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December 22, 2008

Mr. Danny Bagley
Edgecombe County Solid Waste Manager
Administration Building, Box 10
Tarboro, North Carolina 27886

Reference: Environmental Compliance Monitoring, July 2008
Edgecombe County Landfill
Tarboro, North Carolina
Facility Permit No. 33-01
S&ME Project No. 1054-07-238A

Dear Mr. Bagley:

S&ME, Inc. (S&ME) is pleased to submit this report documenting the environmental compliance monitoring conducted on July 9, 2008 at the Edgecombe County Landfill located in Tarboro, North Carolina. These services have been performed in general accordance with S&ME Proposal No. 4541-08V, dated September 5, 2008. A compact disk (CD) containing an electronic copy of this report in portable document format (.pdf) and **Table 1** in Excel spreadsheet format (.xls) is included in **Appendix II**. One copy of this report is attached for your file, and one copy was delivered on your behalf directly to the North Carolina Department of Environment and Natural Resources - Division of Waste Management (NCDENR-DWM), Solid Waste Section.

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) and two surface water sampling points (upstream and downstream locations on Jerry's Creek). Static water levels were measured at selected on-site wells and piezometers to prepare the groundwater contour map for estimating groundwater flow direction and hydraulic gradient.

Based on the number of constituents and their concentrations detected in the groundwater samples collected at the Edgecombe County 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.

S&ME appreciates the opportunity provide our environmental services to Edgecombe County and hopes that you find this report to be complete and informative. We would welcome the opportunity to discuss our findings and recommendations with you should you have any questions. 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.

Jason L. Volker
Environmental Scientist

David B. Wells, P.G.
Project Manager

Samuel P. Watts, P.G.
Senior Reviewer

Attachment

JULY 2008
ENVIRONMENTAL COMPLIANCE MONITORING REPORT
EDGECOMBE COUNTY LANDFILL
TARBORO, NORTH CAROLINA

Facility Permit No. 33-01
S&ME Project No. 1054-07-238A

Prepared for:
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December 22, 2008

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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**). In general, the solid waste facility includes a municipal solid waste (MSW) transfer station and a construction & demolition (C&D) debris landfill unit. The C&D debris landfill unit is operated over an existing closed MSW landfill, in general accordance with North Carolina Department of Environment and Natural Resources (NCDENR) Permit No. 33-01. Edgecombe County continues to perform groundwater and surface water monitoring on a semiannual basis to comply with the requirements of North Carolina Solid Waste Management Rules (Solid Waste Rules), 15A NCAC 13B. S&ME has prepared this report on behalf of Edgecombe County to present the results of the July 2008 monitoring event as required by § .600 and .1632 of the Solid Waste Rules.

The July 2008 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

In addition, surface water samples were collected from the upstream and downstream sampling points located on Jerry's Creek as part of the July 2008 monitoring event. Groundwater and surface water monitoring locations are illustrated on **Figure 2**.

1.2 Background

Groundwater has been monitored at the landfill facility since 1994 in accordance with § .1632 of the Solid Waste Rules and the facility's *Water Quality Monitoring Plan* (WQMP), dated September 1994.

Volatile organic compounds (VOCs) and inorganic constituents have been detected above North Carolina groundwater protection standards in groundwater samples collected from groundwater compliance monitoring points used to monitor the Edgecombe County

Landfill. Previous statistical evaluation of the groundwater monitoring data indicated that a release of VOCs and inorganic constituents had occurred from the landfill. In accordance with NCDENR Division of Waste Management (DWM), Solid Waste Section (SWS) Solid Waste Rules defined under 15A NCAC 13B, S&ME has completed the following activities on behalf of Edgecombe County in response to the detections of the VOC and inorganic constituents:

- Statistical analyses (January 2007) of semiannual water quality results of compliance well monitoring system in accordance with the facility's *Water Quality Monitoring Plan* (WQMP);
- Alternate Source Demonstration (ASD) study in accordance with Solid Waste Rules defined under 15A NCAC 13B.1633(c)(3) and .1634(g)(2);
- Nature and Extent Study (NES) prepared in accordance with Solid Waste Rules defined under 15A NCAC 13B.1634(g)(1); and,
- Assessment of Corrective Measures (ACM) in accordance with Solid Waste Rules defined under 15A NCAC 13B.1635.
- Corrective Action Plan (CAP) in accordance with Solid Waste Rules defined under 15A NCAC 13B.1636.

The July 2008 semiannual groundwater and surface water sampling services were completed to meet the requirements of the Solid Waste Rules defined under 15A NCAC 13B.1632 (Groundwater Sampling and Analysis Requirements) and .1633 (Detection Monitoring Requirements).

2.0 JULY 2008 SAMPLING EVENT

On July 9, 2008, S&ME personnel conducted semiannual groundwater sampling at seven monitoring wells (MW-1A, MW-3B, MW-4, MW-5, MW-6, MW-7A, and MW-9) at the Edgecombe County Landfill (**Figure 2**) for the July 2008 sampling event. Two surface water samples (labeled as upstream and downstream) were also collected from upstream and downstream locations on Jerry's Creek. Discussion of field sampling methods and locations for the July 2008 groundwater and surface water sampling events are provided below. S&ME personnel performed sampling at the facility in general accordance with the Solid Waste Rules and the facility's WQMP, dated September 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 monitor well to be sampled was measured for the evaluation of groundwater flow direction and hydraulic gradient. For additional data points, depths to groundwater were also measured in monitor wells and piezometers that were not sampled as part of the water quality monitoring network. Groundwater depths were measured to an accuracy of ±0.01 feet using an electronic water level indicator, which was decontaminated before its initial use and between measurements. Field personnel wore clean protective/non-reactive gloves at each well location when collecting water level measurements. Water level measurements are presented in **Table 1** and **Figure 2**.

Following the measurement of the static groundwater level, stagnant water from each sampled well was purged using a peristaltic pump with clean silicon tubing attached to dedicated Teflon-lined tubing that was inserted into the monitor well. Low-flow sampling methods were followed to purge and sample groundwater from the monitor wells. As purging proceeded, pH, temperature, specific conductance, and turbidity were measured and recorded. A Horiba® multi-meter with a flow-through cell was used to measure pH, temperature, specific conductance, dissolved oxygen, oxidation-reduction potential, and turbidity on groundwater purged from the monitor wells before sampling. The multi-meter was calibrated by Pine Environmental and the calibration was field-checked with calibration standards by S&ME personnel before use.

In accordance with the revised SAP, a groundwater sample was collected after field parameters (pH, temperature and conductivity) stabilized and the turbidity measurement was approximately 30 Nephelometric Turbidity Units (NTUs) or below. Field parameters were considered stable when they were changing less than 10 percent over three consecutive measurements. The field parameter measurements are presented in **Table 1**. One duplicate groundwater sample was collected from MW-7A for the purpose of Quality Assurance/Quality Control (QA/QC).

Once the field parameters had stabilized, groundwater samples were collected directly from the pump tubing with clean containers provided by the laboratory. The surface water samples were collected directly from Jerry's Creek by dipping laboratory provided

containers into the surface water. Once filled, the sample containers were sealed, labeled, and placed into an insulated container with ice. The samples were submitted under chain-of-custody protocols to Environmental Science Corporation, Inc. (ESC), a North Carolina-certified laboratory. ESC tested the samples for constituents listed in 40 CFR 258 Appendix I. The results of analytical testing are discussed in Section 4.1 and a summary of constituent concentrations are presented in **Table 1** and **Table 2**. A copy of the summary laboratory report is provided in **Appendix I**. 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) are 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 including 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, the southwest perimeter trench and the farm pond may recharge the aquifer. The marine clay layer (Yorktown Formation) encountered at depths from approximately 8 to 24 feet below the original ground surface acts as an aquitard and semi-confining layer below the landfill.

Shallow monitoring wells and piezometers are installed in the surficial aquifer with the bottoms of the wells resting above, on, or penetrating the top of the Yorktown Formation. As previously discussed, static water levels in monitor wells and three piezometers of the site monitoring network were measured prior to sampling. Static water level is defined as the depth to water in a monitor well or piezometer measured from the top of casing (TOC). The protective surface casing at monitor well MW-1A was previously damaged and an obstruction within the casing prevented measurement of the static water level in this well. The dedicated sample tubing, however, was in place and not damaged allowing for a groundwater sample to be collected from MW-1A. Static water levels for the monitoring network are presented in **Table 1**.

Static water level data were used to calculate the corresponding groundwater elevations based on surveyed TOC elevations. A groundwater potentiometric map was developed based on the groundwater elevations (**Figure 2**). Based upon the surface elevations of the water table, the groundwater flow direction was estimated to be north-northeast. The horizontal hydraulic gradient was calculated using the July 9, 2008 groundwater elevation data by the following equation (Driscoll, 1986):

$$i = \frac{h1 - h2}{L}$$

where:

i = Hydraulic gradient
h1 - h2 = Difference in hydraulic head (feet)
L = Distance along flow path (feet)

Based on this equation, a horizontal hydraulic gradient across the site of 0.0199 ft/ft has been calculated between MW-3B and MW-5.

3.2 Groundwater Flow Velocity

An approximate average linear groundwater flow velocity (v) may be calculated by the equation (Freeze and Cherry, 1979):

$$v = \frac{Ki}{n}$$

where: v = Average linear groundwater flow velocity [feet per day (ft/day)]
K = Hydraulic conductivity (ft/day)
i = Flow gradient as a ratio (ft/ft),
n = Effective soil porosity (percent)

Aquifer slug tests were previously performed at the site by Law Engineering Company (Law) and S&ME using rising and falling head test techniques. The slug test data were used to estimate the hydraulic conductivity of the sediments in the surficial aquifer intersected by the screened intervals of the monitor wells tested. The aquifer test data (provided in previous reports) were analyzed by the Bouwer and Rice Method.

The hydraulic conductivity values previously measured at the site ranged from 1.29×10^{-5} centimeters per second (cm/sec) to 3.65×10^{-4} cm/sec. An average hydraulic conductivity value of 5.95×10^{-5} cm/sec was used for calculating the site-wide flow velocity. The average hydraulic gradient of 0.0199 ft/ft, calculated between MW-3B and MW-5 was used as the site-wide average gradient. An effective porosity of 15% was used as the site-wide average.

The average groundwater flow velocity for the site was calculated to be 8.1 ft/yr. The average groundwater flow velocity information is presented on **Figure 2**.

4.0 GROUNDWATER AND SURFACE WATER QUALITY

S&ME sampled seven groundwater monitor wells (MW-1A, MW-3B, MW-4, MW-5, MW-6, MW-7A, and MW-9) and the surface water from Jerry's Creek at two established sampling points (upstream and downstream locations) during the July 2008 sampling event. The samples were analyzed by ESC for constituents listed in the 40 CFR 258, Appendix I analyte list. Laboratory analytical methods included EPA Method 6010/6020 (metals) and Method 8260B (volatile organic compounds (VOCs)). Results from the groundwater laboratory analyses are included in the following sections. The analyses results and field measurements are summarized on **Table 1,** and the groundwater/surface water summary of compound detections is presented in **Table 2**. The chain-of-custody form and the laboratory reports from ESC are provided in **Appendix I**.

Effective December 1, 2006 NCDENR-DWM, Solid Waste Section (Section), changed the standard limits for comparing constituent detections in laboratory analysis from the Practical Quantitation Limits (PQLs) established in 1994 to the Solid Waste Reporting Limits (SWRLs). On February 23, 2007, the Section further revised the reporting limits from the SWRL to the Solid Waste Section Limit (SWSL). The SWSL was defined as the lowest amount of analyte in a sample that can be quantitatively determined with suitable precision and accuracy. The new SWSL limits are lower than the previous PQL limits. Concentrations reported by the laboratory that are above the Method Detection Limit (MDL) but below the SWSL must be qualified as estimated values designated by the letter "J". According to the laboratory quality control performed by ESC, detections above the MDL but below the reported detection limit (RDL) are considered estimated values, designated by the letter "J".

4.1 Groundwater Analytical Data

Constituent concentrations detected above the laboratory MDLs are summarized on **Table 2**. For comparison purposes, these results are shown with their respective SWSL and the 15A North Carolina Administrative Code (NCAC) Subchapter 2L .0200 Groundwater Quality Standards (2L Standard). Where target groundwater constituents have no established 2L Standard, the MDL is the default 2L Standard. However, since the DWM has listed constituent concentrations protective of ground-water, the DWM SWS Ground Water Protection Standard (GWPST) established in accordance with the Solid Waste Management Rules, Section .1634(h) is used as the action level for detections where no 2L Standard is established.

The following 30 Appendix I constituents were detected above the MDL in one or more samples in the July 2008 monitoring event:

July 2008 Groundwater Sampling Event
Appendix I Constituent Concentration Detected Above MDL

Background Monitor Wells	Appendix I Detected Constituents
MW-3B	arsenic, barium, beryllium, cadmium, cobalt, copper*, nickel, selenium, vanadium, zinc*
MW-4	antimony, arsenic, barium, chromium, cobalt, copper*, selenium, vanadium,
MW-9	arsenic, barium, selenium, zinc*
Compliance Monitor Wells	**Appendix I Detected Constituents**
MW-1A	1,1-dichloroethane, cis-1,2-dichloroethene, arsenic, barium, cadmium, cobalt, copper*, selenium, vanadium, zinc*
MW-5	benzene, chlorobenzene, chloroethane, 1,2-dichlorobenzene, 1,4-dichlorobenzene 1,1-dichloroethane, 1,2-dichloroethane, 1,1-dichloroethene, cis-1,2-dichloroethene, trans-1,2-dichloroethene, 1,2-dichloropropane, methylene chloride*, tetrachloroethene, toluene, trichloroethene, vinyl chloride, arsenic, barium, chromium, cobalt, lead*, nickel, silver, zinc*
MW-6	1,1-dichloroethane, arsenic, barium, cadmium, cobalt, copper*, lead*, selenium, zinc*
MW-7A	benzene, chlorobenzene, chloroethane, 1,4-dichlorobenzene, cis-1,2-dichloroethene (duplicate sample only), methylene chloride* (record sample only), vinyl chloride, arsenic, barium, chromium, cobalt, lead*, nickel, silver

* = Constituent was also detected in the equipment blank sample

The following Appendix I constituents were detected above the SWSL in one or more samples in the July 2008 monitoring event:

July 2008 Groundwater Sampling Event
Appendix I Constituent Concentration Detected Equal to or Greater than SWSL

Background Monitor Wells	Appendix I Detected Constituents
MW-3B	barium, cobalt, zinc**
MW-4	arsenic, vanadium*
MW-9	barium, zinc**
Compliance Monitor Wells	**Appendix I Detected Constituents**
MW-1A	zinc**
MW-5	benzene, chlorobenzene, 1,4-dichlorobenzene, 1,1-dichloroethane, 1,2-dichloroethane, cis-1,2-dichloroethene, trans-1,2-dichloroethene, 1,2-dichloropropane, toluene, trichloroethene, and vinyl chloride, arsenic, barium, cobalt, nickel, zinc**
MW-6	barium, zinc**
MW-7A	benzene, arsenic, barium, chromium

* = Constituent detected below SWSL, but above 2L Standard/GWPST
** = Constituent was also detected in the equipment blank above SWSL

4.1.1 Volatile Organic Compounds

No Appendix I volatile organic compounds (VOCs) were detected by USEPA Method 8260B in the groundwater samples collected and analyzed from the upgradient background monitor wells MW-3B, MW-4, and MW-9.

Sixteen Appendix I VOCs were detected above their respective MDLs in the groundwater samples collected from compliance monitor wells MW-1A, MW-5, MW-6, or MW-7A. Eleven of the sixteen VOCs were detected above their respective SWSLs in the groundwater sample collected from monitor well MW-5. One of these eleven VOCs, benzene, was also detected above the SWSL in the sample collected from monitor well MW-7A. The eleven VOCs exceeding their respective SWSLs included benzene, chlorobenzene, 1,4-dichlorobenzene, 1,1-dichloroethane, 1,2-dichloroethane, cis-1,2-dichloroethene, trans-1,2-dichloroethene, 1,2-dichloropropane, toluene, trichloroethene, and vinyl chloride.

Seven VOCs were detected in the groundwater sample collected from monitor well MW-5 with concentrations above their respective 2L Standards:

Compliance Monitor Well MW-5

Constituent	Concentration	2L Standard	SWSL
Benzene	7.1 µg/L	1 µg/L	1 µg/L
1,4-Dichlorobenzene	9.7 µg/L	1.4 µg/L	1 µg/L
1,2-dichloroethane	1.5 µg/L	0.38 µg/L	1 µg/L
cis-1,2-dichloroethene	830 µg/L	70 µg/L	5 µg/L
1,2-dichloropropane	2.1 µg/L	0.51 µg/L	1 µg/L
trichloroethene	2.9 µg/L	2.8 µg/L	1 µg/L
vinyl chloride	39 µg/L	0.015 µg/L	1 µg/L

Two of the seven VOCs (benzene and vinyl chloride) detected in MW-5 were also detected in MW-7 above the 2L Standards. The benzene concentration was 1.3 µg/L and the vinyl chloride concentration was 0.43 µg/L in monitor well MW-7A.

VOC concentrations detected in the groundwater sample collected from compliance monitor well MW-6 were not above the SWSLs or 2L Standard concentrations. Constituent concentrations detected in monitor well MW-1A were below the 2L Standard or the GWPST.

4.1.2 Inorganic Compounds

Fourteen Appendix I inorganic constituents were detected above their respective MDLs in groundwater samples collected from the background and compliance wells. Seven of the fourteen detected inorganic constituents (arsenic, barium, chromium, cobalt, lead, nickel, and zinc) had concentrations that were equal to or greater than their respective SWSLs.

One of the seven inorganic compounds (cobalt) was detected in the groundwater sample

collected from compliance monitor well MW-5 at 0.15 milligrams per liter (mg/L) which exceeded the 2L Standard (MDL) and the GWPST of 0.07 mg/L.

Vanadium was detected in the groundwater samples collected from background monitor wells MW-3B (0.0082 mg/L) and MW-4 (0.005 mg/L). Both vanadium detections exceeded the GWPST of 0.0035 mg/L, but were below the SWSL of 0.025 mg/L.

In addition to the Appendix I VOCs and metals analyses during the July 2008 monitoring event, ESC reported results for mercury (an Appendix II constituent). Mercury concentrations were not detected in the groundwater samples collected during the July 2008 sampling event.

4.1.3 Quality Control

Quality assurance and quality control of sampling and analysis methods were assessed by collecting and analyzing one duplicate sample, one equipment blank sample, and one trip blank sample. The duplicate and equipment blank samples were analyzed by the same methods and for the same target constituents as the record samples. Duplicate sample analysis documents the consistency of laboratory testing between samples, and equipment blank sample analysis documents cross-contamination or carry-over effects from sampling equipment used on-site. The trip blank is analyzed for VOCs to document the effect of external conditions on samples/sample containers during lab pack preparation and transportation to and from the site.

The concentrations of the Appendix I VOCs and inorganic constituents detected in the duplicate sample collected from monitor well MW-7A were similar to those detected in the record sample collected from MW-7A. However, cis-1,2-dichloroethene was only detected in the duplicate sample collected from monitor well MW-7A, and methylene chloride was only detected in the record sample collected from monitor well MW-7A. Both of these VOCs (cis-1,2-dichloroethene and methylene chloride) were reported below the currently published SWSLs and 2L Standards. The results of the two sample analyses fall within an acceptable tolerance level and indicate a suitable replication of results from the test procedures.

Methylene chloride was detected in the equipment blank sample, but the concentration reported was below both the current 2L Standard and SWSL. No other Appendix I VOC was detected in the equipment blank sample. Three inorganic constituents (copper, lead, and zinc) were detected at concentrations that exceeded their respective MDLs in the equipment blank sample. Zinc (0.015 mg/L) was the only inorganic constituent detected at a concentration that exceeded the SWSL of 0.01 mg/L. Because these compounds were detected in the equipment blank sample, the determination of the presence of methylene chloride, copper, lead, and zinc in the monitor well record samples was inconclusive.

It is important to note that the laboratory MDLs for 1,2-dichloropropane (0.52 µg/L) and vinyl chloride (0.27µg/L) for groundwater samples are greater than the 2L Standards of 0.51 and 0.015 µg/L, respectively. Therefore, 1, 2-dichloropropane or vinyl chloride may

have been present at concentrations above the 2L Standards but reported as being below the MDL.

4.2 SURFACE WATER ANALYTICAL DATA

No Appendix I VOCs were detected in the surface water samples collected from the upstream and downstream sampling locations.

Four Appendix I inorganic compounds (arsenic, barium, copper, vanadium) were detected above the MDLs in the upstream surface water sample but below their respective SWSLs and below the surface water standards listed in 15A NCAC, Subchapter 2B, for Class C Waters. Eight Appendix I inorganic compounds (arsenic, barium, copper, vanadium, cadmium, chromium, cobalt, and selenium) were detected above the MDLs in the downstream surface water sample but below their respective SWSLs. Zinc was detected above the SWSL in upstream and downstream samples at 0.036 mg/L and 0.022 mg/L, respectively. No other **Appendix I** inorganic compound was detected in the upstream or downstream surface water samples.

The results of the laboratory analyses are summarized in **Table 1** and **Table 2**. The laboratory reports are provided in **Appendix I**.

5.0 DISCUSSION OF GROUNDWATER DETECTIONS

The concentrations of constituents detected in the background or compliance monitor wells above the SWSLs were assessed for trends that may indicate potential contaminants of concern.

5.1 STATISTICAL ANALYSIS

The statistical methods described in the facility's WQMP (S&ME, 1994) and Revisions to the Sampling and Analysis Plan (SAP), dated November 1998, 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.

The historical data pool has been updated and included in this report for this sampling event; however, no statistical analysis was performed due to the following changes in sample analytical methods:

- Pursuant to the requirements of 15A NCAC 13B .1633 (Detection Monitoring), when concentrations are detected in one or more downgradient monitoring wells at levels above their respective SWSLs, these concentrations should be statistically evaluated in accordance with the procedures outlined in 15A NCAC 13B .1632(g) and (h) to determine if the reported concentrations exceeded the facility background concentrations.

  Constituent concentrations that were not reported as detections during sampling events prior to 2007 were recently reported as detections in the January 2007, and recent sampling events. The recent detections are due to the new SWSLs and MDLs which are lower than the previous PQLs. It is our opinion that in general, the newly reported detections are not indicative of an increase in the presence of these constituents in the groundwater, but rather, are due to changes in the reporting and evaluation standards.

S&ME will perform statistical analysis in the second semiannual sampling event scheduled for January 2009 to evaluate the significance of these low-level detections compared to the "re-established" evaluation standards.

5.2 QUALITATIVE GROUNDWATER REVIEW OF ANALYTICAL RESULTS

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

Appendix I VOCs were not detected above the laboratory MDLs in the samples collected from background monitor wells MW-3B, MW-4, and MW-9. Twelve Appendix I inorganic constituents were detected above the MDLs in the background monitor wells. Arsenic, barium, cobalt, and zinc concentrations were detected above their respective SWSLs. Vanadium was detected in two background wells at equal concentrations (0.025 mg/L) that exceeded the GWPST but were below the SWSL. Time series graphs of constituent concentrations were prepared where the concentrations exceeded the SWSL. Copies of the graphs are presented in **Appendix III**. The following table summarizes the findings shown on the time series graphs for the background monitor wells.

Summary of Trend Graphs for Background Monitor Wells (mg/L)

Well ID	Constituent	Standard	Detection Above Standard	Number of Detections	SWSL	Trend
MW-3B	Barium	2	0	4	0.1	No Trend
	Vanadium	0.0035	4	4	0.025	No Trend
	Cobalt	0.07	0	10	0.01	No Trend
	Zinc	1.05	0	5	0.01	No Trend
MW-4	Arsenic	0.05	0	3	0.01	No Trend
	Vanadium	0.0035	8	8	0.025	No Trend
MW-9	Barium	2	0	4	0.1	Slight Downward
	Zinc	1.05	0	2	0.01	Slight Upward

<u>Monitor Well MW-3B</u>

According to the time series graphs, barium and vanadium were not detected until January 2007. In our opinion, these detections do not indicate a change in groundwater quality with respect to levels of barium and vanadium, but rather reflect the changes in analytical comparison protocol.

The time series graph of cobalt concentrations detected in monitor well MW-3B indicates that cobalt was consistently detected at concentrations less than 0.035 mg/L until January 2007. The cobalt detections in 2007 and 2008 indicate a slight decrease in concentrations however, there are insufficient data to identify a discernable trend for cobalt at this time.

Zinc was detected in February 2004 at a concentration of 0.05 mg/L. Subsequent detections were below this level until November 2007 and 2008 when it was detected near 0.05 mg/L. No discernable trends are indicated from the zinc data. Note: zinc concentrations were detected in the equipment blank, five of seven monitor well groundwater samples, and both surface water samples during the January 2008 sampling event.

Monitor Well MW-4

Arsenic and vanadium were detected in July 2008 above their respective SWSLs, 0.01 mg/L and 0.025 mg/L, respectively.

Arsenic concentrations were not reported for background monitor well MW-4 until January 2007. Based on the analytical data, the new detections of arsenic do not likely indicate a change in groundwater quality, but rather reflect the 2007 implementation of the lower SWSL of 0.01 mg/L.

Vanadium concentrations between 1994 and 1998 ranged from approximately 0.025 mg/L to less than 0.08 mg/L. These detections are attributed to high sample turbidity resulting from the sampling methods used during that time period. Low-flow sampling methods were implemented in 1999, and since that time vanadium has not detected until recently. These recent detections do not likely indicate a change in ground water quality, but rather reflect the implementation of the SWSL of 0.025 for vanadium, which is lower than the former PQL of 0.04 mg/L.

Monitor Well MW-9

Barium and zinc were detected in monitor well MW-9 at concentrations above the SWSLs of 0.1 mg/L and 0.01 mg/L, respectively, in the July 2008 sample event. These metals were not detected in monitor well MW-9 until the 2007 implementation of the lower SWSLs (the former PQLs were 0.05 mg/L and 0.05 mg/L for barium and zinc, respectively). The detections of barium and zinc at this well are not likely indicative of a change in groundwater quality, but rather reflect the change in comparison protocol.

5.2.2 Compliance Monitor Well MW-1A, MW-5, MW-6, and MW-7A

During this groundwater sampling event, eleven Appendix I VOCs were detected in the compliance monitor well network at concentrations above their respective SWSLs. Seven Appendix I inorganic compounds detected in the compliance well network were equal to or above their respective SWSLs. The following table summarizes the findings shown on the time series graphs for the compliance monitor wells.

Trend Graph Summary for Organic Compounds in Compliance Monitor Wells (µg/L)

Well ID	Constituent	Standard	Detections Above Standard	Number of Detections	SWSL	Trend
MW-1A	cis-1,2-dichloroethene	70	4	27	5	Downward
MW-5	benzene	1	19	19	1	Downward
	1,1-dichloroethane	7	30	30	5	Downward
	trichloroethene	2.8	27	27	1	Downward
	cis-1,2-dichloroethene	70	30	30	5	Upward
	1,2-dichloroethane	0.38	3	3	1	No Trend
	1,2-dichloropropane	0.51	2	2	1	No Trend
	chlorobenzene	50	0	24	3	No Trend
	1,4-dichlorobenzene	1.4	17	17	1	Slight Upward
	toluene	1,000	0	2	1	No Trend
	trans-1,2-dichloroethene	100	0	15	5	No Trend
	vinyl chloride	0.015	26	26	1	Slight Upward
MW-6	No VOCs Detected	NA	NA	NA	NA	NA
MW-7A	benzene	1	4	4	1	No Trend
	vinyl chloride	0.015	2	2	1	No Trend

Trend Graph Summary for Inorganic Compounds in Compliance Monitor Wells (mg/L)

Well ID	Constituent	Standard	Detections Above Standard	Number of Detections	SWSL	Trend
MW-1A	Zinc	1.05	0	9	0.01	No Trend
MW-5	nickel	0.1	8	23	0.05	Slight Downward
	cobalt	0.07	9	24	0.01	Upward
	zinc	1.05	0	28	0.01	Slight Downward
	barium	2	0	4	0.1	Downward
	arsenic	0.0035	16	15	0.025	Slight Upward
MW-6	barium	2	0	4	0.1	No Trend
	zinc	1.05	0	7	0.01	No Trend
MW-7A	arsenic	0.0035	3	3	0.025	Upward
	barium	2	0	4	0.1	No Trend
	chromium	0.05	0	3	0.01	No Trend

Monitor Well MW-1A

The groundwater sample collected from compliance monitor well MW-1A had two VOCs (cis-1,2-dichloroethene and 1,1-dichloroethane) detected above the laboratory MDLs, but below their respective SWSLs and 2L Standards during the July 2008 sampling event. The time series graphs for cis-1,2-dichloroethene and 1,1-dichloroethane at MW-1A show a trend of decreasing concentrations over time.

Eight inorganic constituents were detected above the laboratory MDLs during the July 2008 sampling event in the sample collected from compliance monitor well MW-1A. The

concentration of zinc exceeded its respective SWSL. There are insufficient data to identify a discernable trend for zinc at this well.

Monitor Well MW-5

Benzene, 1,4-dichlorobenzene, 1,2-dichloroethane, cis-1,2-dichloroethene, 1,2-dichloropropane, trichloroethene, and vinyl chloride concentrations were detected exceeding their respective SWSLs and 2L Standards in the groundwater sample collected from MW-5 during the July 2008 sampling event. Chlorobenzene, 1,1-dichloroethane, trans-1,2-dichloroethene, and toluene concentrations were detected above their respective SWSLs but below their respective 2L Standards. The constituents listed above have historically been detected in MW-5 with the exception of 1,2-dichloroethane and 1,2-dichloropropane.

The groundwater sample collected from MW-5 had eight inorganic constituents detected above the laboratory MDLs during the July 2008 sampling event. Five of these inorganic constituents (arsenic, barium, cobalt, nickel, and zinc) exceeded their respective SWSLs. The concentration of cobalt also exceeded its GWPST.

Monitor Wells MW-6

1,1-Dichloroethane was detected above the MDL but below its respective SWSL and 2L Standard in the groundwater sample collected from monitor well MW-6 during the July 2008 sampling event. Eight inorganic constituents were detected above the laboratory MDL in the sample collected from compliance monitor well MW-6. Two of the eight inorganic constituents (barium and zinc) exceeded their respective SWSLs.

Monitor Well MW-7A

Seven VOCs were detected at concentrations above their laboratory MDLs in the groundwater samples (one record sample and one duplicate) collected from compliance monitor well MW-7A during the July 2008 sampling event. Two of the detected constituents, which were below their respective standards and SWSLs, were detected in either the record sample or the duplicate sample.

Benzene was detected in the groundwater sample collected from MW-7A above its SWSL and 2L Standards. Vinyl chloride was detected above its respective 2L Standard. In our opinion, this detection does not likely indicate a change in groundwater quality at MW-7A, but rather reflects a change in the comparison protocol. Vinyl chloride has not been detected in the groundwater samples collected from MW-7A before 2008.

The groundwater sample collected from monitor well MW-7A had seven inorganic constituents detected above the laboratory MDLs during the July 2008 sampling event. Arsenic, barium, and chromium concentrations were equal to or above their respective SWSLs.

5.2.3 Previous Investigation and Selected Remedy for Corrective Measures

Investigations relevant to the constituents detected during detection monitoring were performed to delineate the area impacted by potential constituents of concern (COCs). The

findings of the investigation to delineate the potential COCs are summarized in the NES report (S&ME, June 2008). Potential COCs were further reviewed through an Alternate Source Demonstration (ASD) study (S&ME, June 2008). The ASD ruled out potential COCs that were likely found naturally in the environment on-site.

Based on the NES and ASD, the Assessment of Corrective Measures (ACM) report was prepared to evaluate feasible technologies to remediate COCs documented in the NES. Based on the feasibility study of the ACM, a remedy for corrective measures was selected and described in a formal Corrective Action Plan (CAP). The proposed remedy will utilize a hydraulic barrier, improvements to the landfill cap, and monitored natural attenuation.

6.0 CONCLUSIONS AND RECOMMENDATIONS

S&ME performed semiannual sampling at the Edgecombe County Landfill in Tarboro, North Carolina. During the July 2008 sampling event, groundwater samples were collected from three background (upgradient) and four compliance (downgradient) monitoring wells. Two surface water samples (one upstream and one downstream) were also collected from Jerry's Creek. 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 measured in monitor wells MW-5S, MW-5D, MW-8A, MW-10, and piezometers P-1, P-2A, and P-3A.

6.1 SUMMARY OF JULY 2008 SAMPLING EVENT

- Based on the water table elevations and calculated potentiometric surface, the groundwater flow direction within the surficial aquifer was estimated to be toward the north-northeast with an average hydraulic gradient of 0.0199 ft/ft. The average groundwater flow velocity for the site is approximately 12.9 ft/yr.

- Constituent concentrations of thirty Appendix I analytes were detected above their respective laboratory MDLs in the samples collected. Of these thirty constituents, nine were detected at concentrations that exceeded groundwater 2L Standards or GWPSTs.

- Vanadium exceeded its respective groundwater standard in upgradient (background) samples collected from the monitor wells MW-3B and MW-4.

- Samples collected from MW-5 had the most detections of Appendix I constituents above the 2L Standards/GWPSTs. These included benzene, 1,2-dichloroethane, 1,4-dichlorobenzene, cis-1,2-dichloroethene, 1,2-dichloropropane, trichloroethene, vinyl chloride, and cobalt. Groundwater sample analysis from monitor well MW-7A had reported benzene and vinyl chloride concentrations that were above the 2L Standards/GWPSTs.

- Time series graphs of historical concentration data were reviewed in place of statistical analysis for the July 2008 sampling event. The zinc concentration graph indicated a slight upward trend in monitor well MW-9A. However, the zinc concentrations were below the 2L Standard. Inorganic concentrations detected in groundwater from background wells MW-3B and MW-4 had either no discernable trends or the trends were downward. Monitor well MW-5 test data indicated upward trends in concentrations of cis-1,2-dichloroethene, 1,4-dichlorbenzene, cobalt, and arsenic. Data from monitor well MW-1A indicated a downward trend for concentrations of cis-1,2-dichloroethene. Arsenic concentrations indicated on upward trend in monitor well

MW-7A. The remaining constituents either had no discernable trends or their trends were downward.

6.2 Recommendations

The results of the July 2008 sampling event show that groundwater near the Edgecombe County Landfill has been impacted by a release of constituents from the facility. Based on the number of analytes detected in the groundwater at the landfill during this sampling event, S&ME recommends that semiannual 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 should exclude Appendix II monitoring unless new compounds or elevated constituent concentrations are detected.

The additional assessment performed at the site as part of the NES and ACM refined the source characterization, determination of constituents-of-concern, and evaluation of corrective actions, Based on the additional findings presented in the NES and ACM, the County has selected a remedy for corrective measures submitted a corrective action plan (CAP). The proposed CAP included a revised WQMP. The applicable sampling and analysis requirements described in the in the revised WQMP should be implemented during the next semi-annual sampling event scheduled in January 2009.

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

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

S&ME, Inc., *Alternate Source Demonstration Report, Edgecombe County Landfill*, June 10, 2008.

S&ME, Inc., *Assessment of Corrective Measures Report, Edgecombe County Landfill*, June 26, 2008.

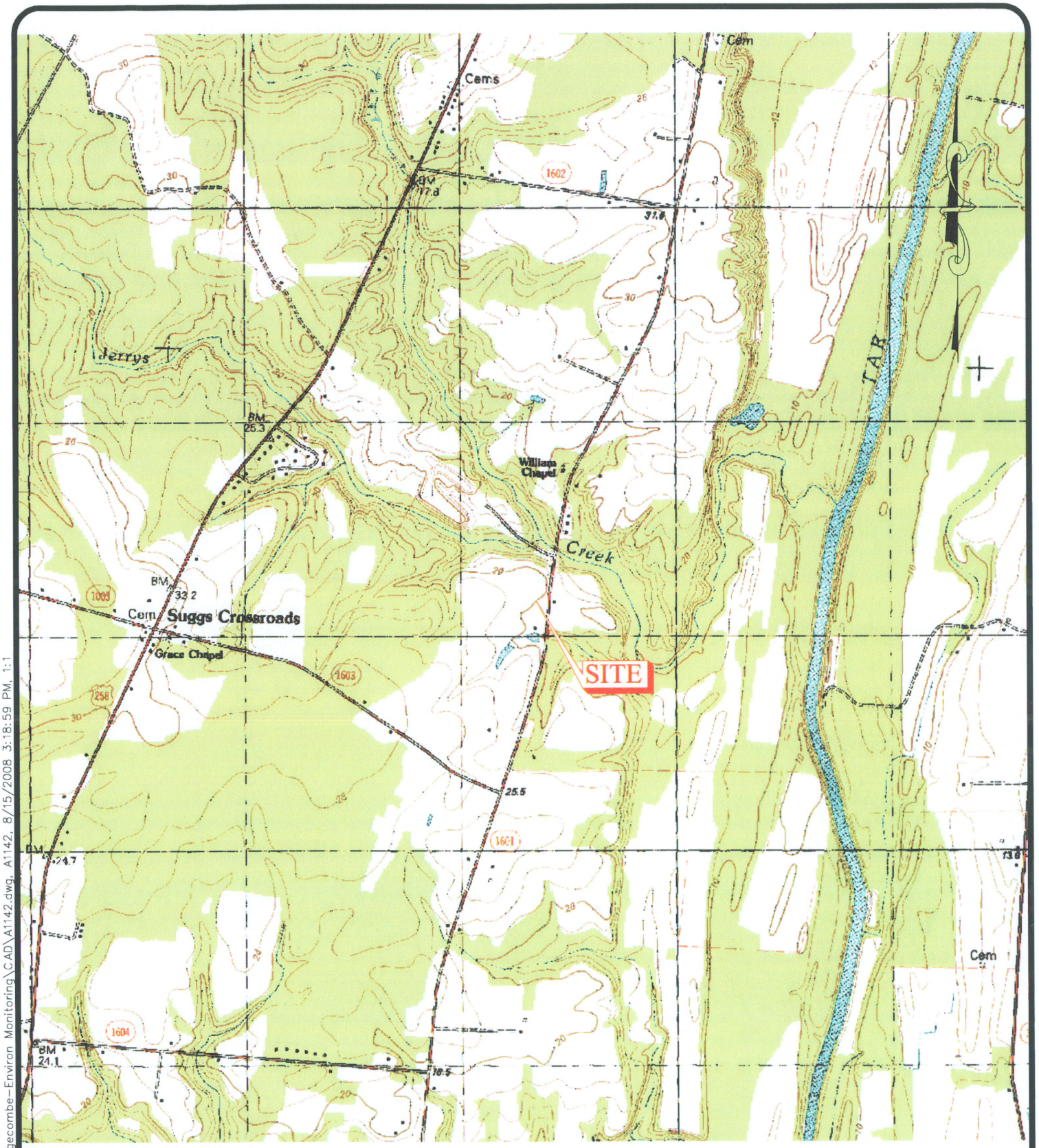
S&ME, Inc., *Nature and Extent Study, Edgecombe County Landfill*, June 25, 2008.

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

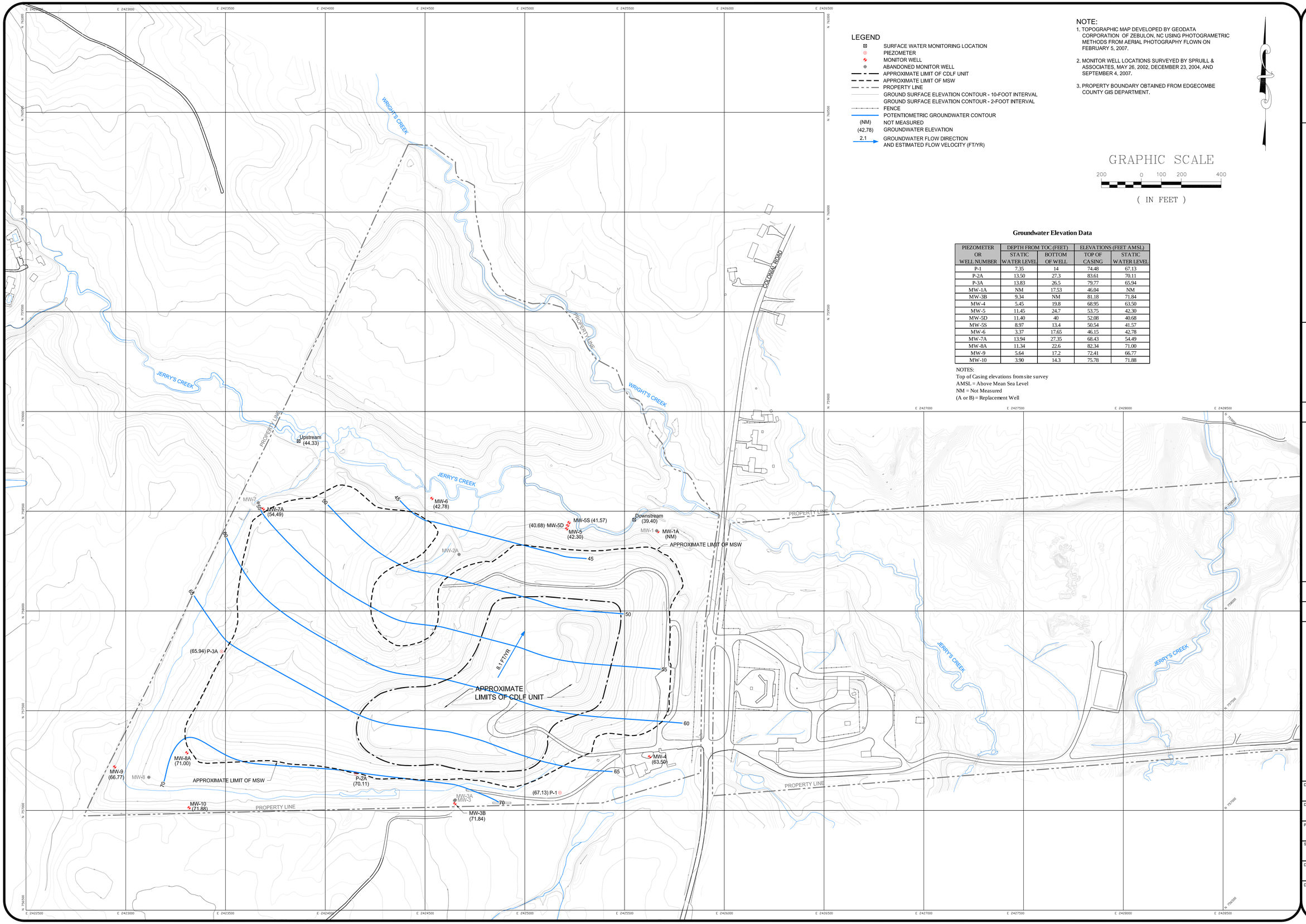


TOPO SOURCE: NCGS DRG
OLD SPARTA, NC (035077G5) DATED 1981

A-1142

SCALE: 1" = 2,000'	S&ME WWW.SMEINC.COM	VICINITY MAP	FIGURE NO.
DATE: AUG. 2008		JULY 9, 2008 ENV. COMPLIANCE MONITORING EDGECOMBE COUNTY LANDFILL TARBORO, NORTH CAROLINA	1
DRAWN BY:			
PROJECT NO: 1054-07-238			

S:\PROJECTS\2007\07-238 Edgecombe-Environ Monitoring\CAD\A1142.dwg, A1142, 8/15/2008 3:18:59 PM, 1:1



LEGEND

- SURFACE WATER MONITORING LOCATION
- PIEZOMETER
- MONITOR WELL
- ABANDONED MONITOR WELL
- APPROXIMATE LIMIT OF CDLF UNIT
- APPROXIMATE LIMIT OF MSW
- PROPERTY LINE
- GROUND SURFACE ELEVATION CONTOUR - 10-FOOT INTERVAL
- GROUND SURFACE ELEVATION CONTOUR - 2-FOOT INTERVAL
- FENCE
- POTENTIOMETRIC GROUNDWATER CONTOUR
- (NM) NOT MEASURED
- (42.78) GROUNDWATER ELEVATION
- 2.1 GROUNDWATER FLOW DIRECTION AND ESTIMATED 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.

