6/30/1996
4/30/1998
2/28/2000
12/28/2001
10/28/2003
8/27/2005
6/27/2007
Sample Date

Nickel

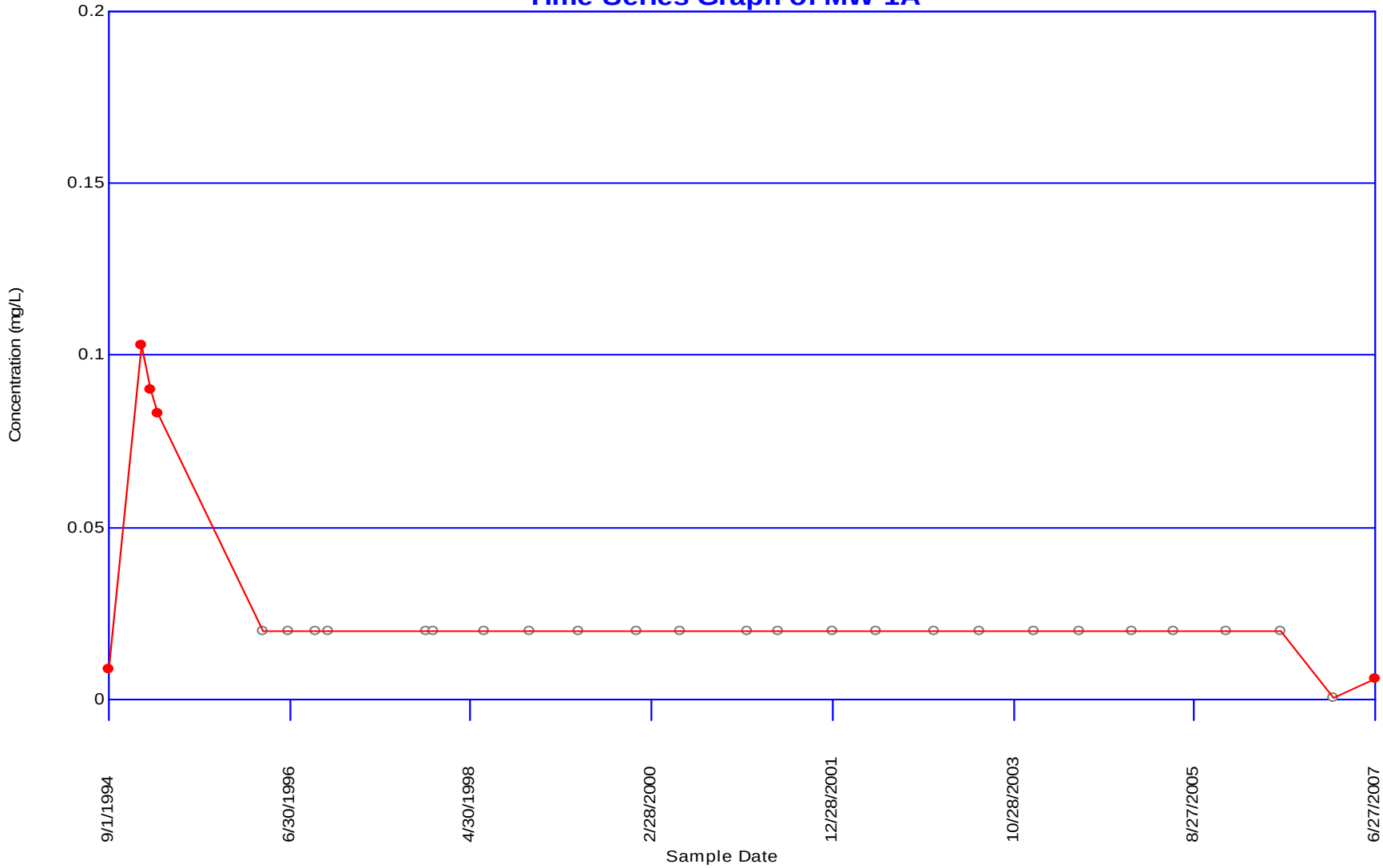
Time-Series Graph of MW-1A




Selenium
Time-Series Graph of MW-1A
0.01
0.008
0.006
0.004
0.002
0
Concentration (mg/L)
9/1/1994
6/30/1996
4/30/1998
2/28/2000
12/28/2001
10/28/2003
8/27/2005
6/27/2007
Sample Date