GRAPHIC SCALE

200 0 100 200 400

(IN FEET)

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	7.35	14	74.48	67.13
P-2A	13.50	27.3	83.61	70.11
P-3A	13.83	26.5	79.77	65.94
MW-1A	NM	17.53	46.04	NM
MW-3B	9.34	NM	81.18	71.84
MW-4	5.45	19.8	68.95	63.50
MW-5	11.45	24.7	53.75	42.30
MW-5D	11.40	40	52.08	40.68
MW-5S	8.97	13.4	50.54	41.57
MW-6	3.37	17.65	46.15	42.78
MW-7A	13.94	27.35	68.43	54.49
MW-8A	11.34	22.6	82.34	71.00
MW-9	5.64	17.2	72.41	66.77
MW-10	3.90	14.3	75.78	71.88

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

S&ME
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NO.	DATE	DESCRIPTION	BY

GROUNDWATER POTENTIOMETRIC MAP
JULY 9, 2008
ENVIRONMENTAL COMPLIANCE MONITORING

EDGECOMBE COUNTY LANDFILL
TARBORO, NORTH CAROLINA

DRAWN BY: BTR	CHECKED BY:
DESIGNED BY:	APPROVED BY:
PROJECT NUMBER: 1054-07-238	
SCALE: 1" = 200'	DATE: AUG. 2008
DRAWING NUMBER: D-1038	
DRAWING: 2	OF: 2

TABLES

Table 1
Groundwater Elevation Data, Field Parameters, and
Laboratory Analysis Summary
Edgecombe County Landfill
July 9, 2008
S&ME Project No. 1054-07-238A

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	7.35	ft			7/9/2008		
33-01	P-1		411	Total Well Depth	NM	ft			7/9/2008		
33-01	P-1		328	TOC Elevation	74.48	ft AMSL			7/9/2008		
33-01	P-1		319	Groundwater Elevation	67.13	ft AMSL			7/9/2008		
33-01	P-2A		318	Depth To Water	13.50	ft			7/9/2008		
33-01	P-2A		411	Total Well Depth	27.50	ft			7/9/2008		
33-01	P-2A		328	TOC Elevation	83.61	ft AMSL			7/9/2008		
33-01	P-2A		319	Groundwater Elevation	70.11	ft AMSL			7/9/2008		
33-01	P-3A		318	Depth To Water	13.83	ft			7/9/2008		
33-01	P-3A		411	Total Well Depth	27.50	ft			7/9/2008		
33-01	P-3A		328	TOC Elevation	79.77	ft AMSL			7/9/2008		
33-01	P-3A		319	Groundwater Elevation	65.94	ft AMSL			7/9/2008		
33-01	MW-1A		318	Depth To Water	NM	ft			7/9/2008		
33-01	MW-1A		411	Total Well Depth	17.53	ft			7/9/2008		
33-01	MW-1A		328	TOC Elevation	46.04	ft AMSL			7/9/2008		
33-01	MW-1A		319	Groundwater Elevation	NM	ft AMSL			7/9/2008		
33-01	MW-1A		320	pH	6.33	standard units			7/9/2008		
33-01	MW-1A		323	Specific Conductivity	0.540	mS/cm			7/9/2008		
33-01	MW-1A		325	Temperature	18.47	ºC			7/9/2008		
33-01	MW-1A		330	Turbidity	14.50	NTUs			7/9/2008		
33-01	MW-1A	630-20-6	190	1,1,1,2-Tetrachloroethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-1A	71-55-6	200	1,1,1-Trichloroethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-1A	79-34-5	191	1,1,2,2-Tetrachloroethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-1A	79-00-5	202	1,1,2-Trichloroethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-1A	75-34-3	75	1,1-Dichloroethane	0.0004	mg/l	J	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-1A	75-35-4	77	1,1-Dichloroethene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-1A	96-18-4	206	1,2,3-Trichloropropane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-1A	96-12-8	67	1,2-Dibromo-3-Chloropropane	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-1A	106-93-4	68	1,2-Dibromoethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-1A	95-50-1	69	1,2-Dichlorobenzene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-1A	107-06-2	76	1,2-Dichloroethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-1A	78-87-5	82	1,2-Dichloropropane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-1A	106-46-7	71	1,4-Dichlorobenzene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-1A	78-93-3	141	2-Butanone (MEK)	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-1A	591-78-6	124	2-Hexanone	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-1A	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-1A	67-64-1	3	Acetone	0.05	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-1A	107-13-1	8	Acrylonitrile	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-1A	7440-36-0	13	Antimony	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/15/2008
33-01	MW-1A	7440-38-2	14	Arsenic	0.0015	mg/l		1	7/9/2008	7/14/2008	7/15/2008
33-01	MW-1A	7440-39-3	15	Barium	0.077	mg/l		1	7/9/2008	7/12/2008	7/13/2008
33-01	MW-1A	71-43-2	16	Benzene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-1A	7440-41-7	23	Beryllium	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/15/2008
33-01	MW-1A	74-97-5	28	Bromochloromethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-1A	75-27-4	29	Bromodichloromethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-1A	75-25-2	30	Bromoform	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-1A	74-83-9	136	Bromomethane	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-1A	7440-43-9	34	Cadmium	0.00028	mg/l	J	1	7/9/2008	7/14/2008	7/15/2008
33-01	MW-1A	75-15-0	35	Carbon disulfide	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-1A	56-23-5	36	Carbon tetrachloride	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-1A	108-90-7	39	Chlorobenzene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-1A	124-48-1	66	Chlorodibromomethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-1A	75-00-3	41	Chloroethane	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-1A	67-66-3	44	Chloroform	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-1A	74-87-3	137	Chloromethane	0.0025	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-1A	7440-47-3	51	Chromium	0.01	mg/l	U	1	7/9/2008	7/12/2008	7/13/2008
33-01	MW-1A	156-59-2	78	cis-1,2-Dichloroethene	0.0038	mg/l		1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-1A	10061-01-5	86	cis-1,3-Dichloropropene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-1A	7440-48-4	53	Cobalt	0.0032	mg/l	J	1	7/9/2008	7/12/2008	7/13/2008
33-01	MW-1A	7440-50-8	54	Copper	0.0036	mg/l		1	7/9/2008	7/14/2008	7/15/2008
33-01	MW-1A	74-95-3	139	Dibromomethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-1A	100-41-4	110	Ethylbenzene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-1A	74-88-4	142	Iodomethane	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-1A	7439-92-1	131	Lead	0.005	mg/l	U	1	7/9/2008	7/12/2008	7/13/2008
33-01	MW-1A	7439-97-6	132	Mercury	0.0002	mg/l	U	1	7/9/2008	7/14/2008	7/16/2008
33-01	MW-1A	75-09-2	140	Methylene Chloride	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-1A	7440-02-0	152	Nickel	0.02	mg/l	U	1	7/9/2008	7/12/2008	7/13/2008
33-01	MW-1A	7782-49-2	183	Selenium	0.00096	mg/l	J	1	7/9/2008	7/14/2008	7/15/2008
33-01	MW-1A	7440-22-4	184	Silver	0.01	mg/l	U	1	7/9/2008	7/12/2008	7/13/2008
33-01	MW-1A	100-42-5	186	Styrene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-1A	127-18-4	192	Tetrachloroethene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-1A	7440-28-0	194	Thallium	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/15/2008
33-01	MW-1A	108-88-3	196	Toluene	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-1A	156-60-5	79	trans-1,2-Dichloroethene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-1A	10061-02-6	87	trans-1,3-Dichloropropene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-1A	110-57-6	73	trans-1,4-Dichloro-2-butene	0.0025	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-1A	79-01-6	201	Trichloroethene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-1A	75-69-4	203	Trichlorofluoromethane	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-1A	7440-62-2	209	Vanadium	0.0025	mg/l	J	1	7/9/2008	7/12/2008	7/13/2008
33-01	MW-1A	108-05-4	210	Vinyl acetate	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-1A	75-01-4	211	Vinyl chloride	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-1A	1330-20-7	346	Xylenes, Total	0.003	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-1A	7440-66-6	213	Zinc	0.018	mg/l		1	7/9/2008	7/14/2008	7/15/2008
33-01	MW-3B		318	Depth To Water	9.34	ft			7/9/2008		
33-01	MW-3B		411	Total Well Depth	23.44	ft			7/9/2008		
33-01	MW-3B		328	TOC Elevation	81.18	ft AMSL			7/9/2008		
33-01	MW-3B		319	Groundwater Elevation	71.84	ft AMSL			7/9/2008		
33-01	MW-3B		320	pH	3.02	standard units			7/9/2008		
33-01	MW-3B		323	Specific Conductivity	0.295	mS/cm			7/9/2008		
33-01	MW-3B		325	Temperature	17.28	ºC			7/9/2008		
33-01	MW-3B		330	Turbidity	1.10	NTUs			7/9/2008		
33-01	MW-3B	630-20-6	190	1,1,1,2-Tetrachloroethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-3B	71-55-6	200	1,1,1-Trichloroethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-3B	79-34-5	191	1,1,2,2-Tetrachloroethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-3B	79-00-5	202	1,1,2-Trichloroethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-3B	75-34-3	75	1,1-Dichloroethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-3B	75-35-4	77	1,1-Dichloroethene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-3B	96-18-4	206	1,2,3-Trichloropropane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-3B	96-12-8	67	1,2-Dibromo-3-Chloropropane	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-3B	106-93-4	68	1,2-Dibromoethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008

Table 1
Groundwater Elevation Data, Field Parameters, and
Laboratory Analysis Summary
Edgecombe County Landfill
July 9, 2008
S&ME Project No. 1054-07-238A

Facility Permit	Well ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifier	Dilution Factor	Collection Date	Extraction Date	Analysis Date
33-01	MW-3B	95-50-1	69	1,2-Dichlorobenzene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-3B	107-06-2	76	1,2-Dichloroethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-3B	78-87-5	82	1,2-Dichloropropane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-3B	106-46-7	71	1,4-Dichlorobenzene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-3B	78-93-3	141	2-Butanone (MEK)	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-3B	591-78-6	124	2-Hexanone	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-3B	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-3B	67-64-1	3	Acetone	0.05	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-3B	107-13-1	8	Acrylonitrile	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-3B	7440-36-0	13	Antimony	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/15/2008
33-01	MW-3B	7440-38-2	14	Arsenic	0.0052	mg/l		1	7/9/2008	7/14/2008	7/15/2008
33-01	MW-3B	7440-39-3	15	Barium	0.15	mg/l		1	7/9/2008	7/12/2008	7/13/2008
33-01	MW-3B	71-43-2	16	Benzene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-3B	7440-41-7	23	Beryllium	0.00097	mg/l	J	1	7/9/2008	7/14/2008	7/15/2008
33-01	MW-3B	74-97-5	28	Bromochloromethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-3B	75-27-4	29	Bromodichloromethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-3B	75-25-2	30	Bromoform	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-3B	74-83-9	136	Bromomethane	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-3B	7440-43-9	34	Cadmium	0.00086	mg/l		1	7/9/2008	7/14/2008	7/15/2008
33-01	MW-3B	75-15-0	35	Carbon disulfide	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-3B	56-23-5	36	Carbon tetrachloride	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-3B	108-90-7	39	Chlorobenzene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-3B	124-48-1	66	Chlorodibromomethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-3B	75-00-3	41	Chloroethane	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-3B	67-66-3	44	Chloroform	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-3B	74-87-3	137	Chloromethane	0.0025	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-3B	7440-47-3	51	Chromium	0.01	mg/l	U	1	7/9/2008	7/12/2008	7/13/2008
33-01	MW-3B	156-59-2	78	cis-1,2-Dichloroethene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-3B	10061-01-5	86	cis-1,3-Dichloropropene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-3B	7440-48-4	53	Cobalt	0.028	mg/l		1	7/9/2008	7/12/2008	7/13/2008
33-01	MW-3B	7440-50-8	54	Copper	0.00073	mg/l	J	1	7/9/2008	7/14/2008	7/15/2008
33-01	MW-3B	74-95-3	139	Dibromomethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-3B	100-41-4	110	Ethylbenzene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-3B	74-88-4	142	Iodomethane	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-3B	7439-92-1	131	Lead	0.005	mg/l	U	1	7/9/2008	7/12/2008	7/13/2008
33-01	MW-3B	7439-97-6	132	Mercury	0.0002	mg/l	U	1	7/9/2008	7/14/2008	7/16/2008
33-01	MW-3B	75-09-2	140	Methylene Chloride	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-3B	7440-02-0	152	Nickel	0.018	mg/l	J	1	7/9/2008	7/12/2008	7/13/2008
33-01	MW-3B	7782-49-2	183	Selenium	0.00091	mg/l	J	1	7/9/2008	7/14/2008	7/15/2008
33-01	MW-3B	7440-22-4	184	Silver	0.01	mg/l	U	1	7/9/2008	7/12/2008	7/13/2008
33-01	MW-3B	100-42-5	186	Styrene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-3B	127-18-4	192	Tetrachloroethene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-3B	7440-28-0	194	Thallium	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/15/2008
33-01	MW-3B	108-88-3	196	Toluene	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-3B	156-60-5	79	trans-1,2-Dichloroethene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-3B	10061-02-6	87	trans-1,3-Dichloropropene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-3B	110-57-6	73	trans-1,4-Dichloro-2-butene	0.0025	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-3B	79-01-6	201	Trichloroethene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-3B	75-69-4	203	Trichlorofluoromethane	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-3B	7440-62-2	209	Vanadium	0.0082	mg/l	J	1	7/9/2008	7/12/2008	7/13/2008
33-01	MW-3B	108-05-4	210	Vinyl acetate	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-3B	75-01-4	211	Vinyl chloride	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-3B	1330-20-7	346	Xylenes, Total	0.003	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-3B	7440-66-6	213	Zinc	0.047	mg/l		1	7/9/2008	7/14/2008	7/15/2008
33-01	MW-4		318	Depth To Water	5.45	ft			7/9/2008		
33-01	MW-4		411	Total Well Depth	19.86	ft			7/9/2008		
33-01	MW-4		328	TOC Elevation	68.95	ft AMSL			7/9/2008		
33-01	MW-4		319	Groundwater Elevation	63.50	ft AMSL			7/9/2008		
33-01	MW-4		320	pH	7.20	standard units			7/9/2008		
33-01	MW-4		323	Specific Conductivity	0.380	mS/cm			7/9/2008		
33-01	MW-4		325	Temperature	22.73	^{o}C			7/9/2008		
33-01	MW-4		330	Turbidity	4.65	NTUs			7/9/2008		
33-01	MW-4	630-20-6	190	1,1,1,2-Tetrachloroethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-4	71-55-6	200	1,1,1-Trichloroethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-4	79-34-5	191	1,1,2,2-Tetrachloroethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-4	79-00-5	202	1,1,2-Trichloroethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-4	75-34-3	75	1,1-Dichloroethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-4	75-35-4	77	1,1-Dichloroethene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-4	96-18-4	206	1,2,3-Trichloropropane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-4	96-12-8	67	1,2-Dibromo-3-Chloropropane	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-4	106-93-4	68	1,2-Dibromoethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-4	95-50-1	69	1,2-Dichlorobenzene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-4	107-06-2	76	1,2-Dichloroethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-4	78-87-5	82	1,2-Dichloropropane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-4	106-46-7	71	1,4-Dichlorobenzene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-4	78-93-3	141	2-Butanone (MEK)	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-4	591-78-6	124	2-Hexanone	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-4	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-4	67-64-1	3	Acetone	0.05	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-4	107-13-1	8	Acrylonitrile	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-4	7440-36-0	13	Antimony	0.00039	mg/l	J	1	7/9/2008	7/14/2008	7/15/2008
33-01	MW-4	7440-38-2	14	Arsenic	0.016	mg/l		1	7/9/2008	7/14/2008	7/15/2008
33-01	MW-4	7440-39-3	15	Barium	0.062	mg/l		1	7/9/2008	7/12/2008	7/13/2008
33-01	MW-4	71-43-2	16	Benzene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-4	7440-41-7	23	Beryllium	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/15/2008
33-01	MW-4	74-97-5	28	Bromochloromethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-4	75-27-4	29	Bromodichloromethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-4	75-25-2	30	Bromoform	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-4	74-83-9	136	Bromomethane	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-4	7440-43-9	34	Cadmium	0.0005	mg/l	U	1	7/9/2008	7/14/2008	7/15/2008
33-01	MW-4	75-15-0	35	Carbon disulfide	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-4	56-23-5	36	Carbon tetrachloride	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-4	108-90-7	39	Chlorobenzene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-4	124-48-1	66	Chlorodibromomethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-4	75-00-3	41	Chloroethane	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-4	67-66-3	44	Chloroform	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-4	74-87-3	137	Chloromethane	0.0025	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-4	7440-47-3	51	Chromium	0.0022	mg/l	J	1	7/9/2008	7/12/2008	7/13/2008
33-01	MW-4	156-59-2	78	cis-1,2-Dichloroethene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-4	10061-01-5	86	cis-1,3-Dichloropropene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008

Table 1
Groundwater Elevation Data, Field Parameters, and
Laboratory Analysis Summary
Edgecombe County Landfill
July 9, 2008
S&ME Project No. 1054-07-238A

Facility Permit	Well ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifier	Dilution Factor	Collection Date	Extraction Date	Analysis Date
33-01	MW-4	7440-48-4	53	Cobalt	0.0016	mg/l	J	1	7/9/2008	7/12/2008	7/13/2008
33-01	MW-4	7440-50-8	54	Copper	0.00049	mg/l	J	1	7/9/2008	7/14/2008	7/15/2008
33-01	MW-4	74-95-3	139	Dibromomethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-4	100-41-4	110	Ethylbenzene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-4	74-88-4	142	Iodomethane	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-4	7439-92-1	131	Lead	0.005	mg/l	U	1	7/9/2008	7/12/2008	7/13/2008
33-01	MW-4	7439-97-6	132	Mercury	0.0002	mg/l	U	1	7/9/2008	7/14/2008	7/16/2008
33-01	MW-4	75-09-2	140	Methylene Chloride	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-4	7440-02-0	152	Nickel	0.02	mg/l	U	1	7/9/2008	7/12/2008	7/13/2008
33-01	MW-4	7782-49-2	183	Selenium	0.0012	mg/l		1	7/9/2008	7/14/2008	7/15/2008
33-01	MW-4	7440-22-4	184	Silver	0.01	mg/l	U	1	7/9/2008	7/12/2008	7/13/2008
33-01	MW-4	100-42-5	186	Styrene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-4	127-18-4	192	Tetrachloroethene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-4	7440-28-0	194	Thallium	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/15/2008
33-01	MW-4	108-88-3	196	Toluene	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-4	156-60-5	79	trans-1,2-Dichloroethene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-4	10061-02-6	87	trans-1,3-Dichloropropene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-4	110-57-6	73	trans-1,4-Dichloro-2-butene	0.0025	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-4	79-01-6	201	Trichloroethene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-4	75-69-4	203	Trichlorofluoromethane	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-4	7440-62-2	209	Vanadium	0.005	mg/l	J	1	7/9/2008	7/12/2008	7/13/2008
33-01	MW-4	108-05-4	210	Vinyl acetate	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-4	75-01-4	211	Vinyl chloride	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-4	1330-20-7	346	Xylenes, Total	0.003	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-4	7440-66-6	213	Zinc	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/15/2008
33-01	MW-5		318	Depth To Water	11.45	ft			7/9/2008		
33-01	MW-5		411	Total Well Depth	24.81	ft			7/9/2008		
33-01	MW-5		328	TOC Elevation	53.75	ft AMSL			7/9/2008		
33-01	MW-5		319	Groundwater Elevation	42.30	ft AMSL			7/9/2008		
33-01	MW-5		320	pH	7.84	standard units			7/9/2008		
33-01	MW-5		323	Specific Conductivity	0.115	mS/cm			7/9/2008		
33-01	MW-5		325	Temperature	17.04	ºC			7/9/2008		
33-01	MW-5		330	Turbidity	6.89	NTUs			7/9/2008		
33-01	MW-5	630-20-6	190	1,1,1,2-Tetrachloroethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-5	71-55-6	200	1,1,1-Trichloroethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-5	79-34-5	191	1,1,2,2-Tetrachloroethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-5	79-00-5	202	1,1,2-Trichloroethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-5	75-34-3	75	1,1-Dichloroethane	0.02	mg/l		1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-5	75-35-4	77	1,1-Dichloroethene	0.0017	mg/l		1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-5	96-18-4	206	1,2,3-Trichloropropane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-5	96-12-8	67	1,2-Dibromo-3-Chloropropane	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-5	106-93-4	68	1,2-Dibromoethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-5	95-50-1	69	1,2-Dichlorobenzene	0.0014	mg/l		1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-5	107-06-2	76	1,2-Dichloroethane	0.0015	mg/l		1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-5	78-87-5	82	1,2-Dichloropropane	0.0021	mg/l		1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-5	106-46-7	71	1,4-Dichlorobenzene	0.0097	mg/l		1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-5	78-93-3	141	2-Butanone (MEK)	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-5	591-78-6	124	2-Hexanone	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-5	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-5	67-64-1	3	Acetone	0.05	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-5	107-13-1	8	Acrylonitrile	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-5	7440-36-0	13	Antimony	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/15/2008
33-01	MW-5	7440-38-2	14	Arsenic	0.022	mg/l		5	7/9/2008	7/14/2008	7/15/2008
33-01	MW-5	7440-39-3	15	Barium	0.18	mg/l		1	7/9/2008	7/12/2008	7/13/2008
33-01	MW-5	71-43-2	16	Benzene	0.0071	mg/l		1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-5	7440-41-7	23	Beryllium	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/15/2008
33-01	MW-5	74-97-5	28	Bromochloromethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-5	75-27-4	29	Bromodichloromethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-5	75-25-2	30	Bromoform	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-5	74-83-9	136	Bromomethane	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-5	7440-43-9	34	Cadmium	0.0005	mg/l	U	1	7/9/2008	7/14/2008	7/15/2008
33-01	MW-5	75-15-0	35	Carbon disulfide	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-5	56-23-5	36	Carbon tetrachloride	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-5	108-90-7	39	Chlorobenzene	0.019	mg/l		1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-5	124-48-1	66	Chlorodibromomethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-5	75-00-3	41	Chloroethane	0.0031	mg/l	J	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-5	67-66-3	44	Chloroform	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-5	74-87-3	137	Chloromethane	0.0025	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-5	7440-47-3	51	Chromium	0.0055	mg/l	J	1	7/9/2008	7/12/2008	7/13/2008
33-01	MW-5	156-59-2	78	cis-1,2-Dichloroethene	0.83	mg/l		20	7/9/2008	7/15/2008	7/15/2008
33-01	MW-5	10061-01-5	86	cis-1,3-Dichloropropene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-5	7440-48-4	53	Cobalt	0.15	mg/l		1	7/9/2008	7/12/2008	7/13/2008
33-01	MW-5	7440-50-8	54	Copper	0.005	mg/l	U	5	7/9/2008	7/14/2008	7/15/2008
33-01	MW-5	74-95-3	139	Dibromomethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-5	100-41-4	110	Ethylbenzene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-5	74-88-4	142	Iodomethane	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-5	7439-92-1	131	Lead	0.0081	mg/l		1	7/9/2008	7/12/2008	7/13/2008
33-01	MW-5	7439-97-6	132	Mercury	0.0002	mg/l	U	1	7/9/2008	7/14/2008	7/16/2008
33-01	MW-5	75-09-2	140	Methylene Chloride	0.00042	mg/l	J	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-5	7440-02-0	152	Nickel	0.051	mg/l		1	7/9/2008	7/12/2008	7/13/2008
33-01	MW-5	7782-49-2	183	Selenium	0.005	mg/l	U	5	7/9/2008	7/14/2008	7/15/2008
33-01	MW-5	7440-22-4	184	Silver	0.0094	mg/l	J	1	7/9/2008	7/12/2008	7/13/2008
33-01	MW-5	100-42-5	186	Styrene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-5	127-18-4	192	Tetrachloroethene	0.0005	mg/l	J	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-5	7440-28-0	194	Thallium	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/15/2008
33-01	MW-5	108-88-3	196	Toluene	0.0013	mg/l	J	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-5	156-60-5	79	trans-1,2-Dichloroethene	0.0053	mg/l		1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-5	10061-02-6	87	trans-1,3-Dichloropropene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-5	110-57-6	73	trans-1,4-Dichloro-2-butene	0.0025	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-5	79-01-6	201	Trichloroethene	0.0029	mg/l		1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-5	75-69-4	203	Trichlorofluoromethane	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-5	7440-62-2	209	Vanadium	0.01	mg/l	U	1	7/9/2008	7/12/2008	7/13/2008
33-01	MW-5	108-05-4	210	Vinyl acetate	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-5	75-01-4	211	Vinyl chloride	0.039	mg/l		1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-5	1330-20-7	346	Xylenes, Total	0.003	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-5	7440-66-6	213	Zinc	0.052	mg/l		5	7/9/2008	7/14/2008	7/15/2008
33-01	MW-5D		318	Depth To Water	11.40	ft			7/9/2008		
33-01	MW-5D		411	Total Well Depth	43.00	ft			7/9/2008		
33-01	MW-5D		328	TOC Elevation	52.08	ft AMSL			7/9/2008		
33-01	MW-5D		319	Groundwater Elevation	40.68	ft AMSL			7/9/2008		

Table 1
Groundwater Elevation Data, Field Parameters, and
Laboratory Analysis Summary
Edgecombe County Landfill
July 9, 2008
S&ME Project No. 1054-07-238A

Facility Permit	Well ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifier	Dilution Factor	Collection Date	Extraction Date	Analysis Date
33-01	MW-5S		318	Depth To Water	8.97	ft			7/9/2008		
33-01	MW-5S		411	Total Well Depth	NM	ft			7/9/2008		
33-01	MW-5S		328	TOC Elevation	50.54	ft AMSL			7/9/2008		
33-01	MW-5S		319	Groundwater Elevation	41.57	ft AMSL			7/9/2008		
33-01	MW-6		318	Depth To Water	3.37	ft.			7/9/2008		
33-01	MW-6		411	Total Well Depth	18.75	ft.			7/9/2008		
33-01	MW-6		328	TOC Elevation	46.15	ft AMSL			7/9/2008		
33-01	MW-6		319	Groundwater Elevation	42.78	ft AMSL			7/9/2008		
33-01	MW-6		320	pH	5.76	standard units			7/9/2008		
33-01	MW-6		323	Specific Conductivity	0.362	mS/cm			7/9/2008		
33-01	MW-6		325	Temperature	18.80	ºC			7/9/2008		
33-01	MW-6		330	Turbidity	9.59	NTUs			7/9/2008		
33-01	MW-6	630-20-6	190	1,1,1,2-Tetrachloroethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-6	71-55-6	200	1,1,1-Trichloroethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-6	79-34-5	191	1,1,2,2-Tetrachloroethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-6	79-00-5	202	1,1,2-Trichloroethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-6	75-34-3	75	1,1-Dichloroethane	0.0004	mg/l	J	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-6	75-35-4	77	1,1-Dichloroethene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-6	96-18-4	206	1,2,3-Trichloropropane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-6	96-12-8	67	1,2-Dibromo-3-Chloropropane	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-6	106-93-4	68	1,2-Dibromoethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-6	95-50-1	69	1,2-Dichlorobenzene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-6	107-06-2	76	1,2-Dichloroethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-6	78-87-5	82	1,2-Dichloropropane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-6	106-46-7	71	1,4-Dichlorobenzene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-6	78-93-3	141	2-Butanone (MEK)	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-6	591-78-6	124	2-Hexanone	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-6	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-6	67-64-1	3	Acetone	0.05	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-6	107-13-1	8	Acrylonitrile	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-6	7440-36-0	13	Antimony	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/15/2008
33-01	MW-6	7440-38-2	14	Arsenic	0.0014	mg/l		1	7/9/2008	7/14/2008	7/15/2008
33-01	MW-6	7440-39-3	15	Barium	0.14	mg/l		1	7/9/2008	7/12/2008	7/14/2008
33-01	MW-6	71-43-2	16	Benzene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-6	7440-41-7	23	Beryllium	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/15/2008
33-01	MW-6	74-97-5	28	Bromochloromethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-6	75-27-4	29	Bromodichloromethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-6	75-25-2	30	Bromoform	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-6	74-83-9	136	Bromomethane	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-6	7440-43-9	34	Cadmium	0.00033	mg/l	J	1	7/9/2008	7/14/2008	7/15/2008
33-01	MW-6	75-15-0	35	Carbon disulfide	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-6	56-23-5	36	Carbon tetrachloride	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-6	108-90-7	39	Chlorobenzene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-6	124-48-1	66	Chlorodibromomethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-6	75-00-3	41	Chloroethane	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-6	67-66-3	44	Chloroform	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-6	74-87-3	137	Chloromethane	0.0025	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-6	7440-47-3	51	Chromium	0.01	mg/l	U	1	7/9/2008	7/12/2008	7/14/2008
33-01	MW-6	156-59-2	78	cis-1,2-Dichloroethene	0.001	mg/l	U	1	7/9/2008	7/15/2008	7/15/2008
33-01	MW-6	10061-01-5	86	cis-1,3-Dichloropropene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-6	7440-48-4	53	Cobalt	0.0033	mg/l	J	1	7/9/2008	7/12/2008	7/14/2008
33-01	MW-6	7440-50-8	54	Copper	0.0019	mg/l		1	7/9/2008	7/14/2008	7/15/2008
33-01	MW-6	74-95-3	139	Dibromomethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-6	100-41-4	110	Ethylbenzene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-6	74-88-4	142	Iodomethane	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-6	7439-92-1	131	Lead	0.0025	mg/l	J	1	7/9/2008	7/12/2008	7/14/2008
33-01	MW-6	7439-97-6	132	Mercury	0.0002	mg/l	U	1	7/9/2008	7/14/2008	7/16/2008
33-01	MW-6	75-09-2	140	Methylene Chloride	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-6	7440-02-0	152	Nickel	0.02	mg/l	U	1	7/9/2008	7/12/2008	7/14/2008
33-01	MW-6	7782-49-2	183	Selenium	0.00079	mg/l	J	1	7/9/2008	7/14/2008	7/15/2008
33-01	MW-6	7440-22-4	184	Silver	0.01	mg/l	U	1	7/9/2008	7/12/2008	7/14/2008
33-01	MW-6	100-42-5	186	Styrene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-6	127-18-4	192	Tetrachloroethene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-6	7440-28-0	194	Thallium	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/15/2008
33-01	MW-6	108-88-3	196	Toluene	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-6	156-60-5	79	trans-1,2-Dichloroethene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-6	10061-02-6	87	trans-1,3-Dichloropropene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-6	110-57-6	73	trans-1,4-Dichloro-2-butene	0.0025	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-6	79-01-6	201	Trichloroethene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-6	75-69-4	203	Trichlorofluoromethane	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-6	7440-62-2	209	Vanadium	0.01	mg/l	U	1	7/9/2008	7/12/2008	7/14/2008
33-01	MW-6	108-05-4	210	Vinyl acetate	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-6	75-01-4	211	Vinyl chloride	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-6	1330-20-7	346	Xylenes, Total	0.003	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-6	7440-66-6	213	Zinc	0.02	mg/l		1	7/9/2008	7/14/2008	7/15/2008
33-01	MW-7A		318	Depth To Water	13.94	ft			7/9/2008		
33-01	MW-7A		411	Total Well Depth	27.50	ft			7/9/2008		
33-01	MW-7A		328	TOC Elevation	68.43	ft AMSL			7/9/2008		
33-01	MW-7A		319	Groundwater Elevation	54.49	ft AMSL			7/9/2008		
33-01	MW-7A		320	pH	7.70	standard units			7/9/2008		
33-01	MW-7A		323	Specific Conductivity	0.093	mS/cm			7/9/2008		
33-01	MW-7A		325	Temperature	18.00	ºC			7/9/2008		
33-01	MW-7A		330	Turbidity	14.50	NTUs			7/9/2008		
33-01	MW-7A	630-20-6	190	1,1,1,2-Tetrachloroethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-7A	71-55-6	200	1,1,1-Trichloroethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-7A	79-34-5	191	1,1,2,2-Tetrachloroethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-7A	79-00-5	202	1,1,2-Trichloroethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-7A	75-34-3	75	1,1-Dichloroethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-7A	75-35-4	77	1,1-Dichloroethene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-7A	96-18-4	206	1,2,3-Trichloropropane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-7A	96-12-8	67	1,2-Dibromo-3-Chloropropane	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-7A	106-93-4	68	1,2-Dibromoethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-7A	95-50-1	69	1,2-Dichlorobenzene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-7A	107-06-2	76	1,2-Dichloroethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-7A	78-87-5	82	1,2-Dichloropropane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-7A	106-46-7	71	1,4-Dichlorobenzene	0.00058	mg/l	J	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-7A	78-93-3	141	2-Butanone (MEK)	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-7A	591-78-6	124	2-Hexanone	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-7A	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-7A	67-64-1	3	Acetone	0.05	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008

Table 1
Groundwater Elevation Data, Field Parameters, and
Laboratory Analysis Summary
Edgecombe County Landfill
July 9, 2008
S&ME Project No. 1054-07-238A

Facility Permit	Well ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifier	Dilution Factor	Collection Date	Extraction Date	Analysis Date
33-01	MW-7A	107-13-1	8	Acrylonitrile	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-7A	7440-36-0	13	Antimony	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/15/2008
33-01	MW-7A	7440-38-2	14	Arsenic	0.023	mg/l		5	7/9/2008	7/14/2008	7/15/2008
33-01	MW-7A	7440-39-3	15	Barium	0.15	mg/l		1	7/9/2008	7/12/2008	7/14/2008
33-01	MW-7A	71-43-2	16	Benzene	0.0013	mg/l		1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-7A	7440-41-7	23	Beryllium	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/15/2008
33-01	MW-7A	74-97-5	28	Bromochloromethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-7A	75-27-4	29	Bromodichloromethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-7A	75-25-2	30	Bromoform	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-7A	74-83-9	136	Bromomethane	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-7A	7440-43-9	34	Cadmium	0.0005	mg/l	U	1	7/9/2008	7/14/2008	7/15/2008
33-01	MW-7A	75-15-0	35	Carbon disulfide	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-7A	56-23-5	36	Carbon tetrachloride	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-7A	108-90-7	39	Chlorobenzene	0.0016	mg/l		1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-7A	124-48-1	66	Chlorodibromomethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-7A	75-00-3	41	Chloroethane	0.0034	mg/l	J	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-7A	67-66-3	44	Chloroform	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-7A	74-87-3	137	Chloromethane	0.0025	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-7A	7440-47-3	51	Chromium	0.01	mg/l		1	7/9/2008	7/12/2008	7/14/2008
33-01	MW-7A	156-59-2	78	cis-1,2-Dichloroethene	0.001	mg/l	U	1	7/9/2008	7/15/2008	7/15/2008
33-01	MW-7A	10061-01-5	86	cis-1,3-Dichloropropene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-7A	7440-48-4	53	Cobalt	0.0049	mg/l	J	1	7/9/2008	7/12/2008	7/14/2008
33-01	MW-7A	7440-50-8	54	Copper	0.005	mg/l	U	5	7/9/2008	7/14/2008	7/15/2008
33-01	MW-7A	74-95-3	139	Dibromomethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-7A	100-41-4	110	Ethylbenzene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-7A	74-88-4	142	Iodomethane	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-7A	7439-92-1	131	Lead	0.0092	mg/l		1	7/9/2008	7/12/2008	7/14/2008
33-01	MW-7A	7439-97-6	132	Mercury	0.0002	mg/l	U	1	7/9/2008	7/14/2008	7/16/2008
33-01	MW-7A	75-09-2	140	Methylene Chloride	0.00037	mg/l	J	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-7A	7440-02-0	152	Nickel	0.035	mg/l		1	7/9/2008	7/12/2008	7/14/2008
33-01	MW-7A	7782-49-2	183	Selenium	0.005	mg/l	U	5	7/9/2008	7/14/2008	7/15/2008
33-01	MW-7A	7440-22-4	184	Silver	0.0079	mg/l	J	1	7/9/2008	7/12/2008	7/14/2008
33-01	MW-7A	100-42-5	186	Styrene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-7A	127-18-4	192	Tetrachloroethene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-7A	7440-28-0	194	Thallium	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/15/2008
33-01	MW-7A	108-88-3	196	Toluene	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-7A	156-60-5	79	trans-1,2-Dichloroethene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-7A	10061-02-6	87	trans-1,3-Dichloropropene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-7A	110-57-6	73	trans-1,4-Dichloro-2-butene	0.0025	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-7A	79-01-6	201	Trichloroethene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-7A	75-69-4	203	Trichlorofluoromethane	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-7A	7440-62-2	209	Vanadium	0.01	mg/l	U	1	7/9/2008	7/12/2008	7/14/2008
33-01	MW-7A	108-05-4	210	Vinyl acetate	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-7A	75-01-4	211	Vinyl chloride	0.00043	mg/l	J	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-7A	1330-20-7	346	Xylenes, Total	0.003	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-7A	7440-66-6	213	Zinc	0.05	mg/l	U	5	7/9/2008	7/14/2008	7/15/2008
33-01	MW-8A		318	Depth To Water	11.34	ft			7/9/2008		
33-01	MW-8A		411	Total Well Depth	23.00	ft			7/9/2008		
33-01	MW-8A		328	TOC Elevation	82.34	ft AMSL			7/9/2008		
33-01	MW-8A		319	Groundwater Elevation	71.00	ft AMSL			7/9/2008		
33-01	MW-9		318	Depth To Water	5.64	ft			7/9/2008		
33-01	MW-9		411	Total Well Depth	15.00	ft			7/9/2008		
33-01	MW-9		328	TOC Elevation	72.41	ft AMSL			7/9/2008		
33-01	MW-9		319	Groundwater Elevation	66.77	ft AMSL			7/9/2008		
33-01	MW-9		320	pH	7.97	standard units			7/9/2008		
33-01	MW-9		323	Specific Conductivity	0.280	mS/cm			7/9/2008		
33-01	MW-9		325	Temperature	21.00	ºC			7/9/2008		
33-01	MW-9		330	Turbidity	29.70	NTUs			7/9/2008		
33-01	MW-9	630-20-6	190	1,1,1,2-Tetrachloroethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-9	71-55-6	200	1,1,1-Trichloroethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-9	79-34-5	191	1,1,2,2-Tetrachloroethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-9	79-00-5	202	1,1,2-Trichloroethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-9	75-34-3	75	1,1-Dichloroethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-9	75-35-4	77	1,1-Dichloroethene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-9	96-18-4	206	1,2,3-Trichloropropane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-9	96-12-8	67	1,2-Dibromo-3-Chloropropane	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-9	106-93-4	68	1,2-Dibromoethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-9	95-50-1	69	1,2-Dichlorobenzene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-9	107-06-2	76	1,2-Dichloroethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-9	78-87-5	82	1,2-Dichloropropane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-9	106-46-7	71	1,4-Dichlorobenzene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-9	78-93-3	141	2-Butanone (MEK)	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-9	591-78-6	124	2-Hexanone	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-9	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-9	67-64-1	3	Acetone	0.05	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-9	107-13-1	8	Acrylonitrile	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-9	7440-36-0	13	Antimony	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/15/2008
33-01	MW-9	7440-38-2	14	Arsenic	0.00028	mg/l	J	1	7/9/2008	7/14/2008	7/15/2008
33-01	MW-9	7440-39-3	15	Barium	0.15	mg/l		1	7/9/2008	7/12/2008	7/14/2008
33-01	MW-9	71-43-2	16	Benzene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-9	7440-41-7	23	Beryllium	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/15/2008
33-01	MW-9	74-97-5	28	Bromochloromethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-9	75-27-4	29	Bromodichloromethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-9	75-25-2	30	Bromoform	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-9	74-83-9	136	Bromomethane	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-9	7440-43-9	34	Cadmium	0.0005	mg/l	U	1	7/9/2008	7/14/2008	7/15/2008
33-01	MW-9	75-15-0	35	Carbon disulfide	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-9	56-23-5	36	Carbon tetrachloride	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-9	108-90-7	39	Chlorobenzene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-9	124-48-1	66	Chlorodibromomethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-9	75-00-3	41	Chloroethane	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-9	67-66-3	44	Chloroform	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-9	74-87-3	137	Chloromethane	0.0025	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-9	7440-47-3	51	Chromium	0.01	mg/l	U	1	7/9/2008	7/12/2008	7/14/2008
33-01	MW-9	156-59-2	78	cis-1,2-Dichloroethene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-9	10061-01-5	86	cis-1,3-Dichloropropene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-9	7440-48-4	53	Cobalt	0.01	mg/l	U	1	7/9/2008	7/12/2008	7/14/2008
33-01	MW-9	7440-50-8	54	Copper	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/15/2008
33-01	MW-9	74-95-3	139	Dibromomethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-9	100-41-4	110	Ethylbenzene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008

Table 1
Groundwater Elevation Data, Field Parameters, and
Laboratory Analysis Summary
Edgecombe County Landfill
July 9, 2008
S&ME Project No. 1054-07-238A

Facility Permit	Well ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifier	Dilution Factor	Collection Date	Extraction Date	Analysis Date
33-01	MW-9	74-88-4	142	Iodomethane	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-9	7439-92-1	131	Lead	0.005	mg/l	U	1	7/9/2008	7/12/2008	7/14/2008
33-01	MW-9	7439-97-6	132	Mercury	0.0002	mg/l	U	1	7/9/2008	7/14/2008	7/16/2008
33-01	MW-9	75-09-2	140	Methylene Chloride	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-9	7440-02-0	152	Nickel	0.02	mg/l	U	1	7/9/2008	7/12/2008	7/14/2008
33-01	MW-9	7782-49-2	183	Selenium	0.00034	mg/l	J	1	7/9/2008	7/14/2008	7/15/2008
33-01	MW-9	7440-22-4	184	Silver	0.01	mg/l	U	1	7/9/2008	7/12/2008	7/14/2008
33-01	MW-9	100-42-5	186	Styrene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-9	127-18-4	192	Tetrachloroethene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-9	7440-28-0	194	Thallium	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/15/2008
33-01	MW-9	108-88-3	196	Toluene	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-9	156-60-5	79	trans-1,2-Dichloroethene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-9	10061-02-6	87	trans-1,3-Dichloropropene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-9	110-57-6	73	trans-1,4-Dichloro-2-butene	0.0025	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-9	79-01-6	201	Trichloroethene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-9	75-69-4	203	Trichlorofluoromethane	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-9	7440-62-2	209	Vanadium	0.01	mg/l	U	1	7/9/2008	7/12/2008	7/14/2008
33-01	MW-9	108-05-4	210	Vinyl acetate	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-9	75-01-4	211	Vinyl chloride	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-9	1330-20-7	346	Xylenes, Total	0.003	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	MW-9	7440-66-6	213	Zinc	0.058	mg/l		1	7/9/2008	7/14/2008	7/15/2008
33-01	MW-10		318	Depth To Water	3.90	ft			7/9/2008		
33-01	MW-10		411	Total Well Depth	12.00	ft			7/9/2008		
33-01	MW-10		328	TOC Elevation	75.78	ft AMSL			7/9/2008		
33-01	MW-10		319	Groundwater Elevation	71.88	ft AMSL			7/9/2008		
33-01	UPSTREAM		320	pH	6.84	standard units			7/9/2008		
33-01	UPSTREAM		323	Specific Conductivity	0.159	mS/cm			7/9/2008		
33-01	UPSTREAM		325	Temperature	24.90	ºC			7/9/2008		
33-01	UPSTREAM		330	Turbidity	16.80	NTUs			7/9/2008		
33-01	UPSTREAM	630-20-6	190	1,1,1,2-Tetrachloroethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	UPSTREAM	71-55-6	200	1,1,1-Trichloroethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	UPSTREAM	79-34-5	191	1,1,2,2-Tetrachloroethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	UPSTREAM	79-00-5	202	1,1,2-Trichloroethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	UPSTREAM	75-34-3	75	1,1-Dichloroethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	UPSTREAM	75-35-4	77	1,1-Dichloroethene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	UPSTREAM	96-18-4	206	1,2,3-Trichloropropane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	UPSTREAM	96-12-8	67	1,2-Dibromo-3-Chloropropane	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	UPSTREAM	106-93-4	68	1,2-Dibromoethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	UPSTREAM	95-50-1	69	1,2-Dichlorobenzene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	UPSTREAM	107-06-2	76	1,2-Dichloroethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	UPSTREAM	78-87-5	82	1,2-Dichloropropane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	UPSTREAM	106-46-7	71	1,4-Dichlorobenzene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	UPSTREAM	78-93-3	141	2-Butanone (MEK)	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	UPSTREAM	591-78-6	124	2-Hexanone	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	UPSTREAM	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	UPSTREAM	67-64-1	3	Acetone	0.05	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	UPSTREAM	107-13-1	8	Acrylonitrile	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	UPSTREAM	7440-36-0	13	Antimony	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/15/2008
33-01	UPSTREAM	7440-38-2	14	Arsenic	0.0012	mg/l		1	7/9/2008	7/14/2008	7/15/2008
33-01	UPSTREAM	7440-39-3	15	Barium	0.079	mg/l		1	7/9/2008	7/12/2008	7/14/2008
33-01	UPSTREAM	71-43-2	16	Benzene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	UPSTREAM	7440-41-7	23	Beryllium	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/15/2008
33-01	UPSTREAM	74-97-5	28	Bromochloromethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	UPSTREAM	75-27-4	29	Bromodichloromethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	UPSTREAM	75-25-2	30	Bromoform	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	UPSTREAM	74-83-9	136	Bromomethane	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	UPSTREAM	7440-43-9	34	Cadmium	0.0005	mg/l	U	1	7/9/2008	7/14/2008	7/15/2008
33-01	UPSTREAM	75-15-0	35	Carbon disulfide	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	UPSTREAM	56-23-5	36	Carbon tetrachloride	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	UPSTREAM	108-90-7	39	Chlorobenzene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	UPSTREAM	124-48-1	66	Chlorodibromomethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	UPSTREAM	75-00-3	41	Chloroethane	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	UPSTREAM	67-66-3	44	Chloroform	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	UPSTREAM	74-87-3	137	Chloromethane	0.0025	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	UPSTREAM	7440-47-3	51	Chromium	0.01	mg/l	U	1	7/9/2008	7/12/2008	7/14/2008
33-01	UPSTREAM	156-59-2	78	cis-1,2-Dichloroethene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	UPSTREAM	10061-01-5	86	cis-1,3-Dichloropropene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	UPSTREAM	7440-48-4	53	Cobalt	0.01	mg/l	U	1	7/9/2008	7/12/2008	7/14/2008
33-01	UPSTREAM	7440-50-8	54	Copper	0.0027	mg/l		1	7/9/2008	7/14/2008	7/15/2008
33-01	UPSTREAM	74-95-3	139	Dibromomethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	UPSTREAM	100-41-4	110	Ethylbenzene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	UPSTREAM	74-88-4	142	Iodomethane	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	UPSTREAM	7439-92-1	131	Lead	0.005	mg/l	U	1	7/9/2008	7/12/2008	7/14/2008
33-01	UPSTREAM	7439-97-6	132	Mercury	0.0002	mg/l	U	1	7/9/2008	7/16/2008	7/17/2008
33-01	UPSTREAM	75-09-2	140	Methylene Chloride	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	UPSTREAM	7440-02-0	152	Nickel	0.02	mg/l	U	1	7/9/2008	7/12/2008	7/14/2008
33-01	UPSTREAM	7782-49-2	183	Selenium	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/15/2008
33-01	UPSTREAM	7440-22-4	184	Silver	0.01	mg/l	U	1	7/9/2008	7/12/2008	7/14/2008
33-01	UPSTREAM	100-42-5	186	Styrene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	UPSTREAM	127-18-4	192	Tetrachloroethene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	UPSTREAM	7440-28-0	194	Thallium	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/15/2008
33-01	UPSTREAM	108-88-3	196	Toluene	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	UPSTREAM	156-60-5	79	trans-1,2-Dichloroethene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	UPSTREAM	10061-02-6	87	trans-1,3-Dichloropropene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	UPSTREAM	110-57-6	73	trans-1,4-Dichloro-2-butene	0.0025	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	UPSTREAM	79-01-6	201	Trichloroethene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	UPSTREAM	75-69-4	203	Trichlorofluoromethane	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	UPSTREAM	7440-62-2	209	Vanadium	0.003	mg/l	J	1	7/9/2008	7/12/2008	7/14/2008
33-01	UPSTREAM	108-05-4	210	Vinyl acetate	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	UPSTREAM	75-01-4	211	Vinyl chloride	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	UPSTREAM	1330-20-7	346	Xylenes, Total	0.003	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	UPSTREAM	7440-66-6	213	Zinc	0.036	mg/l		1	7/9/2008	7/14/2008	7/15/2008
33-01	DOWNSTREAM		320	pH	6.49	standard units			7/9/2008		
33-01	DOWNSTREAM		323	Specific Conductivity	0.192	mS/cm			7/9/2008		
33-01	DOWNSTREAM		325	Temperature	23.40	ºC			7/9/2008		
33-01	DOWNSTREAM		330	Turbidity	34.00	NTUs			7/9/2008		
33-01	DOWNSTREAM	630-20-6	190	1,1,1,2-Tetrachloroethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	DOWNSTREAM	71-55-6	200	1,1,1-Trichloroethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	DOWNSTREAM	79-34-5	191	1,1,2,2-Tetrachloroethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	DOWNSTREAM	79-00-5	202	1,1,2-Trichloroethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008

Table 1
Groundwater Elevation Data, Field Parameters, and
Laboratory Analysis Summary
Edgecombe County Landfill
July 9, 2008
S&ME Project No. 1054-07-238A

Facility Permit	Well ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifier	Dilution Factor	Collection Date	Extraction Date	Analysis Date
33-01	DOWNSTREAM	75-34-3	75	1,1-Dichloroethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	DOWNSTREAM	75-35-4	77	1,1-Dichloroethene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	DOWNSTREAM	96-18-4	206	1,2,3-Trichloropropane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	DOWNSTREAM	96-12-8	67	1,2-Dibromo-3-Chloropropane	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	DOWNSTREAM	106-93-4	68	1,2-Dibromoethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	DOWNSTREAM	95-50-1	69	1,2-Dichlorobenzene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	DOWNSTREAM	107-06-2	76	1,2-Dichloroethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	DOWNSTREAM	78-87-5	82	1,2-Dichloropropane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	DOWNSTREAM	106-46-7	71	1,4-Dichlorobenzene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	DOWNSTREAM	78-93-3	141	2-Butanone (MEK)	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	DOWNSTREAM	591-78-6	124	2-Hexanone	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	DOWNSTREAM	108-10-1	147	4-Methyl-2-pentanone (MIBK)	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	DOWNSTREAM	67-64-1	3	Acetone	0.05	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	DOWNSTREAM	107-13-1	8	Acrylonitrile	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	DOWNSTREAM	7440-36-0	13	Antimony	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/15/2008
33-01	DOWNSTREAM	7440-38-2	14	Arsenic	0.002	mg/l		1	7/9/2008	7/14/2008	7/15/2008
33-01	DOWNSTREAM	7440-39-3	15	Barium	0.088	mg/l		1	7/9/2008	7/12/2008	7/14/2008
33-01	DOWNSTREAM	71-43-2	16	Benzene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	DOWNSTREAM	7440-41-7	23	Beryllium	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/15/2008
33-01	DOWNSTREAM	74-97-5	28	Bromochloromethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	DOWNSTREAM	75-27-4	29	Bromodichloromethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	DOWNSTREAM	75-25-2	30	Bromoform	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	DOWNSTREAM	74-83-9	136	Bromomethane	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	DOWNSTREAM	7440-43-9	34	Cadmium	0.00016	mg/l	J	1	7/9/2008	7/14/2008	7/15/2008
33-01	DOWNSTREAM	75-15-0	35	Carbon disulfide	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	DOWNSTREAM	56-23-5	36	Carbon tetrachloride	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	DOWNSTREAM	108-90-7	39	Chlorobenzene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	DOWNSTREAM	124-48-1	66	Chlorodibromomethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	DOWNSTREAM	75-00-3	41	Chloroethane	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	DOWNSTREAM	67-66-3	44	Chloroform	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	DOWNSTREAM	74-87-3	137	Chloromethane	0.0025	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	DOWNSTREAM	7440-47-3	51	Chromium	0.0025	mg/l	J	1	7/9/2008	7/12/2008	7/14/2008
33-01	DOWNSTREAM	156-59-2	78	cis-1,2-Dichloroethene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	DOWNSTREAM	10061-01-5	86	cis-1,3-Dichloropropene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	DOWNSTREAM	7440-48-4	53	Cobalt	0.0036	mg/l	J	1	7/9/2008	7/12/2008	7/14/2008
33-01	DOWNSTREAM	7440-50-8	54	Copper	0.0024	mg/l		1	7/9/2008	7/14/2008	7/15/2008
33-01	DOWNSTREAM	74-95-3	139	Dibromomethane	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	DOWNSTREAM	100-41-4	110	Ethylbenzene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	DOWNSTREAM	74-88-4	142	Iodomethane	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	DOWNSTREAM	7439-92-1	131	Lead	0.005	mg/l	U	1	7/9/2008	7/12/2008	7/14/2008
33-01	DOWNSTREAM	7439-97-6	132	Mercury	0.0002	mg/l	U	1	7/9/2008	7/16/2008	7/17/2008
33-01	DOWNSTREAM	75-09-2	140	Methylene Chloride	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	DOWNSTREAM	7440-02-0	152	Nickel	0.02	mg/l	U	1	7/9/2008	7/12/2008	7/14/2008
33-01	DOWNSTREAM	7782-49-2	183	Selenium	0.00071	mg/l	J	1	7/9/2008	7/14/2008	7/15/2008
33-01	DOWNSTREAM	7440-22-4	184	Silver	0.01	mg/l	U	1	7/9/2008	7/12/2008	7/14/2008
33-01	DOWNSTREAM	100-42-5	186	Styrene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	DOWNSTREAM	127-18-4	192	Tetrachloroethene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	DOWNSTREAM	7440-28-0	194	Thallium	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/15/2008
33-01	DOWNSTREAM	108-88-3	196	Toluene	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	DOWNSTREAM	156-60-5	79	trans-1,2-Dichloroethene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	DOWNSTREAM	10061-02-6	87	trans-1,3-Dichloropropene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	DOWNSTREAM	110-57-6	73	trans-1,4-Dichloro-2-butene	0.0025	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	DOWNSTREAM	79-01-6	201	Trichloroethene	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	DOWNSTREAM	75-69-4	203	Trichlorofluoromethane	0.005	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	DOWNSTREAM	7440-62-2	209	Vanadium	0.0031	mg/l	J	1	7/9/2008	7/12/2008	7/14/2008
33-01	DOWNSTREAM	108-05-4	210	Vinyl acetate	0.01	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	DOWNSTREAM	75-01-4	211	Vinyl chloride	0.001	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	DOWNSTREAM	1330-20-7	346	Xylenes, Total	0.003	mg/l	U	1	7/9/2008	7/14/2008	7/14/2008
33-01	DOWNSTREAM	7440-66-6	213	Zinc	0.022	mg/l		1	7/9/2008	7/14/2008	7/15/2008

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
°C = Degrees Celcius
NTUs = Nephelometric Turbidity Units
ug/L = micrograms per liter
mg/L = milligrams per liter
Blank entries indicate not applicable.

Table 2
Groundwater/Surface Water Quality Summary
Edgecombe County Landfill
July 9, 2008 Sampling Event
S&ME Project No. 1054-07-238A

APPENDIX I VOCs EPA METHOD 8260	UNITS	2L STANDARD	BACKGROUND MONITOR WELLS			COMPLIANCE MONITOR WELLS				QUALITY CONTROL		SAMPLING LOCATION		SWSL
			MW-3B	MW-4	MW-9	MW-1A	MW-5	MW-6	MW-7A	Duplicate (MW-7A)	EQUIP BLANK	UPSTREAM	DOWNSTREAM	
BENZENE	µg/L	1	<0.29	<0.29	<0.29	<0.29	**7.1**	<0.29	**1.3**	**1.4**	<0.29	<8.9	<8.9	1
CHLOROBENZENE	µg/L	50	<0.26	<0.26	<0.26	<0.26	**19**	<0.26	**1.6**	**1.9**	<0.26	<0.26	<0.26	3
CHLOROETHANE	µg/L	2,800	<0.86	<0.86	<0.86	<0.86	**3.1J**	<0.86	**3.4J**	**2.5J**	<0.86	<0.86	<0.86	10
1,2-DICHLOROBENZENE	µg/L	24	<0.29	<0.29	<0.29	<0.29	**1.4**	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	5
1,4-DICHLOROBENZENE	µg/L	1.4	<0.30	<0.30	<0.30	<0.30	**9.7**	<0.30	**0.58J**	**0.62J**	<0.30	<0.30	<0.30	1
1,1-DICHLOROETHANE	µg/L	70	<0.31	<0.31	<0.31	**0.4J**	**20**	**0.4J**	<0.31	<0.31	<0.31	<0.31	<0.31	5
1,2-DICHLOROETHANE	µg/L	0.38	<0.27	<0.27	<0.27	<0.27	**1.5**	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	1
1,1-DICHLOROETHENE	µg/L	7	<0.50	<0.50	<0.50	<0.50	**1.7**	<0.50	<0.50	<0.50	<0.50	<0.30	<0.50	5
cis-1,2-DICHLOROETHENE	µg/L	70	<0.38	<0.38	<0.38	**3.8**	**830**	<0.38	<0.38	**0.48J**	<0.38	<0.38	<0.38	5
trans-1,2-DICHLOROETHENE	µg/L	100	<0.30	<0.30	<0.30	<0.30	**5.3**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	5
1,2-DICHLOROPROPANE	µg/L	0.51	<0.52	<0.52	<0.52	<0.52	**2.1**	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	1
METHYLENE CHLORIDE	µg/L	4.6	<0.30	<0.30	<0.30	<0.30	**0.42J**	<0.30	**0.37J**	<0.30	**0.54J**	<0.30	<0.30	1
TETRACHLOROETHENE	µg/L	0.7	<0.29	<0.29	<0.29	<0.29	**0.5J**	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	1
TOLUENE	µg/L	1,000	<0.27	<0.27	<0.27	<0.27	**1.3J**	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	1
TRICHLOROETHENE	µg/L	2.8	<0.37	<0.37	<0.37	<0.37	**2.9**	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	1
VINYL CHLORIDE	µg/L	0.015	<0.27	<0.27	<0.27	<0.27	**39**	<0.27	**0.43J**	**0.46J**	<0.27	<0.27	<0.27	1

APP. I INORGANIC COMPOUNDS EPA METHOD 6010/6020	UNITS	2L STANDARD	BACKGROUND MONITOR WELLS			COMPLIANCE MONITOR WELLS				QUALITY CONTROL		SAMPLING LOCATION		SWSL
			MW-3B	MW-4	MW-9	MW-1A	MW-5	MW-6	MW-7A	Duplicate (MW-7A)	EQUIP BLANK	UPSTREAM	DOWNSTREAM	
ANTIMONY	mg/L	0.0014*	<0.00029	**0.00039J**	<0.00029	<0.00029	<0.00029	<0.00029	<0.00029	<0.00029	<0.00029	<0.00029	<0.00029	0.006
ARSENIC	mg/L	0.05	**0.0052**	**0.016**	**0.00028J**	**0.0015**	**0.022**	**0.0014**	**0.023**	**0.025**	<0.00022	**0.0012**	**0.002**	0.01
BARIUM	mg/L	2	**0.15**	**0.062**	**0.15**	**0.077**	**0.18**	**0.14**	**0.15**	**0.17**	<0.0011	**0.079**	**0.088**	0.1
BERYLLIUM	mg/L	0.004*	**0.00097J**	<0.00028	<0.00028	<0.00028	<0.00028	<0.00028	<0.00028	<0.00028	<0.00028	<0.00028	<0.00028	0.001
CADMIUM	mg/L	0.00175	**0.00086**	<0.00015	<0.00015	**0.00028J**	<0.00015	**0.00033J**	<0.00015	<0.00015	<0.00015	<0.00015	**0.00016J**	0.001
CHROMIUM	mg/L	0.05	<0.002	**0.0022J**	<0.002	<0.002	**0.0055J**	<0.002	**0.01**	**0.01**	<0.0020	<0.0020	**0.0025J**	0.01
COBALT	mg/L	0.07*	**0.028**	**0.0016J**	<0.0011	**0.0032J**	**0.15**	**0.0033J**	**0.0049J**	**0.0049J**	<0.0011	<0.0011	**0.0036J**	0.01
COPPER	mg/L	1	**0.00073J**	**0.00049J**	<0.00048	**0.0036**	<0.0024	**0.0019**	<0.0024	<0.0024	**0.0024**	**0.0027**	**0.0024**	0.01
LEAD	mg/L	0.015	<0.0019	<0.0019	<0.0019	<0.0019	**0.0081**	**0.0025J**	**0.0092**	**0.01**	**0.0026J**	<0.0019	<0.0019	0.01
NICKEL	mg/L	0.1	**0.018J**	<0.0098	<0.0098	<0.0098	**0.051**	<0.0098	**0.035**	**0.027**	<0.0098	<0.0098	<0.0098	0.05
SELENIUM	mg/L	0.05	**0.00091J**	**0.0012**	**0.00034J**	**0.00096J**	<0.0016	**0.00079J**	<0.0016	<0.0016	<0.00032	<0.00032	**0.00071J**	0.01
SILVER	mg/L	0.0175	<0.0032	<0.0032	<0.0032	<0.0032	**0.0094J**	<0.0032	**0.0079J**	**0.0068J**	<0.0032	<0.0032	<0.0032	0.01
VANADIUM	mg/L	0.0035*	**0.0082J**	**0.005J**	<0.0019	**0.0025J**	<0.0019	<0.0019	<0.0019	<0.0019	<0.0019	**0.003J**	**0.0031J**	0.025
ZINC	mg/L	1.05	**0.047**	<0.0033	**0.058**	**0.018**	**0.052**	**0.020**	<0.016	<0.0016	**0.015**	**0.036**	**0.022**	0.01

NOTES:
Samples were collected on July 9, 2008 and analyzed by Environmental Science Corp Inc. (ESC). Detection limits are shown on laboratory reports.
Values which are **BOLD** indicate levels above laboratory detection limits.
Values which are **BOLD** and shaded indicate levels above their respective NCDENR 2L or GWPST.
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).
J = Analyte detected, but below the laboratory reporting limit therefore the result is an estimated concentration.
µg/L = Micrograms Per Liter
mg/L = Milligrams Per Liter
VOCs = Volatile Organic Compounds
Duplicate sample collected from monitor well MW-7A.
Compounds not shown were not detected during this sampling event

APPENDIX I

REPORT OF LABORATORY ANALYSES

S&ME Inc. - Raleigh NC

3201 Spring Forest Road
Raleigh,NC 27616

Alternate billing information:

Chain of Custody
Page 1 of 2

Prepared by:
ENVIRONMENTAL SCIENCE CORP.
12065 Lebanon Road
Mt. Juliet, TN 37122
Phone (800) 767-5859
FAX (615) 758-5859

Report to: Michelle Logut / Jerry Paul
Email: mlogut@smeinc.com,jpaul@

Project Description: EDGECOMBE COUNTY LANDFILL
City/State Collected: TARBORO, NC

Phone: (919) 872-2660
FAX: (919) 790-9827
Client Project #: 1054-07-238
Lab Project #: SMERLNC-NCLF

Collected by (print): MICHELLE LOGUT
Site/Facility ID#:
P.O.#:

Collected by (signature): Michelle J. Logut
Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day 100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed
Email? __No __Yes
FAX? __No __Yes

Acctnum: SMERLNC (lab use only)
Template/Prelogin: T51896 P249941
Cooler #: 7/2 TD
Shipped Via: FedEx Ground

Analysis/Container/Preservative

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	AP1 Metals 500mlHDPE-HNO3	V8260AP1 40mlAmb-HCl	V8260AP1 TB 40mlAmb-HCl-Blk					Remarks/Contaminant	Sample # (lab only)
MW-1A	GRAB	GW	–	7/9/08	11:10	3	X	X							L354659-01
~~MW-3A~~ MW-3B	↓	GW	–	↓	16:50	3	X	X							-02
MW-4	↓	GW	–	↓	16:20	3	X	X							-03
MW-5	↓	GW	–	↓	13:30	3	X	X							-04
MW-6	↓	GW	–	↓	13:55	3	X	X							-05
MW-7A	↓	GW	–	↓	14:35	3	X	X							-06
MW-9	↓	GW	–	↓	15:45	3	X	X							-07
EQB	↓	GW	–	↓	17:10	3	X	X							-08
DUP	↓	GW	–	↓	—	3	X	X							-09

*Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☒ SUA	Condition: (lab use only)
Michelle J. Logut	7/10/08	08:45	Brent Nadle 1055		
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 24° Bottles Received: 34	COC Seal Intact: ___Y ___N Y NA
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 7/11/08 Time: 0745	pH Checked: <2 NCF:

S&ME Inc. - Raleigh NC

3201 Spring Forest Road
Raleigh,NC 27616

Alternate billing information:

Analysis/Container/Preservative

Chain of Custody
Page 2 of 2

Prepared by:
ENVIRONMENTAL SCIENCE CORP.
12065 Lebanon Road
Mt. Juliet, TN 37122
Phone (800) 767-5859
FAX (615) 758-5859

Report to: Michelle Logut / Jerry Paul

Email: mlogut@smeinc.com,jpaul@

Project Description: EDGECOMBE COUNTY LANDFILL

City/State Collected: TARBORO, NC

Phone: (919) 872-2660
FAX: (919) 790-9827

Client Project #: 1054-07-238

Lab Project #: SMERLNC-NCLF

Collected by (print): MICHELLE LOGUT

Site/Facility ID#:

P.O.#:

Collected by (signature): Michelle J. Logut

Immediately Packed on Ice N ___ Y X

Rush? (Lab MUST Be Notified)
___ Same Day 200%
___ Next Day.....100%
___ Two Day 50%
___ Three Day 25%

Date Results Needed

Email? __No __Yes
FAX? __No __Yes

Acctnum: SMERLNC (lab use only)
Template/Prelogin: T51896/ P249941
Cooler #: 7/2D
Shipped Via: FedEx Ground

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	AP1 Metals 500mlHDPE-HNO3	V8260AP1 40mlAmb-HCl	V8260AP1 TB 40mlAmb-HCl-Blk					Remarks/Contaminant	Sample # (lab only)
UPSTREAM	GRAB	GW	—	7/9/08	15:00	3	X	X							L354655-10
DOWNSTREAM	↓	GW	—	↓	11:25	3	X	X							-11
TRIP BLANK	—	GW	—	—	—	1			X						-12

*Matrix: **SS** - Soil **GW** - Groundwater **WW** - WasteWater **DW** - Drinking Water **OT** - Other_____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☑ SLA	Condition: (lab use only)
Michelle J. Logut	7/10/08	08:45	Brent Bailey 1055		
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 24° Bottles Received: 34	COC Seal Intact: ___ Y ___ N X NA
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 7/11/08 Time: 0745	pH Checked: NCF:

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Tax I.D. 62-0814289

Est. 1970

Michelle Logut / Jerry Paul
S&ME Inc. - Raleigh NC
3201 Spring Forest Road

Raleigh, NC 27616

Report Summary

Thursday July 17, 2008

Report Number: L354659
Samples Received: 07/11/08
Client Project: 1054-07-238

Description: Edgecombe Landfill

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Tom Mellette, ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 09227, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140
NJ - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910

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REPORT OF ANALYSIS

Michelle Logut / Jerry Paul
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

July 17, 2008

ESC Sample # : L354659-01

Date Received : July 11, 2008
Description : Edgecombe Landfill

Site ID :

Sample ID : MW-1A

Project # : 1054-07-238

Collected By : Michelle Logut
Collection Date : 07/09/08 11:10

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Antimony	U	0.29	1.0	ug/l	6020	07/15/08	1	6
Arsenic	1.5	0.22	1.0	ug/l	6020	07/15/08	1	10
Beryllium	U	0.28	1.0	ug/l	6020	07/15/08	1	1
Cadmium	0.28	0.15	0.50	ug/l	6020	07/15/08	1	1
Copper	3.6	0.48	1.0	ug/l	6020	07/15/08	1	10
Selenium	0.96	0.32	1.0	ug/l	6020	07/15/08	1	10
Thallium	U	0.22	1.0	ug/l	6020	07/15/08	1	5.5
Zinc	18.	3.3	10.	ug/l	6020	07/15/08	1	10
Mercury	U	0.044	0.20	ug/l	7470A	07/16/08	1	.2
Barium	77.	1.1	5.0	ug/l	6010B	07/13/08	1	100
Chromium	U	2.0	10.	ug/l	6010B	07/13/08	1	10
Cobalt	3.2	1.1	10.	ug/l	6010B	07/13/08	1	10
Lead	U	1.9	5.0	ug/l	6010B	07/13/08	1	5
Nickel	U	9.8	20.	ug/l	6010B	07/13/08	1	50
Silver	U	3.2	10.	ug/l	6010B	07/13/08	1	10
Vanadium	2.5	1.9	10.	ug/l	6010B	07/13/08	1	25
Volatile Organics								
Acetone	U	8.9	50.	ug/l	8260B	07/14/08	1	100
Acrylonitrile	U	1.7	10.	ug/l	8260B	07/14/08	1	200
Benzene	U	0.29	1.0	ug/l	8260B	07/14/08	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	07/14/08	1	3
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	07/14/08	1	1
Bromoform	U	0.51	1.0	ug/l	8260B	07/14/08	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	07/14/08	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	07/14/08	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	07/14/08	1	1
Chlorobenzene	U	0.26	1.0	ug/l	8260B	07/14/08	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	07/14/08	1	1
Chloroethane	U	0.86	5.0	ug/l	8260B	07/14/08	1	10
Chloroform	U	0.33	5.0	ug/l	8260B	07/14/08	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	07/14/08	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	07/14/08	1	1
1,2-Dichlorobenzene	U	0.29	1.0	ug/l	8260B	07/14/08	1	5
1,4-Dichlorobenzene	U	0.30	1.0	ug/l	8260B	07/14/08	1	1
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	07/14/08	1	100
1,1-Dichloroethane	0.40	0.31	1.0	ug/l	8260B	07/14/08	1	5
1,2-Dichloroethane	U	0.27	1.0	ug/l	8260B	07/14/08	1	1
1,1-Dichloroethene	U	0.50	1.0	ug/l	8260B	07/14/08	1	5
cis-1,2-Dichloroethene	3.8	0.38	1.0	ug/l	8260B	07/14/08	1	5

U = ND (Not Detected)
SWSL = Solid Waste Section Limit
MDL = Minimum Detection Limit = LOD = SQL(TRRP)
RDL = Reported Detection Limit = LOQ = PQL = EQL = MQL(TRRP)
Note:
The reported analytical results relate only to the sample submitted.
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Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Michelle Logut / Jerry Paul
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

July 17, 2008

ESC Sample # : L354659-01

Date Received : July 11, 2008
Description : Edgecombe Landfill

Site ID :

Sample ID : MW-1A

Project # : 1054-07-238

Collected By : Michelle Logut
Collection Date : 07/09/08 11:10

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l	8260B	07/14/08	1	5
1,2-Dichloropropane	U	0.52	1.0	ug/l	8260B	07/14/08	1	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	07/14/08	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	07/14/08	1	1
Ethylbenzene	U	0.22	1.0	ug/l	8260B	07/14/08	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	07/14/08	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	07/14/08	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	07/14/08	1	10
Methylene Chloride	U	0.30	5.0	ug/l	8260B	07/14/08	1	1
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	07/14/08	1	100
Styrene	U	0.38	1.0	ug/l	8260B	07/14/08	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	07/14/08	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	07/14/08	1	1
Tetrachloroethene	U	0.29	1.0	ug/l	8260B	07/14/08	1	1
Toluene	U	0.27	5.0	ug/l	8260B	07/14/08	1	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	07/14/08	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	07/14/08	1	5
Trichloroethene	U	0.37	1.0	ug/l	8260B	07/14/08	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	07/14/08	1	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	07/14/08	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	07/14/08	1	50
Vinyl chloride	U	0.27	1.0	ug/l	8260B	07/14/08	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	07/14/08	1	4
1,2-Dibromoethane	U	0.48	1.0	ug/l	8260B	07/14/08	1	1
1,2-Dibromo-3-Chloropropane	U	0.48	5.0	ug/l	8260B	07/14/08	1	1
Surrogate Recovery								
Toluene-d8	101.			% Rec.	8260B	07/14/08	1	
Dibromofluoromethane	105.			% Rec.	8260B	07/14/08	1	
4-Bromofluorobenzene	88.5			% Rec.	8260B	07/14/08	1	

U = ND (Not Detected)
SWSL = Solid Waste Section Limit
MDL = Minimum Detection Limit = LOD = SQL(TRRP)
RDL = Reported Detection Limit = LOQ = PQL = EQL = MQL(TRRP)
Note:
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REPORT OF ANALYSIS

Michelle Logut / Jerry Paul
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

July 17, 2008

ESC Sample # : L354659-02

Date Received : July 11, 2008
Description : Edgecombe Landfill

Site ID :

Sample ID : MW-3B

Project # : 1054-07-238

Collected By : Michelle Logut
Collection Date : 07/09/08 16:50

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Antimony	U	0.29	1.0	ug/l	6020	07/15/08	1	6
Arsenic	5.2	0.22	1.0	ug/l	6020	07/15/08	1	10
Beryllium	0.97	0.28	1.0	ug/l	6020	07/15/08	1	1
Cadmium	0.86	0.15	0.50	ug/l	6020	07/15/08	1	1
Copper	0.73	0.48	1.0	ug/l	6020	07/15/08	1	10
Selenium	0.91	0.32	1.0	ug/l	6020	07/15/08	1	10
Thallium	U	0.22	1.0	ug/l	6020	07/15/08	1	5.5
Zinc	47.	3.3	10.	ug/l	6020	07/15/08	1	10
Mercury	U	0.044	0.20	ug/l	7470A	07/16/08	1	.2
Barium	150	1.1	5.0	ug/l	6010B	07/13/08	1	100
Chromium	U	2.0	10.	ug/l	6010B	07/13/08	1	10
Cobalt	28.	1.1	10.	ug/l	6010B	07/13/08	1	10
Lead	U	1.9	5.0	ug/l	6010B	07/13/08	1	5
Nickel	18.	9.8	20.	ug/l	6010B	07/13/08	1	50
Silver	U	3.2	10.	ug/l	6010B	07/13/08	1	10
Vanadium	8.2	1.9	10.	ug/l	6010B	07/13/08	1	25
Volatile Organics								
Acetone	U	8.9	50.	ug/l	8260B	07/14/08	1	100
Acrylonitrile	U	1.7	10.	ug/l	8260B	07/14/08	1	200
Benzene	U	0.29	1.0	ug/l	8260B	07/14/08	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	07/14/08	1	3
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	07/14/08	1	1
Bromoform	U	0.51	1.0	ug/l	8260B	07/14/08	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	07/14/08	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	07/14/08	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	07/14/08	1	1
Chlorobenzene	U	0.26	1.0	ug/l	8260B	07/14/08	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	07/14/08	1	1
Chloroethane	U	0.86	5.0	ug/l	8260B	07/14/08	1	10
Chloroform	U	0.33	5.0	ug/l	8260B	07/14/08	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	07/14/08	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	07/14/08	1	1
1,2-Dichlorobenzene	U	0.29	1.0	ug/l	8260B	07/14/08	1	5
1,4-Dichlorobenzene	U	0.30	1.0	ug/l	8260B	07/14/08	1	1
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	07/14/08	1	100
1,1-Dichloroethane	U	0.31	1.0	ug/l	8260B	07/14/08	1	5
1,2-Dichloroethane	U	0.27	1.0	ug/l	8260B	07/14/08	1	1
1,1-Dichloroethene	U	0.50	1.0	ug/l	8260B	07/14/08	1	5
cis-1,2-Dichloroethene	U	0.38	1.0	ug/l	8260B	07/14/08	1	5

U = ND (Not Detected)
SWSL = Solid Waste Section Limit
MDL = Minimum Detection Limit = LOD = SQL(TRRP)
RDL = Reported Detection Limit = LOQ = PQL = EQL = MQL(TRRP)
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REPORT OF ANALYSIS

Michelle Logut / Jerry Paul
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

July 17, 2008

ESC Sample # : L354659-02

Date Received : July 11, 2008
Description : Edgecombe Landfill

Site ID :

Sample ID : MW-3B

Project # : 1054-07-238

Collected By : Michelle Logut
Collection Date : 07/09/08 16:50

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l	8260B	07/14/08	1	5
1,2-Dichloropropane	U	0.52	1.0	ug/l	8260B	07/14/08	1	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	07/14/08	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	07/14/08	1	1
Ethylbenzene	U	0.22	1.0	ug/l	8260B	07/14/08	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	07/14/08	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	07/14/08	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	07/14/08	1	10
Methylene Chloride	U	0.30	5.0	ug/l	8260B	07/14/08	1	1
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	07/14/08	1	100
Styrene	U	0.38	1.0	ug/l	8260B	07/14/08	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	07/14/08	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	07/14/08	1	1
Tetrachloroethene	U	0.29	1.0	ug/l	8260B	07/14/08	1	1
Toluene	U	0.27	5.0	ug/l	8260B	07/14/08	1	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	07/14/08	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	07/14/08	1	5
Trichloroethene	U	0.37	1.0	ug/l	8260B	07/14/08	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	07/14/08	1	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	07/14/08	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	07/14/08	1	50
Vinyl chloride	U	0.27	1.0	ug/l	8260B	07/14/08	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	07/14/08	1	4
1,2-Dibromoethane	U	0.48	1.0	ug/l	8260B	07/14/08	1	1
1,2-Dibromo-3-Chloropropane	U	0.48	5.0	ug/l	8260B	07/14/08	1	1
Surrogate Recovery								
Toluene-d8	104.			% Rec.	8260B	07/14/08	1	
Dibromofluoromethane	108.			% Rec.	8260B	07/14/08	1	
4-Bromofluorobenzene	95.1			% Rec.	8260B	07/14/08	1	

U = ND (Not Detected)
SWSL = Solid Waste Section Limit
MDL = Minimum Detection Limit = LOD = SQL(TRRP)
RDL = Reported Detection Limit = LOQ = PQL = EQL = MQL(TRRP)
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REPORT OF ANALYSIS

Michelle Logut / Jerry Paul
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

July 17, 2008

ESC Sample # : L354659-03

Date Received : July 11, 2008
Description : Edgecombe Landfill

Site ID :

Sample ID : MW-4

Project # : 1054-07-238

Collected By : Michelle Logut
Collection Date : 07/09/08 16:20

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Antimony	0.39	0.29	1.0	ug/l	6020	07/15/08	1	6
Arsenic	16.	0.22	1.0	ug/l	6020	07/15/08	1	10
Beryllium	U	0.28	1.0	ug/l	6020	07/15/08	1	1
Cadmium	U	0.15	0.50	ug/l	6020	07/15/08	1	1
Copper	0.49	0.48	1.0	ug/l	6020	07/15/08	1	10
Selenium	1.2	0.32	1.0	ug/l	6020	07/15/08	1	10
Thallium	U	0.22	1.0	ug/l	6020	07/15/08	1	5.5
Zinc	U	3.3	10.	ug/l	6020	07/15/08	1	10
Mercury	U	0.044	0.20	ug/l	7470A	07/16/08	1	.2
Barium	62.	1.1	5.0	ug/l	6010B	07/13/08	1	100
Chromium	2.2	2.0	10.	ug/l	6010B	07/13/08	1	10
Cobalt	1.6	1.1	10.	ug/l	6010B	07/13/08	1	10
Lead	U	1.9	5.0	ug/l	6010B	07/13/08	1	5
Nickel	U	9.8	20.	ug/l	6010B	07/13/08	1	50
Silver	U	3.2	10.	ug/l	6010B	07/13/08	1	10
Vanadium	5.0	1.9	10.	ug/l	6010B	07/13/08	1	25
Volatile Organics								
Acetone	U	8.9	50.	ug/l	8260B	07/14/08	1	100
Acrylonitrile	U	1.7	10.	ug/l	8260B	07/14/08	1	200
Benzene	U	0.29	1.0	ug/l	8260B	07/14/08	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	07/14/08	1	3
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	07/14/08	1	1
Bromoform	U	0.51	1.0	ug/l	8260B	07/14/08	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	07/14/08	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	07/14/08	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	07/14/08	1	1
Chlorobenzene	U	0.26	1.0	ug/l	8260B	07/14/08	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	07/14/08	1	1
Chloroethane	U	0.86	5.0	ug/l	8260B	07/14/08	1	10
Chloroform	U	0.33	5.0	ug/l	8260B	07/14/08	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	07/14/08	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	07/14/08	1	1
1,2-Dichlorobenzene	U	0.29	1.0	ug/l	8260B	07/14/08	1	5
1,4-Dichlorobenzene	U	0.30	1.0	ug/l	8260B	07/14/08	1	1
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	07/14/08	1	100
1,1-Dichloroethane	U	0.31	1.0	ug/l	8260B	07/14/08	1	5
1,2-Dichloroethane	U	0.27	1.0	ug/l	8260B	07/14/08	1	1
1,1-Dichloroethene	U	0.50	1.0	ug/l	8260B	07/14/08	1	5
cis-1,2-Dichloroethene	U	0.38	1.0	ug/l	8260B	07/14/08	1	5

U = ND (Not Detected)
SWSL = Solid Waste Section Limit
MDL = Minimum Detection Limit = LOD = SQL(TRRP)
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REPORT OF ANALYSIS

Michelle Logut / Jerry Paul
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

July 17, 2008

ESC Sample # : L354659-03

Date Received : July 11, 2008
Description : Edgecombe Landfill

Site ID :

Sample ID : MW-4

Project # : 1054-07-238

Collected By : Michelle Logut
Collection Date : 07/09/08 16:20

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l	8260B	07/14/08	1	5
1,2-Dichloropropane	U	0.52	1.0	ug/l	8260B	07/14/08	1	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	07/14/08	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	07/14/08	1	1
Ethylbenzene	U	0.22	1.0	ug/l	8260B	07/14/08	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	07/14/08	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	07/14/08	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	07/14/08	1	10
Methylene Chloride	U	0.30	5.0	ug/l	8260B	07/14/08	1	1
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	07/14/08	1	100
Styrene	U	0.38	1.0	ug/l	8260B	07/14/08	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	07/14/08	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	07/14/08	1	1
Tetrachloroethene	U	0.29	1.0	ug/l	8260B	07/14/08	1	1
Toluene	U	0.27	5.0	ug/l	8260B	07/14/08	1	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	07/14/08	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	07/14/08	1	5
Trichloroethene	U	0.37	1.0	ug/l	8260B	07/14/08	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	07/14/08	1	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	07/14/08	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	07/14/08	1	50
Vinyl chloride	U	0.27	1.0	ug/l	8260B	07/14/08	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	07/14/08	1	4
1,2-Dibromoethane	U	0.48	1.0	ug/l	8260B	07/14/08	1	1
1,2-Dibromo-3-Chloropropane	U	0.48	5.0	ug/l	8260B	07/14/08	1	1
Surrogate Recovery								
Toluene-d8	102.			% Rec.	8260B	07/14/08	1	
Dibromofluoromethane	109.			% Rec.	8260B	07/14/08	1	
4-Bromofluorobenzene	94.3			% Rec.	8260B	07/14/08	1	

U = ND (Not Detected)
SWSL = Solid Waste Section Limit
MDL = Minimum Detection Limit = LOD = SQL(TRRP)
RDL = Reported Detection Limit = LOQ = PQL = EQL = MQL(TRRP)
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REPORT OF ANALYSIS

Michelle Logut / Jerry Paul
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

July 17, 2008

ESC Sample # : L354659-04

Date Received : July 11, 2008
Description : Edgecombe Landfill

Site ID :

Sample ID : MW-5

Project # : 1054-07-238

Collected By : Michelle Logut
Collection Date : 07/09/08 13:30

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Antimony	U	0.29	1.0	ug/l	6020	07/15/08	1	6
Arsenic	22.	1.1	5.0	ug/l	6020	07/15/08	5	10
Beryllium	U	0.28	1.0	ug/l	6020	07/15/08	1	1
Cadmium	U	0.15	0.50	ug/l	6020	07/15/08	1	1
Copper	U	2.4	5.0	ug/l	6020	07/15/08	5	10
Selenium	U	1.6	5.0	ug/l	6020	07/15/08	5	10
Thallium	U	0.22	1.0	ug/l	6020	07/15/08	1	5.5
Zinc	52.	16.	50.	ug/l	6020	07/15/08	5	10
Mercury	U	0.044	0.20	ug/l	7470A	07/16/08	1	.2
Barium	180	1.1	5.0	ug/l	6010B	07/13/08	1	100
Chromium	5.5	2.0	10.	ug/l	6010B	07/13/08	1	10
Cobalt	150	1.1	10.	ug/l	6010B	07/13/08	1	10
Lead	8.1	1.9	5.0	ug/l	6010B	07/13/08	1	5
Nickel	51.	9.8	20.	ug/l	6010B	07/13/08	1	50
Silver	9.4	3.2	10.	ug/l	6010B	07/13/08	1	10
Vanadium	U	1.9	10.	ug/l	6010B	07/13/08	1	25
Volatile Organics								
Acetone	U	8.9	50.	ug/l	8260B	07/14/08	1	100
Acrylonitrile	U	1.7	10.	ug/l	8260B	07/14/08	1	200
Benzene	7.1	0.29	1.0	ug/l	8260B	07/14/08	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	07/14/08	1	3
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	07/14/08	1	1
Bromoform	U	0.51	1.0	ug/l	8260B	07/14/08	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	07/14/08	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	07/14/08	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	07/14/08	1	1
Chlorobenzene	19.	0.26	1.0	ug/l	8260B	07/14/08	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	07/14/08	1	1
Chloroethane	3.1	0.86	5.0	ug/l	8260B	07/14/08	1	10
Chloroform	U	0.33	5.0	ug/l	8260B	07/14/08	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	07/14/08	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	07/14/08	1	1
1,2-Dichlorobenzene	1.4	0.29	1.0	ug/l	8260B	07/14/08	1	5
1,4-Dichlorobenzene	9.7	0.30	1.0	ug/l	8260B	07/14/08	1	1
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	07/14/08	1	100
1,1-Dichloroethane	20.	0.31	1.0	ug/l	8260B	07/14/08	1	5
1,2-Dichloroethane	1.5	0.27	1.0	ug/l	8260B	07/14/08	1	1
1,1-Dichloroethene	1.7	0.50	1.0	ug/l	8260B	07/14/08	1	5
cis-1,2-Dichloroethene	830	7.6	20.	ug/l	8260B	07/15/08	20	5

U = ND (Not Detected)
SWSL = Solid Waste Section Limit
MDL = Minimum Detection Limit = LOD = SQL(TRRP)
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REPORT OF ANALYSIS

Michelle Logut / Jerry Paul
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

July 17, 2008

ESC Sample # : L354659-04

Date Received : July 11, 2008
Description : Edgecombe Landfill

Site ID :

Sample ID : MW-5

Project # : 1054-07-238

Collected By : Michelle Logut
Collection Date : 07/09/08 13:30

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
trans-1,2-Dichloroethene	5.3	0.30	1.0	ug/l	8260B	07/14/08	1	5
1,2-Dichloropropane	2.1	0.52	1.0	ug/l	8260B	07/14/08	1	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	07/14/08	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	07/14/08	1	1
Ethylbenzene	U	0.22	1.0	ug/l	8260B	07/14/08	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	07/14/08	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	07/14/08	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	07/14/08	1	10
Methylene Chloride	0.42	0.30	5.0	ug/l	8260B	07/14/08	1	1
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	07/14/08	1	100
Styrene	U	0.38	1.0	ug/l	8260B	07/14/08	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	07/14/08	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	07/14/08	1	1
Tetrachloroethene	0.50	0.29	1.0	ug/l	8260B	07/14/08	1	1
Toluene	1.3	0.27	5.0	ug/l	8260B	07/14/08	1	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	07/14/08	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	07/14/08	1	5
Trichloroethene	2.9	0.37	1.0	ug/l	8260B	07/14/08	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	07/14/08	1	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	07/14/08	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	07/14/08	1	50
Vinyl chloride	39.	0.27	1.0	ug/l	8260B	07/14/08	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	07/14/08	1	4
1,2-Dibromoethane	U	0.48	1.0	ug/l	8260B	07/14/08	1	1
1,2-Dibromo-3-Chloropropane	U	0.48	5.0	ug/l	8260B	07/14/08	1	1
Surrogate Recovery								
Toluene-d8	102.			% Rec.	8260B	07/14/08	1	
Dibromofluoromethane	109.			% Rec.	8260B	07/14/08	1	
4-Bromofluorobenzene	99.6			% Rec.	8260B	07/14/08	1	

U = ND (Not Detected)
SWSL = Solid Waste Section Limit
MDL = Minimum Detection Limit = LOD = SQL(TRRP)
RDL = Reported Detection Limit = LOQ = PQL = EQL = MQL(TRRP)
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Tax I.D. 62-0814289

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REPORT OF ANALYSIS

Michelle Logut / Jerry Paul
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

July 17, 2008

ESC Sample # : L354659-05

Date Received : July 11, 2008
Description : Edgecombe Landfill

Site ID :

Sample ID : MW-6

Project # : 1054-07-238

Collected By : Michelle Logut
Collection Date : 07/09/08 13:55

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Antimony	U	0.29	1.0	ug/l	6020	07/15/08	1	6
Arsenic	1.4	0.22	1.0	ug/l	6020	07/15/08	1	10
Beryllium	U	0.28	1.0	ug/l	6020	07/15/08	1	1
Cadmium	0.33	0.15	0.50	ug/l	6020	07/15/08	1	1
Copper	1.9	0.48	1.0	ug/l	6020	07/15/08	1	10
Selenium	0.79	0.32	1.0	ug/l	6020	07/15/08	1	10
Thallium	U	0.22	1.0	ug/l	6020	07/15/08	1	5.5
Zinc	20.	3.3	10.	ug/l	6020	07/15/08	1	10
Mercury	U	0.044	0.20	ug/l	7470A	07/16/08	1	.2
Barium	140	1.1	5.0	ug/l	6010B	07/14/08	1	100
Chromium	U	2.0	10.	ug/l	6010B	07/14/08	1	10
Cobalt	3.3	1.1	10.	ug/l	6010B	07/14/08	1	10
Lead	2.5	1.9	5.0	ug/l	6010B	07/14/08	1	5
Nickel	U	9.8	20.	ug/l	6010B	07/14/08	1	50
Silver	U	3.2	10.	ug/l	6010B	07/14/08	1	10
Vanadium	U	1.9	10.	ug/l	6010B	07/14/08	1	25
Volatile Organics								
Acetone	U	8.9	50.	ug/l	8260B	07/14/08	1	100
Acrylonitrile	U	1.7	10.	ug/l	8260B	07/14/08	1	200
Benzene	U	0.29	1.0	ug/l	8260B	07/14/08	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	07/14/08	1	3
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	07/14/08	1	1
Bromoform	U	0.51	1.0	ug/l	8260B	07/14/08	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	07/14/08	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	07/14/08	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	07/14/08	1	1
Chlorobenzene	U	0.26	1.0	ug/l	8260B	07/14/08	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	07/14/08	1	1
Chloroethane	U	0.86	5.0	ug/l	8260B	07/14/08	1	10
Chloroform	U	0.33	5.0	ug/l	8260B	07/14/08	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	07/14/08	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	07/14/08	1	1
1,2-Dichlorobenzene	U	0.29	1.0	ug/l	8260B	07/14/08	1	5
1,4-Dichlorobenzene	U	0.30	1.0	ug/l	8260B	07/14/08	1	1
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	07/14/08	1	100
1,1-Dichloroethane	0.40	0.31	1.0	ug/l	8260B	07/14/08	1	5
1,2-Dichloroethane	U	0.27	1.0	ug/l	8260B	07/14/08	1	1
1,1-Dichloroethene	U	0.50	1.0	ug/l	8260B	07/14/08	1	5
cis-1,2-Dichloroethene	U	0.38	1.0	ug/l	8260B	07/15/08	1	5