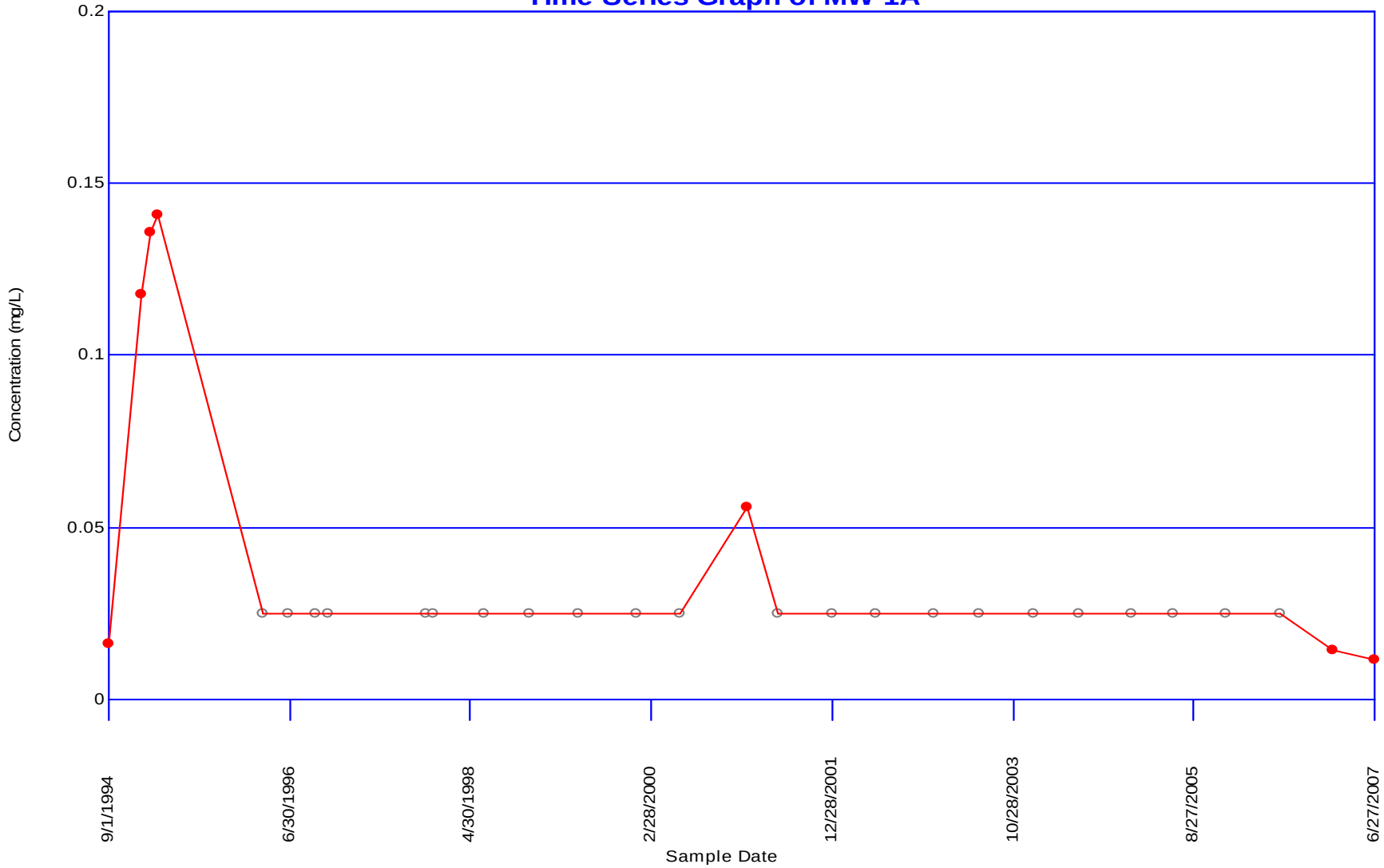
Vanadium

Time-Series Graph of MW-1A



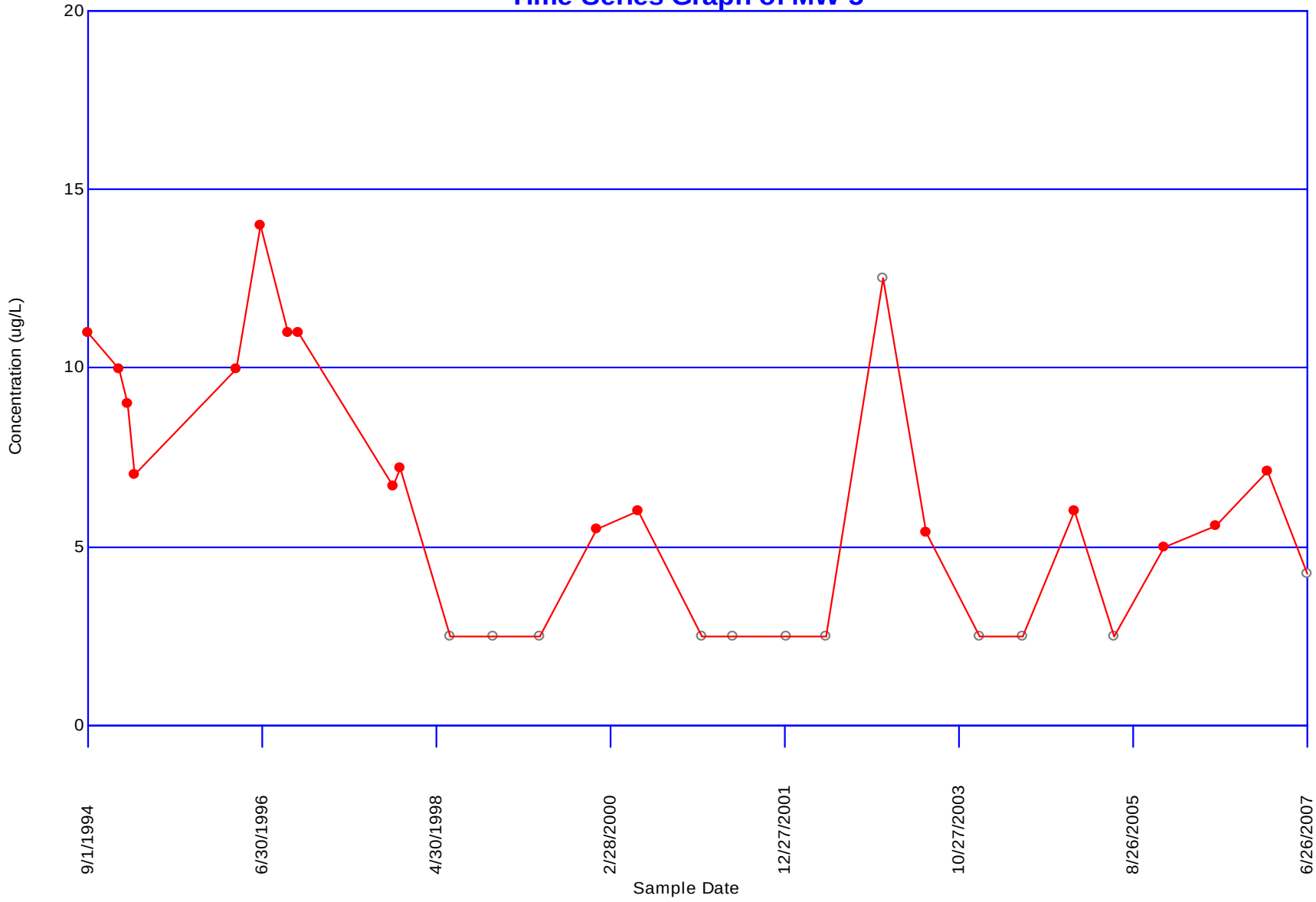
Zinc

Time-Series Graph of MW-1A



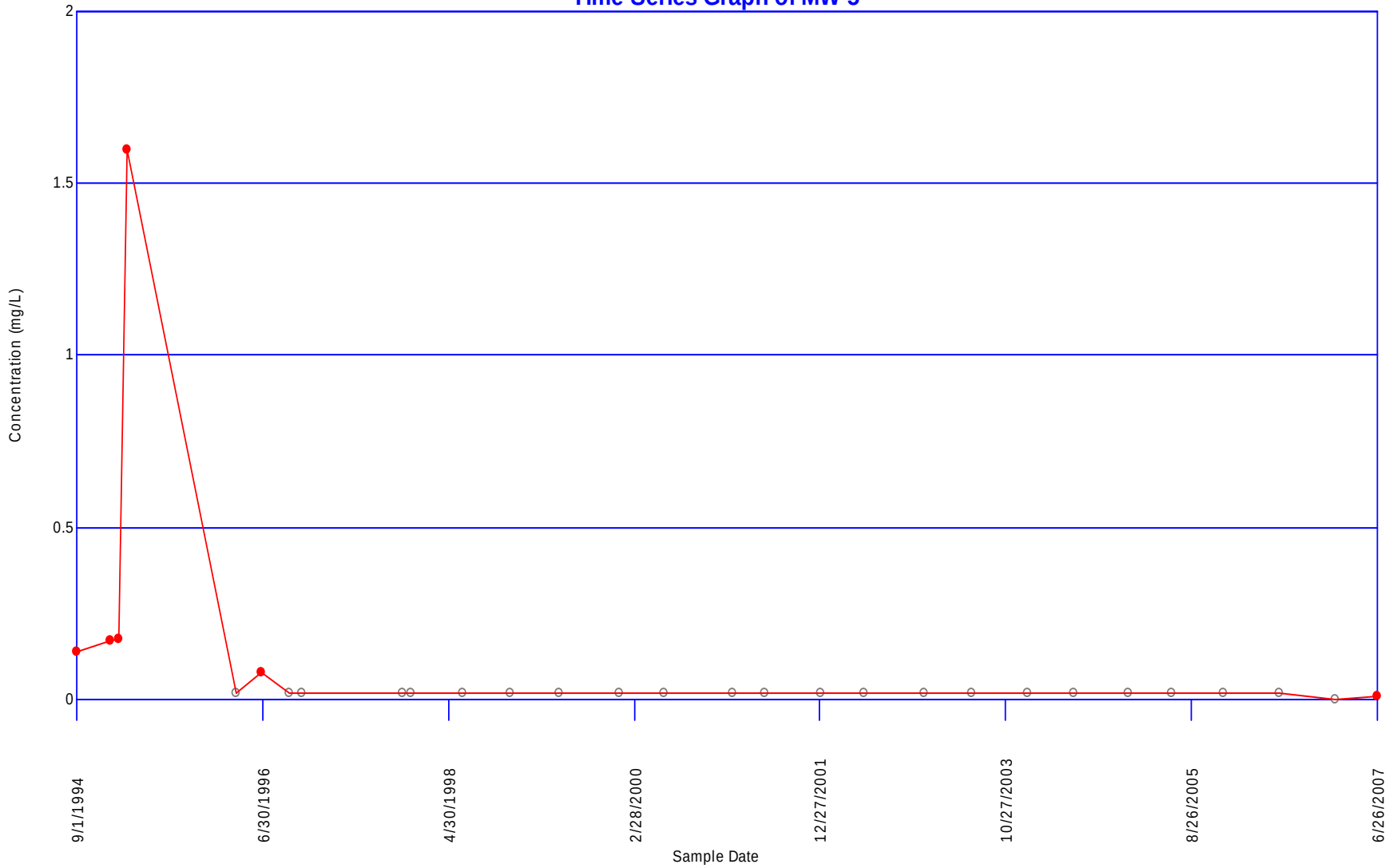
Benzene

Time-Series Graph of MW-5



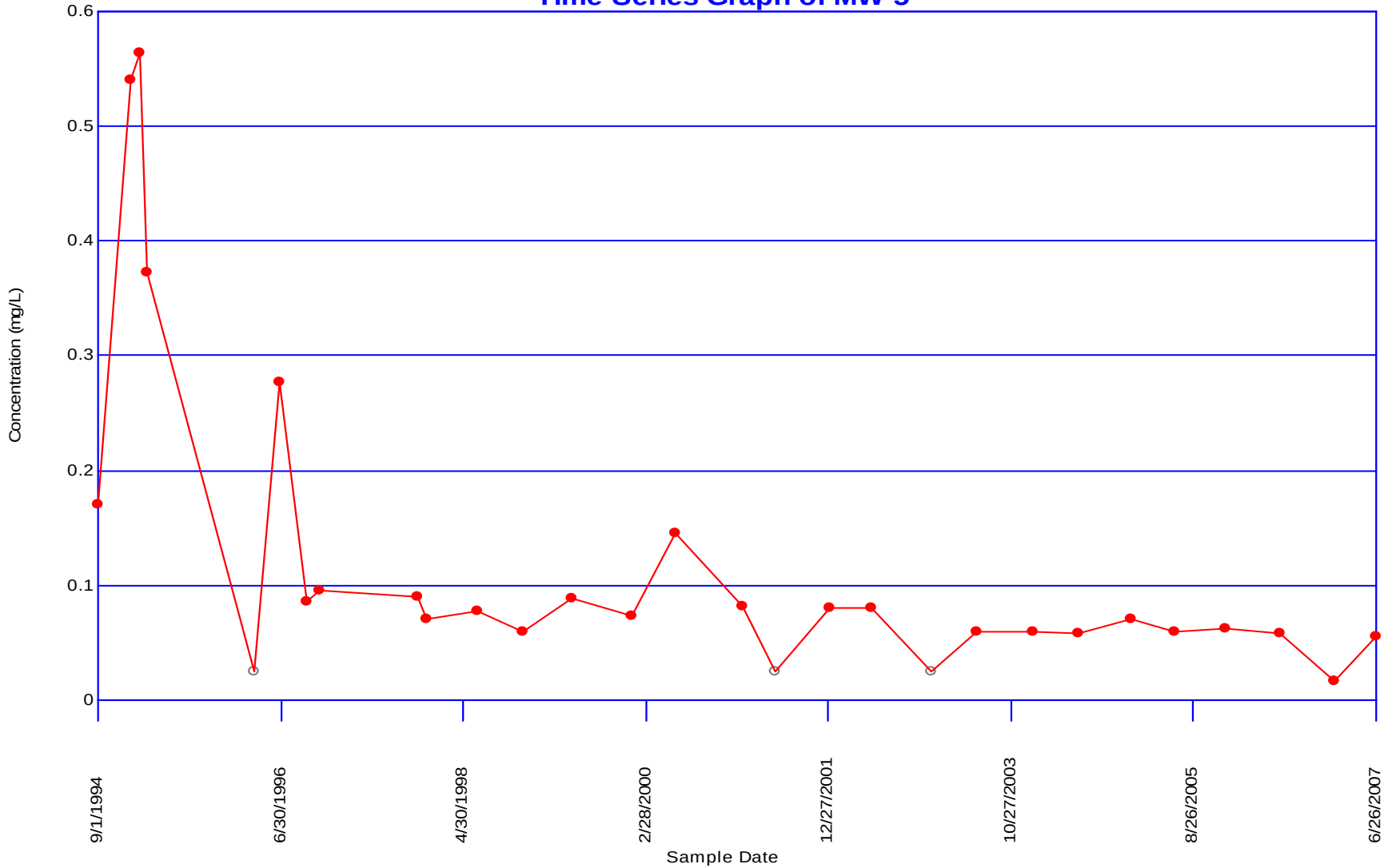
Vanadium

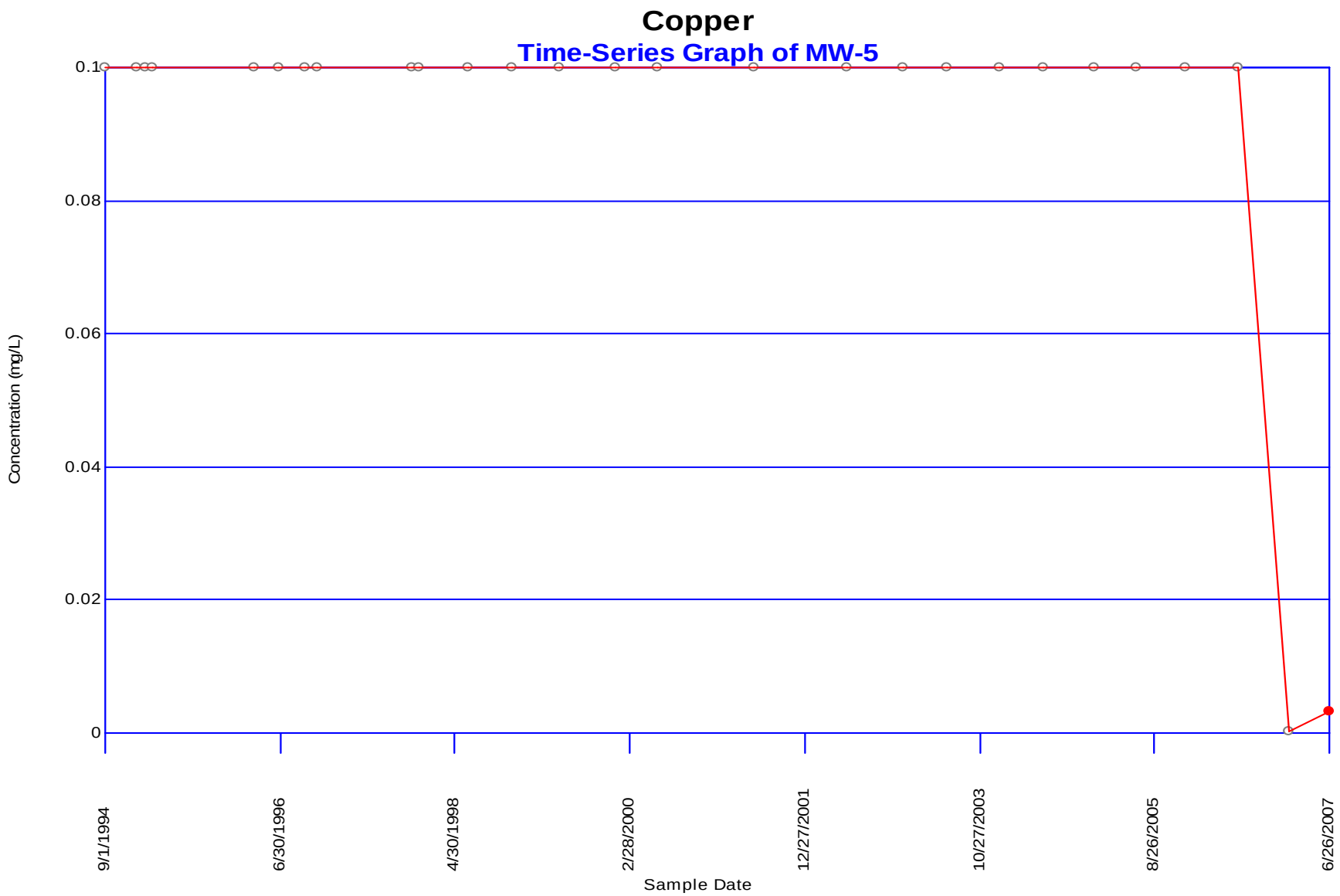
Time-Series Graph of MW-5

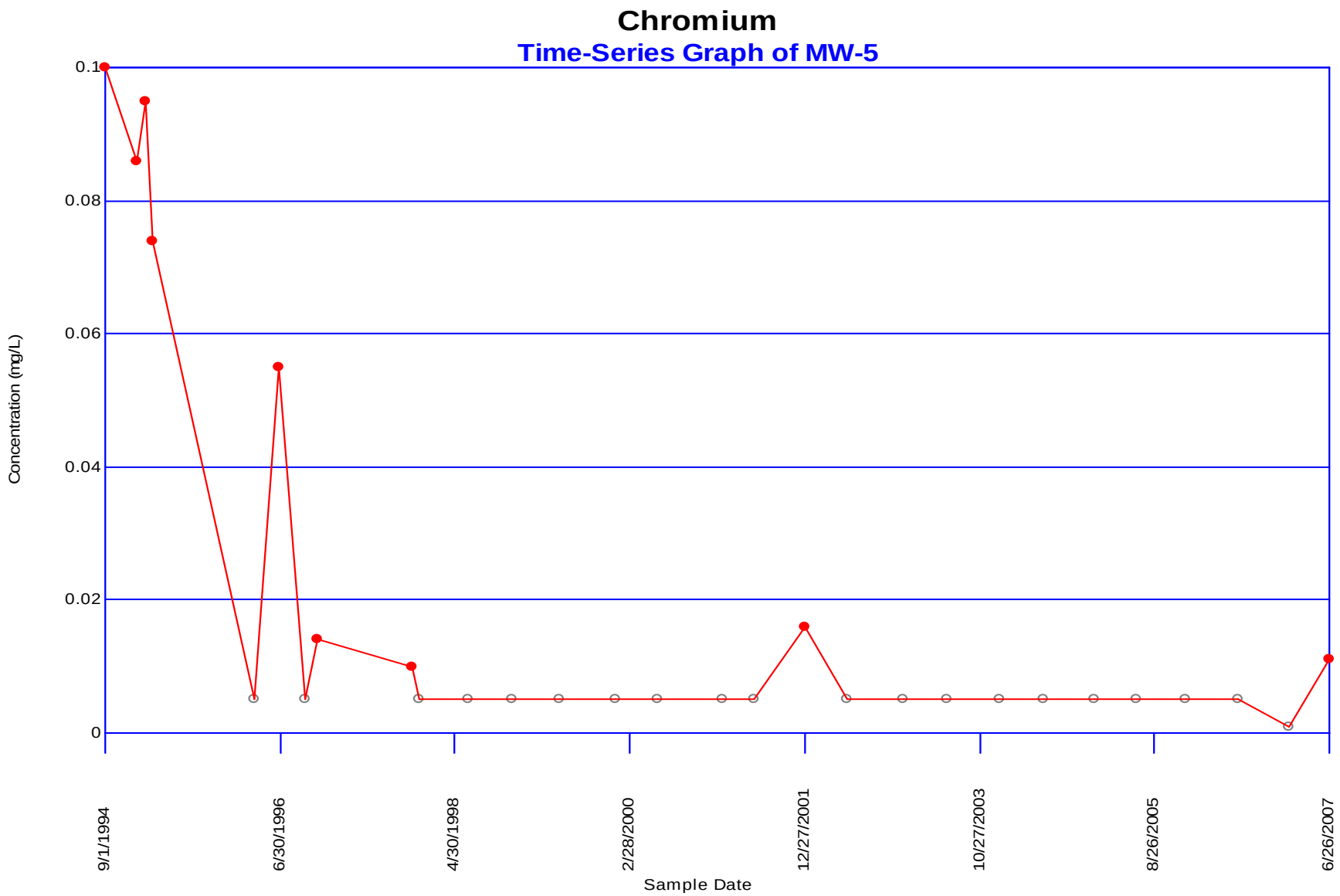


Zinc

Time-Series Graph of MW-5

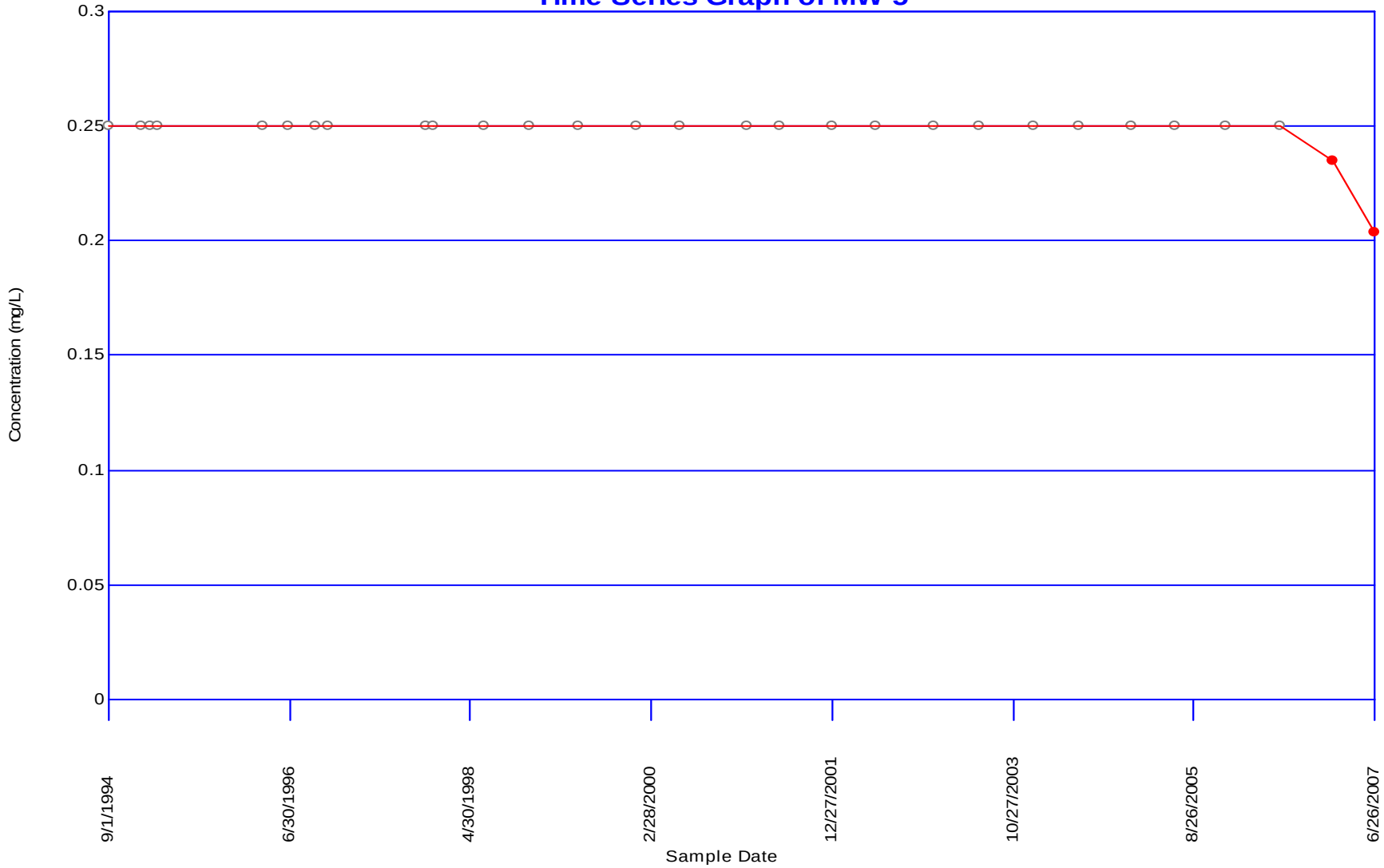


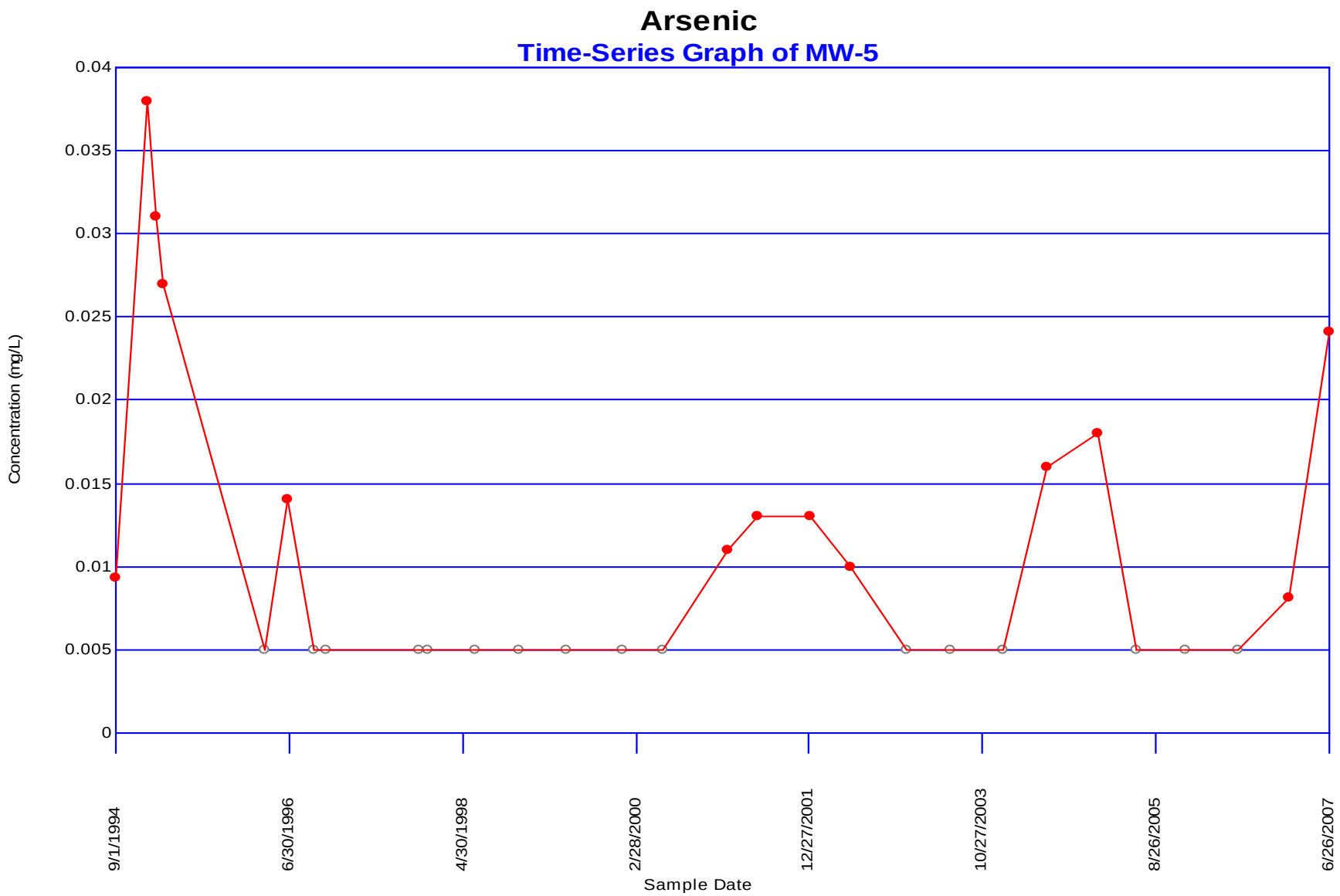

Copper
Time-Series Graph of MW-5
Concentration (mg/L)
0.1
0.08
0.06
0.04
0.02
0
9/1/1994
6/30/1996
4/30/1998
2/28/2000
12/27/2001
10/27/2003
8/26/2005
6/26/2007
Sample Date

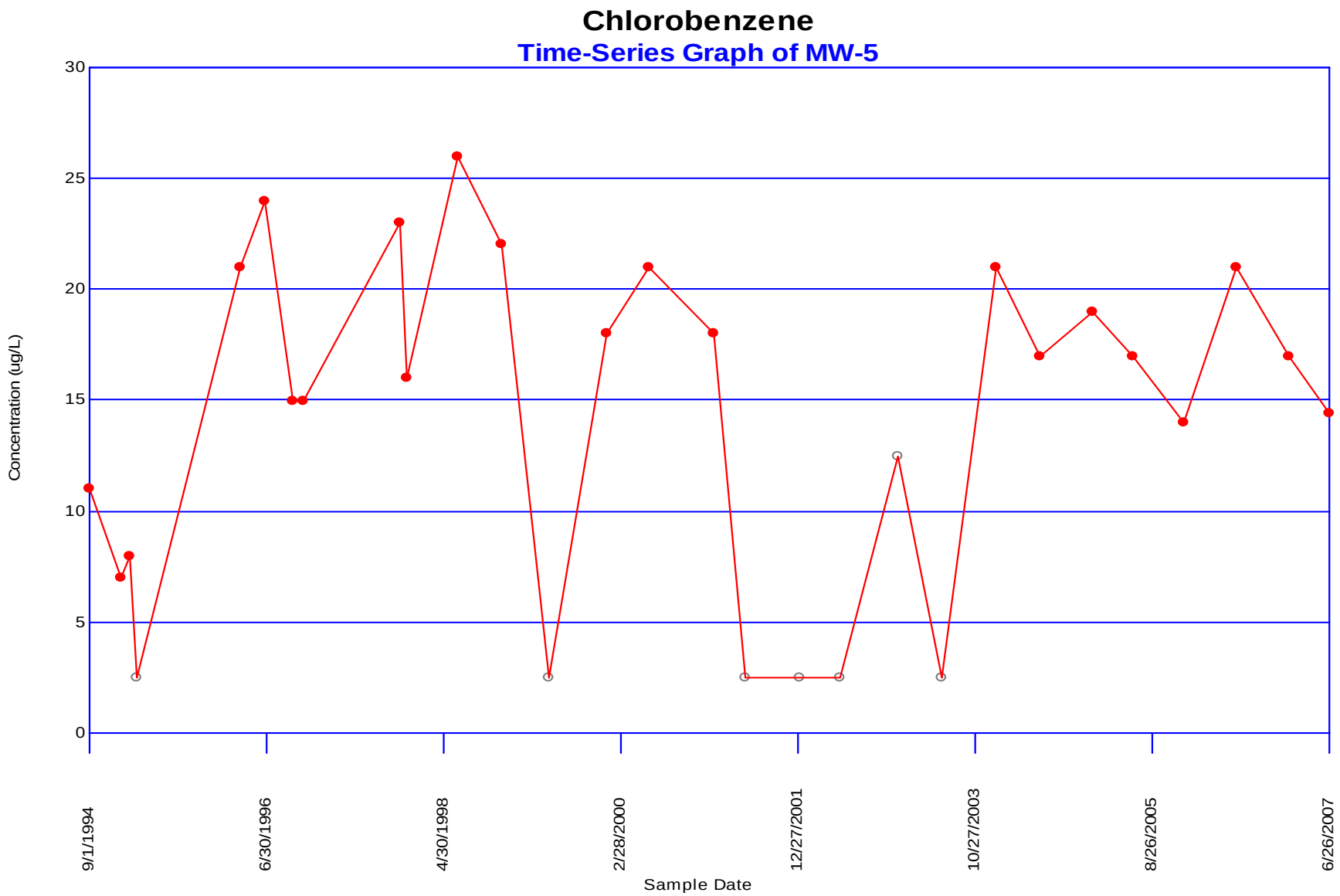

Chromium
Time-Series Graph of MW-5
Concentration (mg/L)
0.1
0.08
0.06
0.04
0.02
0
9/1/1994
6/30/1996
4/30/1998
2/28/2000
12/27/2001
10/27/2003
8/26/2005
6/26/2007
Sample Date