U = ND (Not Detected)
SWSL = Solid Waste Section Limit
MDL = Minimum Detection Limit = LOD = SQL(TRRP)
RDL = Reported Detection Limit = LOQ = PQL = EQL = MQL(TRRP)
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Tax I.D. 62-0814289

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REPORT OF ANALYSIS

Michelle Logut / Jerry Paul
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

July 17, 2008

ESC Sample # : L354659-05

Date Received : July 11, 2008
Description : Edgecombe Landfill

Site ID :

Sample ID : MW-6

Project # : 1054-07-238

Collected By : Michelle Logut
Collection Date : 07/09/08 13:55

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l	8260B	07/14/08	1	5
1,2-Dichloropropane	U	0.52	1.0	ug/l	8260B	07/14/08	1	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	07/14/08	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	07/14/08	1	1
Ethylbenzene	U	0.22	1.0	ug/l	8260B	07/14/08	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	07/14/08	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	07/14/08	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	07/14/08	1	10
Methylene Chloride	U	0.30	5.0	ug/l	8260B	07/14/08	1	1
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	07/14/08	1	100
Styrene	U	0.38	1.0	ug/l	8260B	07/14/08	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	07/14/08	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	07/14/08	1	1
Tetrachloroethene	U	0.29	1.0	ug/l	8260B	07/14/08	1	1
Toluene	U	0.27	5.0	ug/l	8260B	07/14/08	1	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	07/14/08	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	07/14/08	1	5
Trichloroethene	U	0.37	1.0	ug/l	8260B	07/14/08	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	07/14/08	1	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	07/14/08	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	07/14/08	1	50
Vinyl chloride	U	0.27	1.0	ug/l	8260B	07/14/08	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	07/14/08	1	4
1,2-Dibromoethane	U	0.48	1.0	ug/l	8260B	07/14/08	1	1
1,2-Dibromo-3-Chloropropane	U	0.48	5.0	ug/l	8260B	07/14/08	1	1
Surrogate Recovery								
Toluene-d8	102.			% Rec.	8260B	07/14/08	1	
Dibromofluoromethane	112.			% Rec.	8260B	07/14/08	1	
4-Bromofluorobenzene	84.9			% Rec.	8260B	07/14/08	1	

U = ND (Not Detected)
SWSL = Solid Waste Section Limit
MDL = Minimum Detection Limit = LOD = SQL(TRRP)
RDL = Reported Detection Limit = LOQ = PQL = EQL = MQL(TRRP)
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REPORT OF ANALYSIS

Michelle Logut / Jerry Paul
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

July 17, 2008

ESC Sample # : L354659-06

Date Received : July 11, 2008
Description : Edgecombe Landfill

Site ID :

Sample ID : MW-7A

Project # : 1054-07-238

Collected By : Michelle Logut
Collection Date : 07/09/08 14:35

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Antimony	U	0.29	1.0	ug/l	6020	07/15/08	1	6
Arsenic	23.	1.1	5.0	ug/l	6020	07/15/08	5	10
Beryllium	U	0.28	1.0	ug/l	6020	07/15/08	1	1
Cadmium	U	0.15	0.50	ug/l	6020	07/15/08	1	1
Copper	U	2.4	5.0	ug/l	6020	07/15/08	5	10
Selenium	U	1.6	5.0	ug/l	6020	07/15/08	5	10
Thallium	U	0.22	1.0	ug/l	6020	07/15/08	1	5.5
Zinc	U	16.	50.	ug/l	6020	07/15/08	5	10
Mercury	U	0.044	0.20	ug/l	7470A	07/16/08	1	.2
Barium	150	1.1	5.0	ug/l	6010B	07/14/08	1	100
Chromium	10.	2.0	10.	ug/l	6010B	07/14/08	1	10
Cobalt	4.9	1.1	10.	ug/l	6010B	07/14/08	1	10
Lead	9.2	1.9	5.0	ug/l	6010B	07/14/08	1	5
Nickel	35.	9.8	20.	ug/l	6010B	07/14/08	1	50
Silver	7.9	3.2	10.	ug/l	6010B	07/14/08	1	10
Vanadium	U	1.9	10.	ug/l	6010B	07/14/08	1	25
Volatile Organics								
Acetone	U	8.9	50.	ug/l	8260B	07/14/08	1	100
Acrylonitrile	U	1.7	10.	ug/l	8260B	07/14/08	1	200
Benzene	1.3	0.29	1.0	ug/l	8260B	07/14/08	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	07/14/08	1	3
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	07/14/08	1	1
Bromoform	U	0.51	1.0	ug/l	8260B	07/14/08	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	07/14/08	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	07/14/08	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	07/14/08	1	1
Chlorobenzene	1.6	0.26	1.0	ug/l	8260B	07/14/08	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	07/14/08	1	1
Chloroethane	3.4	0.86	5.0	ug/l	8260B	07/14/08	1	10
Chloroform	U	0.33	5.0	ug/l	8260B	07/14/08	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	07/14/08	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	07/14/08	1	1
1,2-Dichlorobenzene	U	0.29	1.0	ug/l	8260B	07/14/08	1	5
1,4-Dichlorobenzene	0.58	0.30	1.0	ug/l	8260B	07/14/08	1	1
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	07/14/08	1	100
1,1-Dichloroethane	U	0.31	1.0	ug/l	8260B	07/14/08	1	5
1,2-Dichloroethane	U	0.27	1.0	ug/l	8260B	07/14/08	1	1
1,1-Dichloroethene	U	0.50	1.0	ug/l	8260B	07/14/08	1	5
cis-1,2-Dichloroethene	U	0.38	1.0	ug/l	8260B	07/15/08	1	5

U = ND (Not Detected)
SWSL = Solid Waste Section Limit
MDL = Minimum Detection Limit = LOD = SQL(TRRP)
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REPORT OF ANALYSIS

Michelle Logut / Jerry Paul
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

July 17, 2008

ESC Sample # : L354659-06

Date Received : July 11, 2008
Description : Edgecombe Landfill

Site ID :

Sample ID : MW-7A

Project # : 1054-07-238

Collected By : Michelle Logut
Collection Date : 07/09/08 14:35

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l	8260B	07/14/08	1	5
1,2-Dichloropropane	U	0.52	1.0	ug/l	8260B	07/14/08	1	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	07/14/08	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	07/14/08	1	1
Ethylbenzene	U	0.22	1.0	ug/l	8260B	07/14/08	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	07/14/08	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	07/14/08	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	07/14/08	1	10
Methylene Chloride	0.37	0.30	5.0	ug/l	8260B	07/14/08	1	1
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	07/14/08	1	100
Styrene	U	0.38	1.0	ug/l	8260B	07/14/08	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	07/14/08	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	07/14/08	1	1
Tetrachloroethene	U	0.29	1.0	ug/l	8260B	07/14/08	1	1
Toluene	U	0.27	5.0	ug/l	8260B	07/14/08	1	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	07/14/08	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	07/14/08	1	5
Trichloroethene	U	0.37	1.0	ug/l	8260B	07/14/08	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	07/14/08	1	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	07/14/08	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	07/14/08	1	50
Vinyl chloride	0.43	0.27	1.0	ug/l	8260B	07/14/08	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	07/14/08	1	4
1,2-Dibromoethane	U	0.48	1.0	ug/l	8260B	07/14/08	1	1
1,2-Dibromo-3-Chloropropane	U	0.48	5.0	ug/l	8260B	07/14/08	1	1
Surrogate Recovery								
Toluene-d8	104.			% Rec.	8260B	07/14/08	1	
Dibromofluoromethane	107.			% Rec.	8260B	07/14/08	1	
4-Bromofluorobenzene	93.2			% Rec.	8260B	07/14/08	1	

U = ND (Not Detected)
SWSL = Solid Waste Section Limit
MDL = Minimum Detection Limit = LOD = SQL(TRRP)
RDL = Reported Detection Limit = LOQ = PQL = EQL = MQL(TRRP)
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REPORT OF ANALYSIS

Michelle Logut / Jerry Paul
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

July 17, 2008

ESC Sample # : L354659-07

Date Received : July 11, 2008
Description : Edgecombe Landfill

Site ID :

Sample ID : MW-9

Project # : 1054-07-238

Collected By : Michelle Logut
Collection Date : 07/09/08 15:45

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Antimony	U	0.29	1.0	ug/l	6020	07/15/08	1	6
Arsenic	0.28	0.22	1.0	ug/l	6020	07/15/08	1	10
Beryllium	U	0.28	1.0	ug/l	6020	07/15/08	1	1
Cadmium	U	0.15	0.50	ug/l	6020	07/15/08	1	1
Copper	U	0.48	1.0	ug/l	6020	07/15/08	1	10
Selenium	0.34	0.32	1.0	ug/l	6020	07/15/08	1	10
Thallium	U	0.22	1.0	ug/l	6020	07/15/08	1	5.5
Zinc	58.	3.3	10.	ug/l	6020	07/15/08	1	10
Mercury	U	0.044	0.20	ug/l	7470A	07/16/08	1	.2
Barium	150	1.1	5.0	ug/l	6010B	07/14/08	1	100
Chromium	U	2.0	10.	ug/l	6010B	07/14/08	1	10
Cobalt	U	1.1	10.	ug/l	6010B	07/14/08	1	10
Lead	U	1.9	5.0	ug/l	6010B	07/14/08	1	5
Nickel	U	9.8	20.	ug/l	6010B	07/14/08	1	50
Silver	U	3.2	10.	ug/l	6010B	07/14/08	1	10
Vanadium	U	1.9	10.	ug/l	6010B	07/14/08	1	25
Volatile Organics								
Acetone	U	8.9	50.	ug/l	8260B	07/14/08	1	100
Acrylonitrile	U	1.7	10.	ug/l	8260B	07/14/08	1	200
Benzene	U	0.29	1.0	ug/l	8260B	07/14/08	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	07/14/08	1	3
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	07/14/08	1	1
Bromoform	U	0.51	1.0	ug/l	8260B	07/14/08	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	07/14/08	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	07/14/08	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	07/14/08	1	1
Chlorobenzene	U	0.26	1.0	ug/l	8260B	07/14/08	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	07/14/08	1	1
Chloroethane	U	0.86	5.0	ug/l	8260B	07/14/08	1	10
Chloroform	U	0.33	5.0	ug/l	8260B	07/14/08	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	07/14/08	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	07/14/08	1	1
1,2-Dichlorobenzene	U	0.29	1.0	ug/l	8260B	07/14/08	1	5
1,4-Dichlorobenzene	U	0.30	1.0	ug/l	8260B	07/14/08	1	1
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	07/14/08	1	100
1,1-Dichloroethane	U	0.31	1.0	ug/l	8260B	07/14/08	1	5
1,2-Dichloroethane	U	0.27	1.0	ug/l	8260B	07/14/08	1	1
1,1-Dichloroethene	U	0.50	1.0	ug/l	8260B	07/14/08	1	5
cis-1,2-Dichloroethene	U	0.38	1.0	ug/l	8260B	07/14/08	1	5

U = ND (Not Detected)
SWSL = Solid Waste Section Limit
MDL = Minimum Detection Limit = LOD = SQL(TRRP)
RDL = Reported Detection Limit = LOQ = PQL = EQL = MQL(TRRP)
Note:
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Tax I.D. 62-0814289

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REPORT OF ANALYSIS

Michelle Logut / Jerry Paul
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

July 17, 2008

ESC Sample # : L354659-07

Date Received : July 11, 2008
Description : Edgecombe Landfill

Site ID :

Sample ID : MW-9

Project # : 1054-07-238

Collected By : Michelle Logut
Collection Date : 07/09/08 15:45

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l	8260B	07/14/08	1	5
1,2-Dichloropropane	U	0.52	1.0	ug/l	8260B	07/14/08	1	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	07/14/08	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	07/14/08	1	1
Ethylbenzene	U	0.22	1.0	ug/l	8260B	07/14/08	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	07/14/08	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	07/14/08	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	07/14/08	1	10
Methylene Chloride	U	0.30	5.0	ug/l	8260B	07/14/08	1	1
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	07/14/08	1	100
Styrene	U	0.38	1.0	ug/l	8260B	07/14/08	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	07/14/08	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	07/14/08	1	1
Tetrachloroethene	U	0.29	1.0	ug/l	8260B	07/14/08	1	1
Toluene	U	0.27	5.0	ug/l	8260B	07/14/08	1	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	07/14/08	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	07/14/08	1	5
Trichloroethene	U	0.37	1.0	ug/l	8260B	07/14/08	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	07/14/08	1	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	07/14/08	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	07/14/08	1	50
Vinyl chloride	U	0.27	1.0	ug/l	8260B	07/14/08	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	07/14/08	1	4
1,2-Dibromoethane	U	0.48	1.0	ug/l	8260B	07/14/08	1	1
1,2-Dibromo-3-Chloropropane	U	0.48	5.0	ug/l	8260B	07/14/08	1	1
Surrogate Recovery								
Toluene-d8	101.			% Rec.	8260B	07/14/08	1	
Dibromofluoromethane	102.			% Rec.	8260B	07/14/08	1	
4-Bromofluorobenzene	104.			% Rec.	8260B	07/14/08	1	

U = ND (Not Detected)
SWSL = Solid Waste Section Limit
MDL = Minimum Detection Limit = LOD = SQL(TRRP)
RDL = Reported Detection Limit = LOQ = PQL = EQL = MQL(TRRP)
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REPORT OF ANALYSIS

Michelle Logut / Jerry Paul
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

July 17, 2008

ESC Sample # : L354659-08

Date Received : July 11, 2008
Description : Edgecombe Landfill

Site ID :

Sample ID : EQB

Project # : 1054-07-238

Collected By : Michelle Logut
Collection Date : 07/09/08 17:10

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Antimony	U	0.29	1.0	ug/l	6020	07/15/08	1	6
Arsenic	U	0.22	1.0	ug/l	6020	07/15/08	1	10
Beryllium	U	0.28	1.0	ug/l	6020	07/15/08	1	1
Cadmium	U	0.15	0.50	ug/l	6020	07/15/08	1	1
Copper	2.4	0.48	1.0	ug/l	6020	07/15/08	1	10
Selenium	U	0.32	1.0	ug/l	6020	07/15/08	1	10
Thallium	U	0.22	1.0	ug/l	6020	07/15/08	1	5.5
Zinc	15.	3.3	10.	ug/l	6020	07/15/08	1	10
Mercury	U	0.044	0.20	ug/l	7470A	07/16/08	1	.2
Barium	U	1.1	5.0	ug/l	6010B	07/14/08	1	100
Chromium	U	2.0	10.	ug/l	6010B	07/14/08	1	10
Cobalt	U	1.1	10.	ug/l	6010B	07/14/08	1	10
Lead	2.6	1.9	5.0	ug/l	6010B	07/14/08	1	5
Nickel	U	9.8	20.	ug/l	6010B	07/14/08	1	50
Silver	U	3.2	10.	ug/l	6010B	07/14/08	1	10
Vanadium	U	1.9	10.	ug/l	6010B	07/14/08	1	25
Volatile Organics								
Acetone	U	8.9	50.	ug/l	8260B	07/14/08	1	100
Acrylonitrile	U	1.7	10.	ug/l	8260B	07/14/08	1	200
Benzene	U	0.29	1.0	ug/l	8260B	07/14/08	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	07/14/08	1	3
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	07/14/08	1	1
Bromoform	U	0.51	1.0	ug/l	8260B	07/14/08	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	07/14/08	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	07/14/08	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	07/14/08	1	1
Chlorobenzene	U	0.26	1.0	ug/l	8260B	07/14/08	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	07/14/08	1	1
Chloroethane	U	0.86	5.0	ug/l	8260B	07/14/08	1	10
Chloroform	U	0.33	5.0	ug/l	8260B	07/14/08	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	07/14/08	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	07/14/08	1	1
1,2-Dichlorobenzene	U	0.29	1.0	ug/l	8260B	07/14/08	1	5
1,4-Dichlorobenzene	U	0.30	1.0	ug/l	8260B	07/14/08	1	1
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	07/14/08	1	100
1,1-Dichloroethane	U	0.31	1.0	ug/l	8260B	07/14/08	1	5
1,2-Dichloroethane	U	0.27	1.0	ug/l	8260B	07/14/08	1	1
1,1-Dichloroethene	U	0.50	1.0	ug/l	8260B	07/14/08	1	5
cis-1,2-Dichloroethene	U	0.38	1.0	ug/l	8260B	07/14/08	1	5

U = ND (Not Detected)
SWSL = Solid Waste Section Limit
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REPORT OF ANALYSIS

Michelle Logut / Jerry Paul
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

July 17, 2008

ESC Sample # : L354659-08

Date Received : July 11, 2008
Description : Edgecombe Landfill

Site ID :

Sample ID : EQB

Project # : 1054-07-238

Collected By : Michelle Logut
Collection Date : 07/09/08 17:10

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l	8260B	07/14/08	1	5
1,2-Dichloropropane	U	0.52	1.0	ug/l	8260B	07/14/08	1	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	07/14/08	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	07/14/08	1	1
Ethylbenzene	U	0.22	1.0	ug/l	8260B	07/14/08	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	07/14/08	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	07/14/08	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	07/14/08	1	10
Methylene Chloride	0.54	0.30	5.0	ug/l	8260B	07/14/08	1	1
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	07/14/08	1	100
Styrene	U	0.38	1.0	ug/l	8260B	07/14/08	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	07/14/08	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	07/14/08	1	1
Tetrachloroethene	U	0.29	1.0	ug/l	8260B	07/14/08	1	1
Toluene	U	0.27	5.0	ug/l	8260B	07/14/08	1	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	07/14/08	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	07/14/08	1	5
Trichloroethene	U	0.37	1.0	ug/l	8260B	07/14/08	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	07/14/08	1	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	07/14/08	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	07/14/08	1	50
Vinyl chloride	U	0.27	1.0	ug/l	8260B	07/14/08	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	07/14/08	1	4
1,2-Dibromoethane	U	0.48	1.0	ug/l	8260B	07/14/08	1	1
1,2-Dibromo-3-Chloropropane	U	0.48	5.0	ug/l	8260B	07/14/08	1	1
Surrogate Recovery								
Toluene-d8	101.			% Rec.	8260B	07/14/08	1	
Dibromofluoromethane	102.			% Rec.	8260B	07/14/08	1	
4-Bromofluorobenzene	106.			% Rec.	8260B	07/14/08	1	

U = ND (Not Detected)
SWSL = Solid Waste Section Limit
MDL = Minimum Detection Limit = LOD = SQL(TRRP)
RDL = Reported Detection Limit = LOQ = PQL = EQL = MQL(TRRP)
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REPORT OF ANALYSIS

Michelle Logut / Jerry Paul
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

July 17, 2008

ESC Sample # : L354659-09

Date Received : July 11, 2008
Description : Edgecombe Landfill

Site ID :

Sample ID : DUP

Project # : 1054-07-238

Collected By : Michelle Logut
Collection Date : 07/09/08 00:00

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Antimony	U	0.29	1.0	ug/l	6020	07/15/08	1	6
Arsenic	25.	1.1	5.0	ug/l	6020	07/15/08	5	10
Beryllium	U	0.28	1.0	ug/l	6020	07/15/08	1	1
Cadmium	U	0.15	0.50	ug/l	6020	07/15/08	1	1
Copper	U	2.4	5.0	ug/l	6020	07/15/08	5	10
Selenium	U	1.6	5.0	ug/l	6020	07/15/08	5	10
Thallium	U	0.22	1.0	ug/l	6020	07/15/08	1	5.5
Zinc	U	16.	50.	ug/l	6020	07/15/08	5	10
Mercury	U	0.044	0.20	ug/l	7470A	07/16/08	1	.2
Barium	170	1.1	5.0	ug/l	6010B	07/14/08	1	100
Chromium	10.	2.0	10.	ug/l	6010B	07/14/08	1	10
Cobalt	4.9	1.1	10.	ug/l	6010B	07/14/08	1	10
Lead	10.	1.9	5.0	ug/l	6010B	07/14/08	1	5
Nickel	27.	9.8	20.	ug/l	6010B	07/14/08	1	50
Silver	6.8	3.2	10.	ug/l	6010B	07/14/08	1	10
Vanadium	U	1.9	10.	ug/l	6010B	07/14/08	1	25
Volatile Organics								
Acetone	U	8.9	50.	ug/l	8260B	07/14/08	1	100
Acrylonitrile	U	1.7	10.	ug/l	8260B	07/14/08	1	200
Benzene	1.4	0.29	1.0	ug/l	8260B	07/14/08	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	07/14/08	1	3
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	07/14/08	1	1
Bromoform	U	0.51	1.0	ug/l	8260B	07/14/08	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	07/14/08	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	07/14/08	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	07/14/08	1	1
Chlorobenzene	1.9	0.26	1.0	ug/l	8260B	07/14/08	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	07/14/08	1	1
Chloroethane	2.5	0.86	5.0	ug/l	8260B	07/14/08	1	10
Chloroform	U	0.33	5.0	ug/l	8260B	07/14/08	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	07/14/08	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	07/14/08	1	1
1,2-Dichlorobenzene	U	0.29	1.0	ug/l	8260B	07/14/08	1	5
1,4-Dichlorobenzene	0.62	0.30	1.0	ug/l	8260B	07/14/08	1	1
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	07/14/08	1	100
1,1-Dichloroethane	U	0.31	1.0	ug/l	8260B	07/14/08	1	5
1,2-Dichloroethane	U	0.27	1.0	ug/l	8260B	07/14/08	1	1
1,1-Dichloroethene	U	0.50	1.0	ug/l	8260B	07/14/08	1	5
cis-1,2-Dichloroethene	0.48	0.38	1.0	ug/l	8260B	07/14/08	1	5

U = ND (Not Detected)
SWSL = Solid Waste Section Limit
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REPORT OF ANALYSIS

Michelle Logut / Jerry Paul
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

July 17, 2008

ESC Sample # : L354659-09

Date Received : July 11, 2008
Description : Edgecombe Landfill

Site ID :

Sample ID : DUP

Project # : 1054-07-238

Collected By : Michelle Logut
Collection Date : 07/09/08 00:00

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l	8260B	07/14/08	1	5
1,2-Dichloropropane	U	0.52	1.0	ug/l	8260B	07/14/08	1	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	07/14/08	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	07/14/08	1	1
Ethylbenzene	U	0.22	1.0	ug/l	8260B	07/14/08	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	07/14/08	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	07/14/08	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	07/14/08	1	10
Methylene Chloride	U	0.30	5.0	ug/l	8260B	07/14/08	1	1
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	07/14/08	1	100
Styrene	U	0.38	1.0	ug/l	8260B	07/14/08	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	07/14/08	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	07/14/08	1	1
Tetrachloroethene	U	0.29	1.0	ug/l	8260B	07/14/08	1	1
Toluene	U	0.27	5.0	ug/l	8260B	07/14/08	1	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	07/14/08	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	07/14/08	1	5
Trichloroethene	U	0.37	1.0	ug/l	8260B	07/14/08	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	07/14/08	1	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	07/14/08	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	07/14/08	1	50
Vinyl chloride	0.46	0.27	1.0	ug/l	8260B	07/14/08	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	07/14/08	1	4
1,2-Dibromoethane	U	0.48	1.0	ug/l	8260B	07/14/08	1	1
1,2-Dibromo-3-Chloropropane	U	0.48	5.0	ug/l	8260B	07/14/08	1	1
Surrogate Recovery								
Toluene-d8	101.			% Rec.	8260B	07/14/08	1	
Dibromofluoromethane	102.			% Rec.	8260B	07/14/08	1	
4-Bromofluorobenzene	106.			% Rec.	8260B	07/14/08	1	

U = ND (Not Detected)
SWSL = Solid Waste Section Limit
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REPORT OF ANALYSIS

Michelle Logut / Jerry Paul
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

July 17, 2008

ESC Sample # : L354659-10

Date Received : July 11, 2008
Description : Edgecombe Landfill

Site ID :

Sample ID : UPSTREAM

Project # : 1054-07-238

Collected By : Michelle Logut
Collection Date : 07/09/08 15:00

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Antimony	U	0.29	1.0	ug/l	6020	07/15/08	1	6
Arsenic	1.2	0.22	1.0	ug/l	6020	07/15/08	1	10
Beryllium	U	0.28	1.0	ug/l	6020	07/15/08	1	1
Cadmium	U	0.15	0.50	ug/l	6020	07/15/08	1	1
Copper	2.7	0.48	1.0	ug/l	6020	07/15/08	1	10
Selenium	U	0.32	1.0	ug/l	6020	07/15/08	1	10
Thallium	U	0.22	1.0	ug/l	6020	07/15/08	1	5.5
Zinc	36.	3.3	10.	ug/l	6020	07/15/08	1	10
Mercury	U	0.044	0.20	ug/l	7470A	07/17/08	1	.2
Barium	79.	1.1	5.0	ug/l	6010B	07/14/08	1	100
Chromium	U	2.0	10.	ug/l	6010B	07/14/08	1	10
Cobalt	U	1.1	10.	ug/l	6010B	07/14/08	1	10
Lead	U	1.9	5.0	ug/l	6010B	07/14/08	1	5
Nickel	U	9.8	20.	ug/l	6010B	07/14/08	1	50
Silver	U	3.2	10.	ug/l	6010B	07/14/08	1	10
Vanadium	3.0	1.9	10.	ug/l	6010B	07/14/08	1	25
Volatile Organics								
Acetone	U	8.9	50.	ug/l	8260B	07/14/08	1	100
Acrylonitrile	U	1.7	10.	ug/l	8260B	07/14/08	1	200
Benzene	U	0.29	1.0	ug/l	8260B	07/14/08	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	07/14/08	1	3
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	07/14/08	1	1
Bromoform	U	0.51	1.0	ug/l	8260B	07/14/08	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	07/14/08	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	07/14/08	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	07/14/08	1	1
Chlorobenzene	U	0.26	1.0	ug/l	8260B	07/14/08	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	07/14/08	1	1
Chloroethane	U	0.86	5.0	ug/l	8260B	07/14/08	1	10
Chloroform	U	0.33	5.0	ug/l	8260B	07/14/08	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	07/14/08	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	07/14/08	1	1
1,2-Dichlorobenzene	U	0.29	1.0	ug/l	8260B	07/14/08	1	5
1,4-Dichlorobenzene	U	0.30	1.0	ug/l	8260B	07/14/08	1	1
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	07/14/08	1	100
1,1-Dichloroethane	U	0.31	1.0	ug/l	8260B	07/14/08	1	5
1,2-Dichloroethane	U	0.27	1.0	ug/l	8260B	07/14/08	1	1
1,1-Dichloroethene	U	0.50	1.0	ug/l	8260B	07/14/08	1	5
cis-1,2-Dichloroethene	U	0.38	1.0	ug/l	8260B	07/14/08	1	5

U = ND (Not Detected)
SWSL = Solid Waste Section Limit
MDL = Minimum Detection Limit = LOD = SQL(TRRP)
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Tax I.D. 62-0814289

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REPORT OF ANALYSIS

Michelle Logut / Jerry Paul
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

July 17, 2008

ESC Sample # : L354659-10

Date Received : July 11, 2008
Description : Edgecombe Landfill

Site ID :

Sample ID : UPSTREAM

Project # : 1054-07-238

Collected By : Michelle Logut
Collection Date : 07/09/08 15:00

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l	8260B	07/14/08	1	5
1,2-Dichloropropane	U	0.52	1.0	ug/l	8260B	07/14/08	1	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	07/14/08	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	07/14/08	1	1
Ethylbenzene	U	0.22	1.0	ug/l	8260B	07/14/08	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	07/14/08	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	07/14/08	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	07/14/08	1	10
Methylene Chloride	U	0.30	5.0	ug/l	8260B	07/14/08	1	1
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	07/14/08	1	100
Styrene	U	0.38	1.0	ug/l	8260B	07/14/08	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	07/14/08	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	07/14/08	1	1
Tetrachloroethene	U	0.29	1.0	ug/l	8260B	07/14/08	1	1
Toluene	U	0.27	5.0	ug/l	8260B	07/14/08	1	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	07/14/08	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	07/14/08	1	5
Trichloroethene	U	0.37	1.0	ug/l	8260B	07/14/08	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	07/14/08	1	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	07/14/08	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	07/14/08	1	50
Vinyl chloride	U	0.27	1.0	ug/l	8260B	07/14/08	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	07/14/08	1	4
1,2-Dibromoethane	U	0.48	1.0	ug/l	8260B	07/14/08	1	1
1,2-Dibromo-3-Chloropropane	U	0.48	5.0	ug/l	8260B	07/14/08	1	1
Surrogate Recovery								
Toluene-d8	101.			% Rec.	8260B	07/14/08	1	
Dibromofluoromethane	102.			% Rec.	8260B	07/14/08	1	
4-Bromofluorobenzene	106.			% Rec.	8260B	07/14/08	1	

U = ND (Not Detected)
SWSL = Solid Waste Section Limit
MDL = Minimum Detection Limit = LOD = SQL(TRRP)
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REPORT OF ANALYSIS

Michelle Logut / Jerry Paul
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

July 17, 2008

ESC Sample # : L354659-11

Date Received : July 11, 2008
Description : Edgecombe Landfill

Site ID :

Sample ID : DOWNSTREAM

Project # : 1054-07-238

Collected By : Michelle Logut
Collection Date : 07/09/08 11:25

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Antimony	U	0.29	1.0	ug/l	6020	07/15/08	1	6
Arsenic	2.0	0.22	1.0	ug/l	6020	07/15/08	1	10
Beryllium	U	0.28	1.0	ug/l	6020	07/15/08	1	1
Cadmium	0.16	0.15	0.50	ug/l	6020	07/15/08	1	1
Copper	2.4	0.48	1.0	ug/l	6020	07/15/08	1	10
Selenium	0.71	0.32	1.0	ug/l	6020	07/15/08	1	10
Thallium	U	0.22	1.0	ug/l	6020	07/15/08	1	5.5
Zinc	22.	3.3	10.	ug/l	6020	07/15/08	1	10
Mercury	U	0.044	0.20	ug/l	7470A	07/17/08	1	.2
Barium	88.	1.1	5.0	ug/l	6010B	07/14/08	1	100
Chromium	2.5	2.0	10.	ug/l	6010B	07/14/08	1	10
Cobalt	3.6	1.1	10.	ug/l	6010B	07/14/08	1	10
Lead	U	1.9	5.0	ug/l	6010B	07/14/08	1	5
Nickel	U	9.8	20.	ug/l	6010B	07/14/08	1	50
Silver	U	3.2	10.	ug/l	6010B	07/14/08	1	10
Vanadium	3.1	1.9	10.	ug/l	6010B	07/14/08	1	25
Volatile Organics								
Acetone	U	8.9	50.	ug/l	8260B	07/14/08	1	100
Acrylonitrile	U	1.7	10.	ug/l	8260B	07/14/08	1	200
Benzene	U	0.29	1.0	ug/l	8260B	07/14/08	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	07/14/08	1	3
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	07/14/08	1	1
Bromoform	U	0.51	1.0	ug/l	8260B	07/14/08	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	07/14/08	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	07/14/08	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	07/14/08	1	1
Chlorobenzene	U	0.26	1.0	ug/l	8260B	07/14/08	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	07/14/08	1	1
Chloroethane	U	0.86	5.0	ug/l	8260B	07/14/08	1	10
Chloroform	U	0.33	5.0	ug/l	8260B	07/14/08	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	07/14/08	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	07/14/08	1	1
1,2-Dichlorobenzene	U	0.29	1.0	ug/l	8260B	07/14/08	1	5
1,4-Dichlorobenzene	U	0.30	1.0	ug/l	8260B	07/14/08	1	1
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	07/14/08	1	100
1,1-Dichloroethane	U	0.31	1.0	ug/l	8260B	07/14/08	1	5
1,2-Dichloroethane	U	0.27	1.0	ug/l	8260B	07/14/08	1	1
1,1-Dichloroethene	U	0.50	1.0	ug/l	8260B	07/14/08	1	5
cis-1,2-Dichloroethene	U	0.38	1.0	ug/l	8260B	07/14/08	1	5

U = ND (Not Detected)
SWSL = Solid Waste Section Limit
MDL = Minimum Detection Limit = LOD = SQL(TRRP)
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REPORT OF ANALYSIS

Michelle Logut / Jerry Paul
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

July 17, 2008

ESC Sample # : L354659-11

Date Received : July 11, 2008
Description : Edgecombe Landfill

Site ID :

Sample ID : DOWNSTREAM

Project # : 1054-07-238

Collected By : Michelle Logut
Collection Date : 07/09/08 11:25

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l	8260B	07/14/08	1	5
1,2-Dichloropropane	U	0.52	1.0	ug/l	8260B	07/14/08	1	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	07/14/08	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	07/14/08	1	1
Ethylbenzene	U	0.22	1.0	ug/l	8260B	07/14/08	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	07/14/08	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	07/14/08	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	07/14/08	1	10
Methylene Chloride	U	0.30	5.0	ug/l	8260B	07/14/08	1	1
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	07/14/08	1	100
Styrene	U	0.38	1.0	ug/l	8260B	07/14/08	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	07/14/08	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	07/14/08	1	1
Tetrachloroethene	U	0.29	1.0	ug/l	8260B	07/14/08	1	1
Toluene	U	0.27	5.0	ug/l	8260B	07/14/08	1	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	07/14/08	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	07/14/08	1	5
Trichloroethene	U	0.37	1.0	ug/l	8260B	07/14/08	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	07/14/08	1	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	07/14/08	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	07/14/08	1	50
Vinyl chloride	U	0.27	1.0	ug/l	8260B	07/14/08	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	07/14/08	1	4
1,2-Dibromoethane	U	0.48	1.0	ug/l	8260B	07/14/08	1	1
1,2-Dibromo-3-Chloropropane	U	0.48	5.0	ug/l	8260B	07/14/08	1	1
Surrogate Recovery								
Toluene-d8	101.			% Rec.	8260B	07/14/08	1	
Dibromofluoromethane	103.			% Rec.	8260B	07/14/08	1	
4-Bromofluorobenzene	106.			% Rec.	8260B	07/14/08	1	

U = ND (Not Detected)
SWSL = Solid Waste Section Limit
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REPORT OF ANALYSIS

Michelle Logut / Jerry Paul
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

July 17, 2008

ESC Sample # : L354659-12

Date Received : July 11, 2008
Description : Edgecombe Landfill

Site ID :

Sample ID : TRIP BLANK

Project # : 1054-07-238

Collected By : Michelle Logut
Collection Date : 07/09/08 00:00

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Volatile Organics								
Acetone	U	8.9	50.	ug/l	8260B	07/14/08	1	100
Acrylonitrile	U	1.7	10.	ug/l	8260B	07/14/08	1	200
Benzene	U	0.29	1.0	ug/l	8260B	07/14/08	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	07/14/08	1	3
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	07/14/08	1	1
Bromoform	U	0.51	1.0	ug/l	8260B	07/14/08	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	07/14/08	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	07/14/08	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	07/14/08	1	1
Chlorobenzene	U	0.26	1.0	ug/l	8260B	07/14/08	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	07/14/08	1	1
Chloroethane	U	0.86	5.0	ug/l	8260B	07/14/08	1	10
Chloroform	U	0.33	5.0	ug/l	8260B	07/14/08	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	07/14/08	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	07/14/08	1	1
1,2-Dichlorobenzene	U	0.29	1.0	ug/l	8260B	07/14/08	1	5
1,4-Dichlorobenzene	U	0.30	1.0	ug/l	8260B	07/14/08	1	1
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	07/14/08	1	100
1,1-Dichloroethane	U	0.31	1.0	ug/l	8260B	07/14/08	1	5
1,2-Dichloroethane	U	0.27	1.0	ug/l	8260B	07/14/08	1	1
1,1-Dichloroethene	U	0.50	1.0	ug/l	8260B	07/14/08	1	5
cis-1,2-Dichloroethene	U	0.38	1.0	ug/l	8260B	07/14/08	1	5
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l	8260B	07/14/08	1	5
1,2-Dichloropropane	U	0.52	1.0	ug/l	8260B	07/14/08	1	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	07/14/08	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	07/14/08	1	1
Ethylbenzene	U	0.22	1.0	ug/l	8260B	07/14/08	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	07/14/08	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	07/14/08	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	07/14/08	1	10
Methylene Chloride	U	0.30	5.0	ug/l	8260B	07/14/08	1	1
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	07/14/08	1	100
Styrene	U	0.38	1.0	ug/l	8260B	07/14/08	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	07/14/08	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	07/14/08	1	1
Tetrachloroethene	U	0.29	1.0	ug/l	8260B	07/14/08	1	1
Toluene	U	0.27	5.0	ug/l	8260B	07/14/08	1	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	07/14/08	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	07/14/08	1	5
Trichloroethene	U	0.37	1.0	ug/l	8260B	07/14/08	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	07/14/08	1	1

U = ND (Not Detected)
SWSL = Solid Waste Section Limit
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REPORT OF ANALYSIS

Michelle Logut / Jerry Paul
S&ME Inc. - Raleigh NC
3201 Spring Forest Road
Raleigh, NC 27616

July 17, 2008

ESC Sample # : L354659-12

Date Received : July 11, 2008
Description : Edgecombe Landfill

Site ID :

Sample ID : TRIP BLANK

Project # : 1054-07-238

Collected By : Michelle Logut
Collection Date : 07/09/08 00:00

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	07/14/08	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	07/14/08	1	50
Vinyl chloride	U	0.27	1.0	ug/l	8260B	07/14/08	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	07/14/08	1	4
1,2-Dibromoethane	U	0.48	1.0	ug/l	8260B	07/14/08	1	1
1,2-Dibromo-3-Chloropropane	U	0.48	5.0	ug/l	8260B	07/14/08	1	1
Surrogate Recovery								
Toluene-d8	101.			% Rec.	8260B	07/14/08	1	
Dibromofluoromethane	103.			% Rec.	8260B	07/14/08	1	
4-Bromofluorobenzene	104.			% Rec.	8260B	07/14/08	1	

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Attachment A
List of Analytes with QC Qualifiers

Sample #	Analyte	Qualifier
L354659-01	Cobalt	J
	Vanadium	J
	Cadmium	J
	Selenium	J
	1,1-Dichloroethane	J
L354659-02	Nickel	J
	Silver	J6
	Vanadium	J
	Beryllium	J
	Copper	J
	Selenium	J
L354659-03	Chromium	J
	Cobalt	J
	Vanadium	J
	Antimony	J
	Copper	J
L354659-04	Chromium	J
	Silver	J
	Copper	O
	Selenium	O
	Chloroethane	J
	Methylene Chloride	J
	Tetrachloroethene	J
	Toluene	J
L354659-05	Cobalt	J
	Lead	J
	Cadmium	J
	Selenium	J
	1,1-Dichloroethane	J
L354659-06	Cobalt	J
	Silver	J
	Copper	O
	Selenium	O
	Zinc	O
	Chloroethane	J
	1,4-Dichlorobenzene	J
	Methylene Chloride	J
	Vinyl chloride	J
L354659-07	Arsenic	J
	Selenium	J
	Bromomethane	J4
L354659-08	Lead	J
	Bromomethane	J4
	Methylene Chloride	J
L354659-09	Cobalt	J
	Silver	J
	Copper	O
	Selenium	O
	Zinc	O
	Bromomethane	J4
	Chloroethane	J
	1,4-Dichlorobenzene	J
	cis-1,2-Dichloroethene	J
	Vinyl chloride	J
L354659-10	Vanadium	J
	Bromomethane	J4
L354659-11	Chromium	J
	Cobalt	J
	Vanadium	J
	Cadmium	J
	Selenium	J
	Bromomethane	J4
L354659-12	Bromomethane	J4

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J	(EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.
J4	The associated batch QC was outside the established quality control range for accuracy.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low
O	(ESC) Sample diluted due to matrix interferences that impaired the ability to make an accurate analytical determination. The detection limit is elevated in order to reflect the necessary dilution.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods,it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
07/17/08 at 17:36:01

TSR Signing Reports: 690
R5 - Desired TAT

Sample: L354659-01 Account: SMERLNC Received: 07/11/08 07:45 Due Date: 07/18/08 00:00 RPT Date: 07/17/08 17:34
EDD=SWSL Type (Per client add 8011 targets to V8260AP1)
Sample: L354659-02 Account: SMERLNC Received: 07/11/08 07:45 Due Date: 07/18/08 00:00 RPT Date: 07/17/08 17:34
EDD=SWSL Type (Per client add 8011 targets to V8260AP1)
Sample: L354659-03 Account: SMERLNC Received: 07/11/08 07:45 Due Date: 07/18/08 00:00 RPT Date: 07/17/08 17:34
EDD=SWSL Type (Per client add 8011 targets to V8260AP1)
Sample: L354659-04 Account: SMERLNC Received: 07/11/08 07:45 Due Date: 07/18/08 00:00 RPT Date: 07/17/08 17:34
EDD=SWSL Type (Per client add 8011 targets to V8260AP1)
Sample: L354659-05 Account: SMERLNC Received: 07/11/08 07:45 Due Date: 07/18/08 00:00 RPT Date: 07/17/08 17:34
EDD=SWSL Type (Per client add 8011 targets to V8260AP1)
Sample: L354659-06 Account: SMERLNC Received: 07/11/08 07:45 Due Date: 07/18/08 00:00 RPT Date: 07/17/08 17:34
EDD=SWSL Type (Per client add 8011 targets to V8260AP1)
Sample: L354659-07 Account: SMERLNC Received: 07/11/08 07:45 Due Date: 07/18/08 00:00 RPT Date: 07/17/08 17:34
EDD=SWSL Type (Per client add 8011 targets to V8260AP1)
Sample: L354659-08 Account: SMERLNC Received: 07/11/08 07:45 Due Date: 07/18/08 00:00 RPT Date: 07/17/08 17:34
EDD=SWSL Type (Per client add 8011 targets to V8260AP1)
Sample: L354659-09 Account: SMERLNC Received: 07/11/08 07:45 Due Date: 07/18/08 00:00 RPT Date: 07/17/08 17:34
EDD=SWSL Type (Per client add 8011 targets to V8260AP1)
Sample: L354659-10 Account: SMERLNC Received: 07/11/08 07:45 Due Date: 07/18/08 00:00 RPT Date: 07/17/08 17:34
EDD=SWSL Type (Per client add 8011 targets to V8260AP1)
Sample: L354659-11 Account: SMERLNC Received: 07/11/08 07:45 Due Date: 07/18/08 00:00 RPT Date: 07/17/08 17:34
EDD=SWSL Type (Per client add 8011 targets to V8260AP1)
Sample: L354659-12 Account: SMERLNC Received: 07/11/08 07:45 Due Date: 07/18/08 00:00 RPT Date: 07/17/08 17:34
EDD=SWSL Type (Per client add 8011 targets to V8260AP1)

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L354659

July 17, 2008

Laboratory Blank

Analyte	Result	Units	Date Analyzed	Batch
Barium	< .005	mg/l	07/13/08 16:53	WG371681
Chromium	< .01	mg/l	07/13/08 16:53	WG371681
Cobalt	< .01	mg/l	07/13/08 16:53	WG371681
Lead	< .005	mg/l	07/13/08 16:53	WG371681
Nickel	< .02	mg/l	07/13/08 16:53	WG371681
Silver	< .01	mg/l	07/13/08 16:53	WG371681
Vanadium	< .01	mg/l	07/13/08 16:53	WG371681
Barium	< .005	mg/l	07/14/08 13:59	WG371682
Chromium	< .01	mg/l	07/14/08 13:59	WG371682
Cobalt	< .01	mg/l	07/14/08 13:59	WG371682
Lead	< .005	mg/l	07/14/08 13:59	WG371682
Nickel	< .02	mg/l	07/14/08 13:59	WG371682
Silver	< .01	mg/l	07/14/08 13:59	WG371682
Vanadium	< .01	mg/l	07/14/08 13:59	WG371682
1,1,1,2-Tetrachloroethane	< .001	mg/l	07/14/08 02:23	WG371742
1,1,1-Trichloroethane	< .001	mg/l	07/14/08 02:23	WG371742
1,1,2,2-Tetrachloroethane	< .001	mg/l	07/14/08 02:23	WG371742
1,1,2-Trichloroethane	< .001	mg/l	07/14/08 02:23	WG371742
1,1-Dichloroethane	< .001	mg/l	07/14/08 02:23	WG371742
1,1-Dichloroethene	< .001	mg/l	07/14/08 02:23	WG371742
1,2,3-Trichloropropane	< .001	mg/l	07/14/08 02:23	WG371742
1,2-Dibromo-3-Chloropropane	< .005	mg/l	07/14/08 02:23	WG371742
1,2-Dibromoethane	< .001	mg/l	07/14/08 02:23	WG371742
1,2-Dichlorobenzene	< .001	mg/l	07/14/08 02:23	WG371742
1,2-Dichloroethane	< .001	mg/l	07/14/08 02:23	WG371742
1,2-Dichloropropane	< .001	mg/l	07/14/08 02:23	WG371742
1,4-Dichlorobenzene	< .001	mg/l	07/14/08 02:23	WG371742
2-Butanone (MEK)	< .01	mg/l	07/14/08 02:23	WG371742
2-Hexanone	< .01	mg/l	07/14/08 02:23	WG371742
4-Methyl-2-pentanone (MIBK)	< .01	mg/l	07/14/08 02:23	WG371742
Acetone	< .05	mg/l	07/14/08 02:23	WG371742
Acrylonitrile	< .01	mg/l	07/14/08 02:23	WG371742
Benzene	< .001	mg/l	07/14/08 02:23	WG371742
Bromochloromethane	< .001	mg/l	07/14/08 02:23	WG371742
Bromodichloromethane	< .001	mg/l	07/14/08 02:23	WG371742
Bromoform	< .001	mg/l	07/14/08 02:23	WG371742
Bromomethane	< .005	mg/l	07/14/08 02:23	WG371742
Carbon disulfide	< .001	mg/l	07/14/08 02:23	WG371742
Carbon tetrachloride	< .001	mg/l	07/14/08 02:23	WG371742
Chlorobenzene	< .001	mg/l	07/14/08 02:23	WG371742
Chlorodibromomethane	< .001	mg/l	07/14/08 02:23	WG371742
Chloroethane	< .001	mg/l	07/14/08 02:23	WG371742
Chloroform	< .005	mg/l	07/14/08 02:23	WG371742
Chloromethane	< .001	mg/l	07/14/08 02:23	WG371742
cis-1,2-Dichloroethene	< .001	mg/l	07/14/08 02:23	WG371742
cis-1,3-Dichloropropene	< .001	mg/l	07/14/08 02:23	WG371742
Dibromomethane	< .001	mg/l	07/14/08 02:23	WG371742
Ethylbenzene	< .001	mg/l	07/14/08 02:23	WG371742
Iodomethane	< .01	mg/l	07/14/08 02:23	WG371742
Methylene Chloride	< .005	mg/l	07/14/08 02:23	WG371742
Styrene	< .001	mg/l	07/14/08 02:23	WG371742
Tetrachloroethene	< .001	mg/l	07/14/08 02:23	WG371742
Toluene	< .005	mg/l	07/14/08 02:23	WG371742
trans-1,2-Dichloroethene	< .001	mg/l	07/14/08 02:23	WG371742
trans-1,3-Dichloropropene	< .001	mg/l	07/14/08 02:23	WG371742
trans-1,4-Dichloro-2-butene	< .0025	mg/l	07/14/08 02:23	WG371742
Trichloroethene	< .001	mg/l	07/14/08 02:23	WG371742
Trichlorofluoromethane	< .005	mg/l	07/14/08 02:23	WG371742