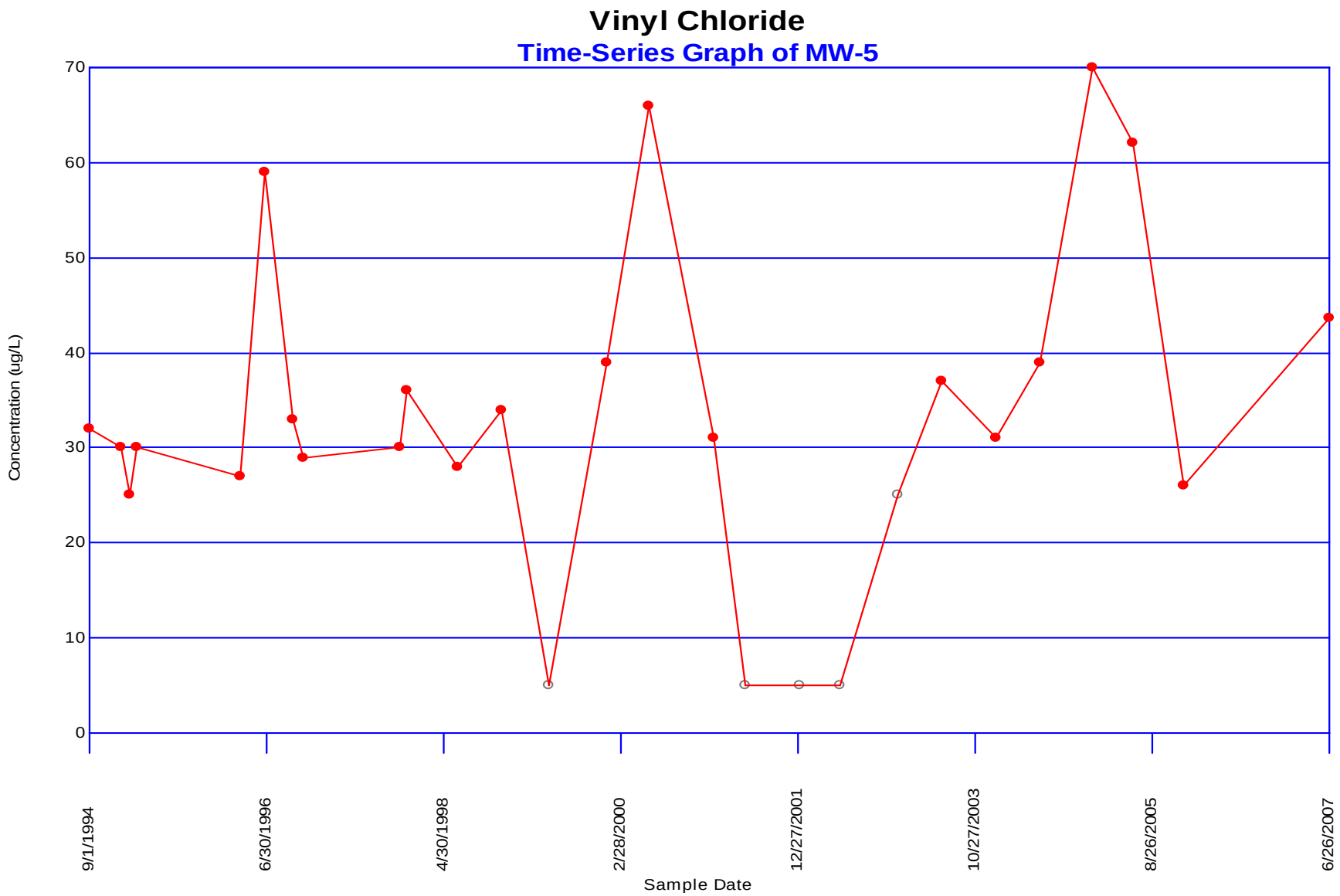
Barium

Time-Series Graph of MW-5



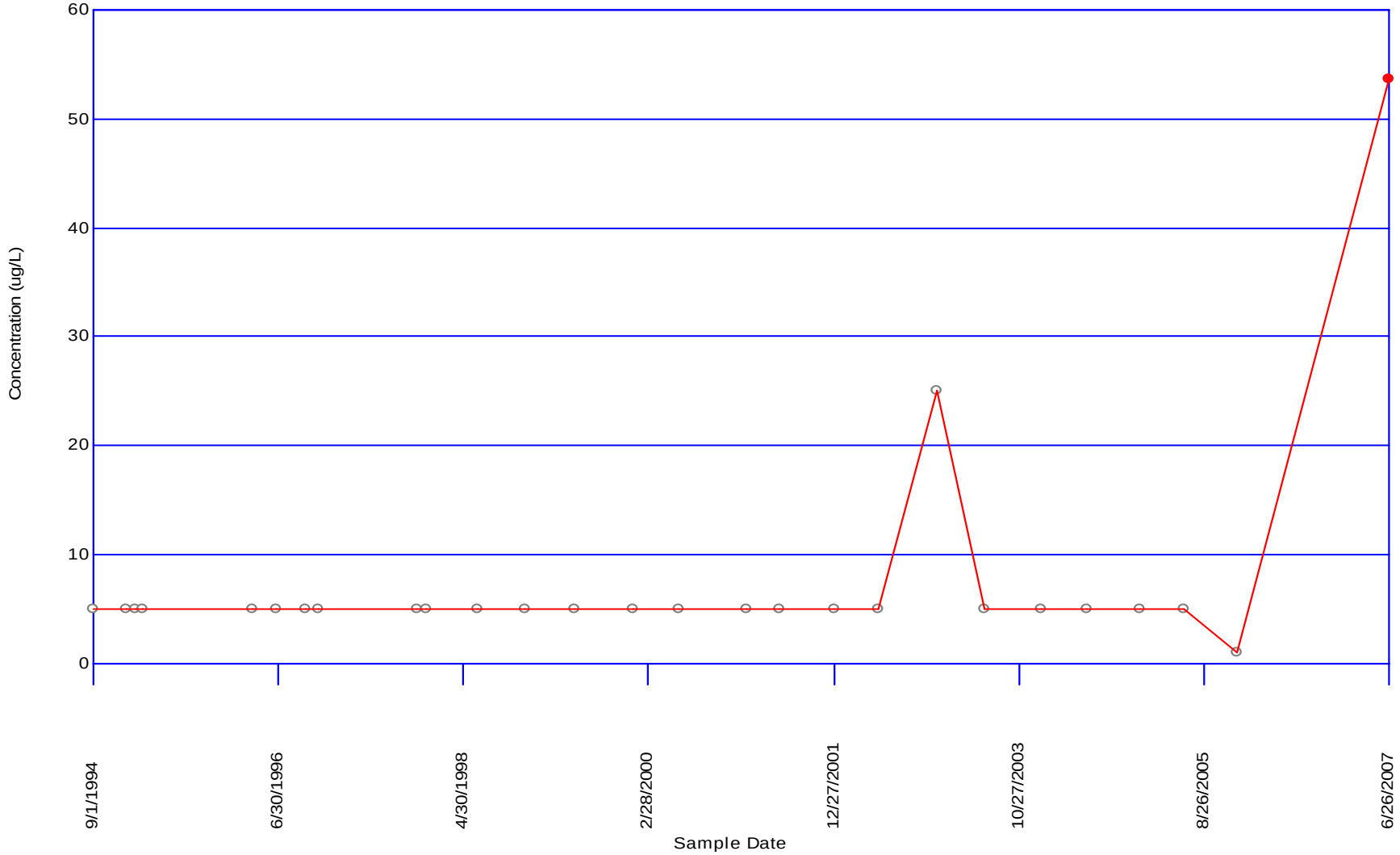

Arsenic
Time-Series Graph of MW-5
Concentration (mg/L)
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
9/1/1994
6/30/1996
4/30/1998
2/28/2000
12/27/2001
10/27/2003
8/26/2005
6/26/2007
Sample Date


Chlorobenzene
Time-Series Graph of MW-5
Concentration (ug/L)
30
25
20
15
10
5
0
9/1/1994
6/30/1996
4/30/1998
2/28/2000
12/27/2001
10/27/2003
8/26/2005
6/26/2007
Sample Date


Vinyl Chloride
Time-Series Graph of MW-5
Concentration (ug/L)
70
60
50
40
30
20
10
0
9/1/1994
6/30/1996
4/30/1998
2/28/2000
12/27/2001
10/27/2003
8/26/2005
6/26/2007
Sample Date

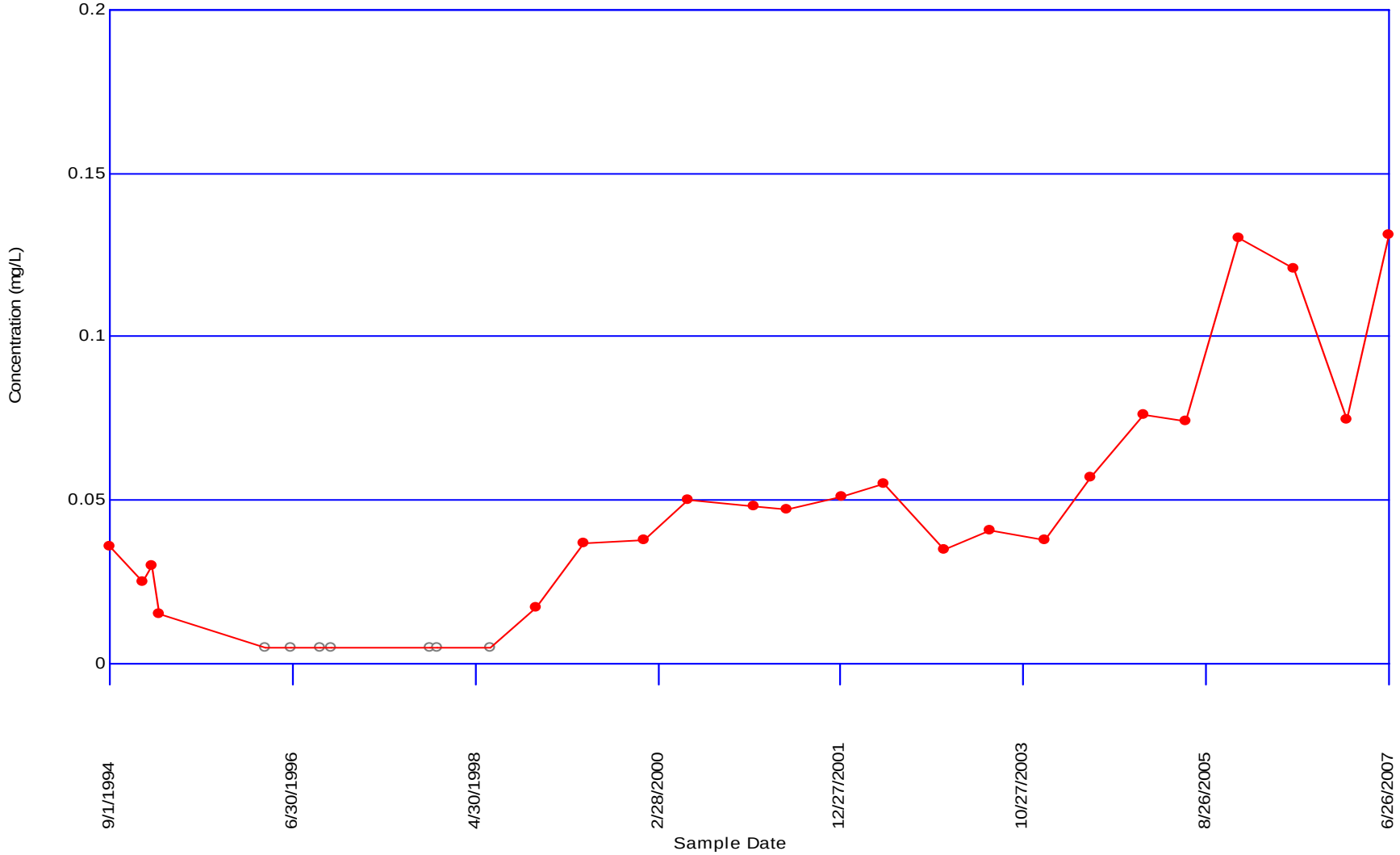
Methylene Chloride

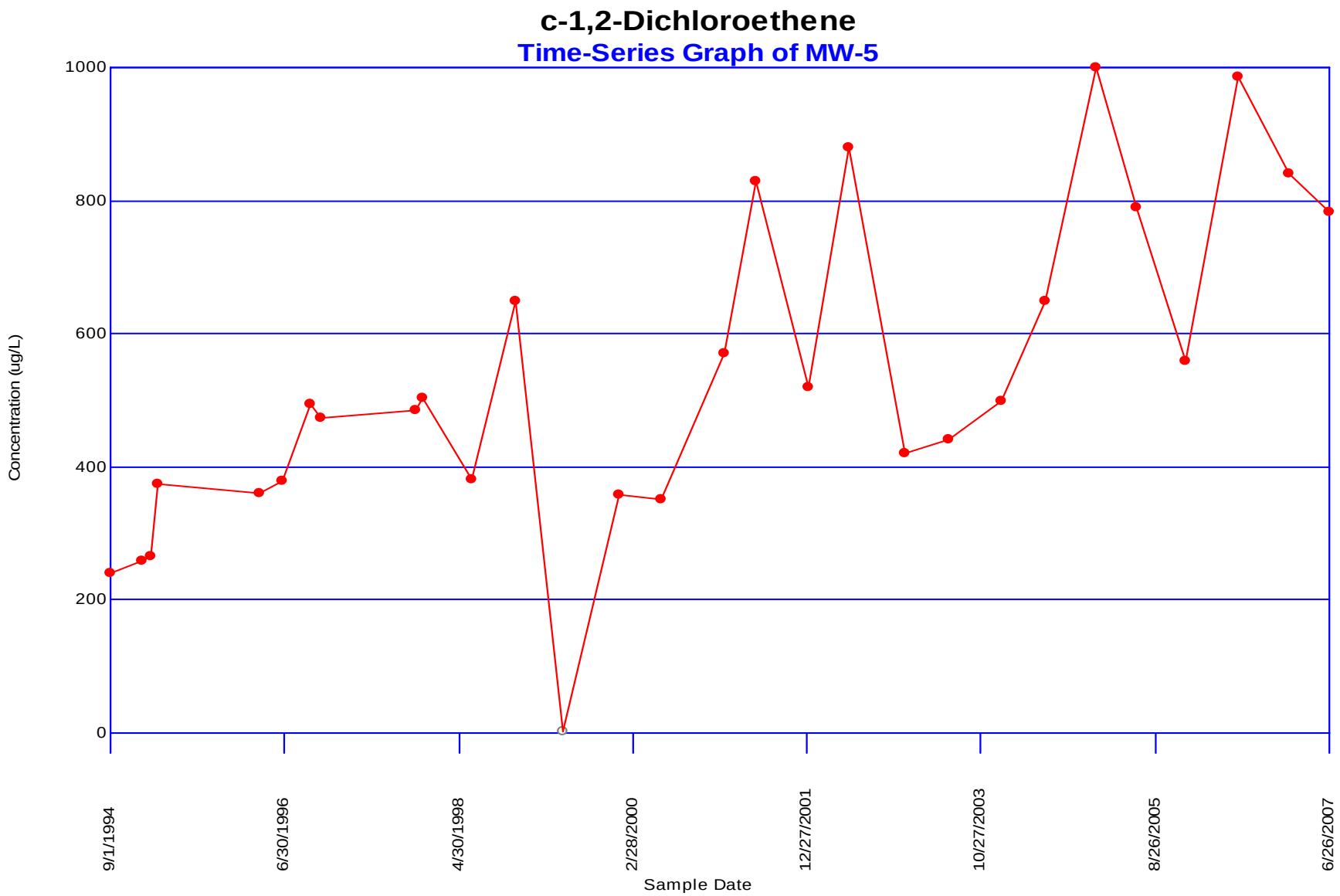
Time-Series Graph of MW-5



Cobalt

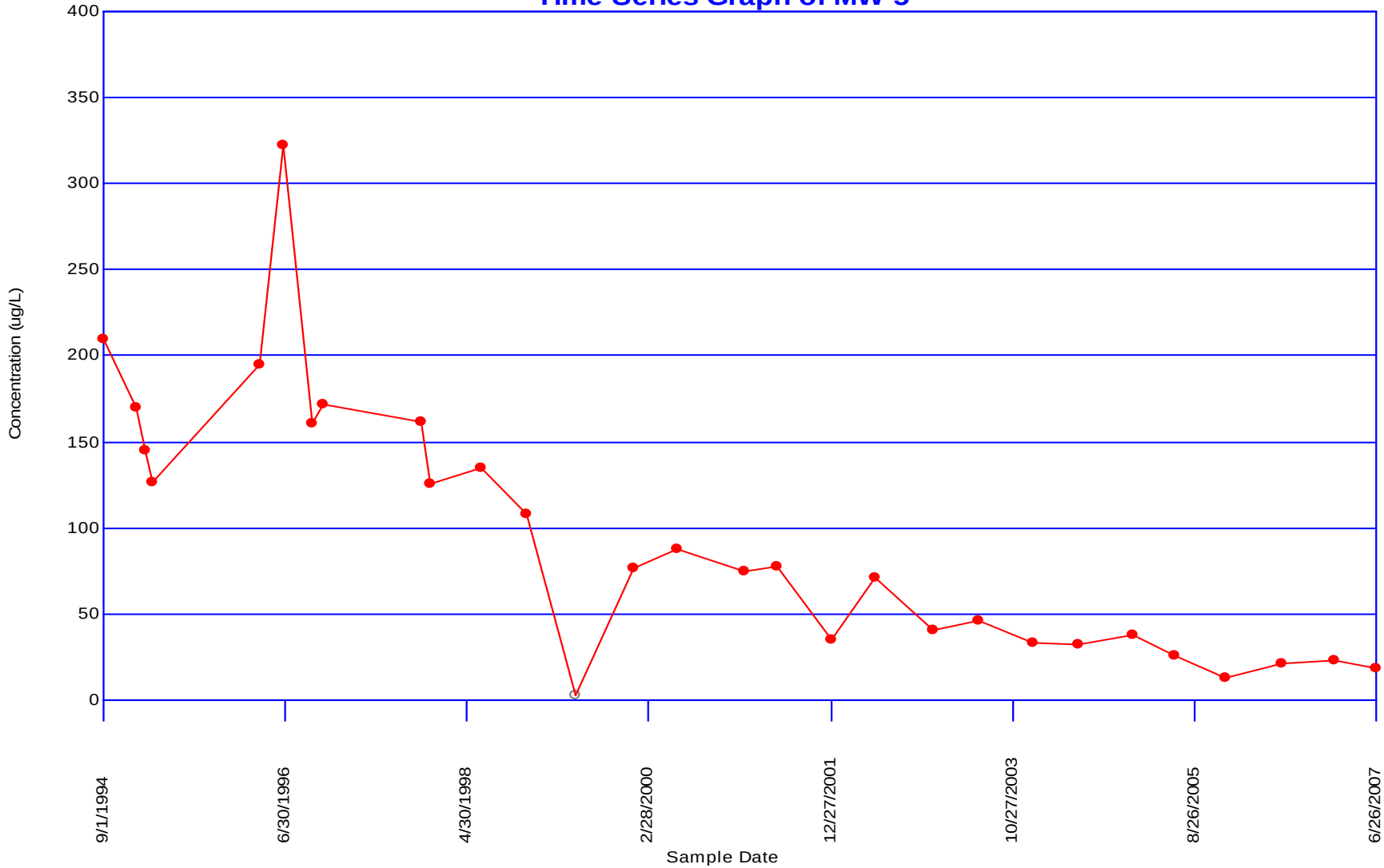
Time-Series Graph of MW-5




c-1,2-Dichloroethene
Time-Series Graph of MW-5
Concentration (ug/L)
1000
800
600
400
200
0
9/1/1994
6/30/1996
4/30/1998
2/28/2000
12/27/2001
10/27/2003
8/26/2005
6/26/2007
Sample Date