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Vinyl acetate	< .01	mg/l	07/14/08 02:23	WG371742

Laboratory Blank

Analyte	Result	Units	Date Analyzed	Batch
Vinyl chloride	< .001	mg/l	07/14/08 02:23	WG371742
Xylenes, Total	< .003	mg/l	07/14/08 02:23	WG371742
Antimony	< .001	mg/l	07/15/08 17:11	WG371785
Arsenic	< .001	mg/l	07/15/08 17:11	WG371785
Beryllium	< .001	mg/l	07/15/08 17:11	WG371785
Cadmium	< .0005	mg/l	07/15/08 17:11	WG371785
Copper	< .001	mg/l	07/15/08 17:11	WG371785
Selenium	< .001	mg/l	07/15/08 17:11	WG371785
Thallium	< .001	mg/l	07/15/08 17:11	WG371785
Zinc	< .01	mg/l	07/15/08 17:11	WG371785
1,1,1,2-Tetrachloroethane	< .001	mg/l	07/14/08 10:32	WG371800
1,1,1-Trichloroethane	< .001	mg/l	07/14/08 10:32	WG371800
1,1,2,2-Tetrachloroethane	< .001	mg/l	07/14/08 10:32	WG371800
1,1,2-Trichloroethane	< .001	mg/l	07/14/08 10:32	WG371800
1,1-Dichloroethane	< .001	mg/l	07/14/08 10:32	WG371800
1,1-Dichloroethene	< .001	mg/l	07/14/08 10:32	WG371800
1,2,3-Trichloropropane	< .001	mg/l	07/14/08 10:32	WG371800
1,2-Dibromo-3-Chloropropane	< .005	mg/l	07/14/08 10:32	WG371800
1,2-Dibromoethane	< .001	mg/l	07/14/08 10:32	WG371800
1,2-Dichlorobenzene	< .001	mg/l	07/14/08 10:32	WG371800
1,2-Dichloroethane	< .001	mg/l	07/14/08 10:32	WG371800
1,2-Dichloropropane	< .001	mg/l	07/14/08 10:32	WG371800
1,4-Dichlorobenzene	< .001	mg/l	07/14/08 10:32	WG371800
2-Butanone (MEK)	< .01	mg/l	07/14/08 10:32	WG371800
2-Hexanone	< .01	mg/l	07/14/08 10:32	WG371800
4-Methyl-2-pentanone (MIBK)	< .01	mg/l	07/14/08 10:32	WG371800
Acetone	< .05	mg/l	07/14/08 10:32	WG371800
Acrylonitrile	< .01	mg/l	07/14/08 10:32	WG371800
Benzene	< .001	mg/l	07/14/08 10:32	WG371800
Bromochloromethane	< .001	mg/l	07/14/08 10:32	WG371800
Bromodichloromethane	< .001	mg/l	07/14/08 10:32	WG371800
Bromoform	< .001	mg/l	07/14/08 10:32	WG371800
Bromomethane	< .005	mg/l	07/14/08 10:32	WG371800
Carbon disulfide	< .001	mg/l	07/14/08 10:32	WG371800
Carbon tetrachloride	< .001	mg/l	07/14/08 10:32	WG371800
Chlorobenzene	< .001	mg/l	07/14/08 10:32	WG371800
Chlorodibromomethane	< .001	mg/l	07/14/08 10:32	WG371800
Chloroethane	< .001	mg/l	07/14/08 10:32	WG371800
Chloroform	< .005	mg/l	07/14/08 10:32	WG371800
Chloromethane	< .001	mg/l	07/14/08 10:32	WG371800
cis-1,2-Dichloroethene	< .001	mg/l	07/14/08 10:32	WG371800
cis-1,3-Dichloropropene	< .001	mg/l	07/14/08 10:32	WG371800
Dibromomethane	< .001	mg/l	07/14/08 10:32	WG371800
Ethylbenzene	< .001	mg/l	07/14/08 10:32	WG371800
Iodomethane	< .01	mg/l	07/14/08 10:32	WG371800
Methylene Chloride	< .005	mg/l	07/14/08 10:32	WG371800
Styrene	< .001	mg/l	07/14/08 10:32	WG371800
Tetrachloroethene	< .001	mg/l	07/14/08 10:32	WG371800
Toluene	< .005	mg/l	07/14/08 10:32	WG371800
trans-1,2-Dichloroethene	< .001	mg/l	07/14/08 10:32	WG371800
trans-1,3-Dichloropropene	< .001	mg/l	07/14/08 10:32	WG371800
trans-1,4-Dichloro-2-butene	< .0025	mg/l	07/14/08 10:32	WG371800
Trichloroethene	< .001	mg/l	07/14/08 10:32	WG371800
Trichlorofluoromethane	< .005	mg/l	07/14/08 10:32	WG371800
Vinyl acetate	< .01	mg/l	07/14/08 10:32	WG371800
Vinyl chloride	< .001	mg/l	07/14/08 10:32	WG371800
Xylenes, Total	< .003	mg/l	07/14/08 10:32	WG371800

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Analyte	Result	Units	Date Analyzed	Batch
cis-1,2-Dichloroethene	< .001	mg/l	07/14/08 23:34	WG371881
Mercury	< .0002	mg/l	07/16/08 18:13	WG371910
Mercury	< .0002	mg/l	07/17/08 10:44	WG372228

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Barium	mg/l	0.156	0.150	3.92	20	L354659-02	WG371681
Chromium	mg/l	0.00	0.00	0.00	20	L354659-02	WG371681
Cobalt	mg/l	0.0287	0.0280	2.47	20	L354659-02	WG371681
Lead	mg/l	0.00	0.00	0.00	20	L354659-02	WG371681
Nickel	mg/l	0.00	0.0180	NA	20	L354659-02	WG371681
Silver	mg/l	0.00	0.00	0.00	20	L354659-02	WG371681
Vanadium	mg/l	0.00	0.00820	NA	20	L354659-02	WG371681
Barium	mg/l	0.178	0.165	7.58	20	L354750-03	WG371682
Chromium	mg/l	0.00	0.00370	NA	20	L354750-03	WG371682
Cobalt	mg/l	0.00	0.00340	NA	20	L354750-03	WG371682
Lead	mg/l	0.00	0.00529	NA	20	L354750-03	WG371682
Nickel	mg/l	0.00	0.00	0.00	20	L354750-03	WG371682
Silver	mg/l	0.00	0.00	0.00	20	L354750-03	WG371682
Vanadium	mg/l	0.00	0.00060	NA	20	L354750-03	WG371682
Antimony	mg/l	0.00	0.00	0.00	20	L354837-01	WG371785
Arsenic	mg/l	0.0110	0.0110	0.00	20	L354837-01	WG371785
Beryllium	mg/l	0.00	0.00006	NA	20	L354837-01	WG371785
Cadmium	mg/l	0.00	0.00	0.00	20	L354837-01	WG371785
Copper	mg/l	0.00	0.00102	NA	20	L354837-01	WG371785
Selenium	mg/l	0.00496	0.00455	8.62	20	L354837-01	WG371785
Thallium	mg/l	0.00	0.00	0.00	20	L354837-01	WG371785
Zinc	mg/l	0.00	0.00470	NA	20	L354837-01	WG371785
Mercury	mg/l	0.00	0.00	0.00	20	L354659-08	WG371910
Mercury	mg/l	0.00	0.00	0.00	20	L354813-02	WG372228

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Barium	mg/l	1.13	1.13	100.	85-115	WG371681
Chromium	mg/l	1.13	1.09	96.5	85-115	WG371681
Cobalt	mg/l	1.13	1.18	104.	85-115	WG371681
Lead	mg/l	1.13	1.18	104.	85-115	WG371681
Nickel	mg/l	1.13	1.07	94.7	85-115	WG371681
Silver	mg/l	1.13	1.08	95.6	85-115	WG371681
Vanadium	mg/l	1.13	1.13	100.	85-115	WG371681
Barium	mg/l	1.13	1.17	104.	85-115	WG371682
Chromium	mg/l	1.13	1.13	100.	85-115	WG371682
Cobalt	mg/l	1.13	1.21	107.	85-115	WG371682
Lead	mg/l	1.13	1.21	107.	85-115	WG371682
Nickel	mg/l	1.13	1.11	98.2	85-115	WG371682
Silver	mg/l	1.13	1.12	99.1	85-115	WG371682
Vanadium	mg/l	1.13	1.17	104.	85-115	WG371682
1,1,1,2-Tetrachloroethane	mg/l	.05	0.0499	99.9	75-134	WG371742
1,1,1-Trichloroethane	mg/l	.05	0.0453	90.7	67-137	WG371742

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1,1,2,2-Tetrachloroethane	mg/l	.05	0.0499	99.9	72-128	WG371742

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
1,1,2-Trichloroethane	mg/l	.05	0.0507	101.	79-123	WG371742
1,1-Dichloroethane	mg/l	.05	0.0473	94.7	67-133	WG371742
1,1-Dichloroethene	mg/l	.05	0.0431	86.2	60-130	WG371742
1,2,3-Trichloropropane	mg/l	.05	0.0477	95.5	68-130	WG371742
1,2-Dibromo-3-Chloropropane	mg/l	.05	0.0527	105.	55-134	WG371742
1,2-Dibromoethane	mg/l	.05	0.0473	94.5	75-126	WG371742
1,2-Dichlorobenzene	mg/l	.05	0.0483	96.6	75-122	WG371742
1,2-Dichloroethane	mg/l	.05	0.0431	86.1	63-137	WG371742
1,2-Dichloropropane	mg/l	.05	0.0480	96.0	74-122	WG371742
1,4-Dichlorobenzene	mg/l	.05	0.0456	91.3	70-121	WG371742
2-Butanone (MEK)	mg/l	.25	0.242	96.7	53-132	WG371742
2-Hexanone	mg/l	.25	0.267	107.	56-147	WG371742
4-Methyl-2-pentanone (MIBK)	mg/l	.25	0.269	108.	60-142	WG371742
Acetone	mg/l	.25	0.217	86.9	48-134	WG371742
Acrylonitrile	mg/l	.25	0.252	101.	60-140	WG371742
Benzene	mg/l	.05	0.0468	93.5	67-126	WG371742
Bromochloromethane	mg/l	.05	0.0482	96.5	75-128	WG371742
Bromodichloromethane	mg/l	.05	0.0472	94.4	68-133	WG371742
Bromoform	mg/l	.05	0.0525	105.	60-139	WG371742
Bromomethane	mg/l	.05	0.0401	80.1	45-175	WG371742
Carbon disulfide	mg/l	.05	0.0379	75.8	41-148	WG371742
Carbon tetrachloride	mg/l	.05	0.0449	89.8	64-141	WG371742
Chlorobenzene	mg/l	.05	0.0485	97.1	77-125	WG371742
Chlorodibromomethane	mg/l	.05	0.0504	101.	73-138	WG371742
Chloroethane	mg/l	.05	0.0462	92.4	49-155	WG371742
Chloroform	mg/l	.05	0.0458	91.6	66-126	WG371742
Chloromethane	mg/l	.05	0.0389	77.9	45-152	WG371742
cis-1,2-Dichloroethene	mg/l	.05	0.0480	96.0	72-128	WG371742
cis-1,3-Dichloropropene	mg/l	.05	0.0484	96.7	73-131	WG371742
Dibromomethane	mg/l	.05	0.0462	92.5	73-125	WG371742
Ethylbenzene	mg/l	.05	0.0495	99.0	76-129	WG371742
Iodomethane	mg/l	.25	0.286	114.	61-148	WG371742
Methylene Chloride	mg/l	.05	0.0477	95.3	64-125	WG371742
Styrene	mg/l	.05	0.0526	105.	78-130	WG371742
Tetrachloroethene	mg/l	.05	0.0454	90.7	67-135	WG371742
Toluene	mg/l	.05	0.0462	92.5	72-122	WG371742
trans-1,2-Dichloroethene	mg/l	.05	0.0444	88.7	67-129	WG371742
trans-1,3-Dichloropropene	mg/l	.05	0.0469	93.9	66-137	WG371742
trans-1,4-Dichloro-2-butene	mg/l	.05	0.0435	87.0	48-139	WG371742
Trichloroethene	mg/l	.05	0.0472	94.5	74-126	WG371742
Trichlorofluoromethane	mg/l	.05	0.0435	86.9	54-156	WG371742
Vinyl acetate	mg/l	.25	0.278	111.	34-178	WG371742
Vinyl chloride	mg/l	.05	0.0413	82.7	55-153	WG371742
Xylenes, Total	mg/l	.15	0.149	99.2	75-128	WG371742
Antimony	mg/l	.0567	0.0540	95.2	85-115	WG371785
Arsenic	mg/l	.0567	0.0547	96.5	85-115	WG371785
Beryllium	mg/l	.0567	0.0489	86.2	85-115	WG371785
Cadmium	mg/l	.0567	0.0543	95.8	85-115	WG371785
Copper	mg/l	.0567	0.0544	95.9	85-115	WG371785
Selenium	mg/l	.0567	0.0526	92.8	85-115	WG371785
Thallium	mg/l	.0567	0.0529	93.3	85-115	WG371785
Zinc	mg/l	.0567	0.0510	89.9	85-115	WG371785
1,1,1,2-Tetrachloroethane	mg/l	.05	0.0571	114.	75-134	WG371800
1,1,1-Trichloroethane	mg/l	.05	0.0544	109.	67-137	WG371800
1,1,2,2-Tetrachloroethane	mg/l	.05	0.0590	118.	72-128	WG371800
1,1,2-Trichloroethane	mg/l	.05	0.0530	106.	79-123	WG371800
1,1-Dichloroethane	mg/l	.05	0.0488	97.5	67-133	WG371800

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Level II

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July 17, 2008

1,1-Dichloroethene	mg/l	.05	0.0473	94.5	60-130	WG371800

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
1,2,3-Trichloropropane	mg/l	.05	0.0545	109.	68-130	WG371800
1,2-Dibromo-3-Chloropropane	mg/l	.05	0.0578	116.	55-134	WG371800
1,2-Dibromoethane	mg/l	.05	0.0517	103.	75-126	WG371800
1,2-Dichlorobenzene	mg/l	.05	0.0503	101.	75-122	WG371800
1,2-Dichloroethane	mg/l	.05	0.0442	88.4	63-137	WG371800
1,2-Dichloropropane	mg/l	.05	0.0477	95.5	74-122	WG371800
1,4-Dichlorobenzene	mg/l	.05	0.0473	94.6	70-121	WG371800
2-Butanone (MEK)	mg/l	.25	0.239	95.7	53-132	WG371800
2-Hexanone	mg/l	.25	0.325	130.	56-147	WG371800
4-Methyl-2-pentanone (MIBK)	mg/l	.25	0.273	109.	60-142	WG371800
Acetone	mg/l	.25	0.244	97.5	48-134	WG371800
Acrylonitrile	mg/l	.25	0.257	103.	60-140	WG371800
Benzene	mg/l	.05	0.0441	88.1	67-126	WG371800
Bromochloromethane	mg/l	.05	0.0435	86.9	75-128	WG371800
Bromodichloromethane	mg/l	.05	0.0516	103.	68-133	WG371800
Bromoform	mg/l	.05	0.0575	115.	60-139	WG371800
Bromomethane	mg/l	.05	0.0171	34.1	45-175	WG371800
Carbon disulfide	mg/l	.05	0.0300	60.1	41-148	WG371800
Carbon tetrachloride	mg/l	.05	0.0523	105.	64-141	WG371800
Chlorobenzene	mg/l	.05	0.0518	104.	77-125	WG371800
Chlorodibromomethane	mg/l	.05	0.0582	116.	73-138	WG371800
Chloroethane	mg/l	.05	0.0392	78.4	49-155	WG371800
Chloroform	mg/l	.05	0.0491	98.3	66-126	WG371800
Chloromethane	mg/l	.05	0.0611	122.	45-152	WG371800
cis-1,2-Dichloroethene	mg/l	.05	0.0459	91.7	72-128	WG371800
cis-1,3-Dichloropropene	mg/l	.05	0.0467	93.4	73-131	WG371800
Dibromomethane	mg/l	.05	0.0452	90.5	73-125	WG371800
Ethylbenzene	mg/l	.05	0.0546	109.	76-129	WG371800
Iodomethane	mg/l	.25	0.203	81.1	61-148	WG371800
Methylene Chloride	mg/l	.05	0.0420	84.0	64-125	WG371800
Styrene	mg/l	.05	0.0572	114.	78-130	WG371800
Tetrachloroethene	mg/l	.05	0.0536	107.	67-135	WG371800
Toluene	mg/l	.05	0.0472	94.5	72-122	WG371800
trans-1,2-Dichloroethene	mg/l	.05	0.0435	87.1	67-129	WG371800
trans-1,3-Dichloropropene	mg/l	.05	0.0428	85.6	66-137	WG371800
trans-1,4-Dichloro-2-butene	mg/l	.05	0.0401	80.2	48-139	WG371800
Trichloroethene	mg/l	.05	0.0479	95.9	74-126	WG371800
Trichlorofluoromethane	mg/l	.05	0.0400	79.9	54-156	WG371800
Vinyl acetate	mg/l	.25	0.295	118.	34-178	WG371800
Vinyl chloride	mg/l	.05	0.0390	78.1	55-153	WG371800
Xylenes, Total	mg/l	.15	0.157	104.	75-128	WG371800
cis-1,2-Dichloroethene	mg/l	.05	0.0450	90.1	72-128	WG371881
Mercury	mg/l	.003	0.00284	94.7	85-115	WG371910
Mercury	mg/l	.003	0.00270	90.0	85-115	WG372228

Laboratory Control Sample Duplicate

Analyte	Units	LCSD Res	Ref Res	RPD	Limit	%Rec	Batch
1,1,1,2-Tetrachloroethane	mg/l	0.0503	0.0499	0.675	20	101	WG371742
1,1,1-Trichloroethane	mg/l	0.0445	0.0453	1.78	20	89	WG371742
1,1,2,2-Tetrachloroethane	mg/l	0.0495	0.0499	0.920	20	99	WG371742
1,1,2-Trichloroethane	mg/l	0.0497	0.0507	2.11	20	99	WG371742
1,1-Dichloroethane	mg/l	0.0457	0.0473	3.57	20	91	WG371742
1,1-Dichloroethene	mg/l	0.0420	0.0431	2.68	20	84	WG371742
1,2,3-Trichloropropane	mg/l	0.0473	0.0477	0.802	20	95	WG371742
1,2-Dibromo-3-Chloropropane	mg/l	0.0500	0.0527	5.12	20	100	WG371742

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1,2-Dibromoethane	mg/l	0.0469	0.0473	0.804	20	94	WG371742

Laboratory Control Sample Duplicate

Analyte	Units	LCSD Res	Ref Res	RPD	Limit	%Rec	Batch
1,2-Dichlorobenzene	mg/l	0.0479	0.0483	0.841	20	96	WG371742
1,2-Dichloroethane	mg/l	0.0413	0.0431	4.09	20	83	WG371742
1,2-Dichloropropane	mg/l	0.0466	0.0480	2.89	20	93	WG371742
1,4-Dichlorobenzene	mg/l	0.0455	0.0456	0.362	20	91	WG371742
2-Butanone (MEK)	mg/l	0.230	0.242	4.82	20	92	WG371742
2-Hexanone	mg/l	0.270	0.267	1.19	20	108	WG371742
4-Methyl-2-pentanone (MIBK)	mg/l	0.269	0.269	0.0774	20	108	WG371742
Acetone	mg/l	0.204	0.217	6.19	20	82	WG371742
Acrylonitrile	mg/l	0.243	0.252	3.59	20	97	WG371742
Benzene	mg/l	0.0454	0.0468	2.99	20	91	WG371742
Bromochloromethane	mg/l	0.0476	0.0482	1.39	20	95	WG371742
Bromodichloromethane	mg/l	0.0476	0.0472	0.865	20	95	WG371742
Bromoform	mg/l	0.0524	0.0525	0.152	20	105	WG371742
Bromomethane	mg/l	0.0384	0.0401	4.24	20	77	WG371742
Carbon disulfide	mg/l	0.0363	0.0379	4.17	20	73	WG371742
Carbon tetrachloride	mg/l	0.0444	0.0449	1.15	20	89	WG371742
Chlorobenzene	mg/l	0.0485	0.0485	0.0064	20	97	WG371742
Chlorodibromomethane	mg/l	0.0502	0.0504	0.394	20	100	WG371742
Chloroethane	mg/l	0.0433	0.0462	6.38	20	87	WG371742
Chloroform	mg/l	0.0443	0.0458	3.42	20	89	WG371742
Chloromethane	mg/l	0.0372	0.0389	4.43	20	74	WG371742
cis-1,2-Dichloroethene	mg/l	0.0471	0.0480	1.86	20	94	WG371742
cis-1,3-Dichloropropene	mg/l	0.0483	0.0484	0.0320	20	97	WG371742
Dibromomethane	mg/l	0.0457	0.0462	1.08	20	91	WG371742
Ethylbenzene	mg/l	0.0497	0.0495	0.319	20	99	WG371742
Iodomethane	mg/l	0.280	0.286	2.01	20	112	WG371742
Methylene Chloride	mg/l	0.0464	0.0477	2.58	20	93	WG371742
Styrene	mg/l	0.0512	0.0526	2.73	20	102	WG371742
Tetrachloroethene	mg/l	0.0449	0.0454	1.04	20	90	WG371742
Toluene	mg/l	0.0460	0.0462	0.524	20	92	WG371742
trans-1,2-Dichloroethene	mg/l	0.0424	0.0444	4.46	20	85	WG371742
trans-1,3-Dichloropropene	mg/l	0.0447	0.0469	4.94	20	89	WG371742
trans-1,4-Dichloro-2-butene	mg/l	0.0422	0.0435	2.94	20	84	WG371742
Trichloroethene	mg/l	0.0468	0.0472	0.947	20	94	WG371742
Trichlorofluoromethane	mg/l	0.0417	0.0435	4.06	20	83	WG371742
Vinyl acetate	mg/l	0.267	0.278	3.93	26	107	WG371742
Vinyl chloride	mg/l	0.0397	0.0413	4.08	20	79	WG371742
Xylenes, Total	mg/l	0.149	0.149	0.0878	20	99	WG371742
1,1,1,2-Tetrachloroethane	mg/l	0.0528	0.0571	7.80	20	106	WG371800
1,1,1-Trichloroethane	mg/l	0.0516	0.0544	5.46	20	103	WG371800
1,1,2,2-Tetrachloroethane	mg/l	0.0586	0.0590	0.710	20	117	WG371800
1,1,2-Trichloroethane	mg/l	0.0528	0.0530	0.521	20	106	WG371800
1,1-Dichloroethane	mg/l	0.0481	0.0488	1.44	20	96	WG371800
1,1-Dichloroethene	mg/l	0.0450	0.0473	4.91	20	90	WG371800
1,2,3-Trichloropropane	mg/l	0.0542	0.0545	0.548	20	108	WG371800
1,2-Dibromo-3-Chloropropane	mg/l	0.0569	0.0578	1.56	20	114	WG371800
1,2-Dibromoethane	mg/l	0.0518	0.0517	0.216	20	104	WG371800
1,2-Dichlorobenzene	mg/l	0.0490	0.0503	2.78	20	98	WG371800
1,2-Dichloroethane	mg/l	0.0476	0.0442	7.50	20	95	WG371800
1,2-Dichloropropane	mg/l	0.0479	0.0477	0.359	20	96	WG371800
1,4-Dichlorobenzene	mg/l	0.0445	0.0473	6.13	20	89	WG371800
2-Butanone (MEK)	mg/l	0.254	0.239	5.92	20	102	WG371800
2-Hexanone	mg/l	0.328	0.325	0.790	20	131	WG371800
4-Methyl-2-pentanone (MIBK)	mg/l	0.297	0.273	8.26	20	119	WG371800
Acetone	mg/l	0.273	0.244	11.5	20	109	WG371800
Acrylonitrile	mg/l	0.289	0.257	11.9	20	116	WG371800
Benzene	mg/l	0.0435	0.0441	1.41	20	87	WG371800
Bromochloromethane	mg/l	0.0459	0.0435	5.35	20	92	WG371800

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Bromodichloromethane	mg/l	0.0522	0.0516	1.30	20	104	WG371800

Laboratory Control Sample Duplicate

Analyte	Units	LCSD Res	Ref Res	RPD	Limit	%Rec	Batch
Bromoform	mg/l	0.0578	0.0575	0.514	20	116	WG371800
Bromomethane	mg/l	0.0170	0.0171	0.398	20	34	WG371800
Carbon disulfide	mg/l	0.0283	0.0300	5.89	20	57	WG371800
Carbon tetrachloride	mg/l	0.0493	0.0523	5.93	20	99	WG371800
Chlorobenzene	mg/l	0.0471	0.0518	9.39	20	94	WG371800
Chlorodibromomethane	mg/l	0.0564	0.0582	3.01	20	113	WG371800
Chloroethane	mg/l	0.0374	0.0392	4.60	20	75	WG371800
Chloroform	mg/l	0.0492	0.0491	0.169	20	98	WG371800
Chloromethane	mg/l	0.0591	0.0611	3.26	20	118	WG371800
cis-1,2-Dichloroethene	mg/l	0.0460	0.0459	0.209	20	92	WG371800
cis-1,3-Dichloropropene	mg/l	0.0476	0.0467	1.96	20	95	WG371800
Dibromomethane	mg/l	0.0474	0.0452	4.72	20	95	WG371800
Ethylbenzene	mg/l	0.0473	0.0546	14.3	20	95	WG371800
Iodomethane	mg/l	0.194	0.203	4.22	20	78	WG371800
Methylene Chloride	mg/l	0.0434	0.0420	3.17	20	87	WG371800
Styrene	mg/l	0.0525	0.0572	8.50	20	105	WG371800
Tetrachloroethene	mg/l	0.0461	0.0536	15.1	20	92	WG371800
Toluene	mg/l	0.0445	0.0472	5.90	20	89	WG371800
trans-1,2-Dichloroethene	mg/l	0.0411	0.0435	5.68	20	82	WG371800
trans-1,3-Dichloropropene	mg/l	0.0443	0.0428	3.46	20	89	WG371800
trans-1,4-Dichloro-2-butene	mg/l	0.0414	0.0401	3.32	20	83	WG371800
Trichloroethene	mg/l	0.0443	0.0479	7.87	20	89	WG371800
Trichlorofluoromethane	mg/l	0.0375	0.0400	6.32	20	75	WG371800
Vinyl acetate	mg/l	0.324	0.295	9.49	26	130	WG371800
Vinyl chloride	mg/l	0.0369	0.0390	5.54	20	74	WG371800
Xylenes, Total	mg/l	0.138	0.157	12.5	20	92	WG371800
cis-1,2-Dichloroethene	mg/l	0.0449	0.0450	0.279	20	90	WG371881

Matrix Spike

Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Barium	mg/l	1.27	0.150	1.13	99.1	75-125	L354659-02	WG371681
Chromium	mg/l	1.07	0.00	1.13	94.7	75-125	L354659-02	WG371681
Cobalt	mg/l	1.20	0.0280	1.13	104.	75-125	L354659-02	WG371681
Lead	mg/l	1.16	0.00	1.13	103.	75-125	L354659-02	WG371681
Nickel	mg/l	1.12	0.0180	1.13	97.5	75-125	L354659-02	WG371681
Silver	mg/l	0.140	0.00	1.13	12.4	75-125	L354659-02	WG371681
Vanadium	mg/l	1.12	0.0082	1.13	98.4	75-125	L354659-02	WG371681
Barium	mg/l	1.37	0.165	.226	107.	75-125	L354750-03	WG371682
Chromium	mg/l	1.13	0.0037	.226	99.7	75-125	L354750-03	WG371682
Cobalt	mg/l	1.23	0.0034	.226	109.	75-125	L354750-03	WG371682
Lead	mg/l	1.20	0.0052	.226	106.	75-125	L354750-03	WG371682
Nickel	mg/l	1.08	0.00	.226	95.6	75-125	L354750-03	WG371682
Silver	mg/l	1.17	0.00	.226	104.	75-125	L354750-03	WG371682
Vanadium	mg/l	1.25	0.0006	.226	111.	75-125	L354750-03	WG371682
1,1,1,2-Tetrachloroethane	mg/l	0.0452	0.00	.05	90.3	45-152	L354659-06	WG371742
1,1,1-Trichloroethane	mg/l	0.0422	0.00	.05	84.4	31-161	L354659-06	WG371742
1,1,2,2-Tetrachloroethane	mg/l	0.0467	0.00	.05	93.4	49-149	L354659-06	WG371742
1,1,2-Trichloroethane	mg/l	0.0466	0.00	.05	93.1	46-145	L354659-06	WG371742
1,1-Dichloroethane	mg/l	0.0436	0.00	.05	87.2	30-159	L354659-06	WG371742
1,1-Dichloroethene	mg/l	0.0396	0.00	.05	79.3	10-162	L354659-06	WG371742
1,2,3-Trichloropropane	mg/l	0.0427	0.00	.05	85.3	48-148	L354659-06	WG371742
1,2-Dibromo-3-Chloropropane	mg/l	0.0475	0.00	.05	95.1	37-148	L354659-06	WG371742
1,2-Dibromoethane	mg/l	0.0445	0.00	.05	89.0	41-149	L354659-06	WG371742
1,2-Dichlorobenzene	mg/l	0.0464	0.00	.05	92.9	40-139	L354659-06	WG371742
1,2-Dichloroethane	mg/l	0.0381	0.00	.05	76.1	29-167	L354659-06	WG371742

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1,2-Dichloropropane	mg/l	0.0466	0.00	.05	93.2	39-148	L354659-06	WG371742

		Matrix Spike						
Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
1,4-Dichlorobenzene	mg/l	0.0442	0.0005	.05	87.2	32-136	L354659-06	WG371742
2-Butanone (MEK)	mg/l	0.214	0.00	.25	85.4	32-151	L354659-06	WG371742
2-Hexanone	mg/l	0.240	0.00	.25	96.1	41-155	L354659-06	WG371742
4-Methyl-2-pentanone (MIBK)	mg/l	0.250	0.00	.25	100.	40-160	L354659-06	WG371742
Acetone	mg/l	0.178	0.00	.25	71.4	25-157	L354659-06	WG371742
Acrylonitrile	mg/l	0.227	0.00	.25	91.0	37-162	L354659-06	WG371742
Benzene	mg/l	0.0446	0.0013	.05	86.5	16-158	L354659-06	WG371742
Bromochloromethane	mg/l	0.0453	0.00	.05	90.6	36-154	L354659-06	WG371742
Bromodichloromethane	mg/l	0.0469	0.00	.05	93.8	45-147	L354659-06	WG371742
Bromoform	mg/l	0.0469	0.00	.05	93.7	38-152	L354659-06	WG371742
Bromomethane	mg/l	0.0356	0.00	.05	71.2	0-191	L354659-06	WG371742
Carbon disulfide	mg/l	0.0381	0.00	.05	76.2	10-166	L354659-06	WG371742
Carbon tetrachloride	mg/l	0.0423	0.00	.05	84.6	22-168	L354659-06	WG371742
Chlorobenzene	mg/l	0.0482	0.0016	.05	93.2	33-148	L354659-06	WG371742
Chlorodibromomethane	mg/l	0.0466	0.00	.05	93.2	48-151	L354659-06	WG371742
Chloroethane	mg/l	0.0407	0.0034	.05	74.7	4-176	L354659-06	WG371742
Chloroform	mg/l	0.0420	0.00	.05	84.1	37-147	L354659-06	WG371742
Chloromethane	mg/l	0.0351	0.00	.05	70.2	10-174	L354659-06	WG371742
cis-1,2-Dichloroethene	mg/l	0.0459	0.0006	.05	90.5	29-156	L354659-06	WG371742
cis-1,3-Dichloropropene	mg/l	0.0469	0.00	.05	93.8	35-148	L354659-06	WG371742
Dibromomethane	mg/l	0.0444	0.00	.05	88.7	36-152	L354659-06	WG371742
Ethylbenzene	mg/l	0.0477	0.00	.05	95.4	29-150	L354659-06	WG371742
Iodomethane	mg/l	0.250	0.00	.25	99.9	9-169	L354659-06	WG371742
Methylene Chloride	mg/l	0.0416	0.0003	.05	82.5	23-151	L354659-06	WG371742
Styrene	mg/l	0.0485	0.00	.05	96.9	38-149	L354659-06	WG371742
Tetrachloroethene	mg/l	0.0434	0.00	.05	86.8	13-157	L354659-06	WG371742
Toluene	mg/l	0.0456	0.00	.05	91.2	22-152	L354659-06	WG371742
trans-1,2-Dichloroethene	mg/l	0.0414	0.00	.05	82.8	11-160	L354659-06	WG371742
trans-1,3-Dichloropropene	mg/l	0.0458	0.00	.05	91.6	33-153	L354659-06	WG371742
trans-1,4-Dichloro-2-butene	mg/l	0.0498	0.00	.05	99.5	19-151	L354659-06	WG371742
Trichloroethene	mg/l	0.0464	0.00	.05	92.7	18-163	L354659-06	WG371742
Trichlorofluoromethane	mg/l	0.0398	0.00	.05	79.6	10-177	L354659-06	WG371742
Vinyl acetate	mg/l	0.282	0.00	.25	113.	0-196	L354659-06	WG371742
Vinyl chloride	mg/l	0.0387	0.0004	.05	76.6	0-179	L354659-06	WG371742
Xylenes, Total	mg/l	0.143	0.00	.15	95.3	27-151	L354659-06	WG371742
Antimony	mg/l	0.0585	0.00	.0567	103.	75-125	L354837-01	WG371785
Arsenic	mg/l	0.0671	0.0110	.0567	98.9	75-125	L354837-01	WG371785
Beryllium	mg/l	0.0510	0.0000	.0567	89.8	75-125	L354837-01	WG371785
Cadmium	mg/l	0.0571	0.00	.0567	101.	75-125	L354837-01	WG371785
Copper	mg/l	0.0547	0.0010	.0567	94.7	75-125	L354837-01	WG371785
Selenium	mg/l	0.0589	0.0045	.0567	95.9	75-125	L354837-01	WG371785
Thallium	mg/l	0.0517	0.00	.0567	91.2	75-125	L354837-01	WG371785
Zinc	mg/l	0.0632	0.0047	.0567	103.	75-125	L354837-01	WG371785
1,1,1,2-Tetrachloroethane	mg/l	0.0618	0.00	.05	124.	45-152	L354163-07	WG371800
1,1,1-Trichloroethane	mg/l	0.0649	0.00	.05	130.	31-161	L354163-07	WG371800
1,1,2,2-Tetrachloroethane	mg/l	0.0633	0.00	.05	127.	49-149	L354163-07	WG371800
1,1,2-Trichloroethane	mg/l	0.0592	0.00	.05	118.	46-145	L354163-07	WG371800
1,1-Dichloroethane	mg/l	0.0585	0.00	.05	117.	30-159	L354163-07	WG371800
1,1-Dichloroethene	mg/l	0.0612	0.00	.05	122.	10-162	L354163-07	WG371800
1,2,3-Trichloropropane	mg/l	0.0578	0.00	.05	116.	48-148	L354163-07	WG371800
1,2-Dibromo-3-Chloropropane	mg/l	0.0614	0.00	.05	123.	37-148	L354163-07	WG371800
1,2-Dibromoethane	mg/l	0.0605	0.00	.05	121.	41-149	L354163-07	WG371800
1,2-Dichlorobenzene	mg/l	0.0556	0.00	.05	111.	40-139	L354163-07	WG371800
1,2-Dichloroethane	mg/l	0.0554	0.00	.05	111.	29-167	L354163-07	WG371800
1,2-Dichloropropane	mg/l	0.0562	0.00	.05	112.	39-148	L354163-07	WG371800
1,4-Dichlorobenzene	mg/l	0.0526	0.00	.05	105.	32-136	L354163-07	WG371800
2-Butanone (MEK)	mg/l	0.281	0.00	.25	112.	32-151	L354163-07	WG371800

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2-Hexanone	mg/l	0.349	0.00	.25	140.	41-155	L354163-07	WG371800

Matrix Spike

Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
4-Methyl-2-pentanone (MIBK)	mg/l	0.311	0.00	.25	124.	40-160	L354163-07	WG371800
Acetone	mg/l	0.275	0.00	.25	110.	25-157	L354163-07	WG371800
Acrylonitrile	mg/l	0.308	0.00	.25	123.	37-162	L354163-07	WG371800
Benzene	mg/l	0.0543	0.00	.05	109.	16-158	L354163-07	WG371800
Bromochloromethane	mg/l	0.0536	0.00	.05	107.	36-154	L354163-07	WG371800
Bromodichloromethane	mg/l	0.0605	0.00	.05	121.	45-147	L354163-07	WG371800
Bromoform	mg/l	0.0647	0.00	.05	129.	38-152	L354163-07	WG371800
Bromomethane	mg/l	0.0235	0.00	.05	46.9	0-191	L354163-07	WG371800
Carbon disulfide	mg/l	0.0529	0.0007	.05	104.	10-166	L354163-07	WG371800
Carbon tetrachloride	mg/l	0.0647	0.00	.05	129.	22-168	L354163-07	WG371800
Chlorobenzene	mg/l	0.0574	0.00	.05	115.	33-148	L354163-07	WG371800
Chlorodibromomethane	mg/l	0.0636	0.00	.05	127.	48-151	L354163-07	WG371800
Chloroethane	mg/l	0.0495	0.00	.05	99.0	4-176	L354163-07	WG371800
Chloroform	mg/l	0.0582	0.00	.05	116.	37-147	L354163-07	WG371800
Chloromethane	mg/l	0.0761	0.00	.05	152.	10-174	L354163-07	WG371800
cis-1,2-Dichloroethene	mg/l	0.0593	0.0039	.05	111.	29-156	L354163-07	WG371800
cis-1,3-Dichloropropene	mg/l	0.0562	0.00	.05	112.	35-148	L354163-07	WG371800
Dibromomethane	mg/l	0.0555	0.00	.05	111.	36-152	L354163-07	WG371800
Ethylbenzene	mg/l	0.0597	0.00	.05	119.	29-150	L354163-07	WG371800
Iodomethane	mg/l	0.269	0.0004	.25	107.	9-169	L354163-07	WG371800
Methylene Chloride	mg/l	0.0505	0.00	.05	101.	23-151	L354163-07	WG371800
Styrene	mg/l	0.0635	0.00	.05	127.	38-149	L354163-07	WG371800
Tetrachloroethene	mg/l	0.0708	0.0096	.05	122.	13-157	L354163-07	WG371800
Toluene	mg/l	0.0564	0.00	.05	113.	22-152	L354163-07	WG371800
trans-1,2-Dichloroethene	mg/l	0.0570	0.00	.05	114.	11-160	L354163-07	WG371800
trans-1,3-Dichloropropene	mg/l	0.0517	0.00	.05	103.	33-153	L354163-07	WG371800
trans-1,4-Dichloro-2-butene	mg/l	0.0582	0.00	.05	116.	19-151	L354163-07	WG371800
Trichloroethene	mg/l	0.0619	0.0049	.05	114.	18-163	L354163-07	WG371800
Trichlorofluoromethane	mg/l	0.0508	0.00	.05	102.	10-177	L354163-07	WG371800
Vinyl acetate	mg/l	0.341	0.00	.25	137.	0-196	L354163-07	WG371800
Vinyl chloride	mg/l	0.0521	0.00	.05	104.	0-179	L354163-07	WG371800
Xylenes, Total	mg/l	0.173	0.00	.15	116.	27-151	L354163-07	WG371800
cis-1,2-Dichloroethene	mg/l	0.0507	0.0046	.05	92.3	29-156	L353928-03	WG371881
Mercury	mg/l	0.0028	0.00	.003	93.7	70-130	L354659-08	WG371910
Mercury	mg/l	0.0023	0.00	.003	78.0	70-130	L354813-02	WG372228

Matrix Spike Duplicate

Analyte	Units	MSD Res	Ref Res	RPD	Limit	%Rec	Ref Samp	Batch
Barium	mg/l	1.26	1.27	0.791	20	98.2	L354659-02	WG371681
Chromium	mg/l	1.08	1.07	0.930	20	95.6	L354659-02	WG371681
Cobalt	mg/l	1.18	1.20	1.68	20	102.	L354659-02	WG371681
Lead	mg/l	1.17	1.16	0.858	20	104.	L354659-02	WG371681
Nickel	mg/l	1.10	1.12	1.80	20	95.8	L354659-02	WG371681
Silver	mg/l	0.147	0.140	4.88	20	13.0	L354659-02	WG371681
Vanadium	mg/l	1.11	1.12	0.897	20	97.5	L354659-02	WG371681
Barium	mg/l	1.38	1.37	0.727	20	108.	L354750-03	WG371682
Chromium	mg/l	1.14	1.13	0.881	20	101.	L354750-03	WG371682
Cobalt	mg/l	1.23	1.23	0.00	20	109.	L354750-03	WG371682
Lead	mg/l	1.21	1.20	0.830	20	107.	L354750-03	WG371682
Nickel	mg/l	1.08	1.08	0.00	20	95.6	L354750-03	WG371682
Silver	mg/l	1.20	1.17	2.53	20	106.	L354750-03	WG371682
Vanadium	mg/l	1.25	1.25	0.00	20	111.	L354750-03	WG371682
1,1,1,2-Tetrachloroethane	mg/l	0.0478	0.0452	5.58	21	95.5	L354659-06	WG371742

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1,1,1-Trichloroethane	mg/l	0.0441	0.0422	4.46	23	88.3	L354659-06	WG371742