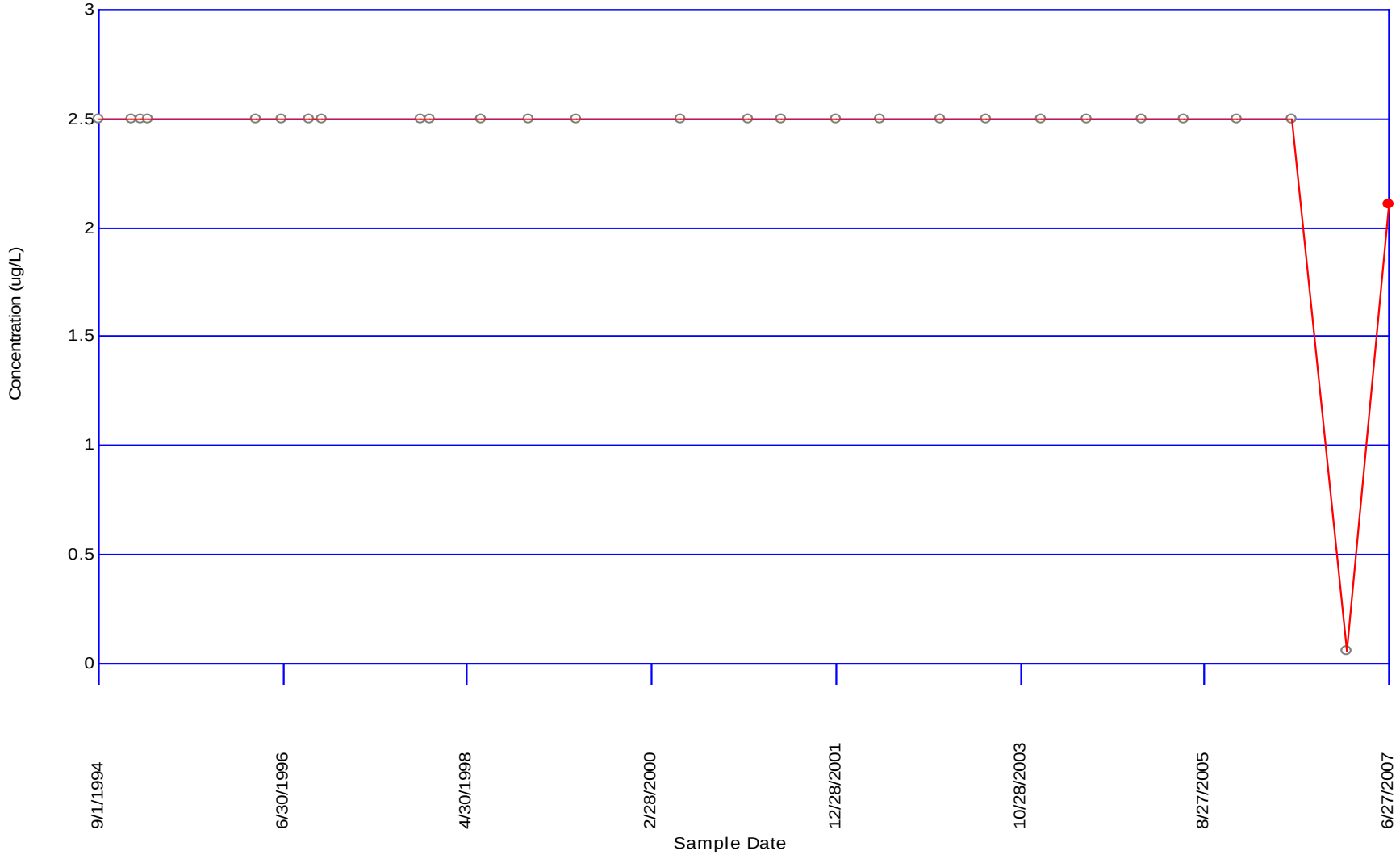
1,1-Dichloroethane

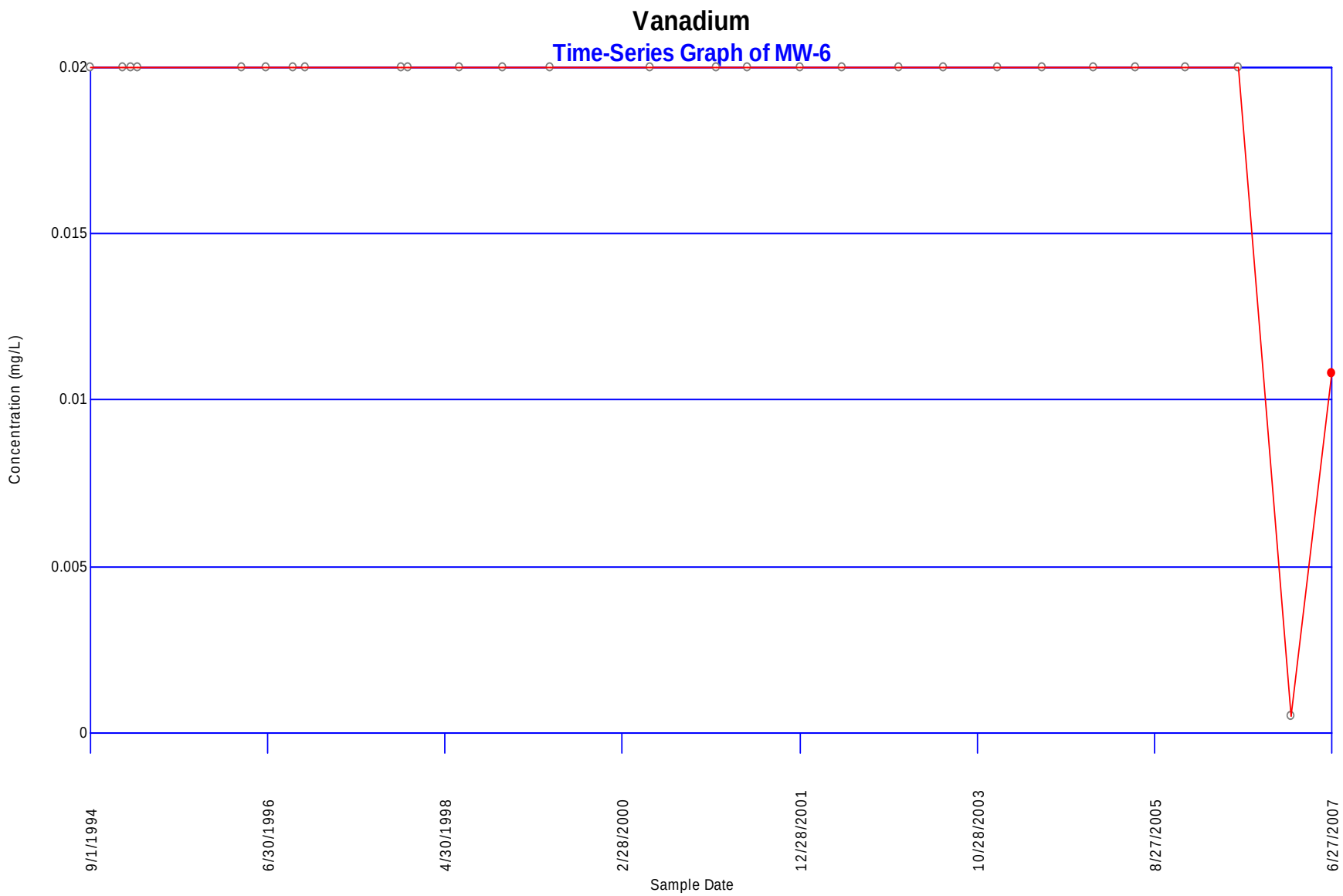
Time-Series Graph of MW-5



Benzene

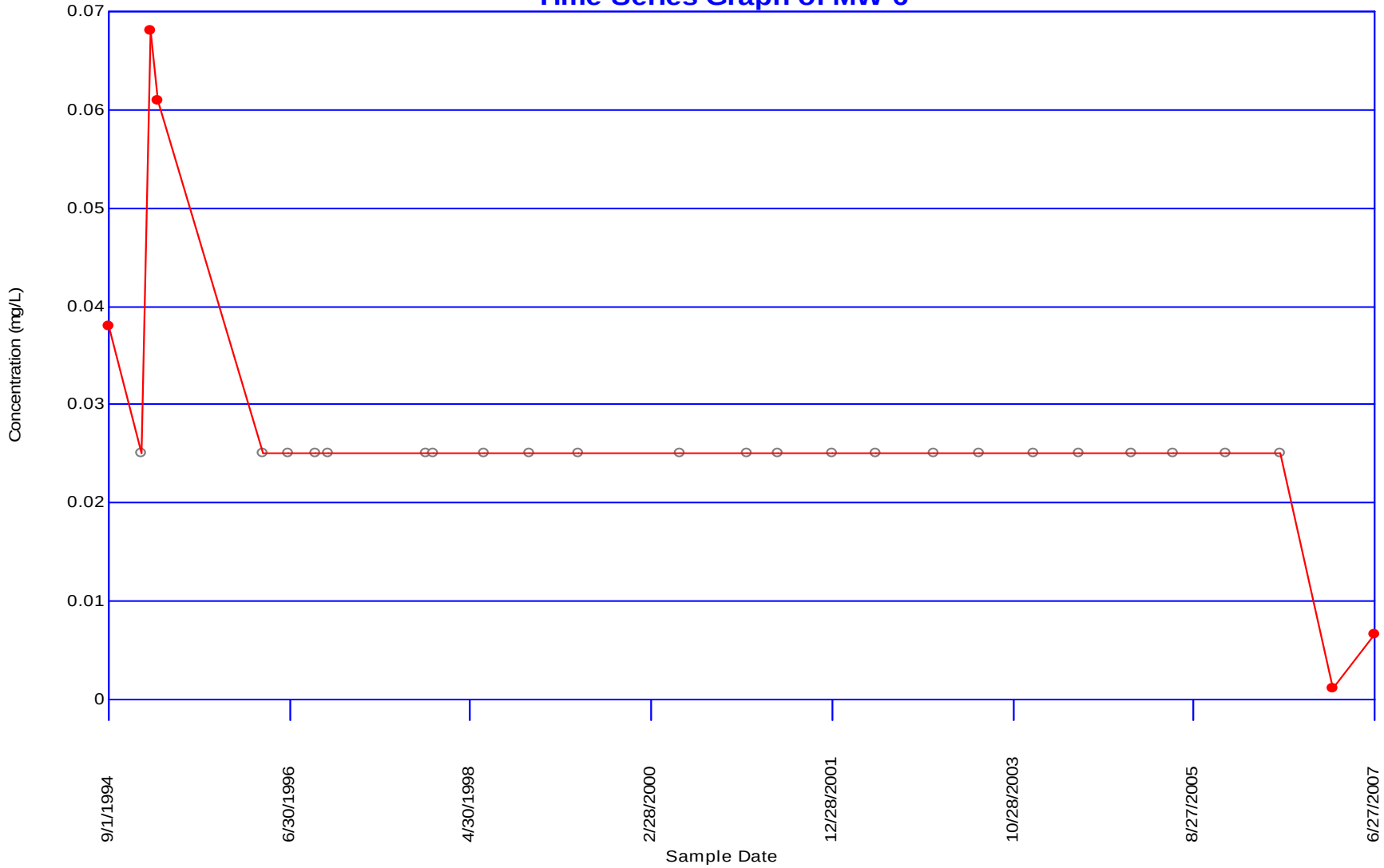
Time-Series Graph of MW-6

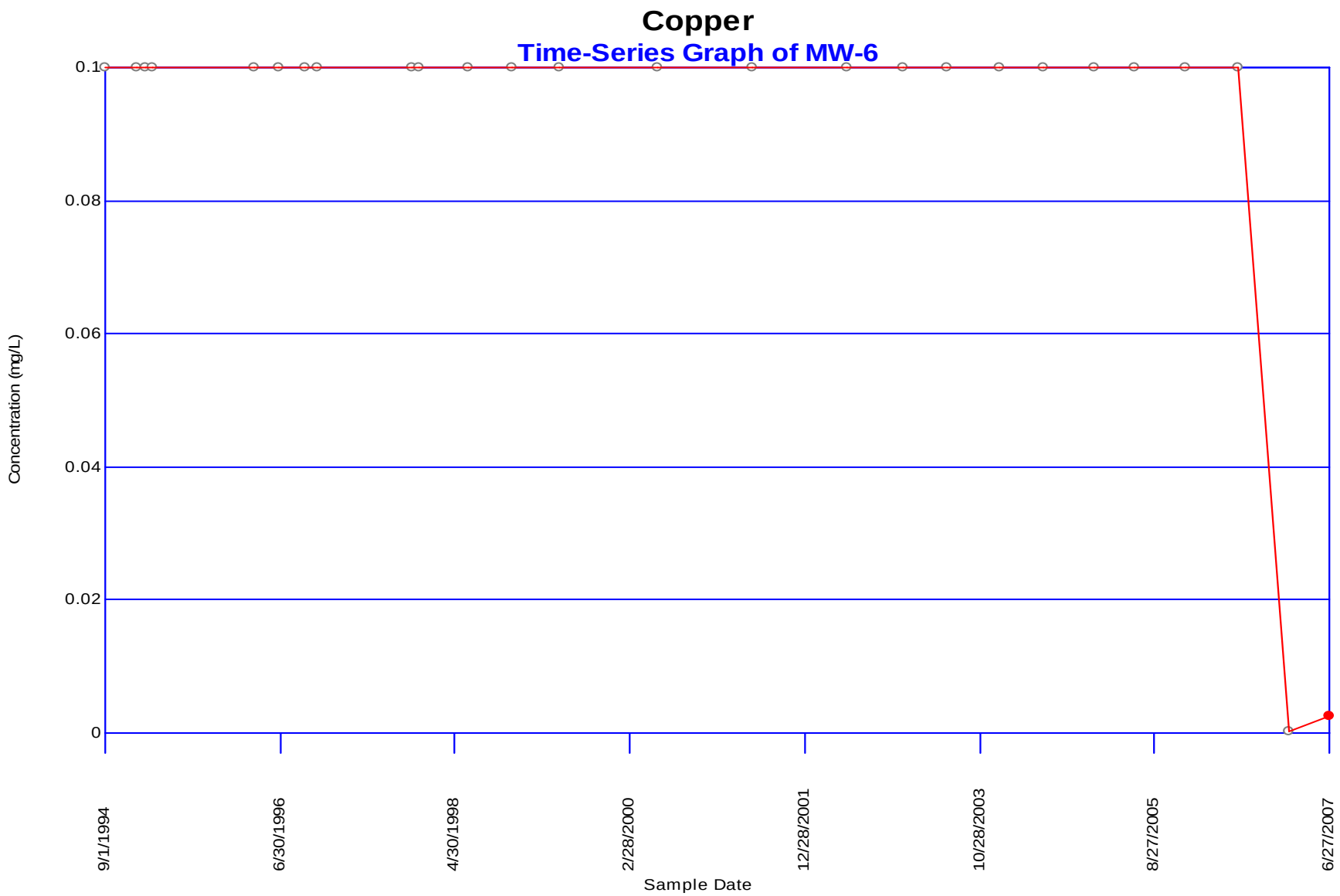


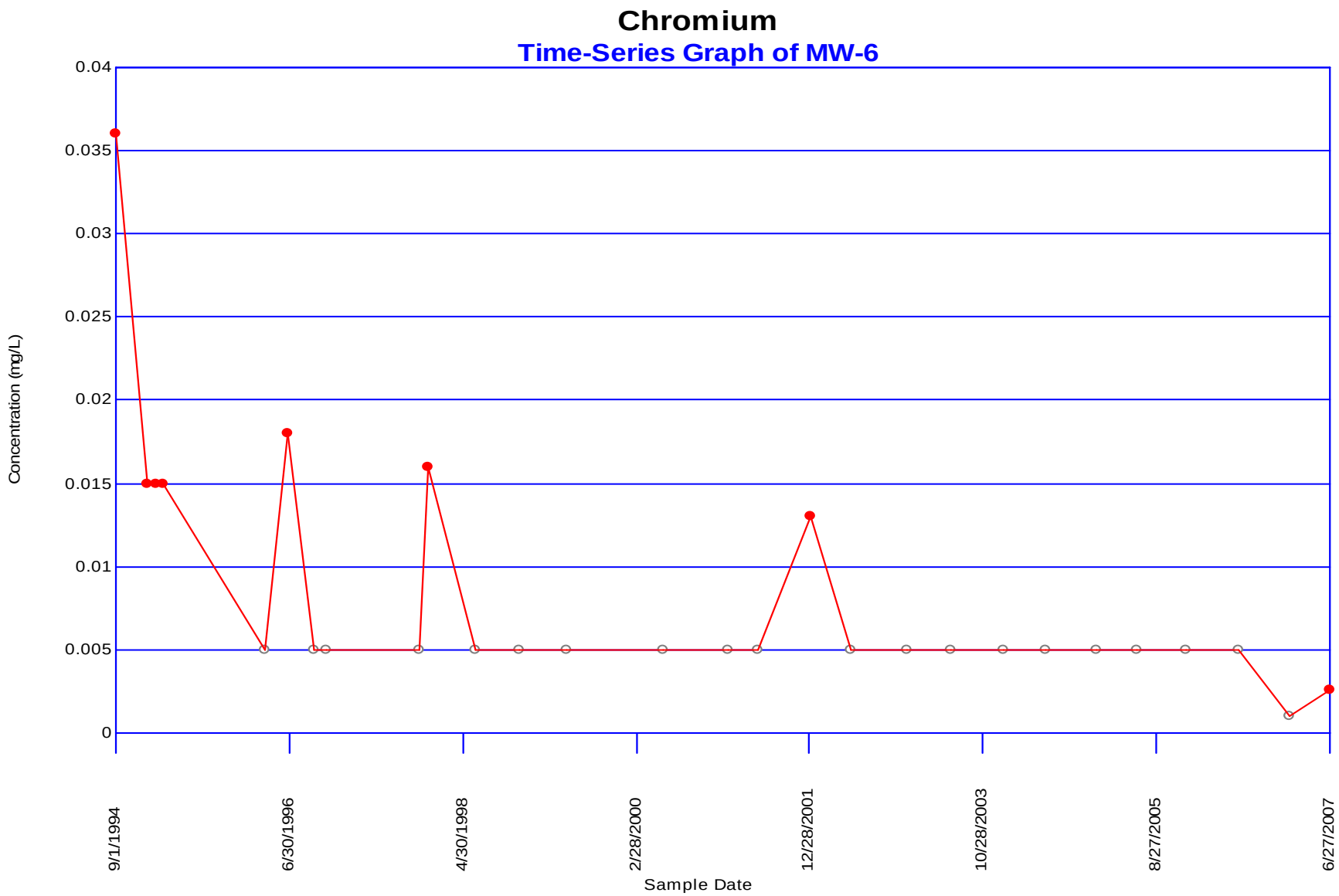

Vanadium
Time-Series Graph of MW-6
0.02
0.015
0.01
0.005
0
Concentration (mg/L)
9/1/1994
6/30/1996
4/30/1998
2/28/2000
12/28/2001
10/28/2003
8/27/2005
6/27/2007
Sample Date