Matrix Spike Duplicate

Analyte	Units	MSD Res	Ref Res	RPD	Limit	%Rec	Ref Samp	Batch
1,1,2,2-Tetrachloroethane	mg/l	0.0493	0.0467	5.32	22	98.6	L354659-06	WG371742
1,1,2-Trichloroethane	mg/l	0.0481	0.0466	3.17	20	96.1	L354659-06	WG371742
1,1-Dichloroethane	mg/l	0.0458	0.0436	4.86	21	91.6	L354659-06	WG371742
1,1-Dichloroethene	mg/l	0.0415	0.0396	4.62	23	83.0	L354659-06	WG371742
1,2,3-Trichloropropane	mg/l	0.0475	0.0427	10.8	23	95.1	L354659-06	WG371742
1,2-Dibromo-3-Chloropropane	mg/l	0.0482	0.0475	1.37	27	96.4	L354659-06	WG371742
1,2-Dibromoethane	mg/l	0.0464	0.0445	4.17	21	92.8	L354659-06	WG371742
1,2-Dichlorobenzene	mg/l	0.0488	0.0464	5.07	23	97.7	L354659-06	WG371742
1,2-Dichloroethane	mg/l	0.0411	0.0381	7.65	21	82.2	L354659-06	WG371742
1,2-Dichloropropane	mg/l	0.0471	0.0466	1.10	20	94.2	L354659-06	WG371742
1,4-Dichlorobenzene	mg/l	0.0476	0.0442	7.47	23	94.1	L354659-06	WG371742
2-Butanone (MEK)	mg/l	0.230	0.214	7.45	26	92.0	L354659-06	WG371742
2-Hexanone	mg/l	0.257	0.240	6.70	28	103.	L354659-06	WG371742
4-Methyl-2-pentanone (MIBK)	mg/l	0.262	0.250	4.66	28	105.	L354659-06	WG371742
Acetone	mg/l	0.197	0.178	9.85	26	78.8	L354659-06	WG371742
Acrylonitrile	mg/l	0.247	0.227	8.16	24	98.7	L354659-06	WG371742
Benzene	mg/l	0.0466	0.0446	4.38	21	90.5	L354659-06	WG371742
Bromochloromethane	mg/l	0.0474	0.0453	4.54	21	94.8	L354659-06	WG371742
Bromodichloromethane	mg/l	0.0476	0.0469	1.41	20	95.1	L354659-06	WG371742
Bromoform	mg/l	0.0517	0.0469	9.81	20	103.	L354659-06	WG371742
Bromomethane	mg/l	0.0381	0.0356	6.87	35	76.2	L354659-06	WG371742
Carbon disulfide	mg/l	0.0398	0.0381	4.25	25	79.5	L354659-06	WG371742
Carbon tetrachloride	mg/l	0.0444	0.0423	4.86	24	88.9	L354659-06	WG371742
Chlorobenzene	mg/l	0.0493	0.0482	2.31	22	95.4	L354659-06	WG371742
Chlorodibromomethane	mg/l	0.0470	0.0466	0.933	21	94.1	L354659-06	WG371742
Chloroethane	mg/l	0.0440	0.0407	7.57	27	81.1	L354659-06	WG371742
Chloroform	mg/l	0.0437	0.0420	3.85	21	87.4	L354659-06	WG371742
Chloromethane	mg/l	0.0353	0.0351	0.644	28	70.7	L354659-06	WG371742
cis-1,2-Dichloroethene	mg/l	0.0483	0.0459	4.99	22	95.2	L354659-06	WG371742
cis-1,3-Dichloropropene	mg/l	0.0473	0.0469	0.953	21	94.7	L354659-06	WG371742
Dibromomethane	mg/l	0.0470	0.0444	5.82	20	94.0	L354659-06	WG371742
Ethylbenzene	mg/l	0.0486	0.0477	1.79	24	97.1	L354659-06	WG371742
Iodomethane	mg/l	0.278	0.250	10.8	27	111.	L354659-06	WG371742
Methylene Chloride	mg/l	0.0438	0.0416	5.05	21	86.8	L354659-06	WG371742
Styrene	mg/l	0.0524	0.0485	7.82	23	105.	L354659-06	WG371742
Tetrachloroethene	mg/l	0.0443	0.0434	1.90	24	88.5	L354659-06	WG371742
Toluene	mg/l	0.0459	0.0456	0.680	22	91.8	L354659-06	WG371742
trans-1,2-Dichloroethene	mg/l	0.0431	0.0414	3.96	23	86.2	L354659-06	WG371742
trans-1,3-Dichloropropene	mg/l	0.0461	0.0458	0.582	22	92.1	L354659-06	WG371742
trans-1,4-Dichloro-2-butene	mg/l	0.0514	0.0498	3.26	29	103.	L354659-06	WG371742
Trichloroethene	mg/l	0.0462	0.0464	0.409	21	92.3	L354659-06	WG371742
Trichlorofluoromethane	mg/l	0.0416	0.0398	4.57	24	83.3	L354659-06	WG371742
Vinyl acetate	mg/l	0.300	0.282	5.90	26	120.	L354659-06	WG371742
Vinyl chloride	mg/l	0.0407	0.0387	4.89	26	80.4	L354659-06	WG371742
Xylenes, Total	mg/l	0.147	0.143	2.85	23	98.0	L354659-06	WG371742
Antimony	mg/l	0.0572	0.0585	2.25	20	101.	L354837-01	WG371785
Arsenic	mg/l	0.0658	0.0671	1.96	20	96.6	L354837-01	WG371785
Beryllium	mg/l	0.0506	0.0510	0.787	20	89.1	L354837-01	WG371785
Cadmium	mg/l	0.0559	0.0571	2.12	20	98.6	L354837-01	WG371785
Copper	mg/l	0.0531	0.0547	2.97	20	91.9	L354837-01	WG371785
Selenium	mg/l	0.0586	0.0589	0.511	20	95.3	L354837-01	WG371785
Thallium	mg/l	0.0504	0.0517	2.55	20	88.9	L354837-01	WG371785
Zinc	mg/l	0.0656	0.0632	3.73	20	107.	L354837-01	WG371785
1,1,1,2-Tetrachloroethane	mg/l	0.0644	0.0618	4.09	21	129.	L354163-07	WG371800
1,1,1-Trichloroethane	mg/l	0.0705	0.0649	8.37	23	141.	L354163-07	WG371800
1,1,2,2-Tetrachloroethane	mg/l	0.0671	0.0633	5.87	22	134.	L354163-07	WG371800
1,1,2-Trichloroethane	mg/l	0.0623	0.0592	5.15	20	125.	L354163-07	WG371800

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1,1-Dichloroethane	mg/l	0.0645	0.0585	9.79	21	129.	L354163-07	WG371800

Matrix Spike Duplicate

Analyte	Units	MSD Res	Ref Res	RPD	Limit	%Rec	Ref Samp	Batch
1,1-Dichloroethene	mg/l	0.0661	0.0612	7.73	23	132.	L354163-07	WG371800
1,2,3-Trichloropropane	mg/l	0.0623	0.0578	7.43	23	125.	L354163-07	WG371800
1,2-Dibromo-3-Chloropropane	mg/l	0.0708	0.0614	14.2	27	142.	L354163-07	WG371800
1,2-Dibromoethane	mg/l	0.0638	0.0605	5.43	21	128.	L354163-07	WG371800
1,2-Dichlorobenzene	mg/l	0.0617	0.0556	10.3	23	123.	L354163-07	WG371800
1,2-Dichloroethane	mg/l	0.0626	0.0554	12.3	21	125.	L354163-07	WG371800
1,2-Dichloropropane	mg/l	0.0626	0.0562	10.8	20	125.	L354163-07	WG371800
1,4-Dichlorobenzene	mg/l	0.0580	0.0526	9.82	23	116.	L354163-07	WG371800
2-Butanone (MEK)	mg/l	0.316	0.281	12.0	26	127.	L354163-07	WG371800
2-Hexanone	mg/l	0.381	0.349	8.67	28	152.	L354163-07	WG371800
4-Methyl-2-pentanone (MIBK)	mg/l	0.353	0.311	12.7	28	141.	L354163-07	WG371800
Acetone	mg/l	0.317	0.275	14.4	26	127.	L354163-07	WG371800
Acrylonitrile	mg/l	0.354	0.308	13.6	24	141.	L354163-07	WG371800
Benzene	mg/l	0.0600	0.0543	9.98	21	120.	L354163-07	WG371800
Bromochloromethane	mg/l	0.0597	0.0536	10.8	21	119.	L354163-07	WG371800
Bromodichloromethane	mg/l	0.0681	0.0605	11.8	20	136.	L354163-07	WG371800
Bromoform	mg/l	0.0701	0.0647	8.04	20	140.	L354163-07	WG371800
Bromomethane	mg/l	0.0273	0.0235	15.2	35	54.6	L354163-07	WG371800
Carbon disulfide	mg/l	0.0568	0.0529	7.19	25	112.	L354163-07	WG371800
Carbon tetrachloride	mg/l	0.0699	0.0647	7.70	24	140.	L354163-07	WG371800
Chlorobenzene	mg/l	0.0597	0.0574	3.89	22	119.	L354163-07	WG371800
Chlorodibromomethane	mg/l	0.0677	0.0636	6.20	21	135.	L354163-07	WG371800
Chloroethane	mg/l	0.0532	0.0495	7.13	27	106.	L354163-07	WG371800
Chloroform	mg/l	0.0652	0.0582	11.4	21	130.	L354163-07	WG371800
Chloromethane	mg/l	0.0811	0.0761	6.37	28	162.	L354163-07	WG371800
cis-1,2-Dichloroethene	mg/l	0.0659	0.0593	10.5	22	124.	L354163-07	WG371800
cis-1,3-Dichloropropene	mg/l	0.0631	0.0562	11.6	21	126.	L354163-07	WG371800
Dibromomethane	mg/l	0.0631	0.0555	12.8	20	126.	L354163-07	WG371800
Ethylbenzene	mg/l	0.0618	0.0597	3.43	24	124.	L354163-07	WG371800
Iodomethane	mg/l	0.302	0.269	11.5	27	120.	L354163-07	WG371800
Methylene Chloride	mg/l	0.0562	0.0505	10.6	21	112.	L354163-07	WG371800
Styrene	mg/l	0.0668	0.0635	4.99	23	134.	L354163-07	WG371800
Tetrachloroethene	mg/l	0.0722	0.0708	1.93	24	125.	L354163-07	WG371800
Toluene	mg/l	0.0621	0.0564	9.59	22	124.	L354163-07	WG371800
trans-1,2-Dichloroethene	mg/l	0.0623	0.0570	8.88	23	125.	L354163-07	WG371800
trans-1,3-Dichloropropene	mg/l	0.0582	0.0517	11.8	22	116.	L354163-07	WG371800
trans-1,4-Dichloro-2-butene	mg/l	0.0640	0.0582	9.58	29	128.	L354163-07	WG371800
Trichloroethene	mg/l	0.0675	0.0619	8.73	21	125.	L354163-07	WG371800
Trichlorofluoromethane	mg/l	0.0527	0.0508	3.63	24	105.	L354163-07	WG371800
Vinyl acetate	mg/l	0.387	0.341	12.6	26	155.	L354163-07	WG371800
Vinyl chloride	mg/l	0.0559	0.0521	6.95	26	112.	L354163-07	WG371800
Xylenes, Total	mg/l	0.178	0.173	2.55	23	119.	L354163-07	WG371800
cis-1,2-Dichloroethene	mg/l	0.0501	0.0507	1.21	22	91.1	L353928-03	WG371881
Mercury	mg/l	0.0029	0.0028	5.87	20	99.3	L354659-08	WG371910
Mercury	mg/l	0.0022	0.0023	3.92	20	75.0	L354813-02	WG372228

Batch number /Run number / Sample number cross reference

WG371681: R410424: L354659-01 02 03 04
WG371742: R410428: L354659-01 02 03 04 05 06
WG371881: R411624: L354659-04 05 06
WG371800: R411664: L354659-07 08 09 10 11 12
WG371682: R412072: L354659-05 06 07 08 09 10 11
WG371785: R412967: L354659-01 02 03 04 05 06 07 08 09 10 11
WG371910: R414006: L354659-01 02 03 04 05 06 07 08 09

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Est. 1970

S&ME Inc. - Raleigh NC
Michelle Logut / Jerry Paul
3201 Spring Forest Road

Raleigh, NC 27616

Quality Assurance Report
Level II

L354659

July 17, 2008

WG372228: R415006: L354659-10 11

* * Calculations are performed prior to rounding of reported values .

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Level II

L354659

July 17, 2008

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

APPENDIX II

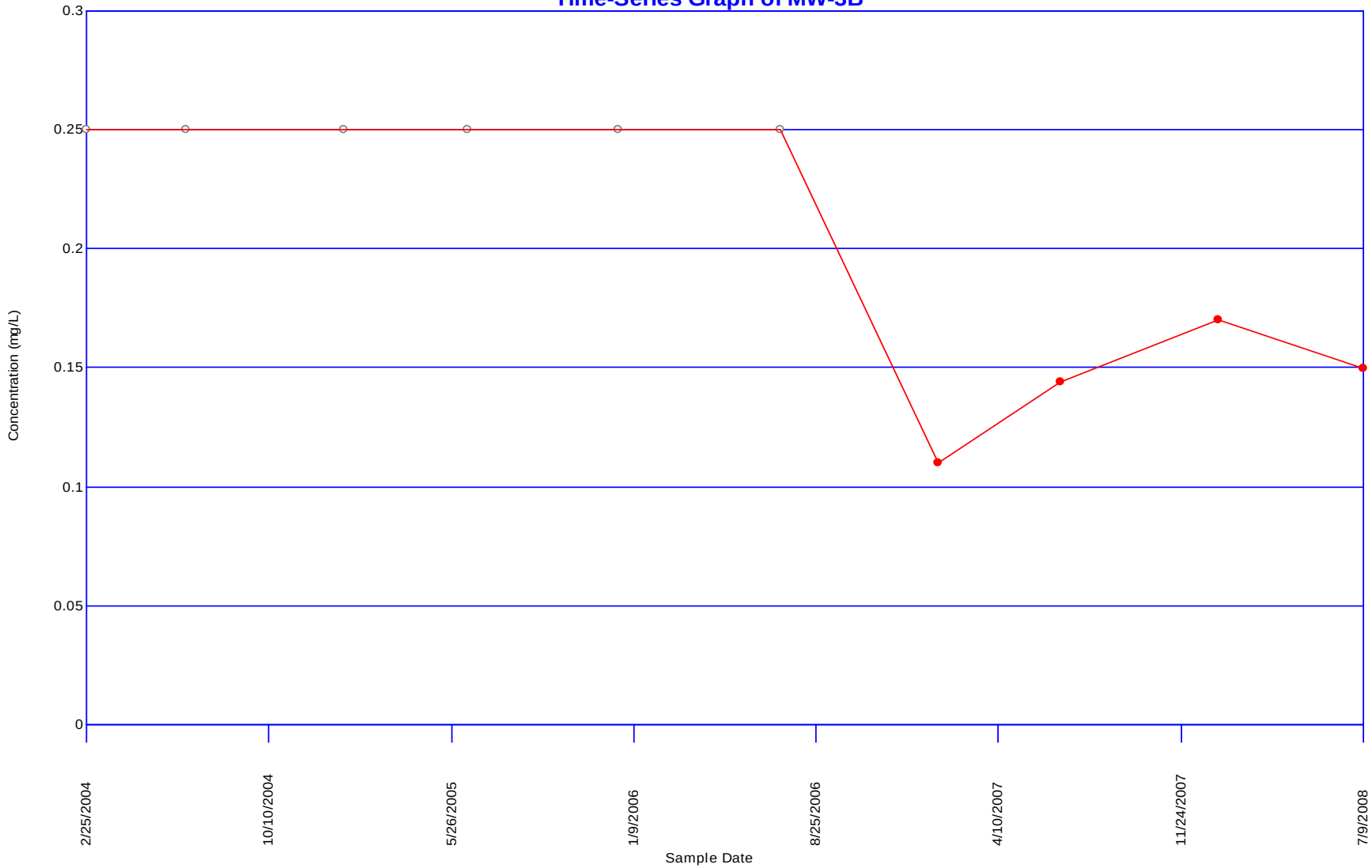
COMPACT DISK WITH ELECTRONIC COPY OF TABLE 1 (.XLS) AND ELECTRONIC COPY OF THIS REPORT (.PDF)

APPENDIX III
TIME SERIES GRAPHS FOR MONITOR WELLS

Edgecombe County Landfill

Barium

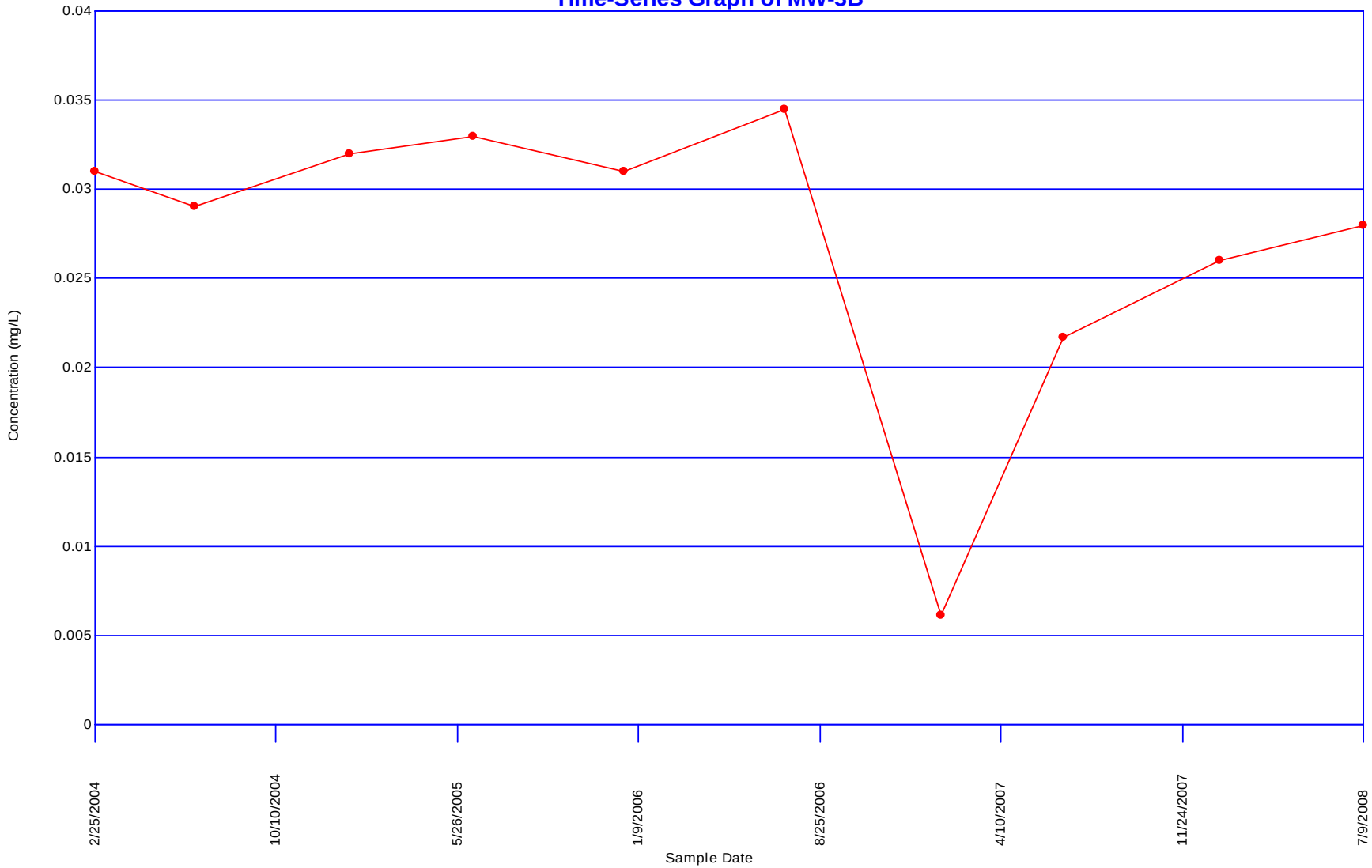
Time-Series Graph of MW-3B



● = **Constituent Detected Above Laboratory MDL**
○ = **Constituent Not Detected Above Laboratory MDL**

Cobalt

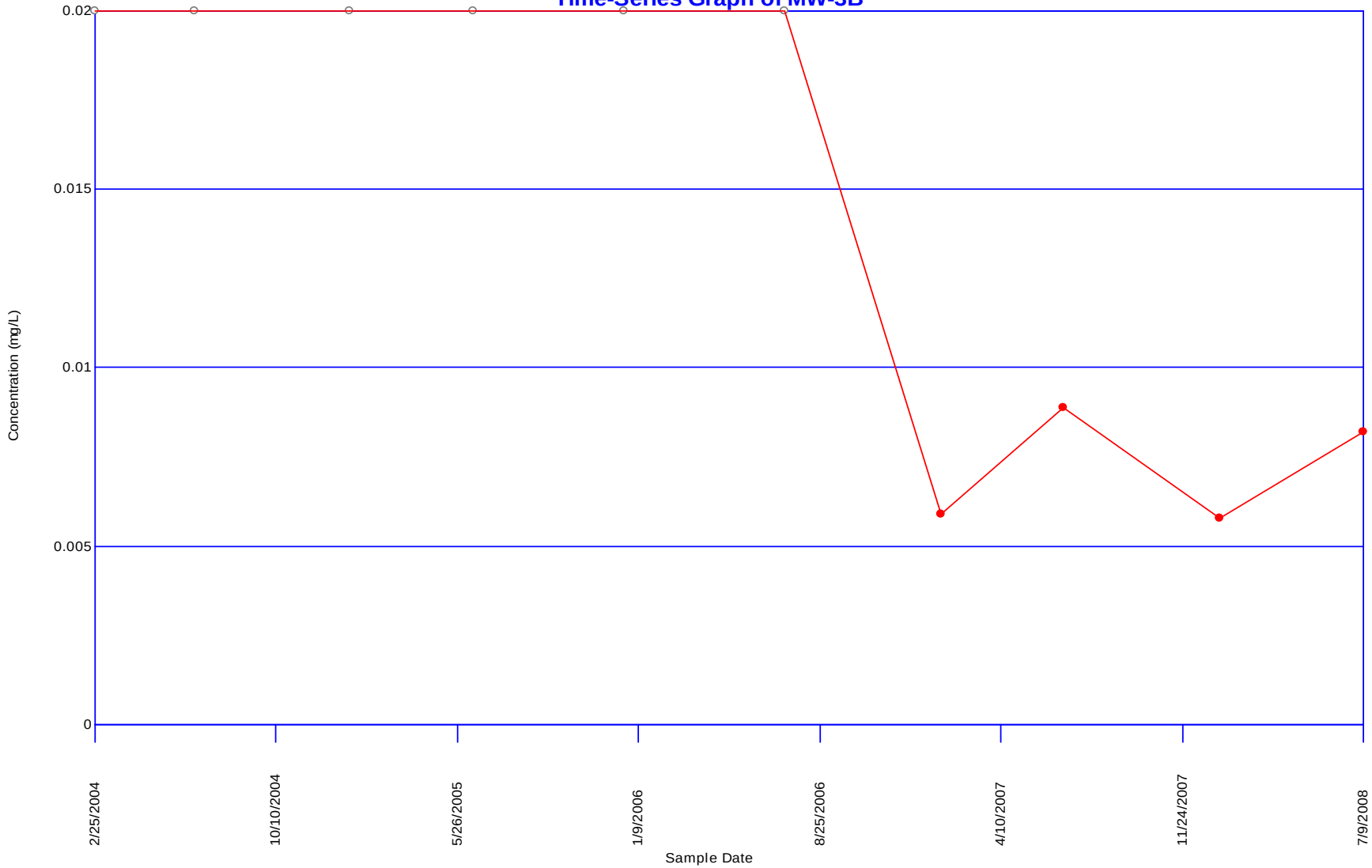
Time-Series Graph of MW-3B



● = Constituent Detected Above Laboratory MDL
○ = Constituent Not Detected Above Laboratory MDL

Vanadium

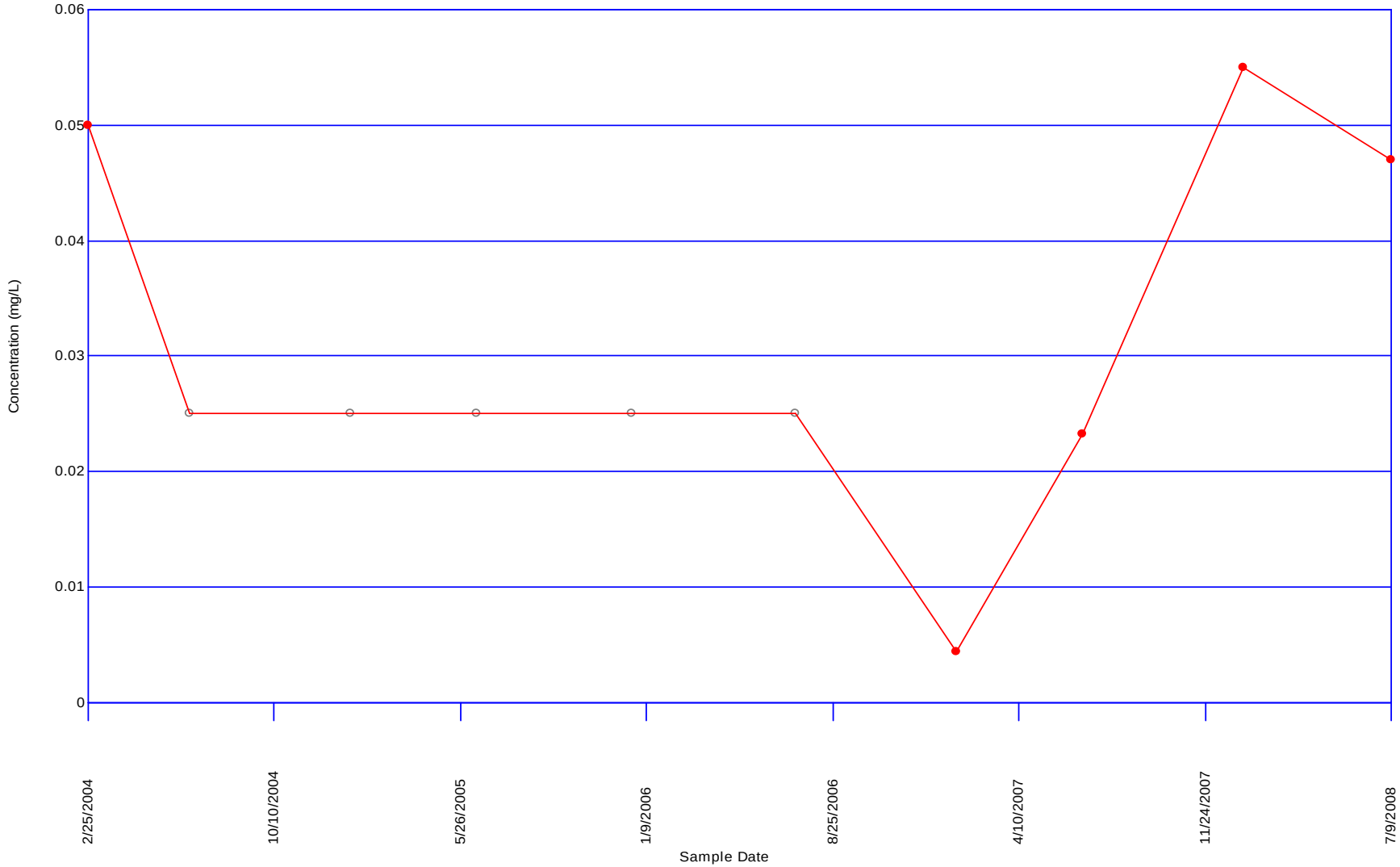
Time-Series Graph of MW-3B



● = Constituent Detected Above Laboratory MDL
○ = Constituent Not Detected Above Laboratory MDL

Zinc

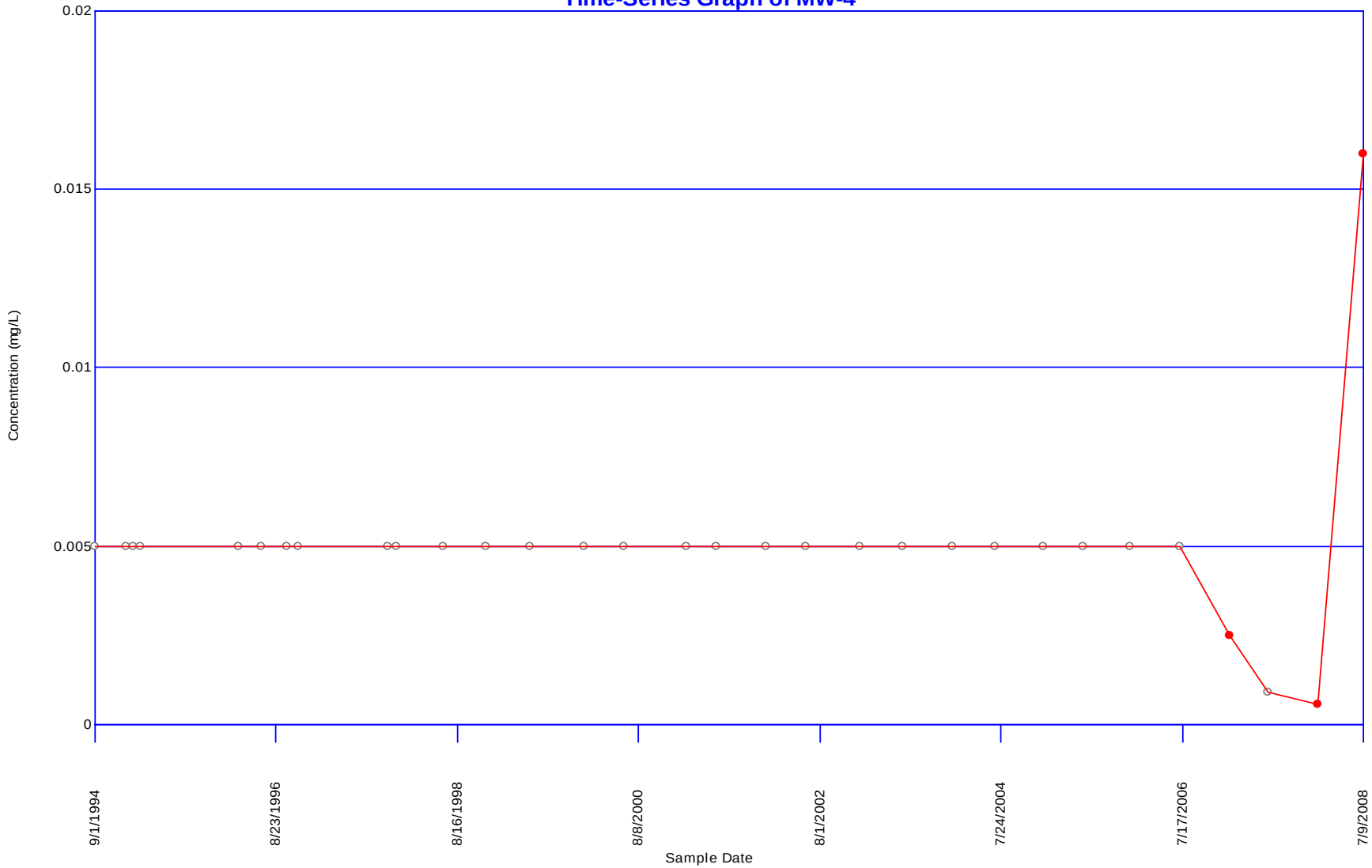
Time-Series Graph of MW-3B



● = Constituent Detected Above Laboratory MDL
○ = Constituent Not Detected Above Laboratory MDL

Arsenic

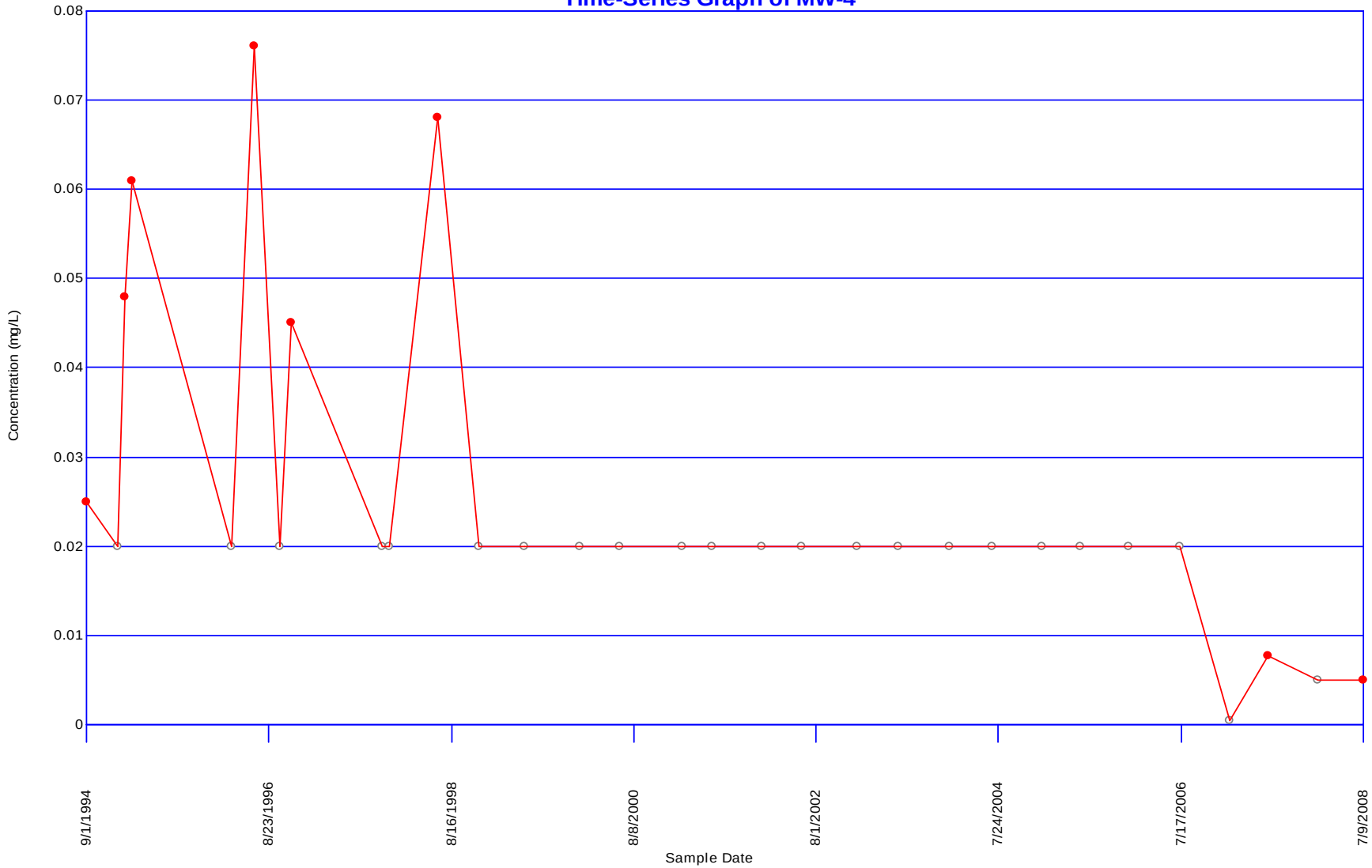
Time-Series Graph of MW-4



● = Constituent Detected Above Laboratory MDL
○ = Constituent Not Detected Above Laboratory MDL

Vanadium

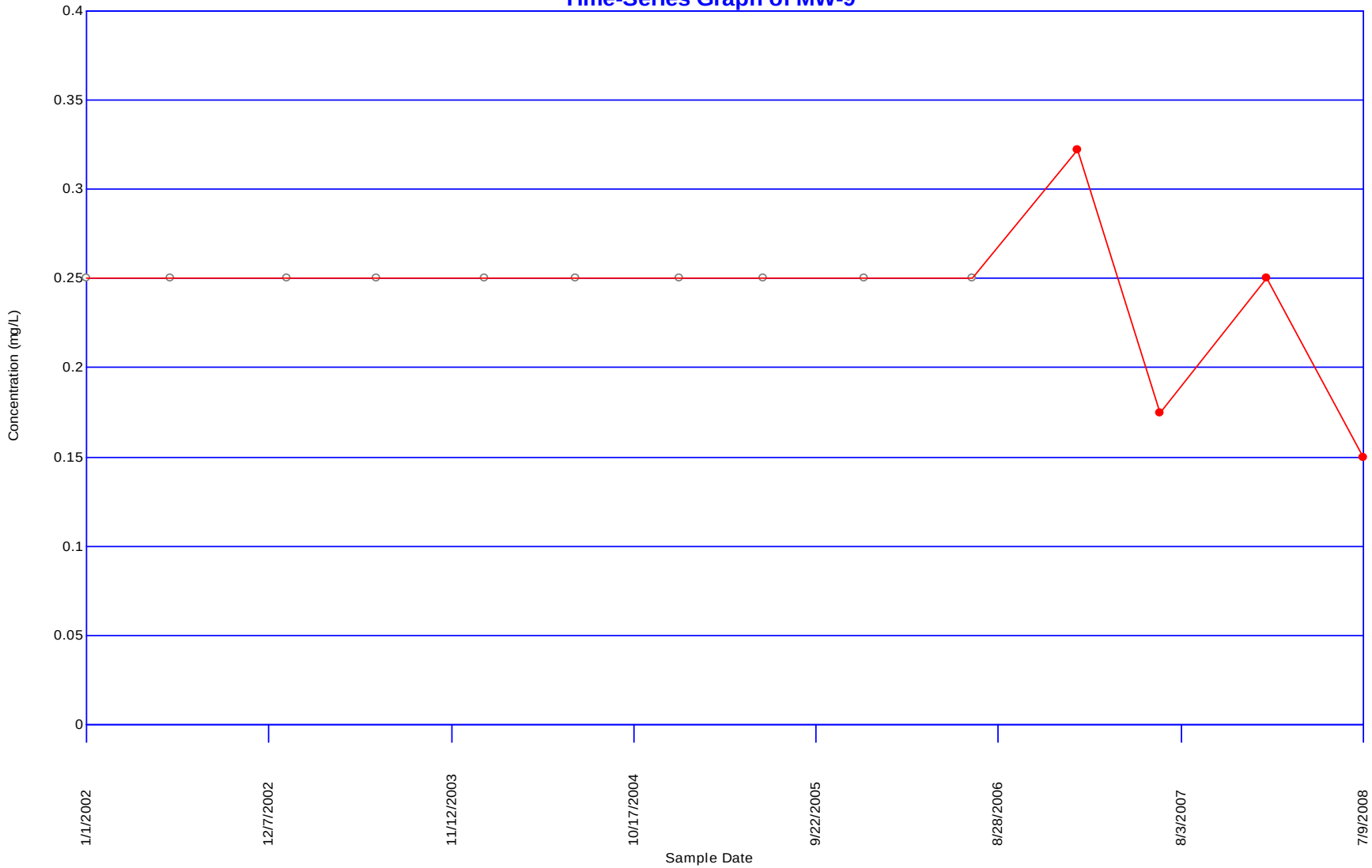
Time-Series Graph of MW-4



● = Constituent Detected Above Laboratory MDL
○ = Constituent Not Detected Above Laboratory MDL

Barium

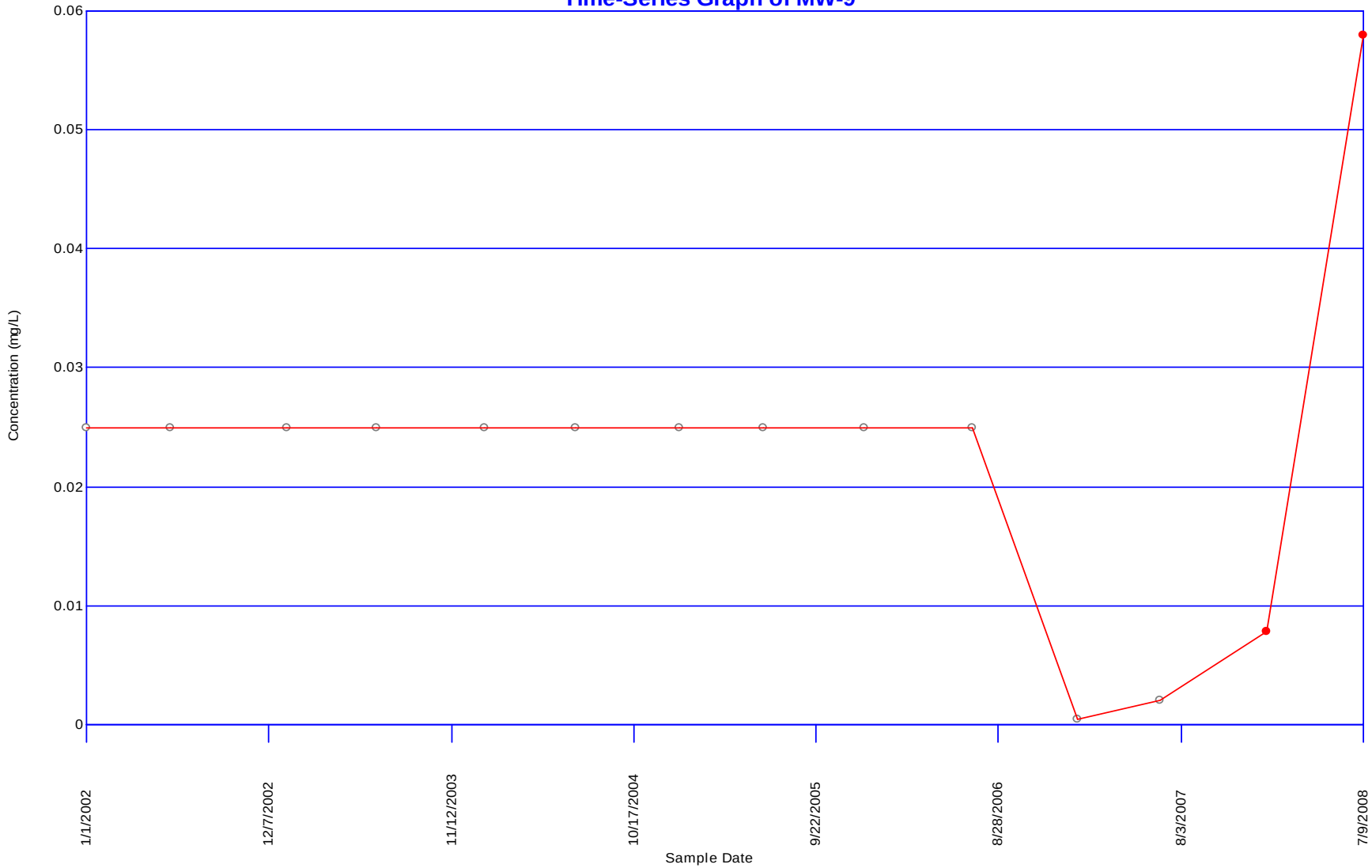
Time-Series Graph of MW-9



● = Constituent Detected Above Laboratory MDL
○ = Constituent Not Detected Above Laboratory MDL

Zinc

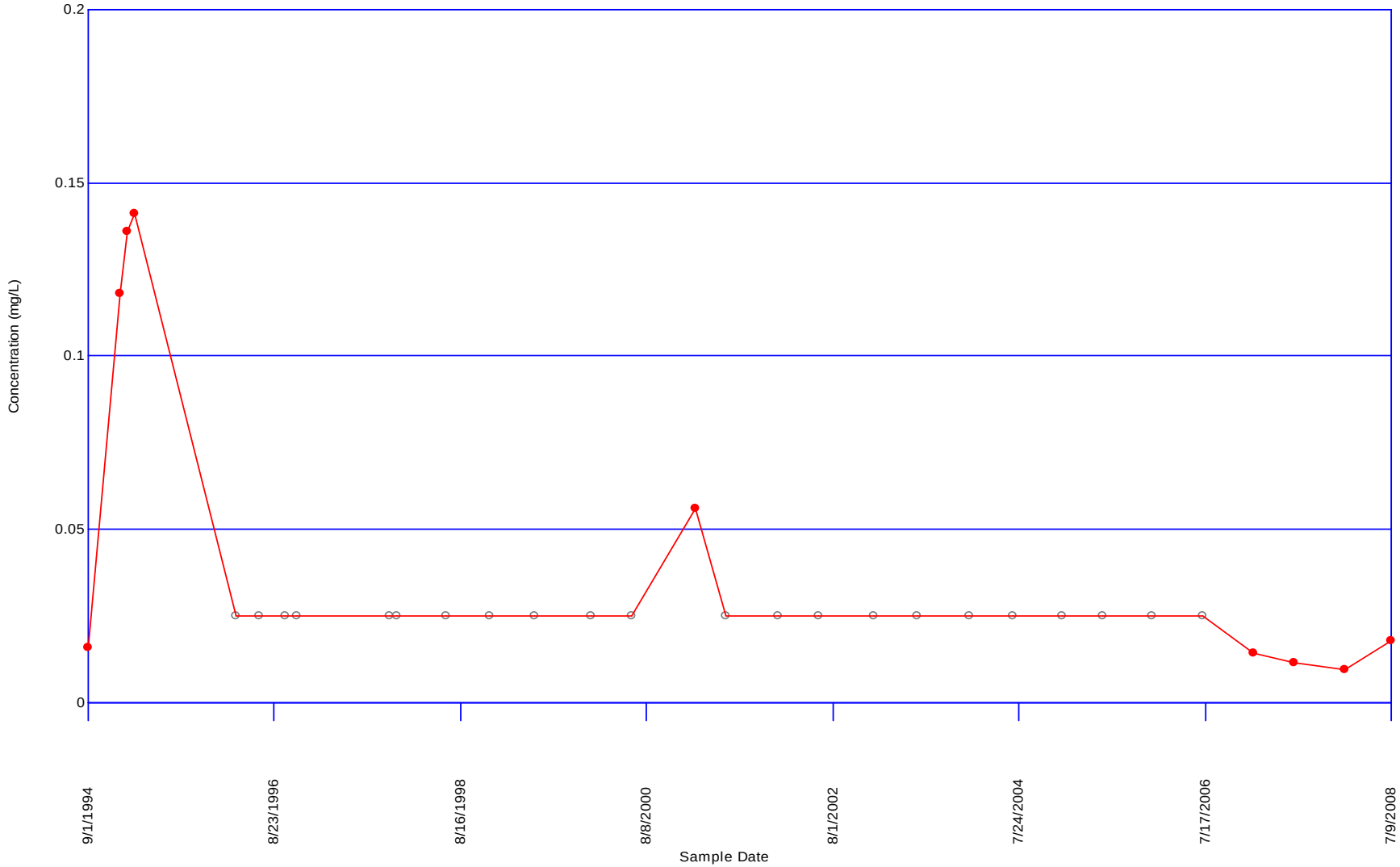
Time-Series Graph of MW-9



● = Constituent Detected Above Laboratory MDL
○ = Constituent Not Detected Above Laboratory MDL

Zinc

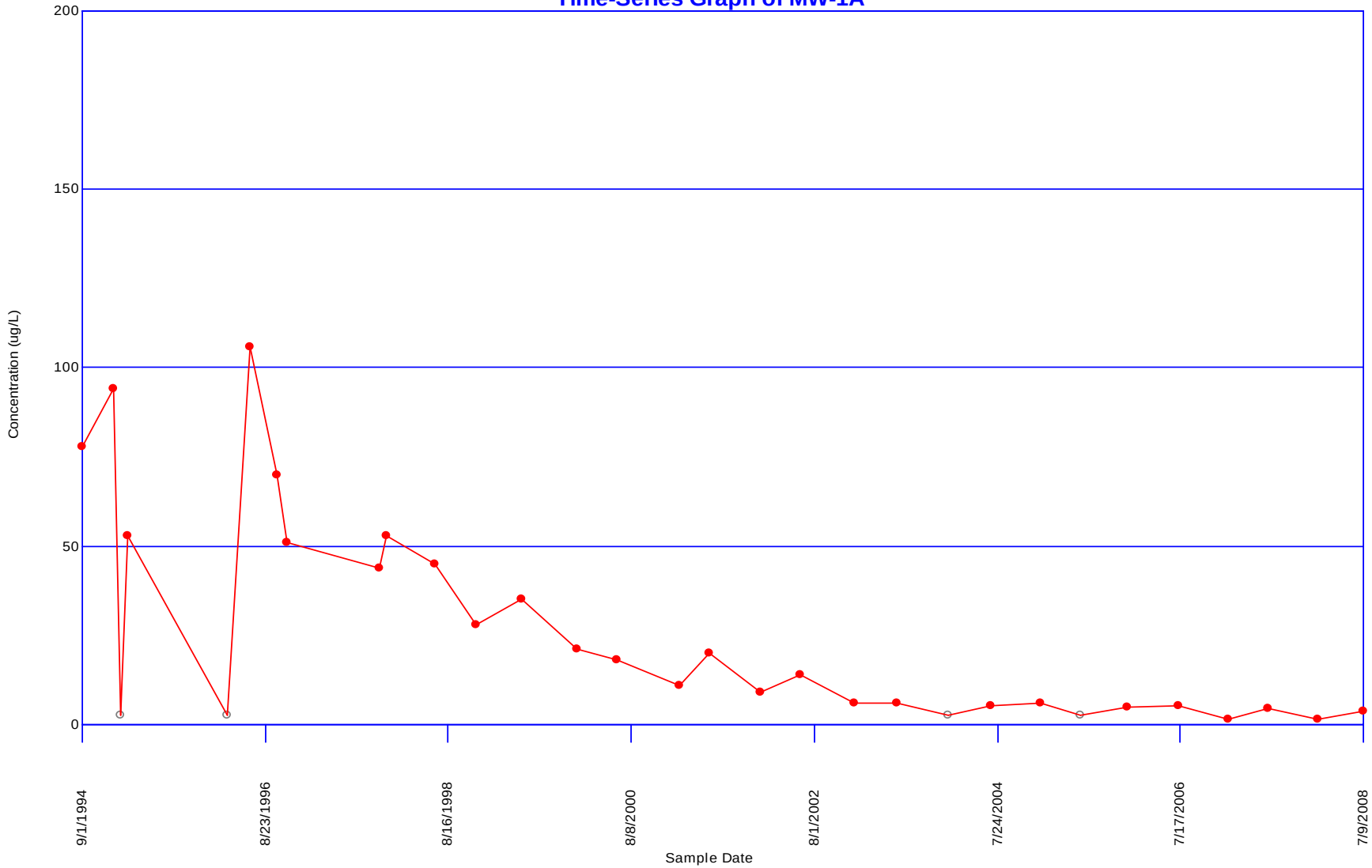
Time-Series Graph of MW-1A



● = Constituent Detected Above Laboratory MDL
○ = Constituent Not Detected Above Laboratory MDL

c-1,2-Dichloroethene

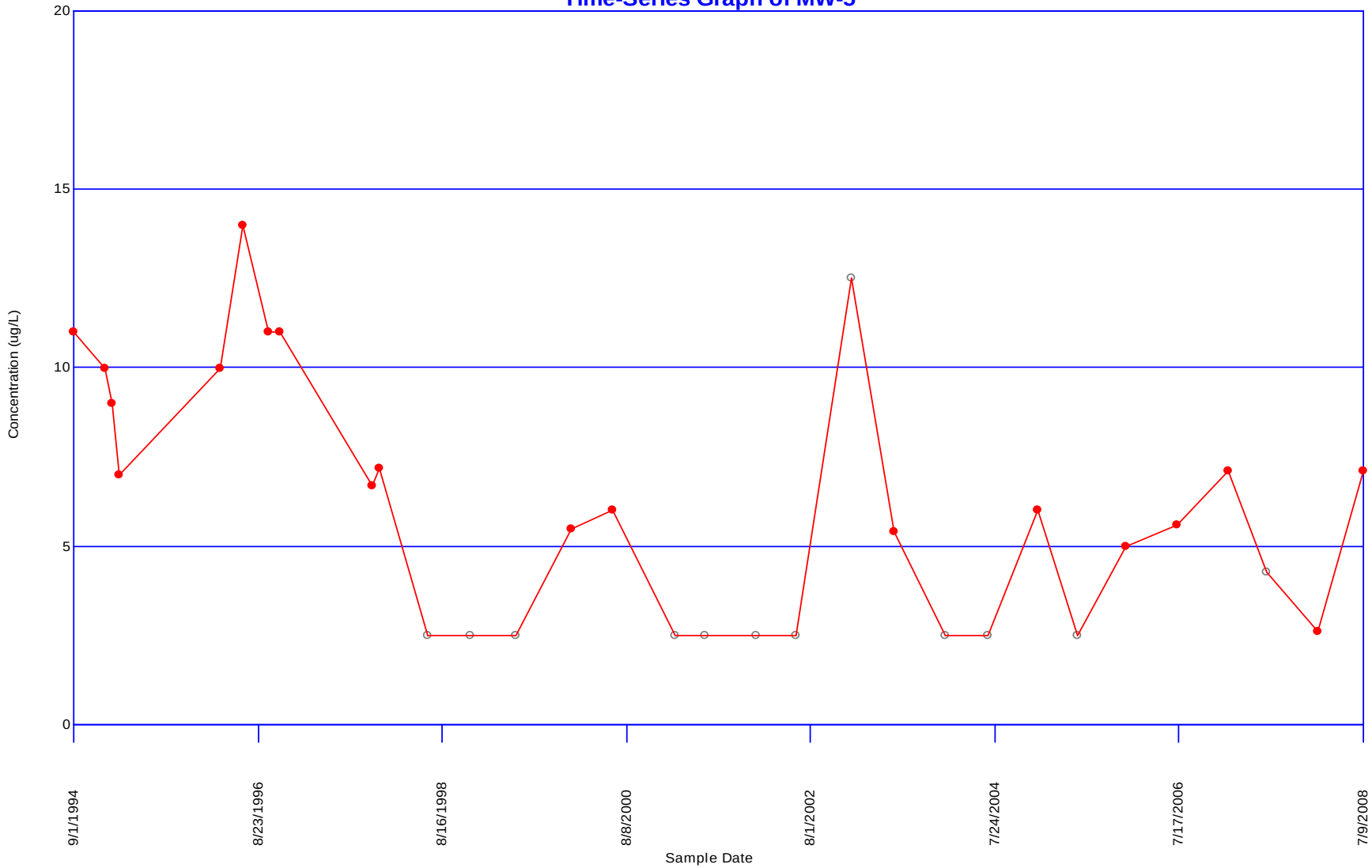
Time-Series Graph of MW-1A



● = Constituent Detected Above Laboratory MDL
○ = Constituent Not Detected Above Laboratory MDL

Benzene

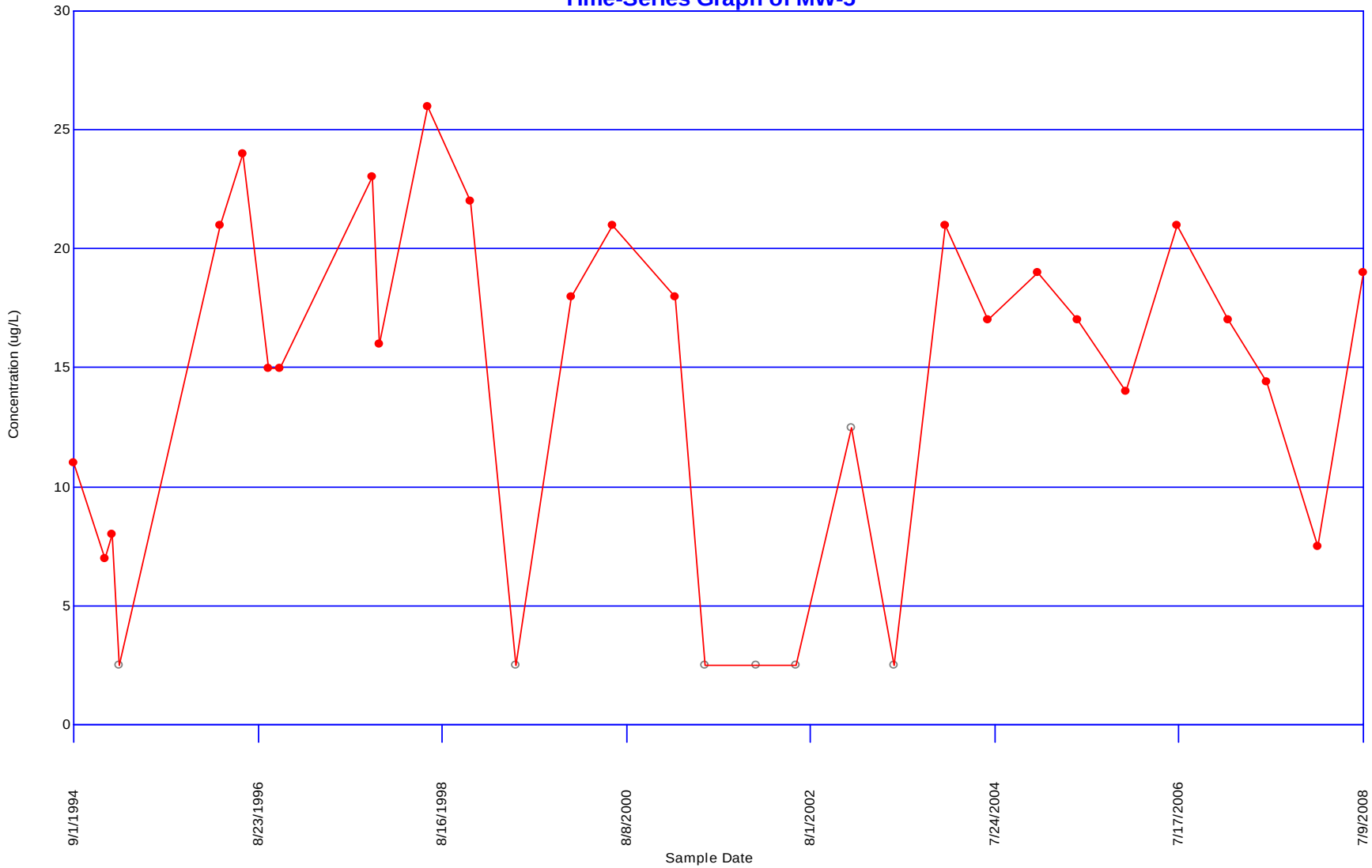
Time-Series Graph of MW-5



● = Constituent Detected Above Laboratory MDL
○ = Constituent Not Detected Above Laboratory MDL

Chlorobenzene

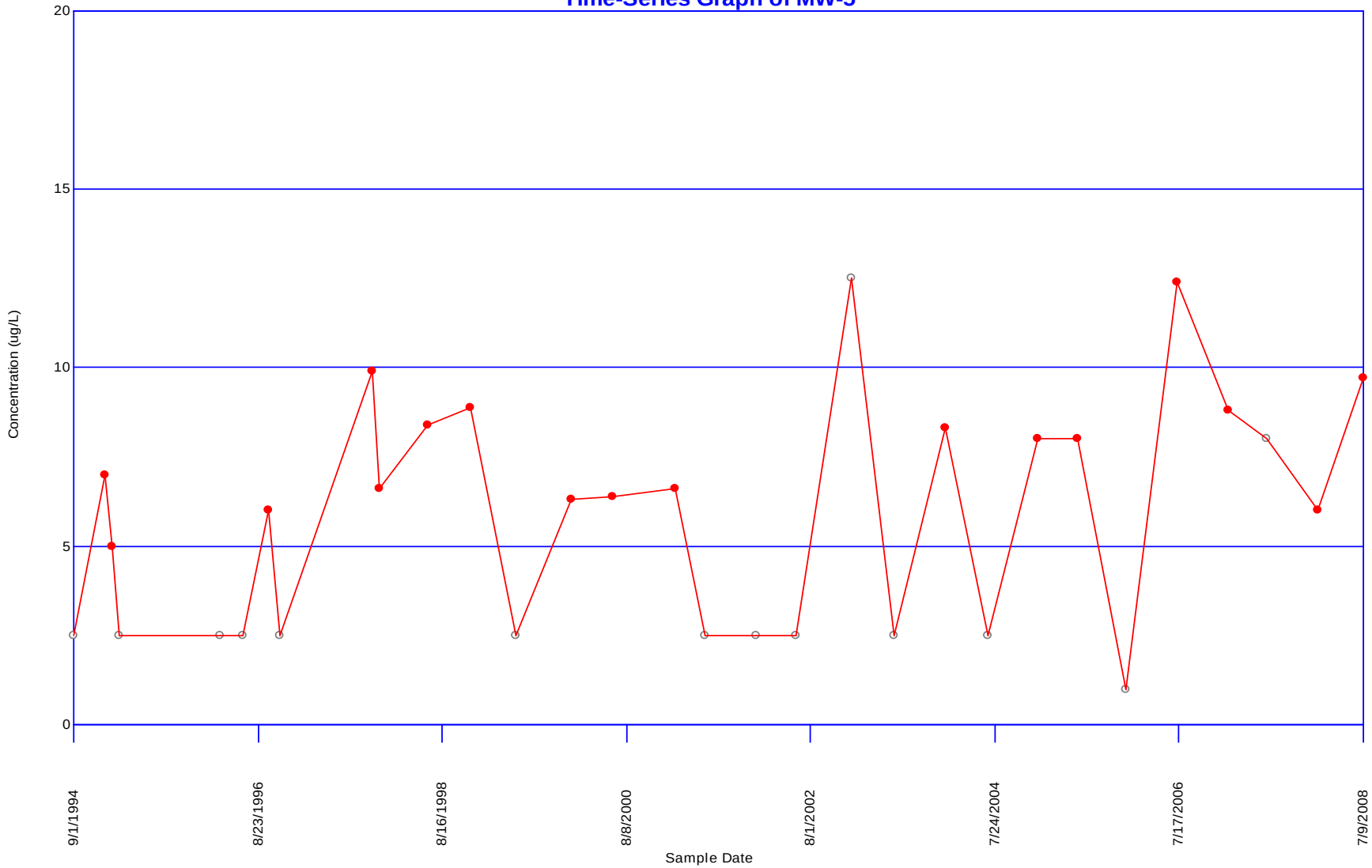
Time-Series Graph of MW-5



● = Constituent Detected Above Laboratory MDL
○ = Constituent Not Detected Above Laboratory MDL

1,4-Dichlorobenzene

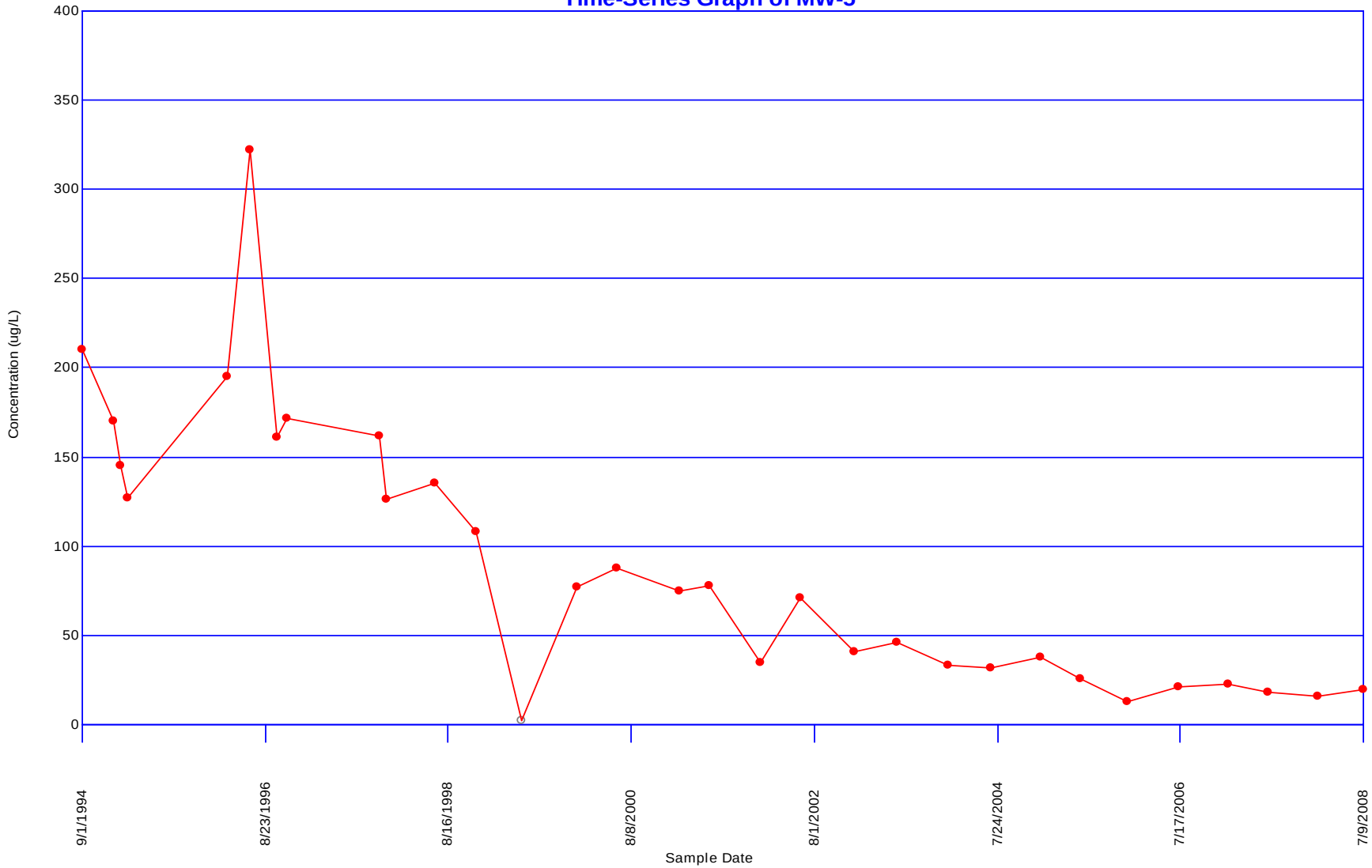
Time-Series Graph of MW-5



● = Constituent Detected Above Laboratory MDL
○ = Constituent Not Detected Above Laboratory MDL

1,1-Dichloroethane

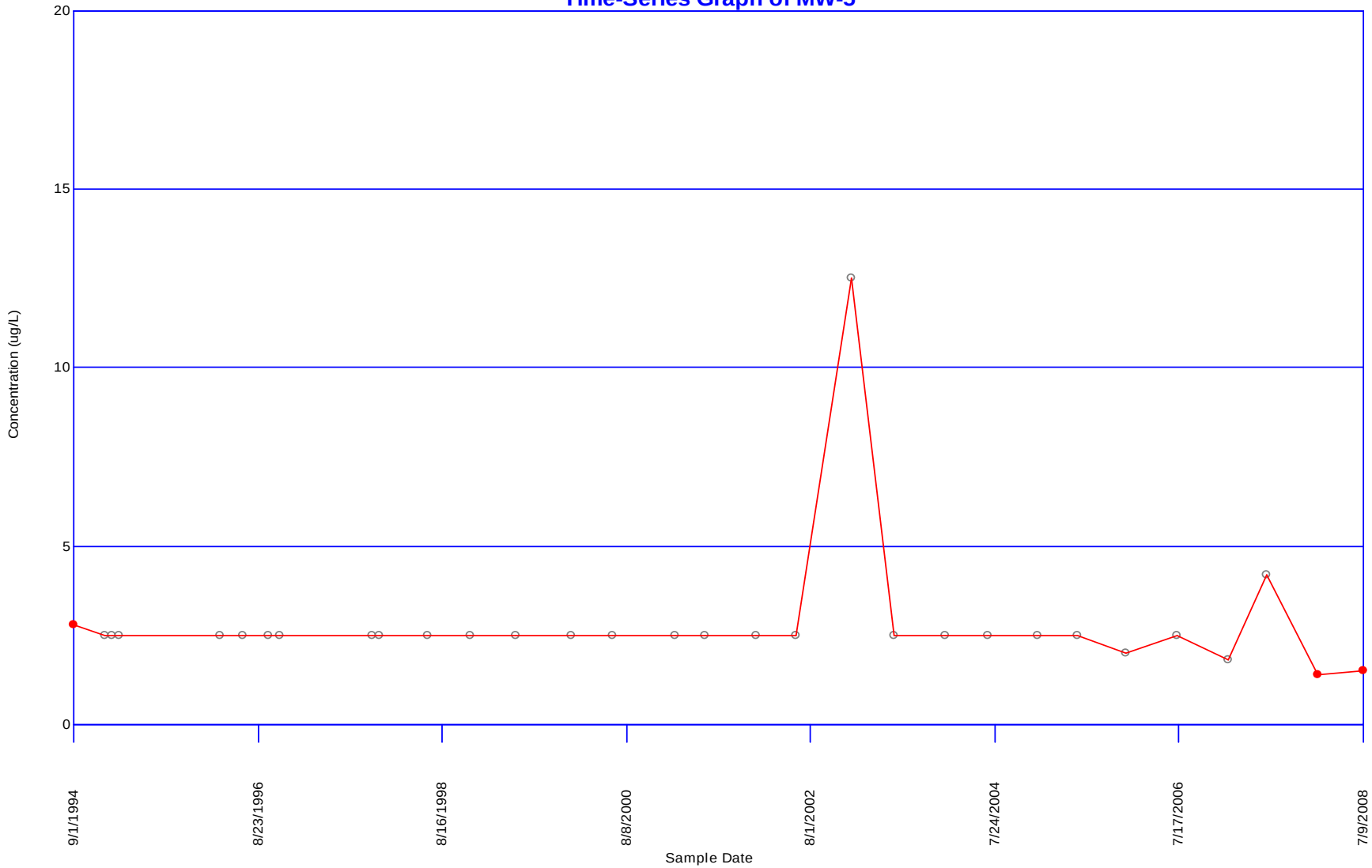
Time-Series Graph of MW-5



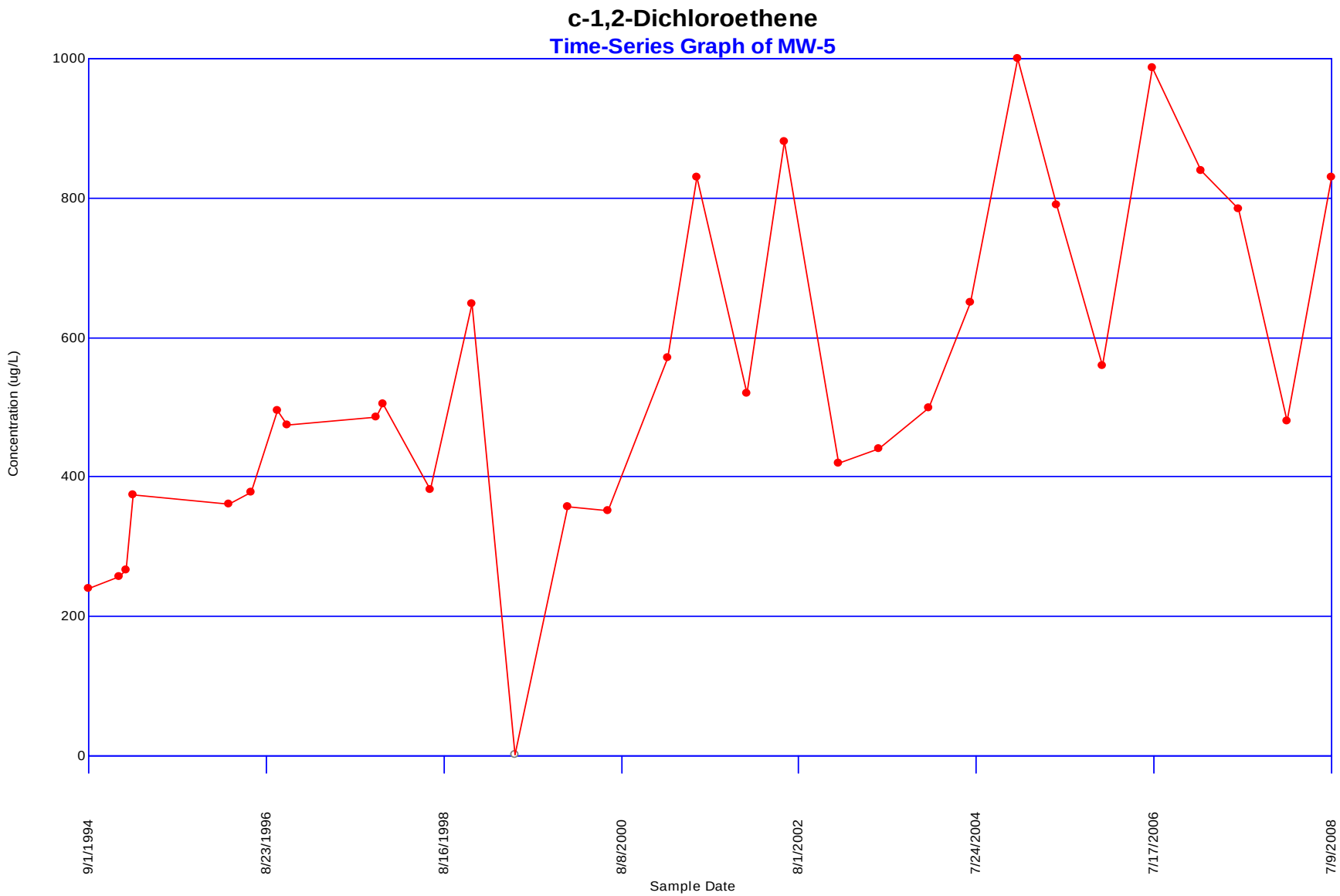
● = Constituent Detected Above Laboratory MDL
○ = Constituent Not Detected Above Laboratory MDL

1,2-Dichloroethane

Time-Series Graph of MW-5



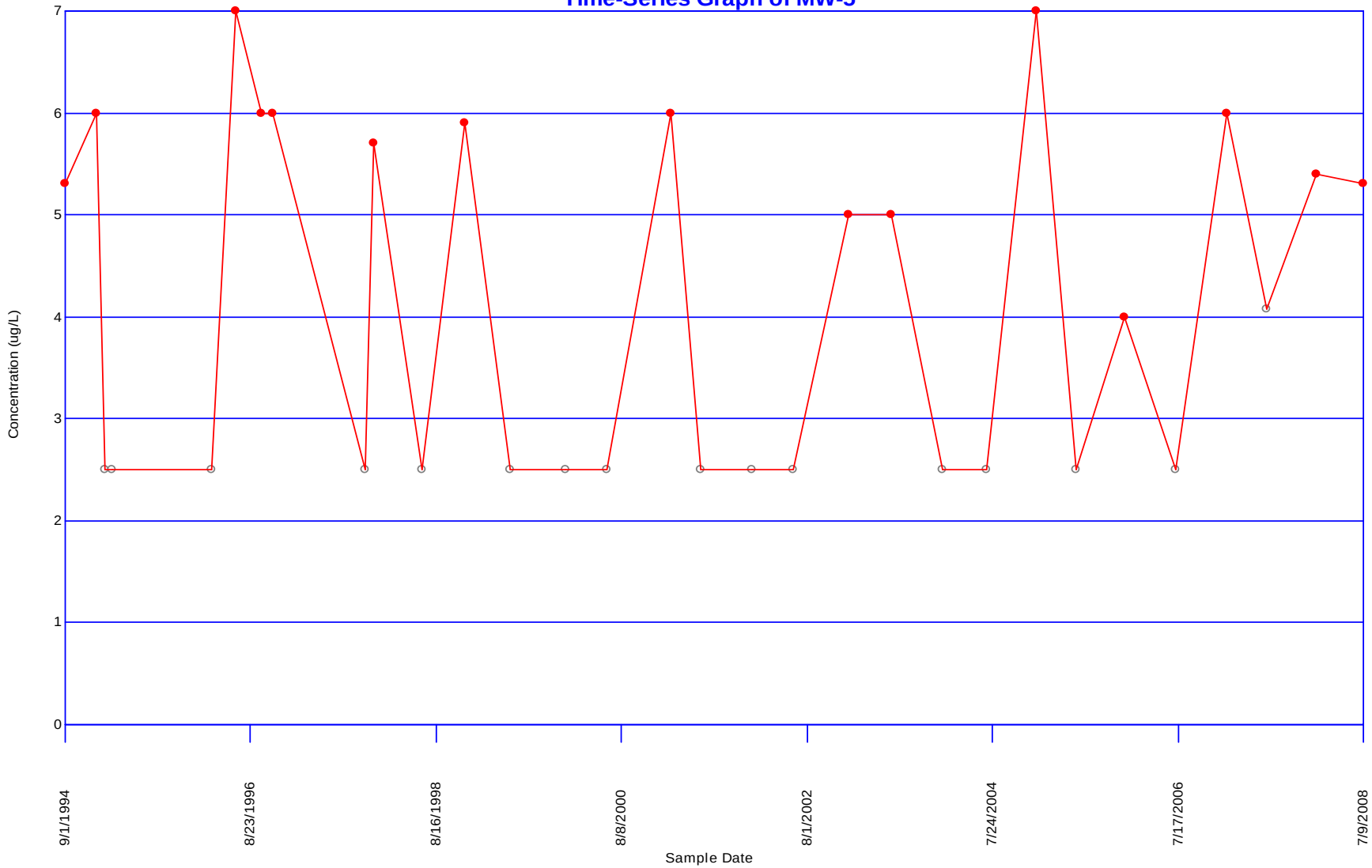
● = Constituent Detected Above Laboratory MDL
○ = Constituent Not Detected Above Laboratory MDL



● = Constituent Detected Above Laboratory MDL
○ = Constituent Not Detected Above Laboratory MDL

t-1,2-Dichloroethene

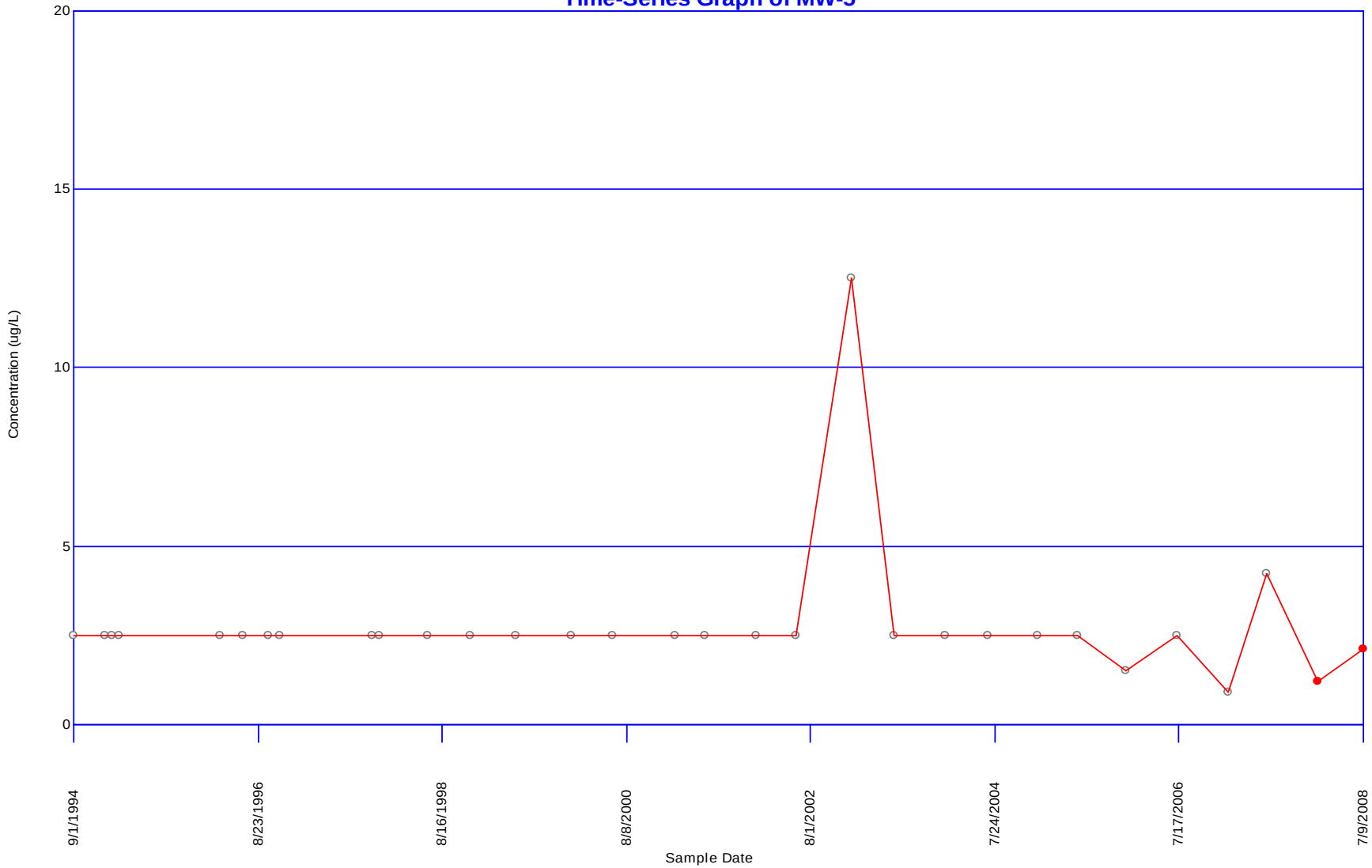
Time-Series Graph of MW-5



● = Constituent Detected Above Laboratory MDL
○ = Constituent Not Detected Above Laboratory MDL

1,2-Dichloropropane

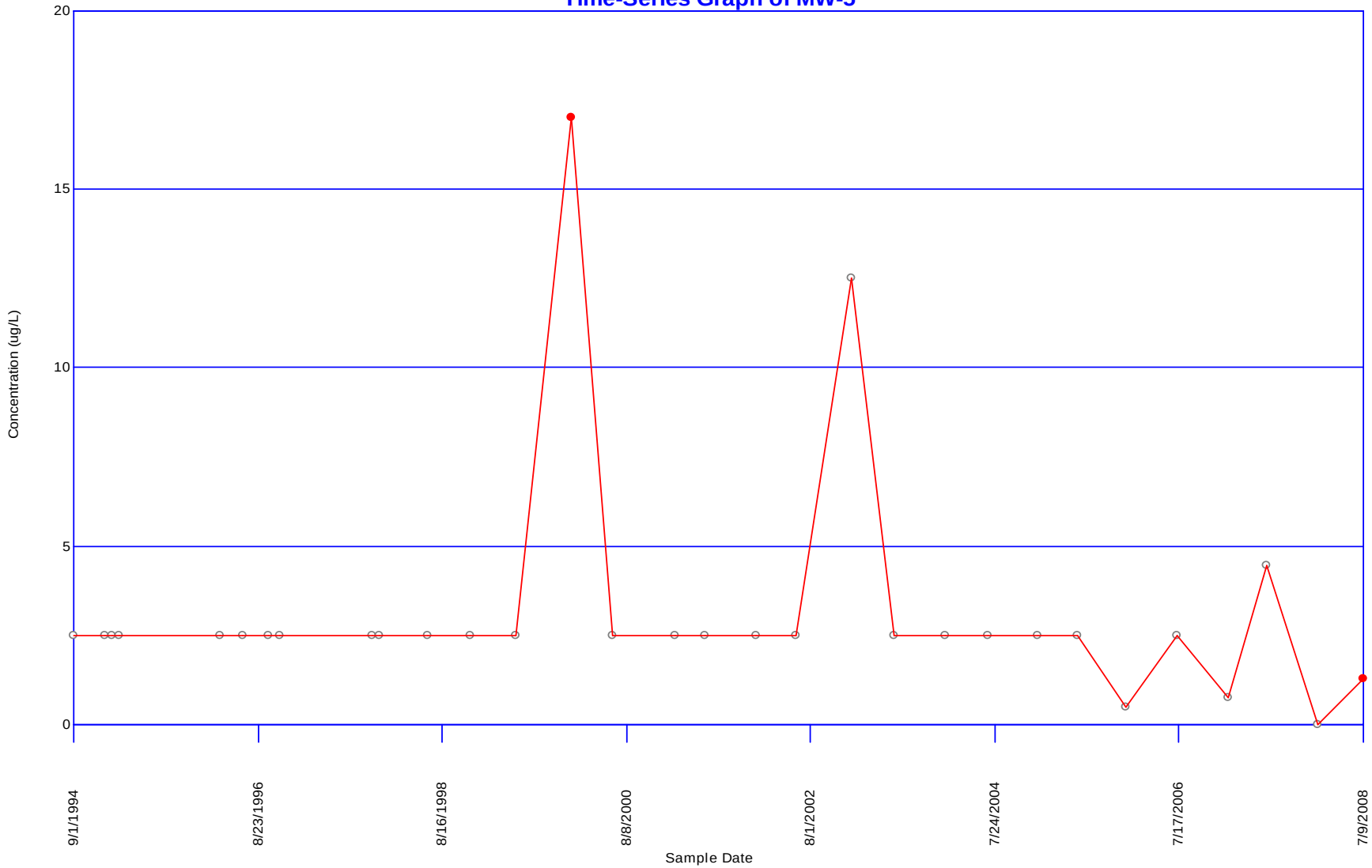
Time-Series Graph of MW-5



● = Constituent Detected Above Laboratory MDL
○ = Constituent Not Detected Above Laboratory MDL

Toluene

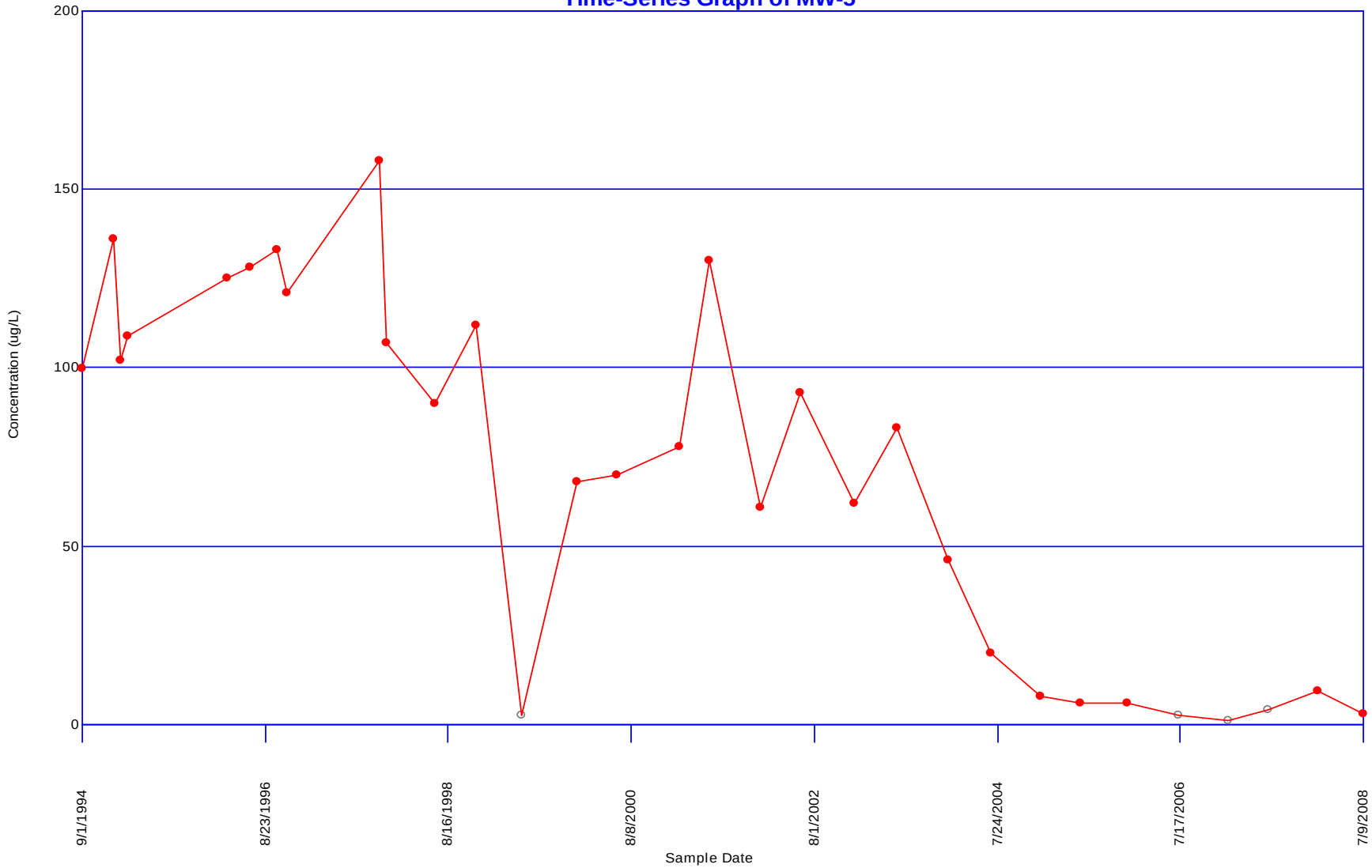
Time-Series Graph of MW-5



● = Constituent Detected Above Laboratory MDL
○ = Constituent Not Detected Above Laboratory MDL

Trichloroethene

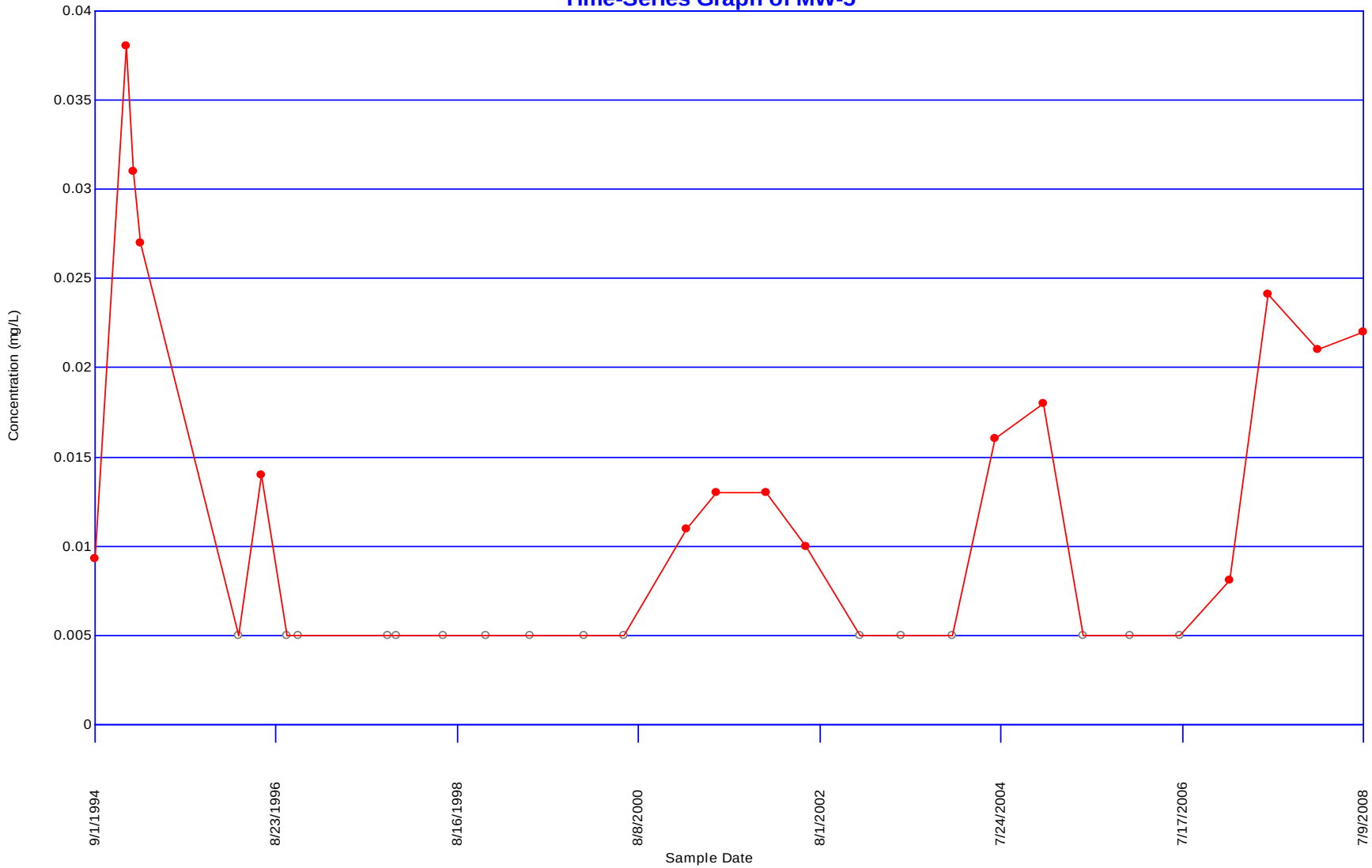
Time-Series Graph of MW-5



● = Constituent Detected Above Laboratory MDL
○ = Constituent Not Detected Above Laboratory MDL