Zinc

Time-Series Graph of MW-6

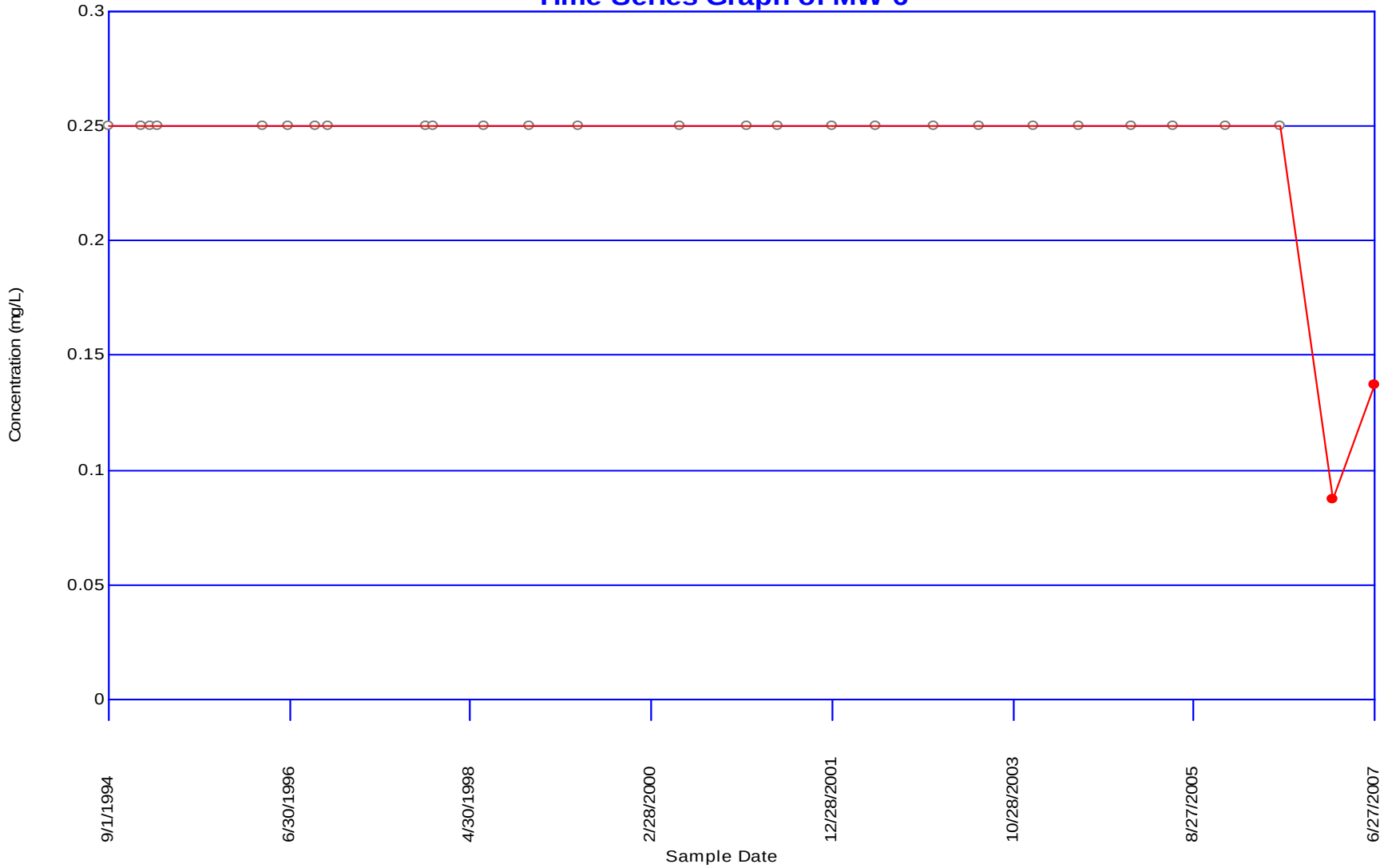



Copper
Time-Series Graph of MW-6
Concentration (mg/L)
0.1
0.08
0.06
0.04
0.02
0
9/1/1994
6/30/1996
4/30/1998
2/28/2000
12/28/2001
10/28/2003
8/27/2005
6/27/2007
Sample Date


Chromium
Time-Series Graph of MW-6
Concentration (mg/L)
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
9/1/1994
6/30/1996
4/30/1998
2/28/2000
12/28/2001
10/28/2003
8/27/2005
6/27/2007
Sample Date

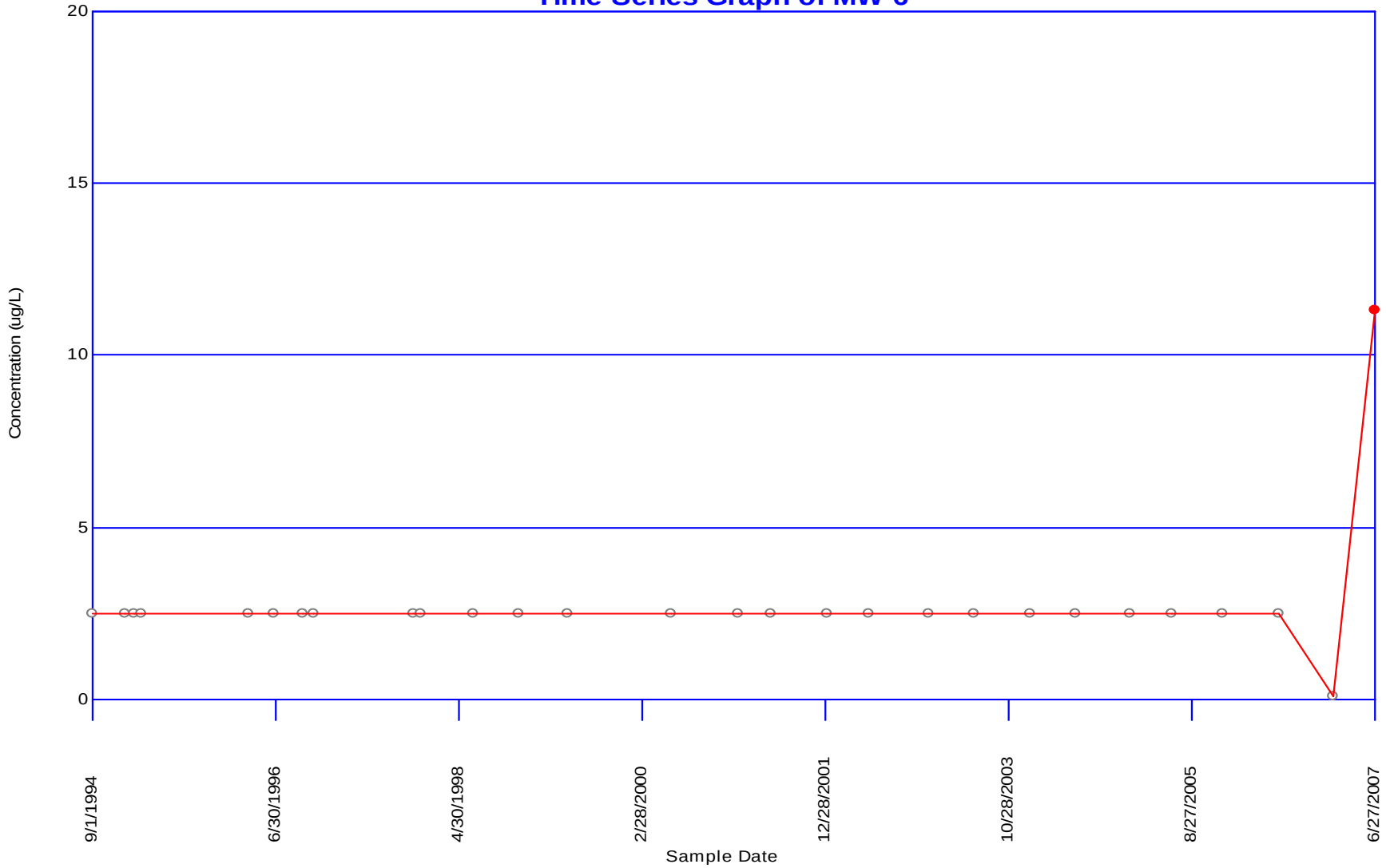
Barium

Time-Series Graph of MW-6



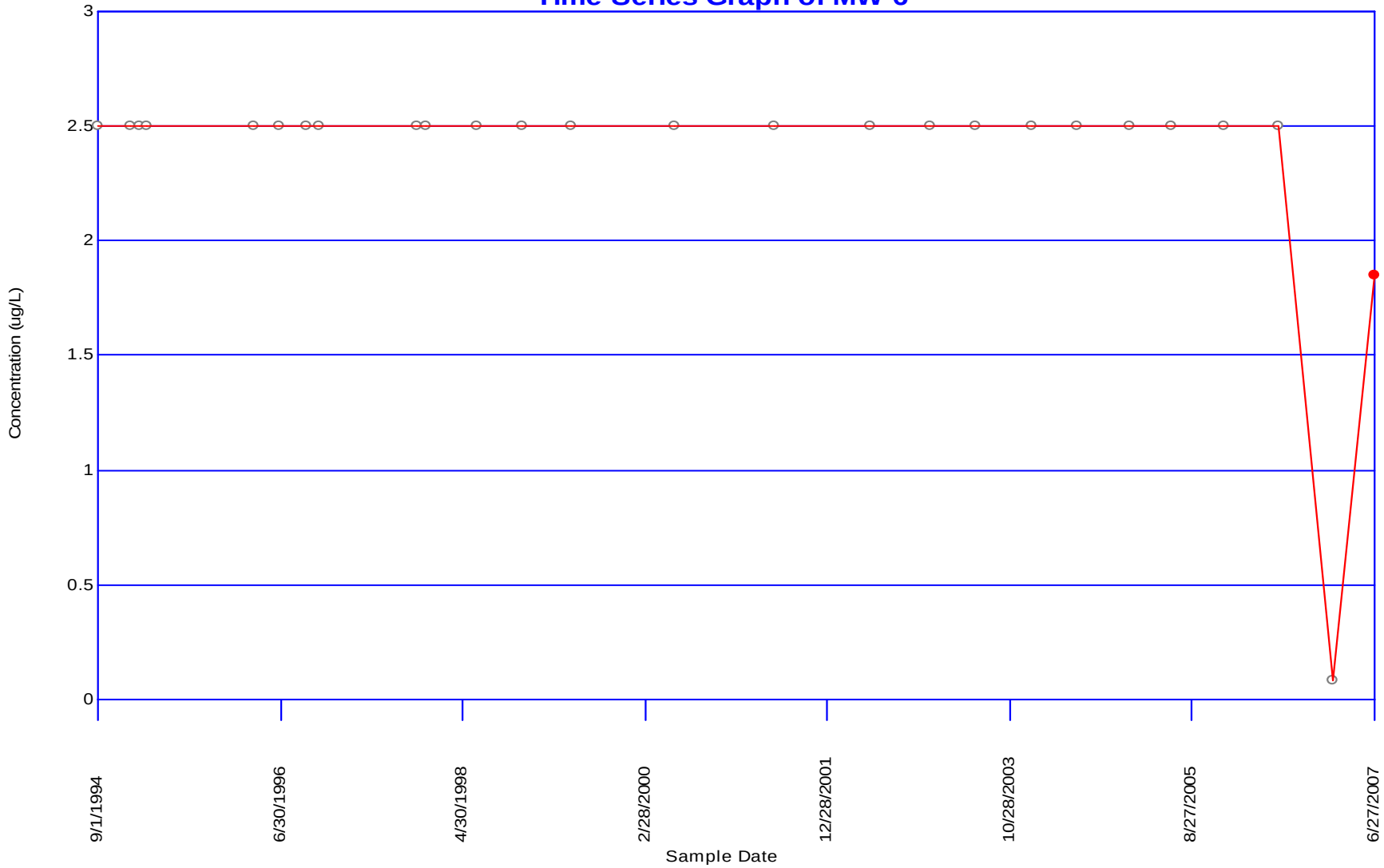
Toluene

Time-Series Graph of MW-6



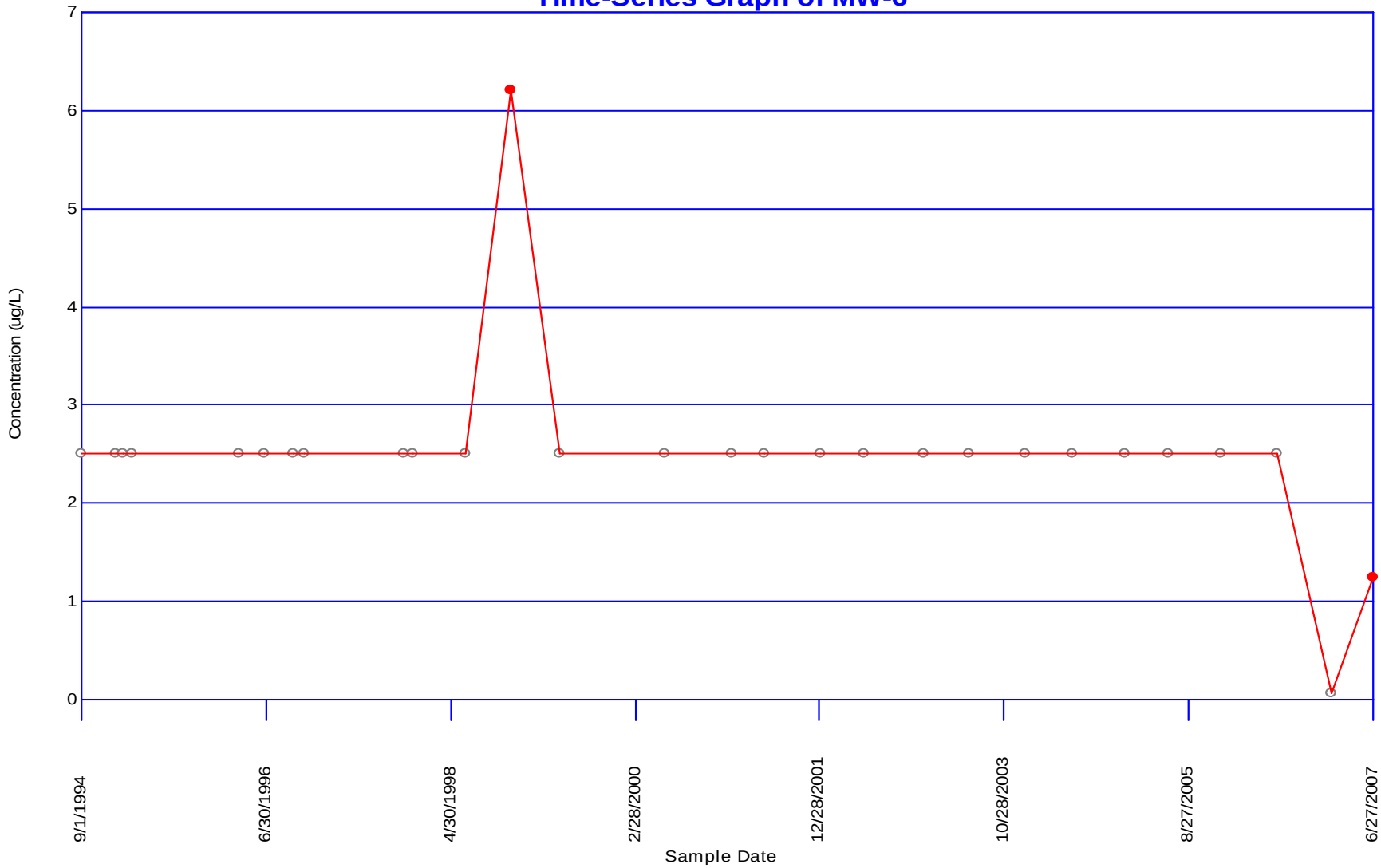
Ethylbenzene

Time-Series Graph of MW-6



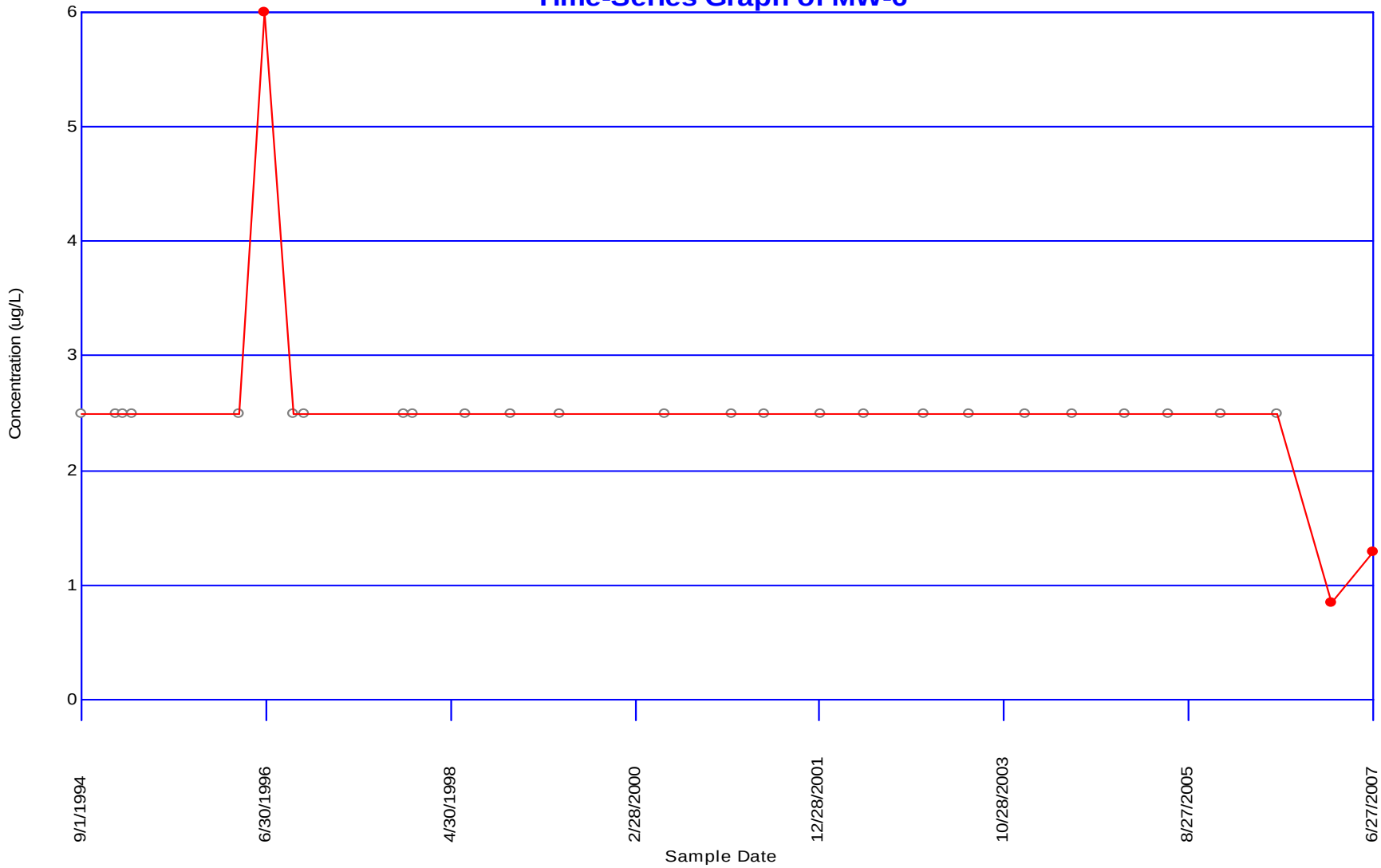
c-1,2-Dichloroethene

Time-Series Graph of MW-6



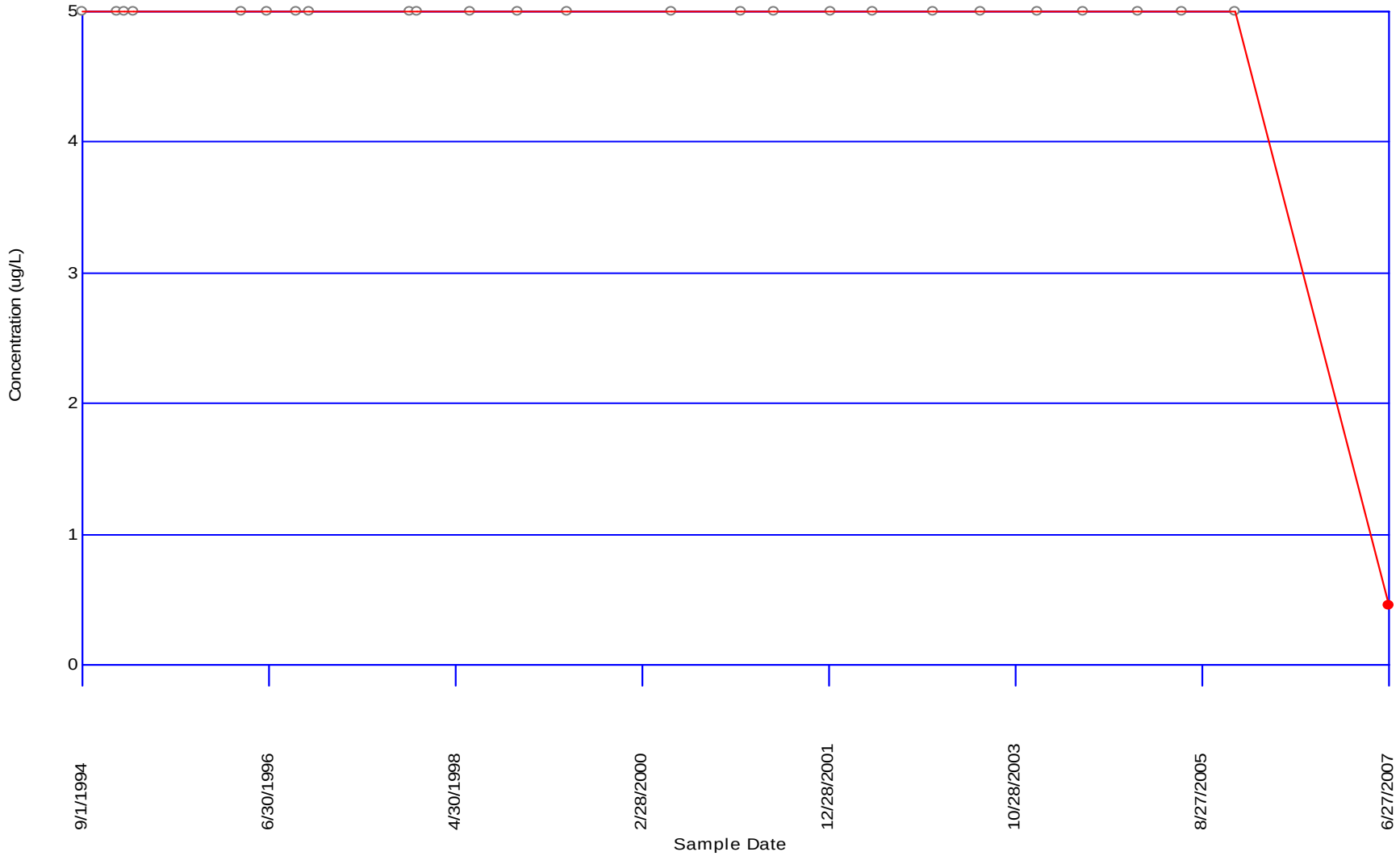
1,1-Dichloroethane

Time-Series Graph of MW-6



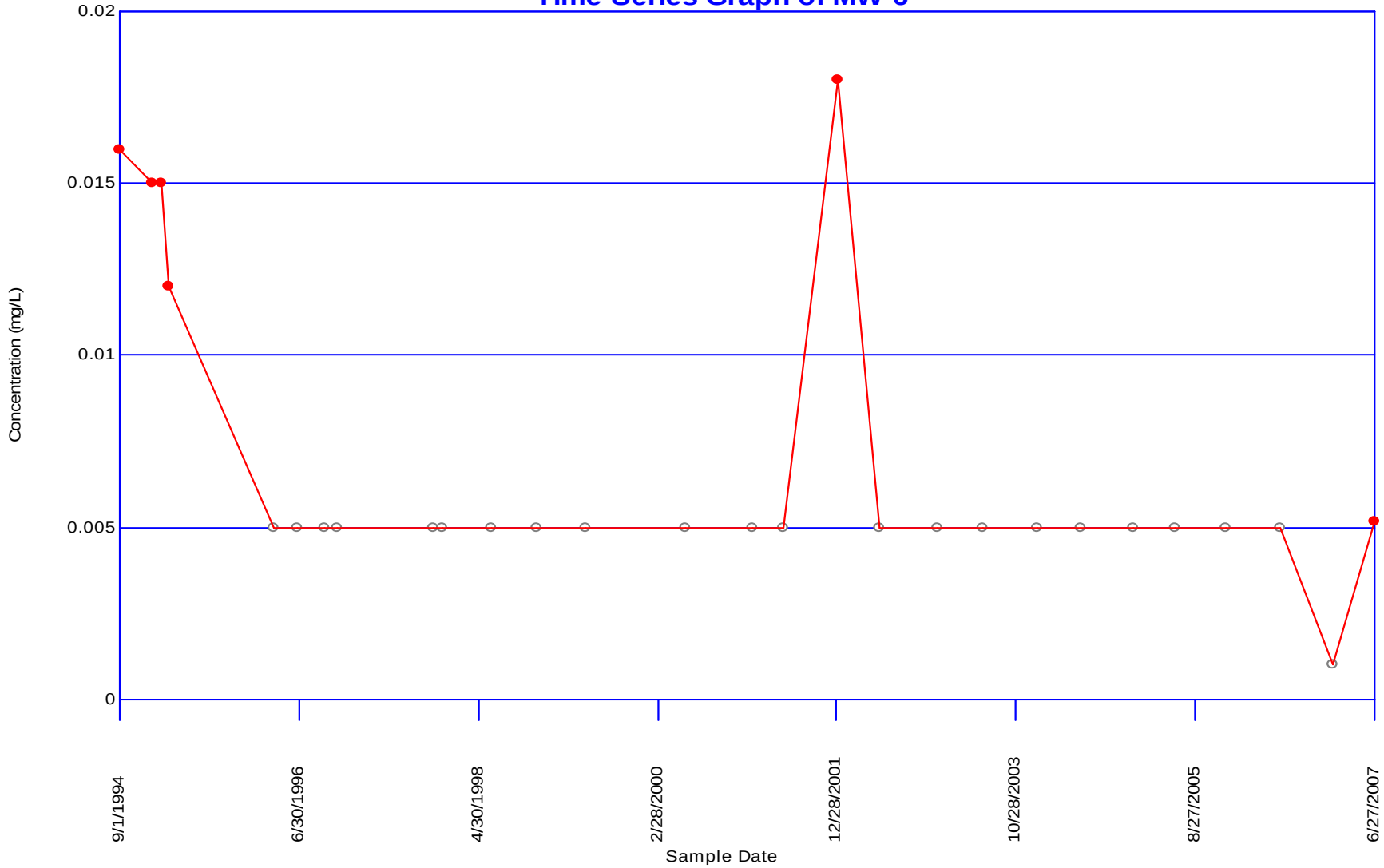
Vinyl Chloride