Arsenic

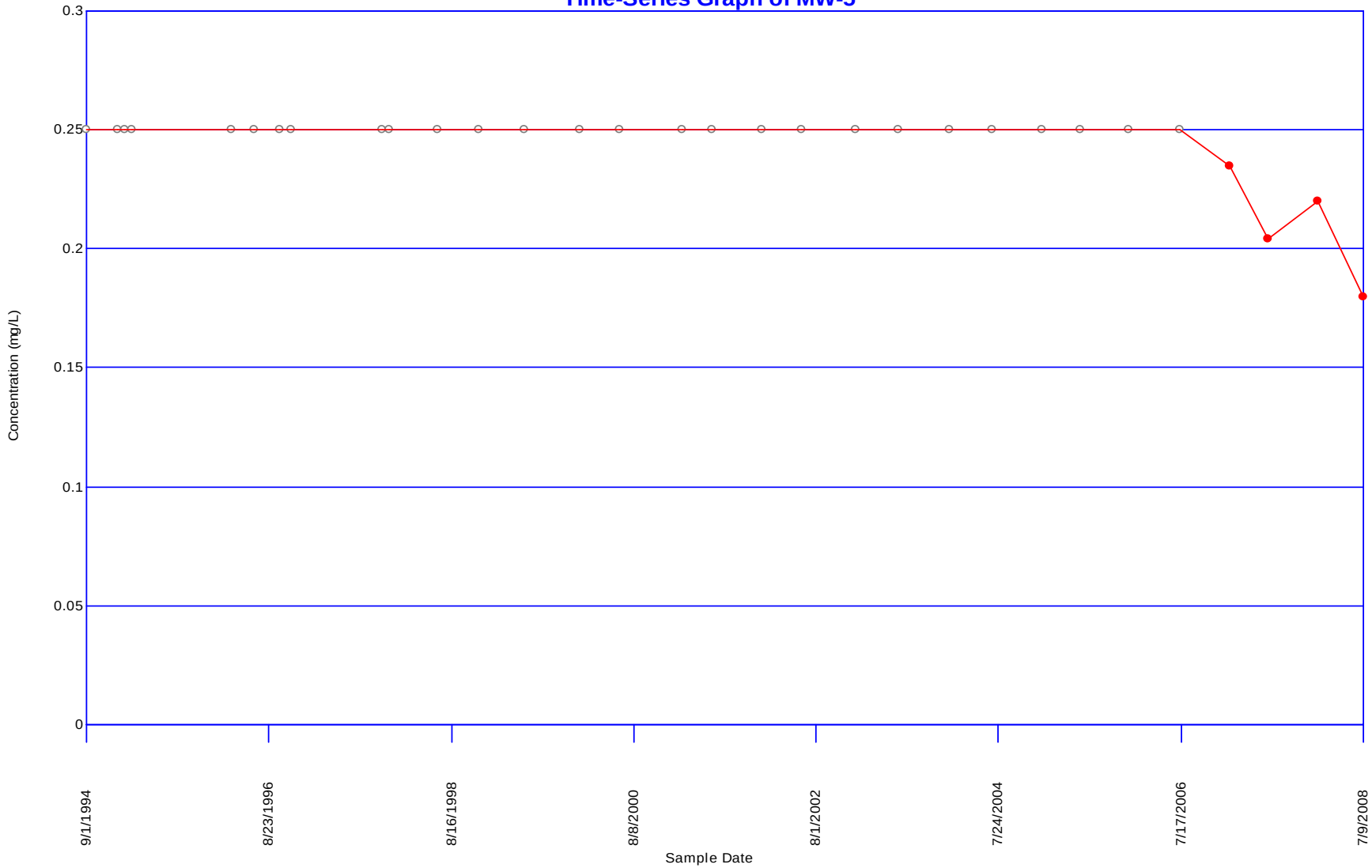
Time-Series Graph of MW-5



● = Constituent Detected Above Laboratory MDL
○ = Constituent Not Detected Above Laboratory MDL

Barium

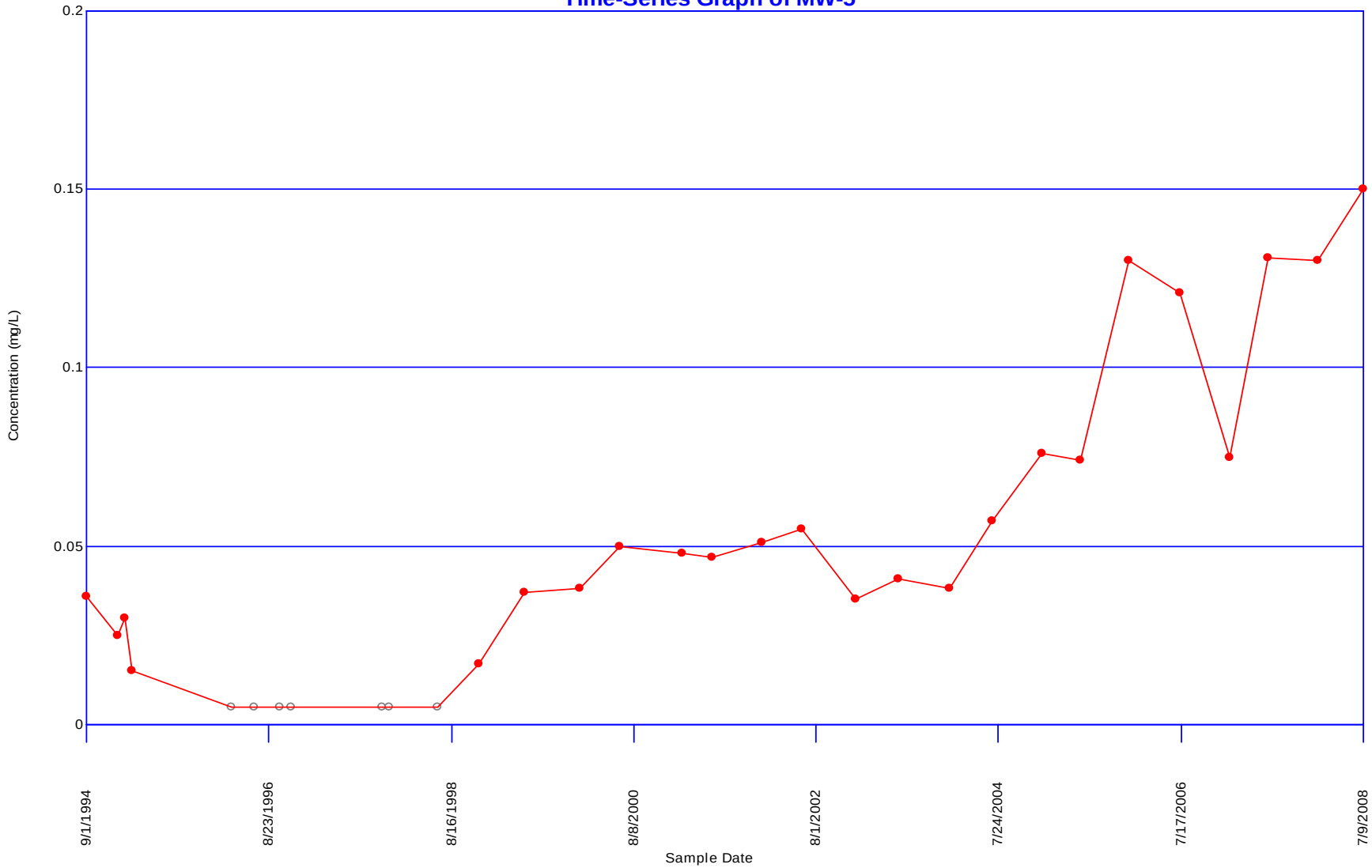
Time-Series Graph of MW-5



● = Constituent Detected Above Laboratory MDL
○ = Constituent Not Detected Above Laboratory MDL

Cobalt

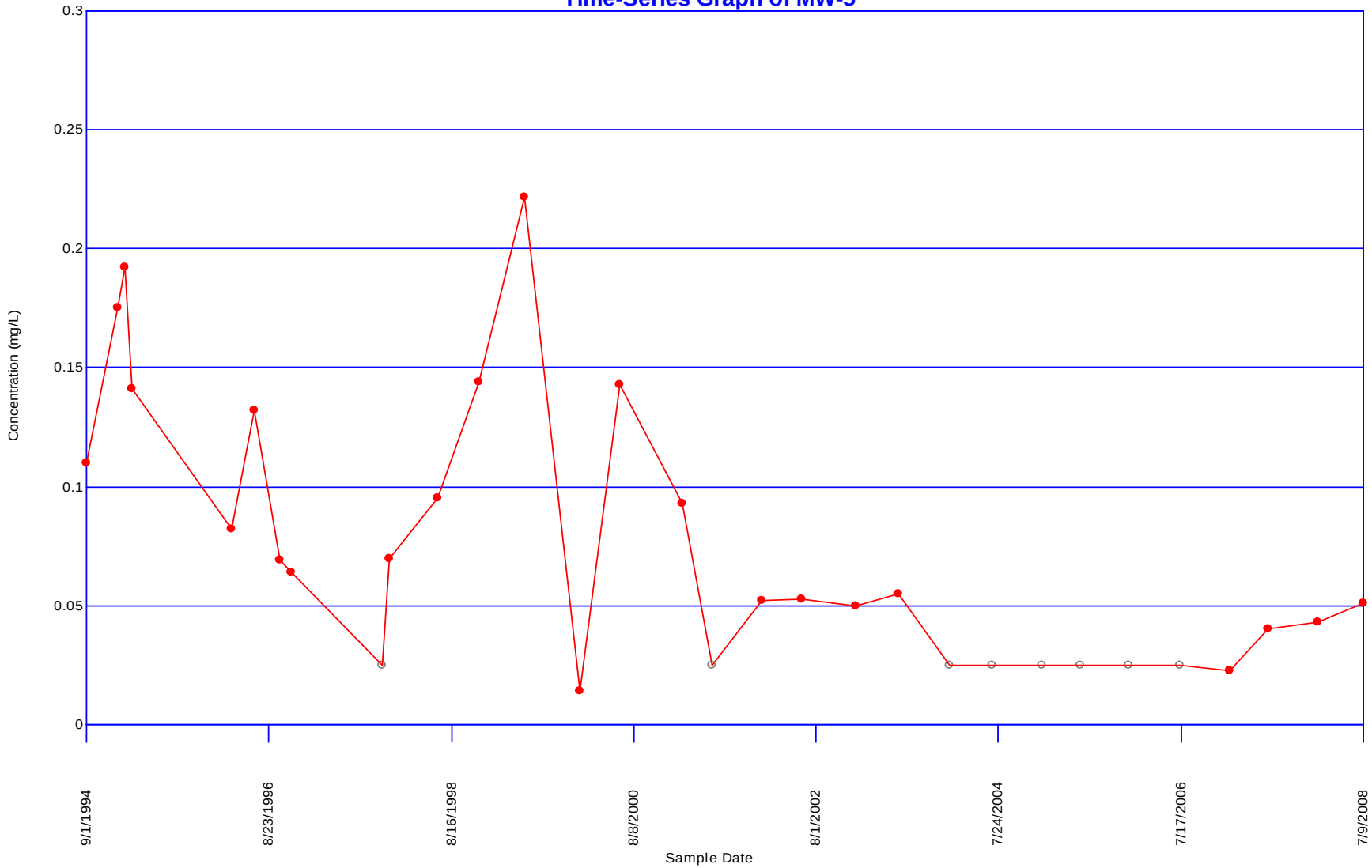
Time-Series Graph of MW-5



● = Constituent Detected Above Laboratory MDL
○ = Constituent Not Detected Above Laboratory MDL

Nickel

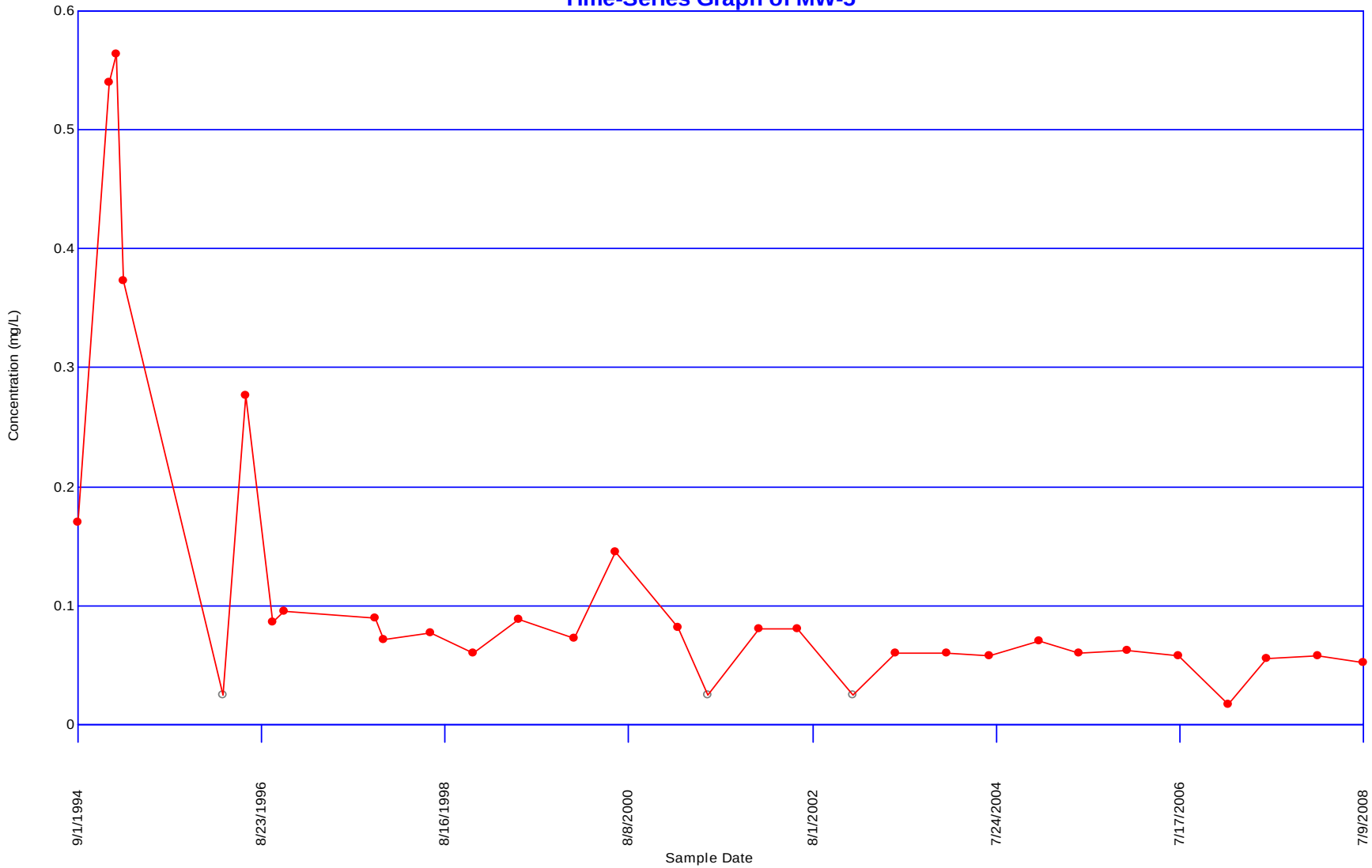
Time-Series Graph of MW-5



● = Constituent Detected Above Laboratory MDL
○ = Constituent Not Detected Above Laboratory MDL

Zinc

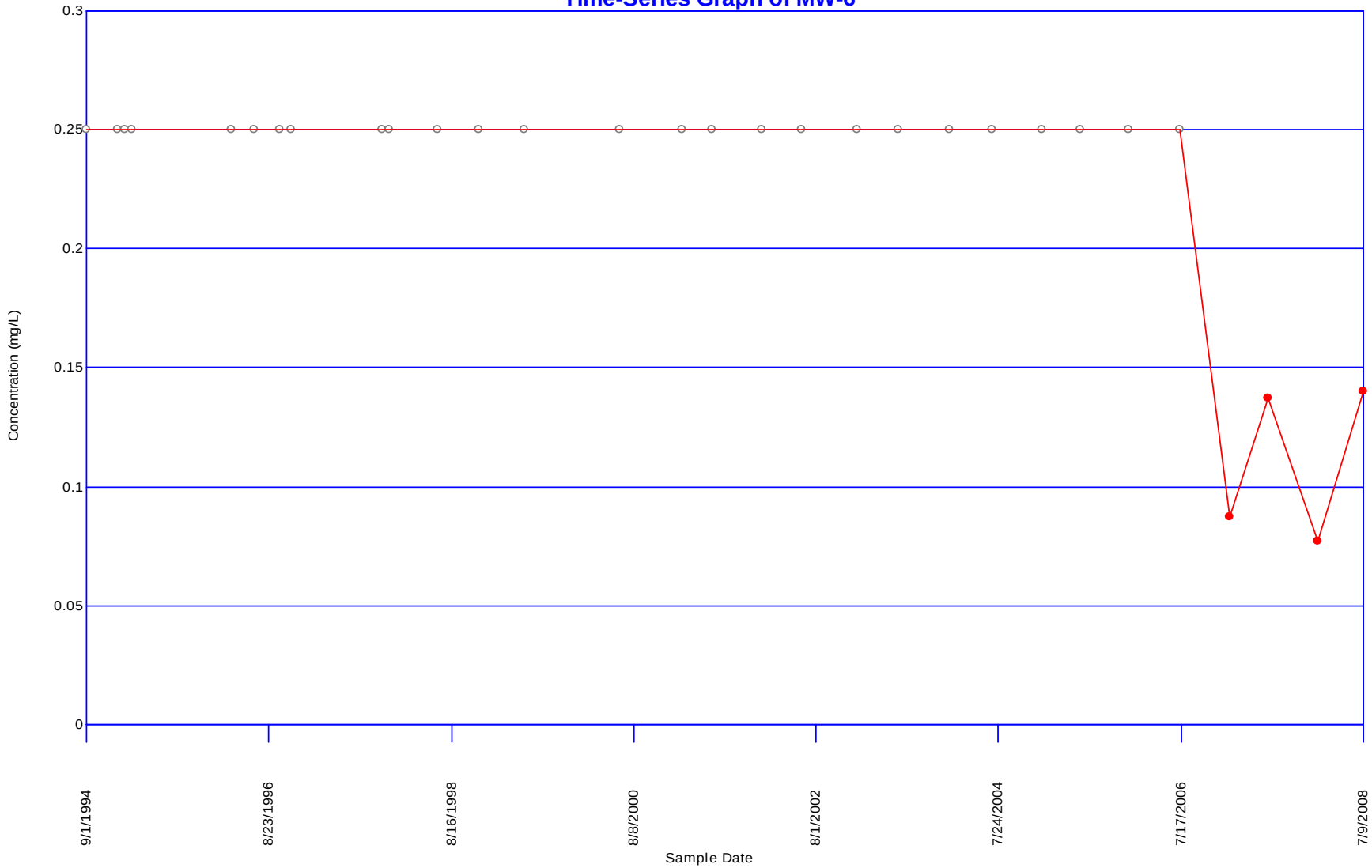
Time-Series Graph of MW-5



● = Constituent Detected Above Laboratory MDL
○ = Constituent Not Detected Above Laboratory MDL

Barium

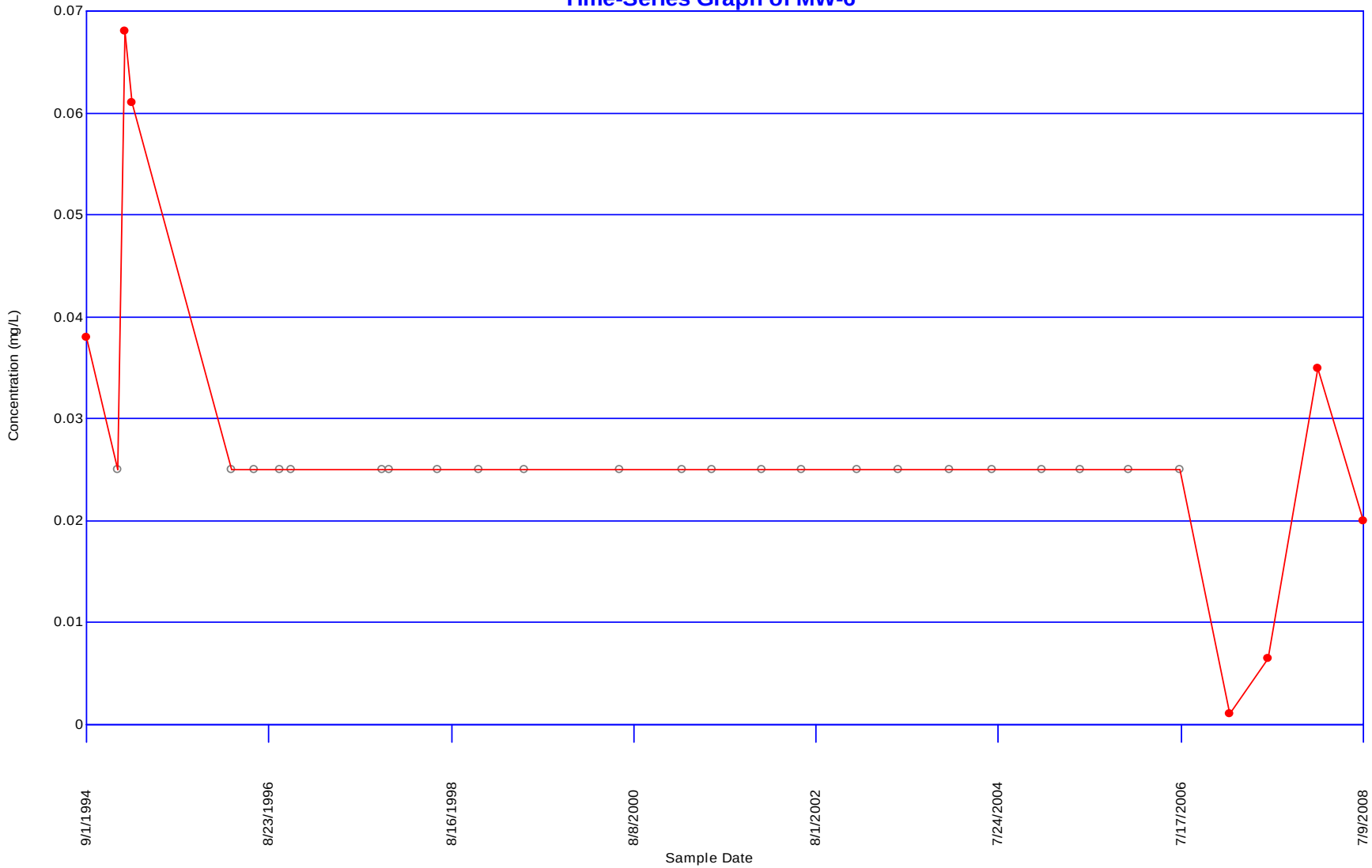
Time-Series Graph of MW-6



● = Constituent Detected Above Laboratory MDL
○ = Constituent Not Detected Above Laboratory MDL

Zinc

Time-Series Graph of MW-6



● = Constituent Detected Above Laboratory MDL
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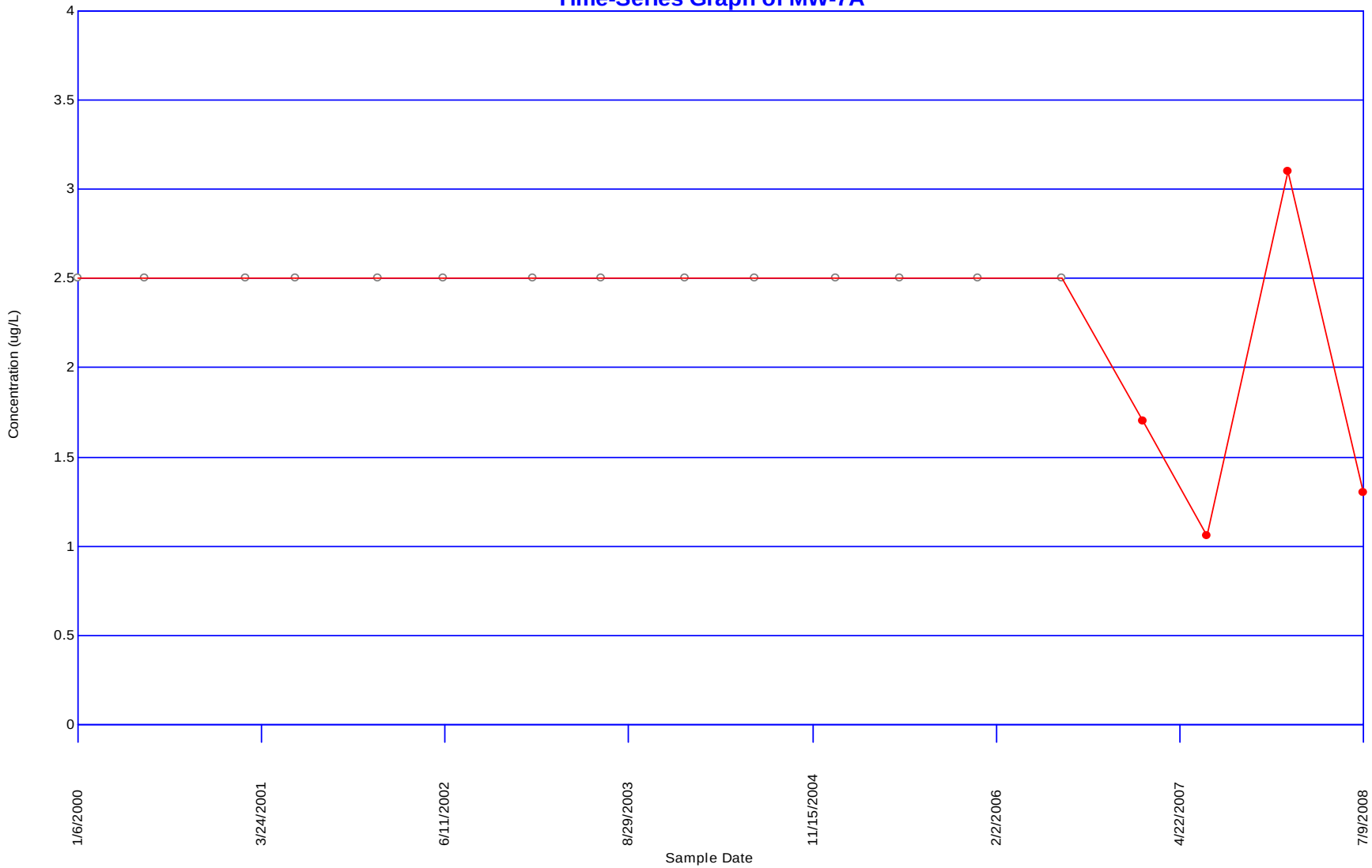
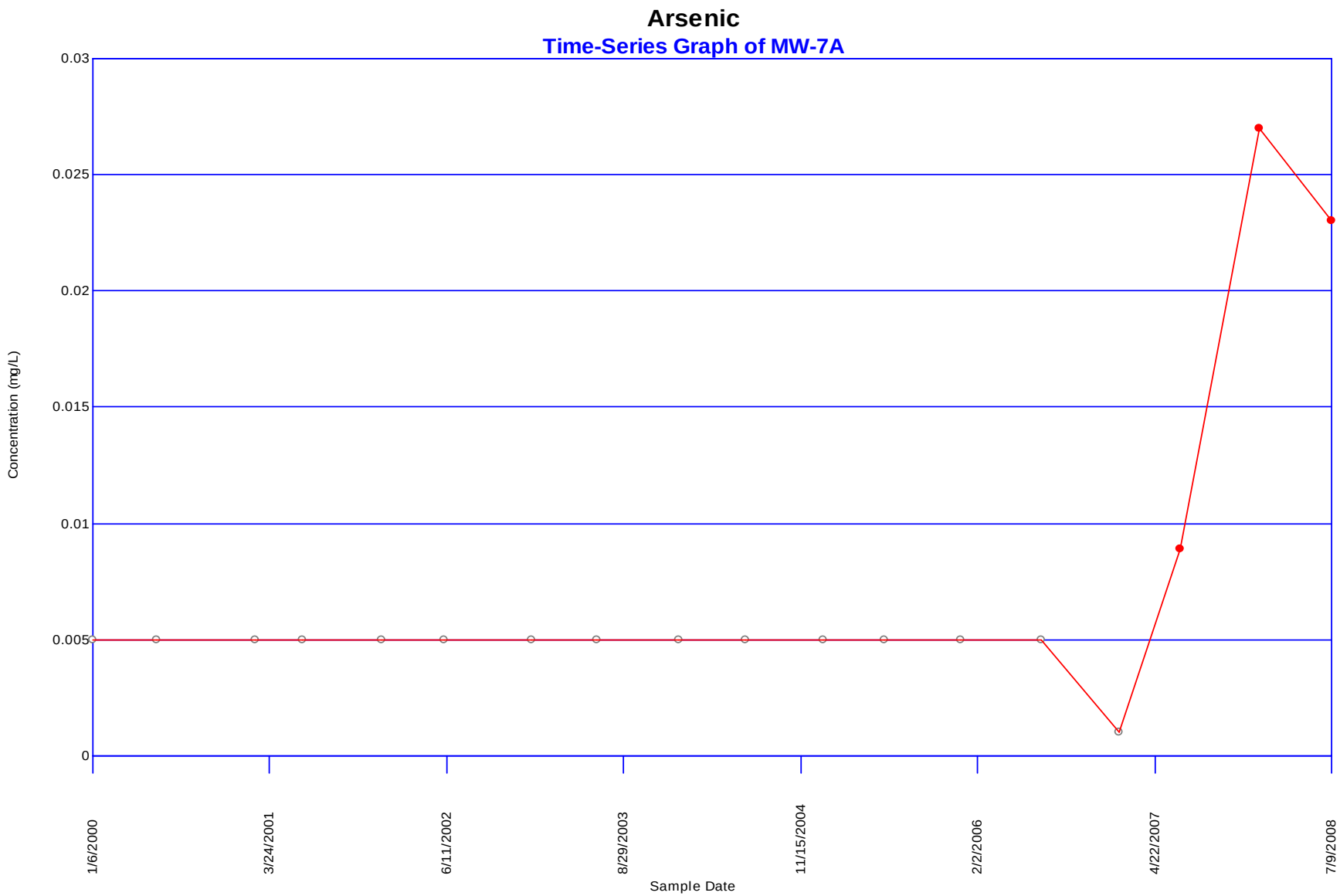
Benzene

Time-Series Graph of MW-7A



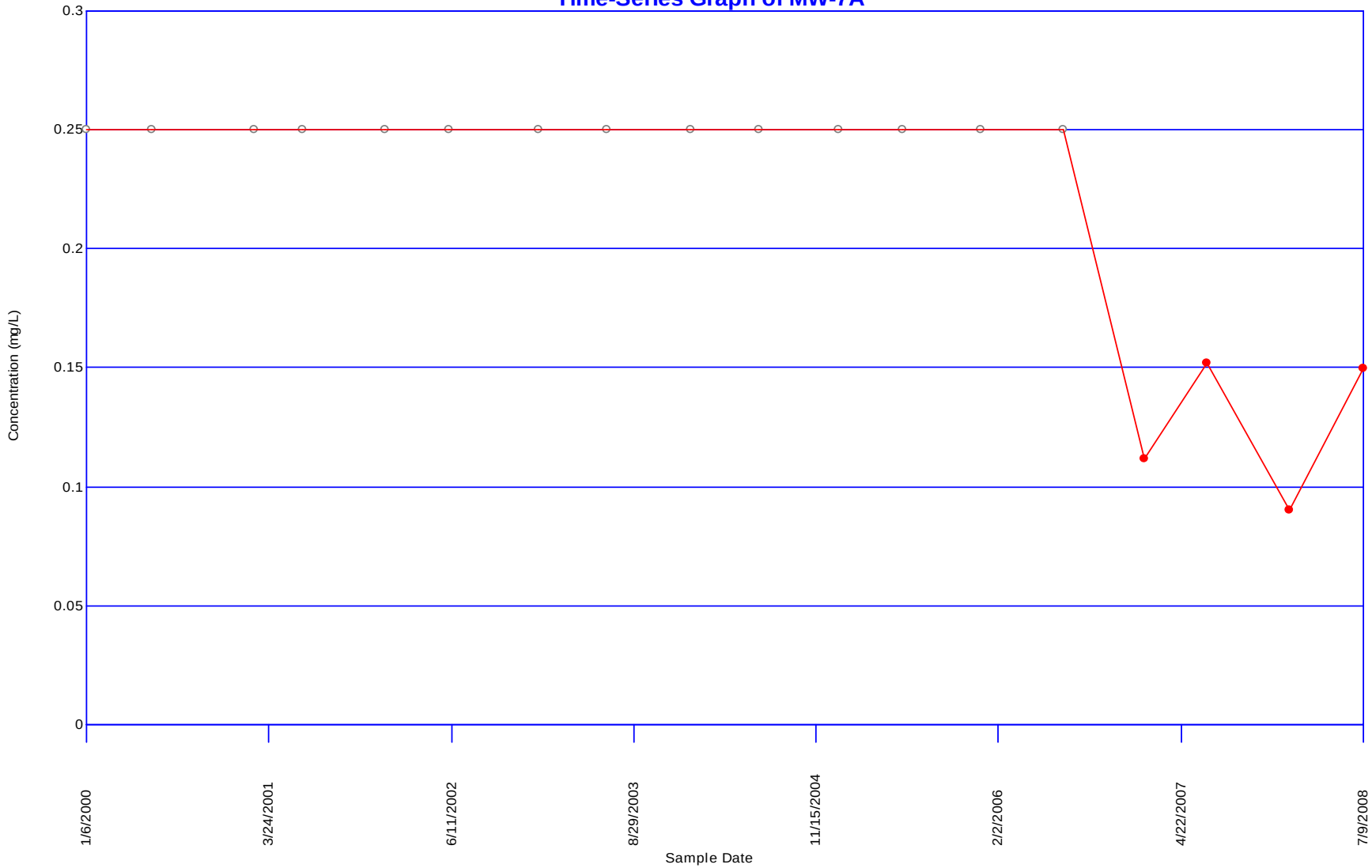
● = Constituent Detected Above Laboratory MDL
○ = Constituent Not Detected Above Laboratory MDL



● = Constituent Detected Above Laboratory MDL
○ = Constituent Not Detected Above Laboratory MDL

Barium

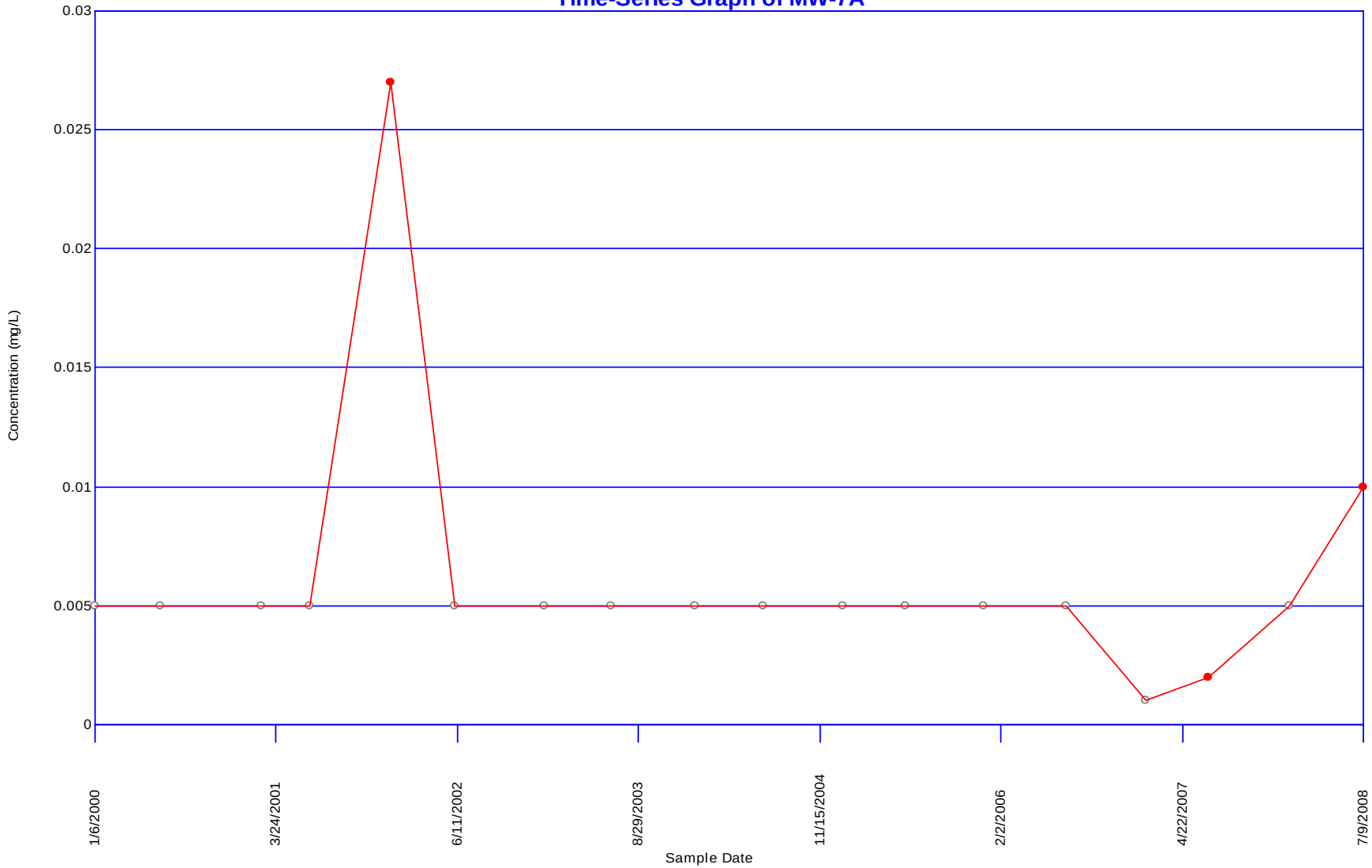
Time-Series Graph of MW-7A



● = Constituent Detected Above Laboratory MDL
○ = Constituent Not Detected Above Laboratory MDL

Chromium

Time-Series Graph of MW-7A

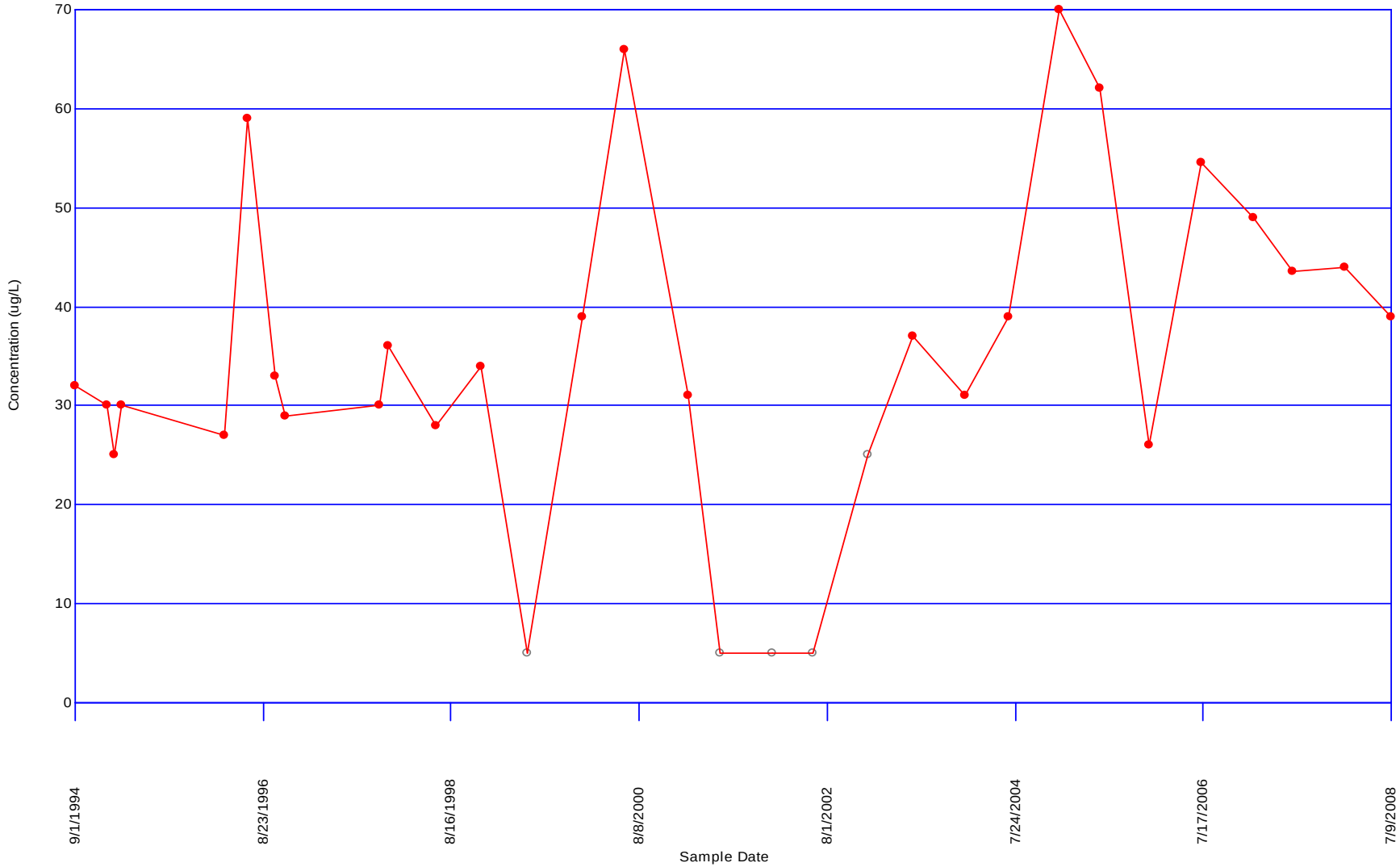


● = Constituent Detected Above Laboratory MDL
○ = Constituent Not Detected Above Laboratory MDL

Edgecombe County Landfill

Vinyl Chloride

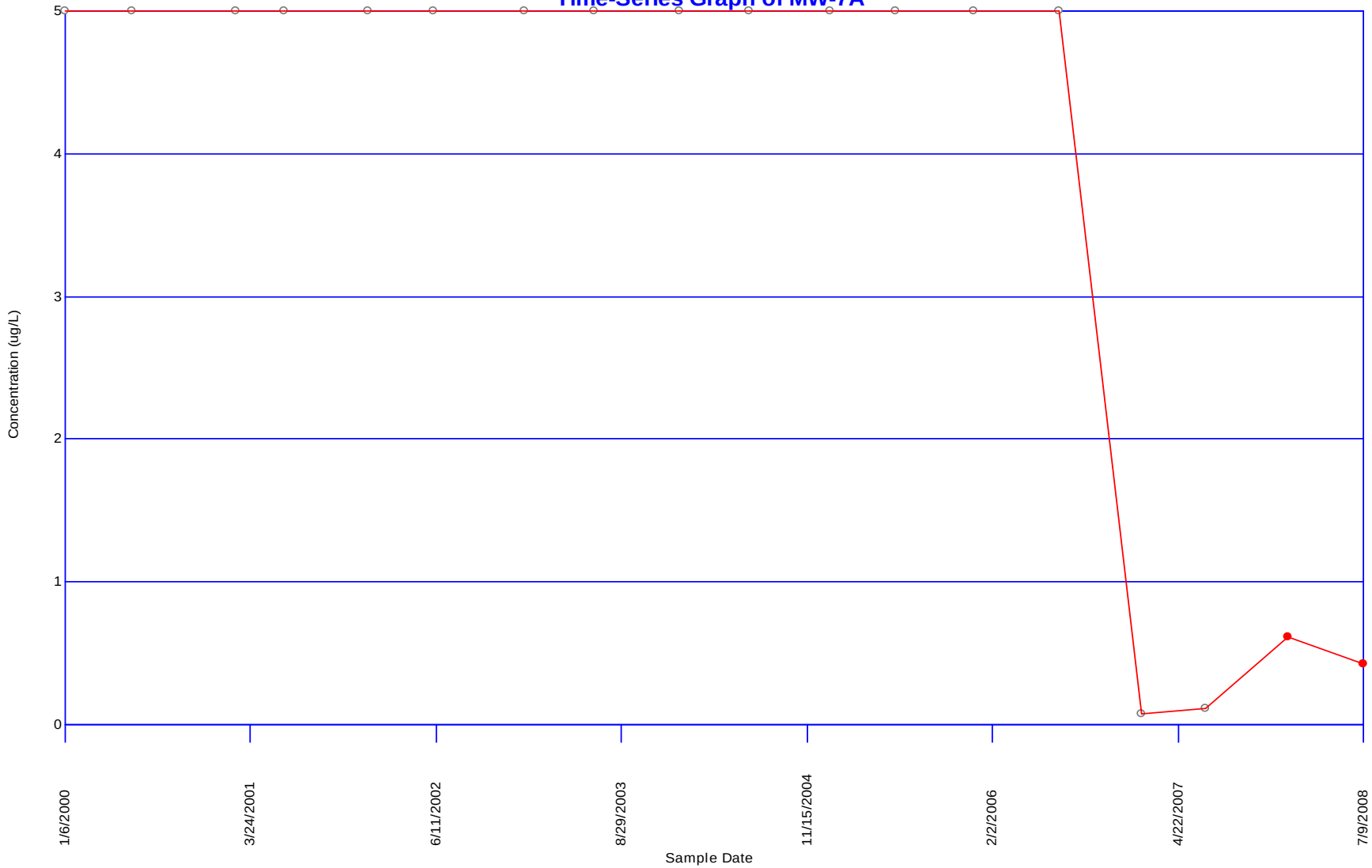
Time-Series Graph of MW-5



● = **Constituent Detected Above Laboratory MDL**
○ = **Constituent Not Detected Above Laboratory MDL**

Vinyl Chloride

Time-Series Graph of MW-7A



● = Constituent Detected Above Laboratory MDL
○ = Constituent Not Detected Above Laboratory MDL