Time-Series Graph of MW-6



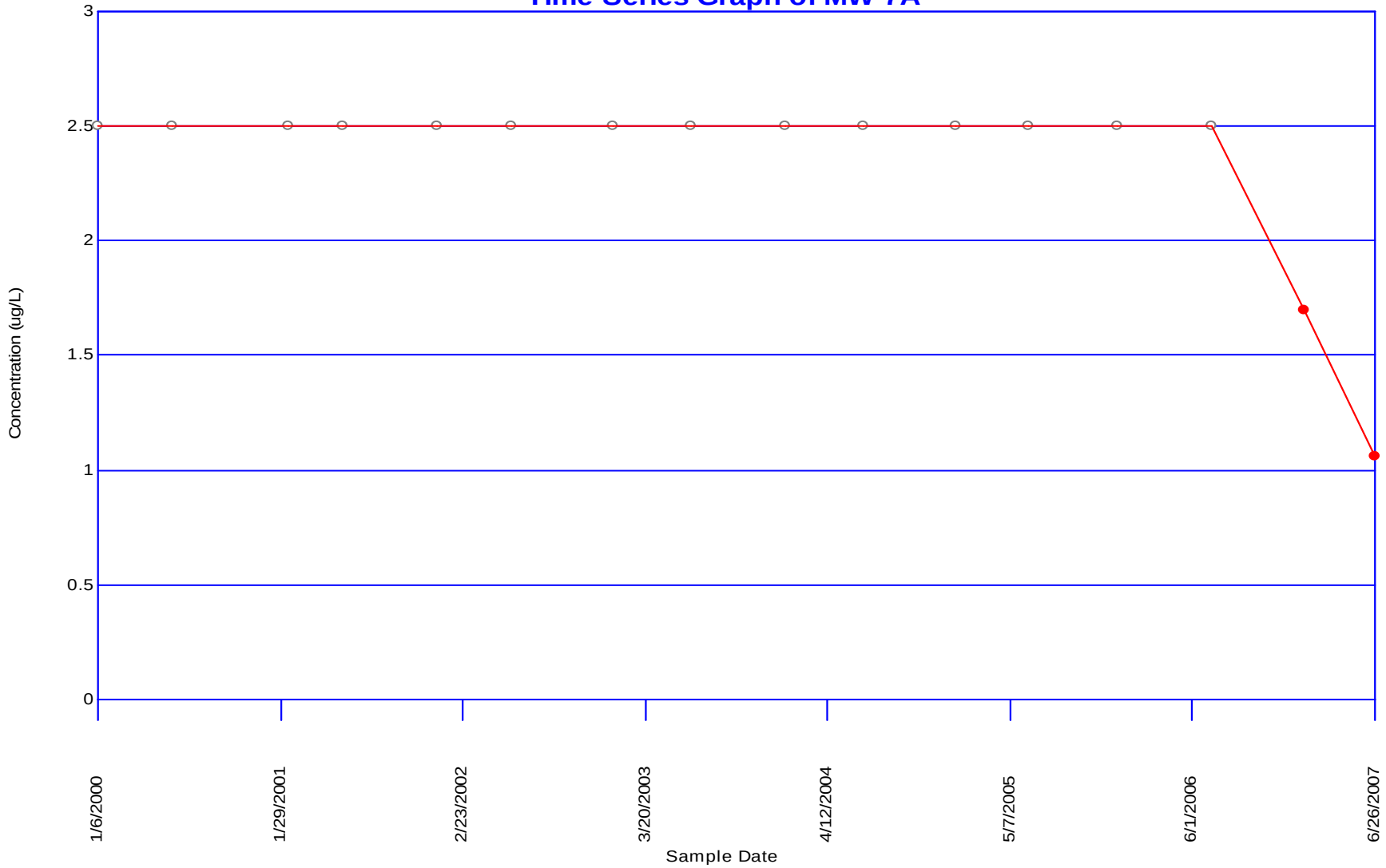
Cobalt

Time-Series Graph of MW-6



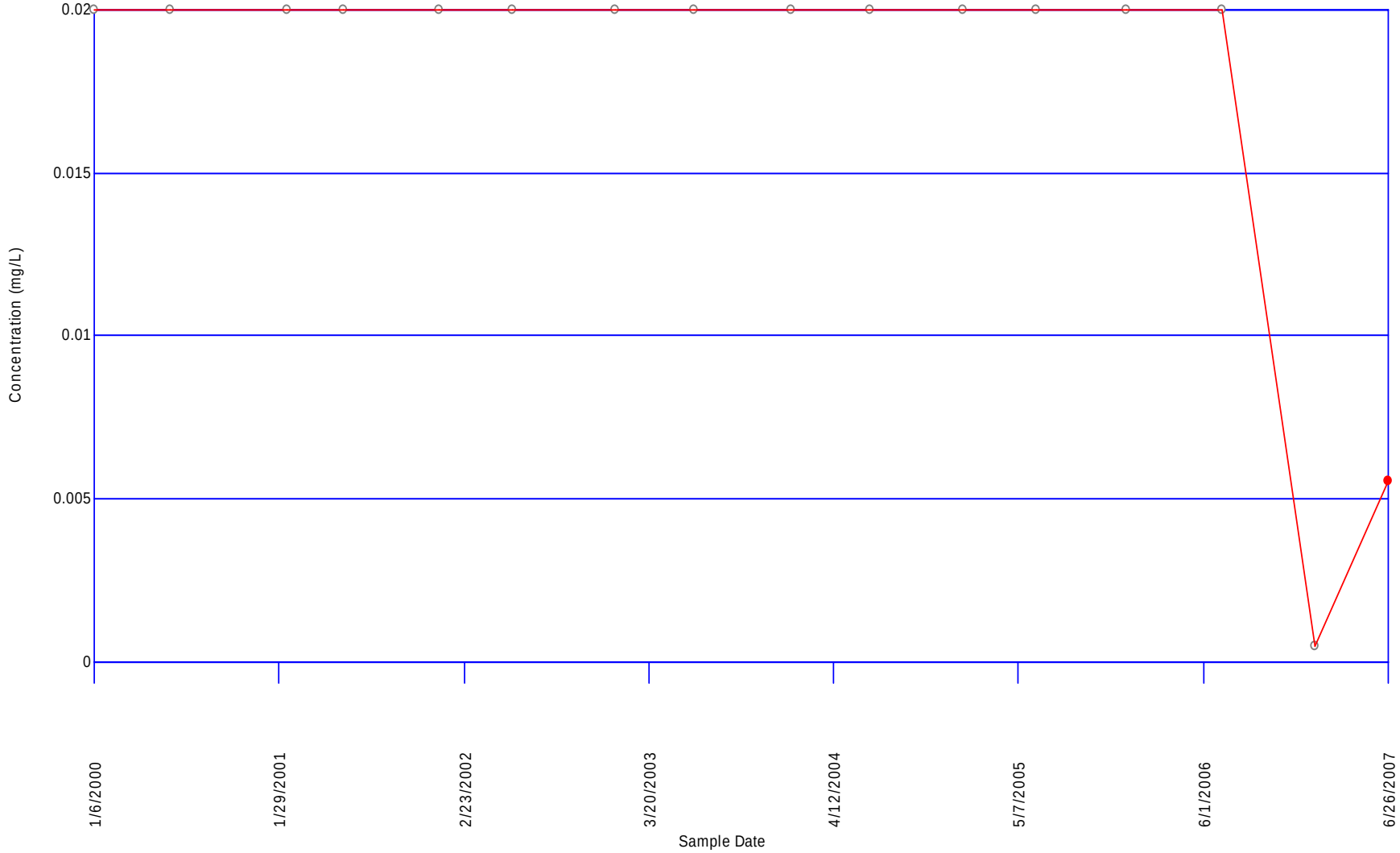
Benzene

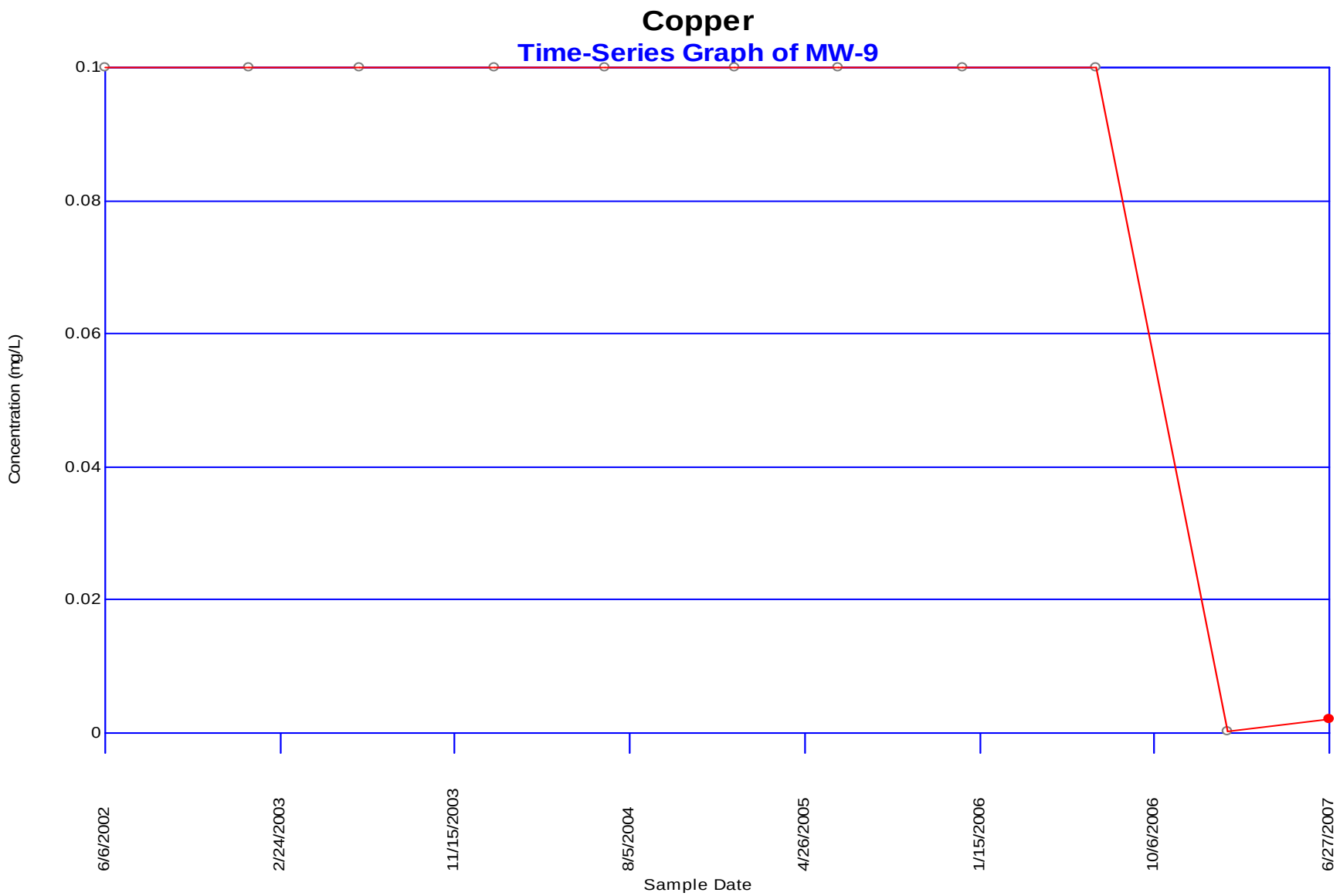
Time-Series Graph of MW-7A



Vanadium

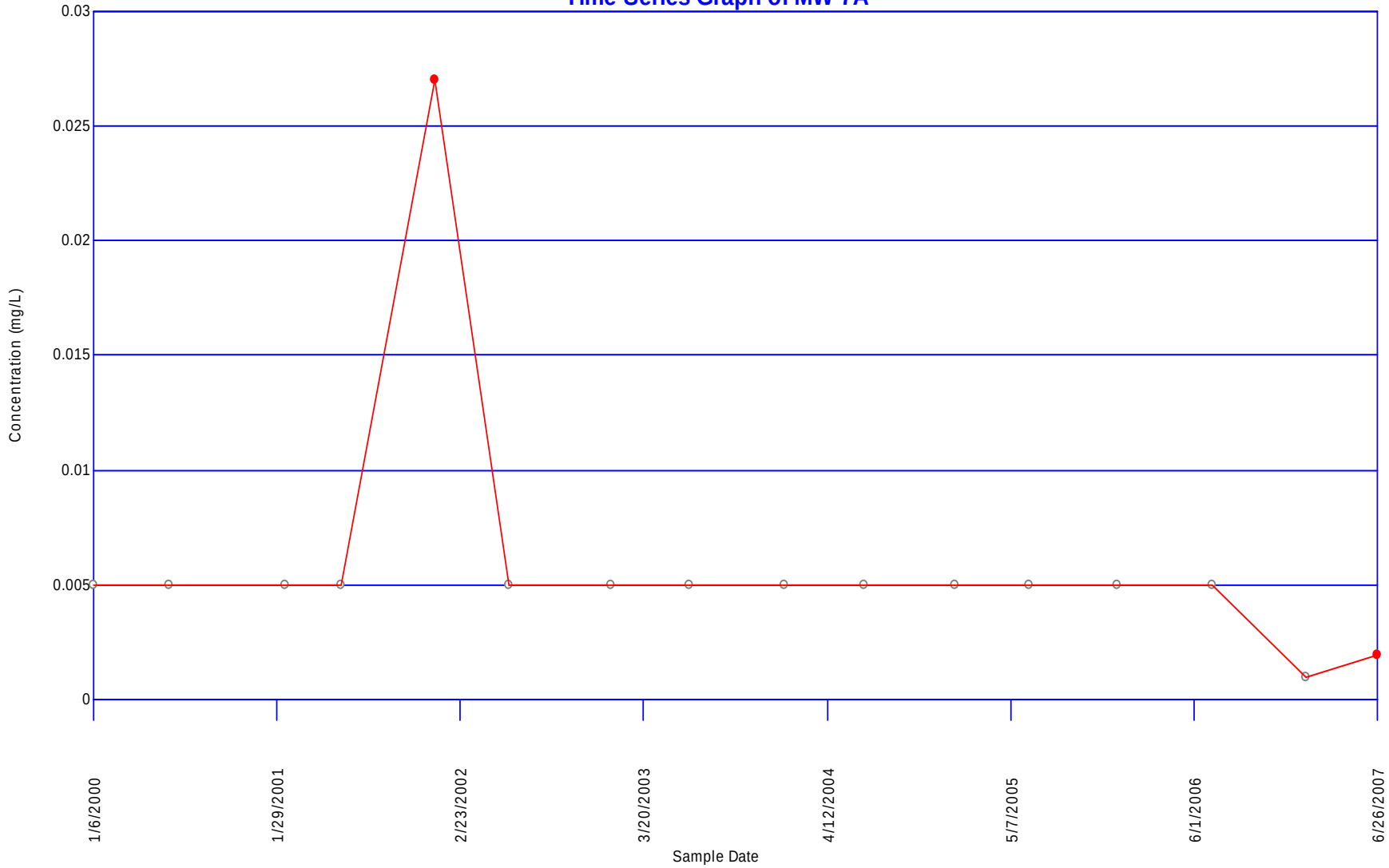
Time-Series Graph of MW-7A




Copper
Time-Series Graph of MW-9
Concentration (mg/L)
0.1
0.08
0.06
0.04
0.02
0
6/6/2002
2/24/2003
11/15/2003
8/5/2004
4/26/2005
1/15/2006
10/6/2006
6/27/2007
Sample Date

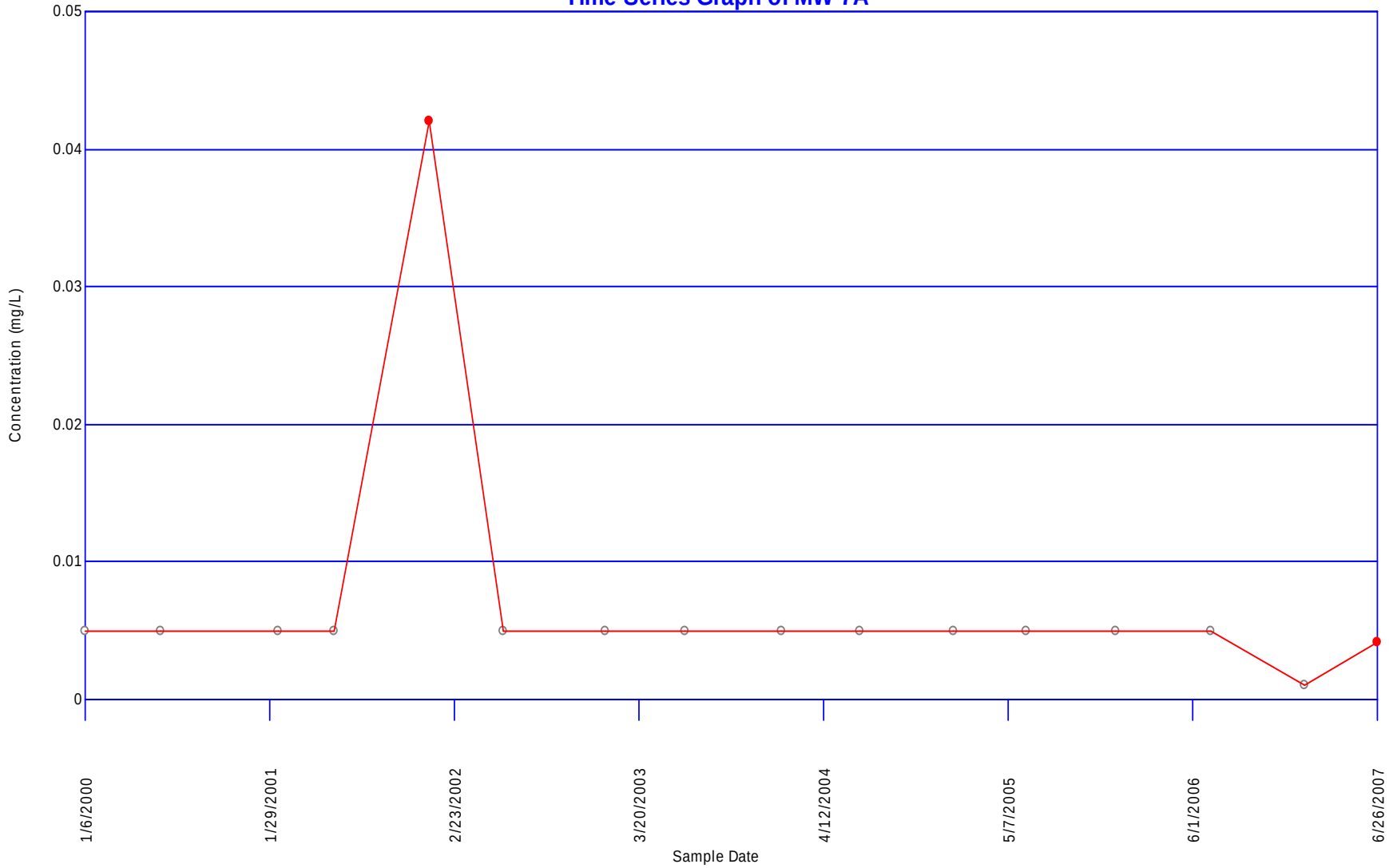
Chromium

Time-Series Graph of MW-7A



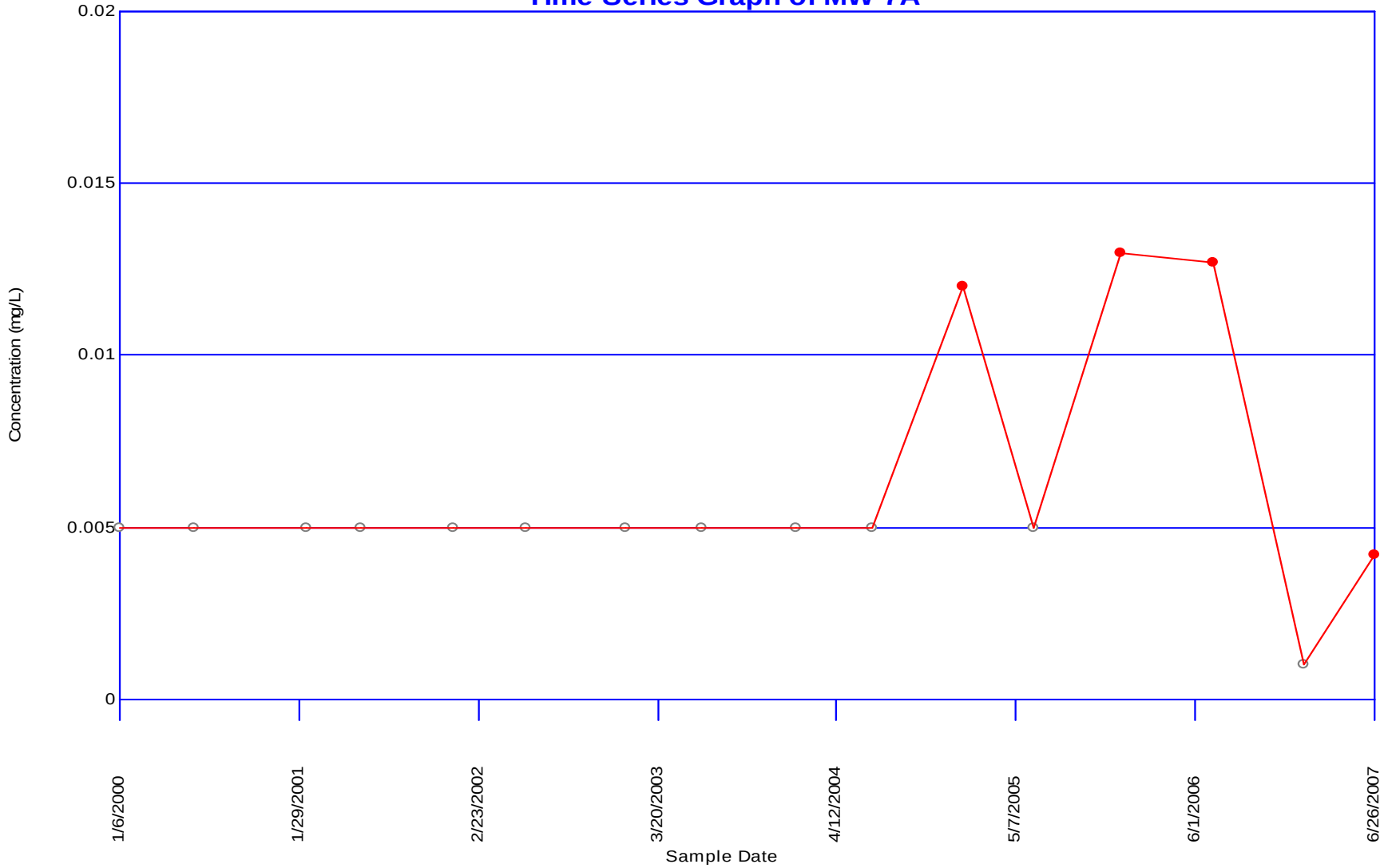
Cobalt

Time-Series Graph of MW-7A



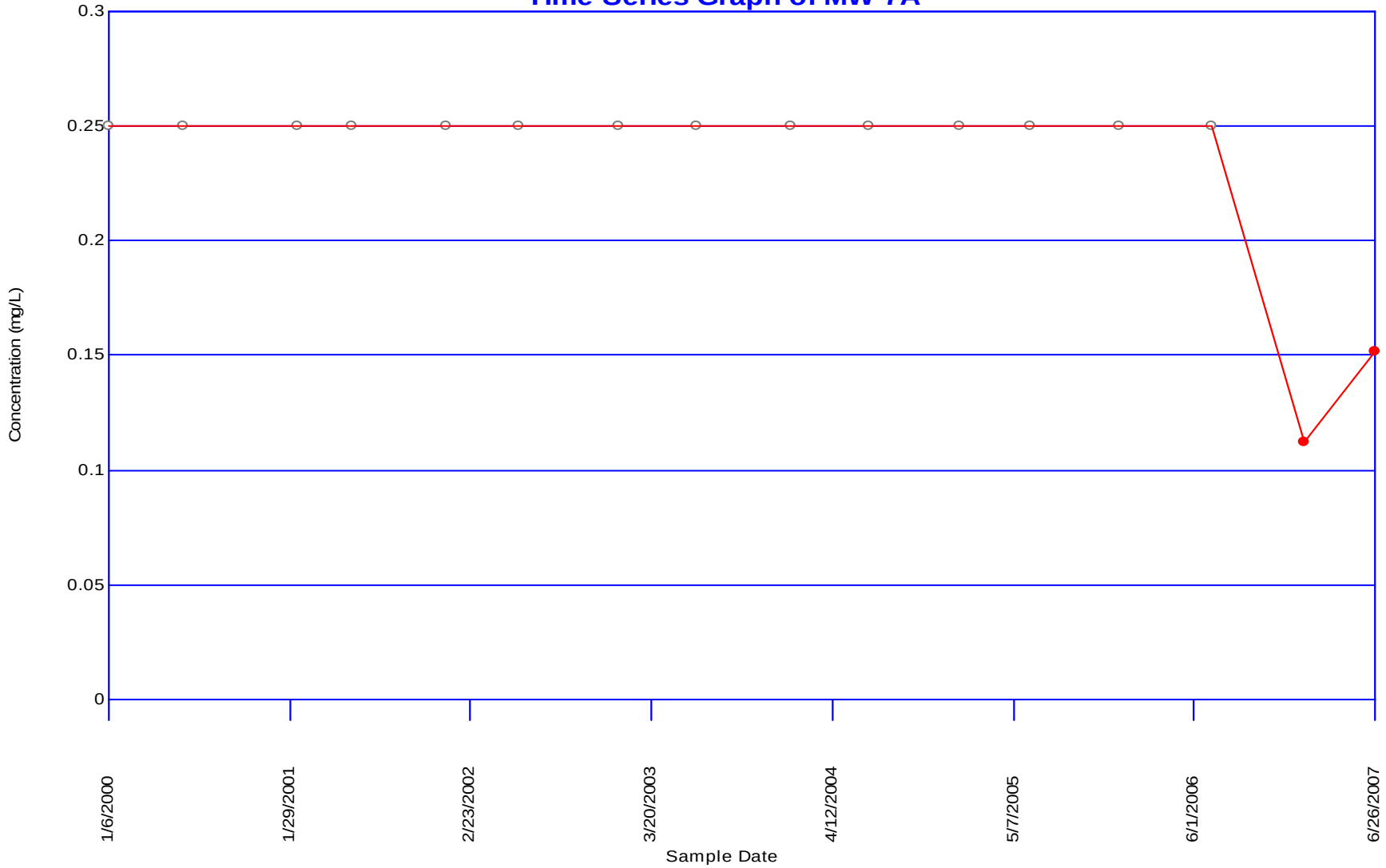
Lead

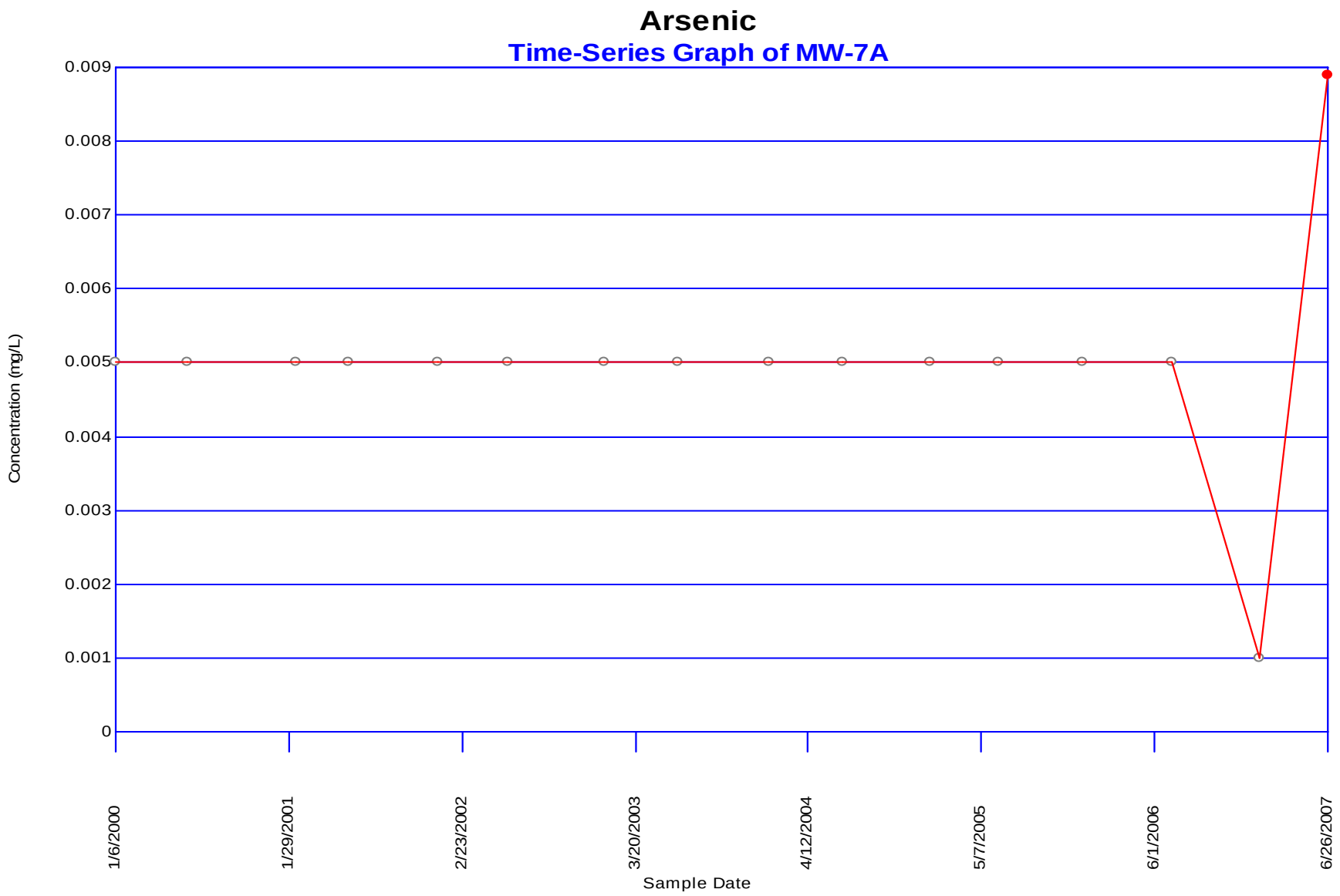
Time-Series Graph of MW-7A



Barium

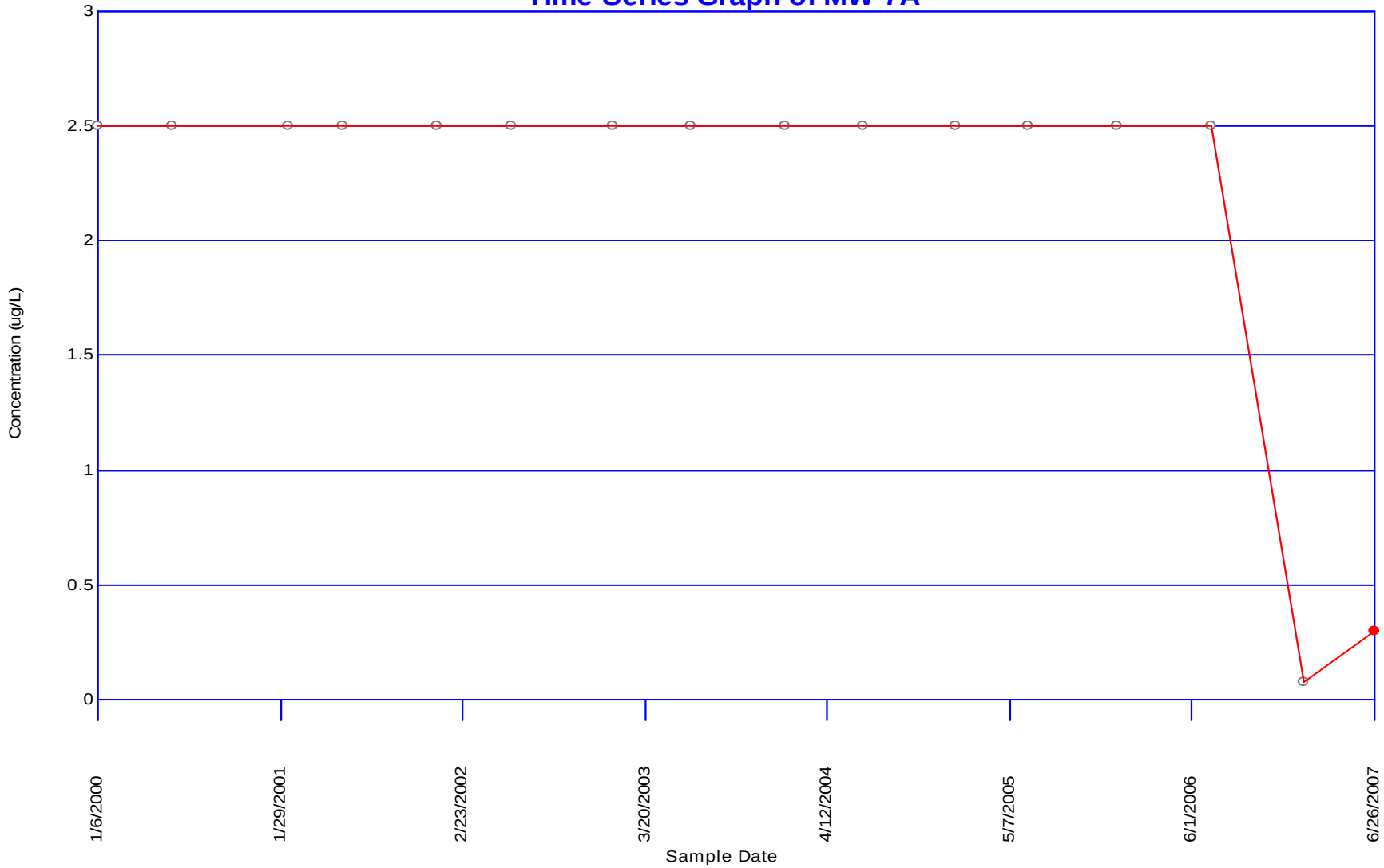
Time-Series Graph of MW-7A




Arsenic
Time-Series Graph of MW-7A
Concentration (mg/L)
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
0
1/6/2000
1/29/2001
2/23/2002
3/20/2003
4/12/2004
5/7/2005
6/1/2006
6/26/2007
Sample Date

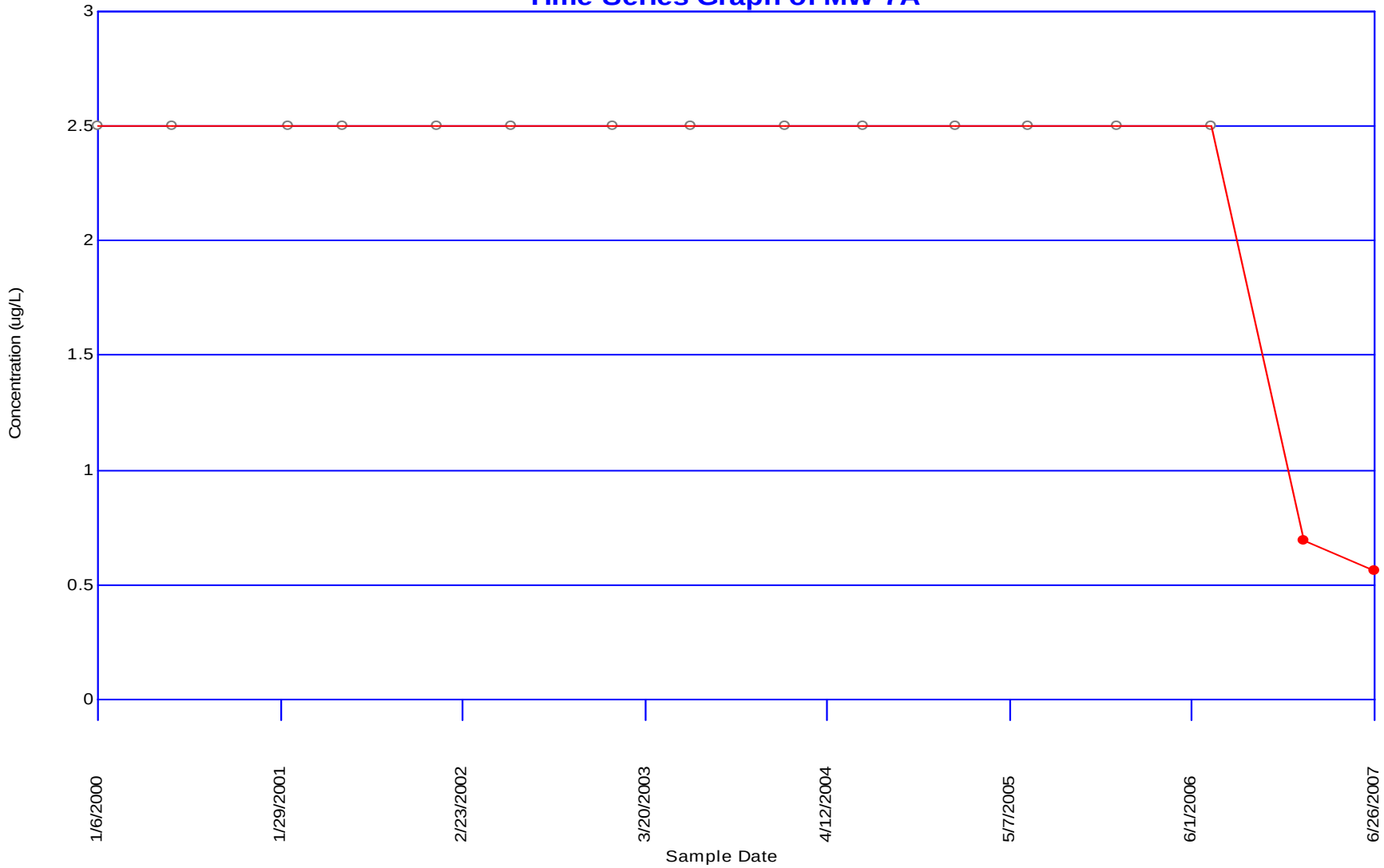
Toluene

Time-Series Graph of MW-7A



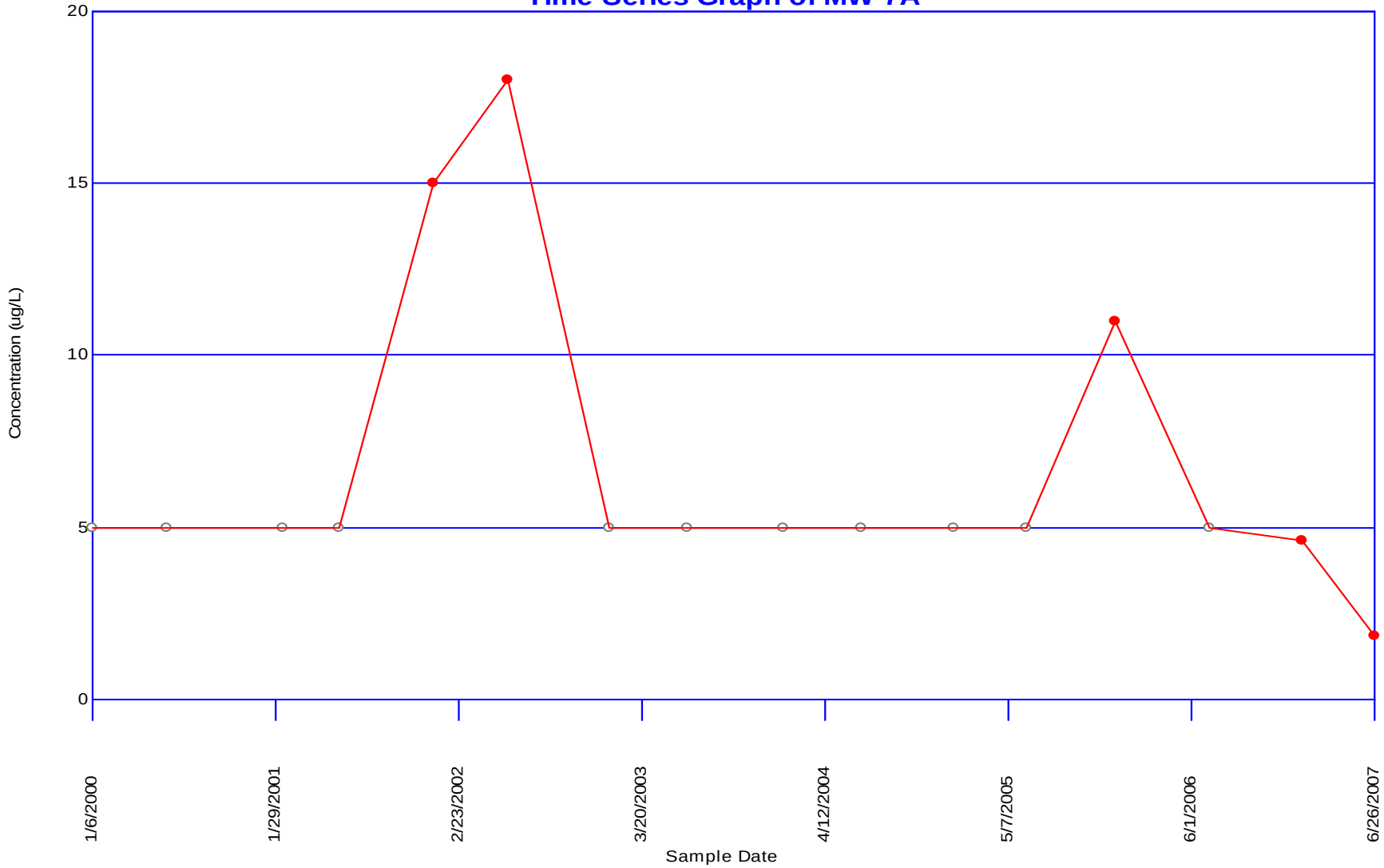
1,4-Dichlorobenzene

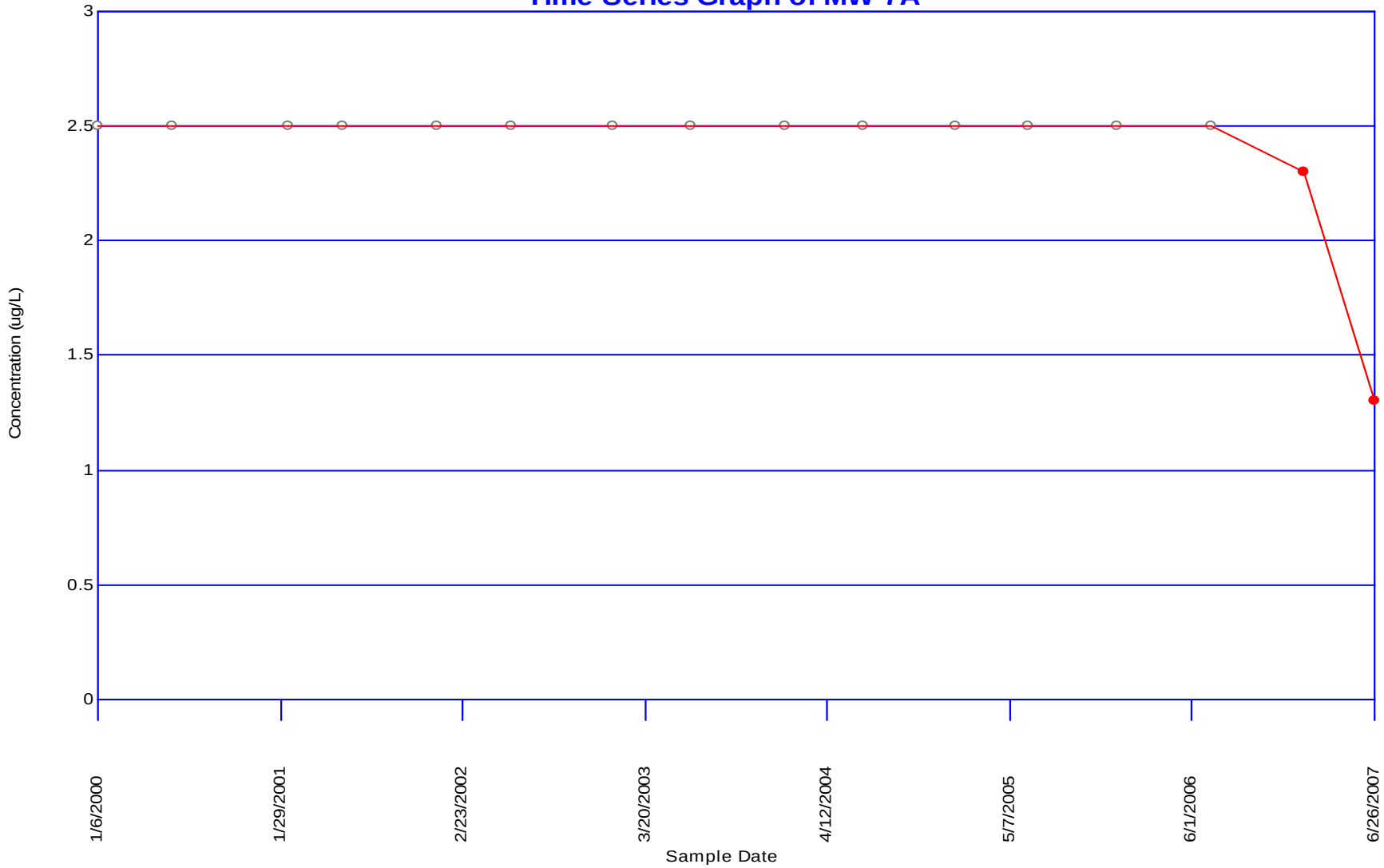
Time-Series Graph of MW-7A



Chloroethane

Time-Series Graph of MW-7A



Chlorobenzene

Time-Series Graph of MW-7A