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NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

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

Instructions:

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

Solid Waste Monitoring Data Submittal Information

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

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

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

E-mail: swatts@smeinc.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Edgecombe County Landfill	2872 Colonial Road Tarboro, NC 27886	33-01	.1600	January 18-19, 2011

Environmental Status: (Check all that apply)

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

Type of data submitted: (Check all that apply)

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

Notification attached?

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

Certification

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

Samuel P. Watts — Facility Representative Name (Print)

Consultant/Geologist — Title

(919) 872-2660 — (Area Code) Telephone Number

Signature

5/31/11 — Date

Affix NC Licensed/ Professional Geologist/Engineer Seal here:

NORTH CAROLINA LICENSED SEAL 1606 GEOLOGIST SAMUEL P. WATTS 5/31/11

Revised 01/2007

JANUARY 2011
ENVIRONMENTAL COMPLIANCE MONITORING REPORT
EDGECOMBE COUNTY LANDFILL
(PERMIT # 33-01)
TARBORO, NORTH CAROLINA

S&ME Project No. 1054-07-238C

Prepared for:

Edgecombe County
Solid Waste Department
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May 31, 2011

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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 Colonial Road (S.R. 1601) in Edgecombe County, south of Tarboro, North Carolina (**Figure 1**). In general, the solid waste facility includes a municipal solid waste (MSW) transfer facility; a construction & demolition (C&D) debris landfill unit; white goods and pallets storage area; soil borrow pits; and various operational buildings. The C&D landfill unit is operated over an existing closed MSW landfill, in general accordance with North Carolina Department of Environment and Natural Resources Division of Waste Management (NCDENR-DWM) 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 January 2011 monitoring event as required by § .0600 and .1632 of the Solid Waste Rules.

The January 2011 monitoring event included sampling for groundwater quality from the following wells which comprise the groundwater monitoring network:

Water Quality Monitoring Network Groundwater Sampling Locations

Background Monitor Wells	Compliance Monitor Wells	
MW-3B	MW-5	MW-13
MW-4	MW-6	MW-14
MW-9	MW-7A	MW-15
	MW-12	MW-16

In addition, surface water samples were collected from the upstream and downstream sampling points located on Jerry's Creek as part of the January 2011 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, the facility's *Water Quality Monitoring Plan* (WQMP) dated September 1994 and the facility's revised WQMP dated June 2008, revised January 2010.

Volatile organic compounds (VOCs) and inorganic constituents (metals) 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 metals had occurred from the

landfill. In accordance with NCDENR North Carolina 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 metals in groundwater :

- 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);

- Assessment of Corrective Measures (ACM) in accordance with Solid Waste Rules defined under 15A NCAC 13B.1635; and,

- Corrective Action Plan (CAP) in accordance with Solid Waste Rules defined under 15A NCAC 13B.1636.

The January 2011 semiannual groundwater sampling services were completed in general accordance with the requirements of the Solid Waste Rules defined under 15A NCAC 13B .1632 (Groundwater Sampling and Analysis Requirements), .1634 (Assessment Monitoring Program), and .1637 (Implementation of the Corrective Action Program).

2.0 JANUARY 2011 SAMPLING EVENT

On January 18-19, 2011, S&ME personnel collected groundwater samples from 11 monitor wells (MW-3B, MW-4, MW-5, MW-6, MW-7A, MW-9, MW-12, MW-13, MW-14, MW-15, and MW-16) at the Edgecombe County Landfill (**Figure 2**). S&ME personnel performed sampling in general accordance with the Solid Waste Rules and the facility's WQMP, dated June 2008, revised January 2010.

Prior to collecting groundwater samples, the monitor wells and piezometers listed in the WQMP network of points for groundwater elevation measurements were opened and allowed to equilibrate with atmospheric conditions before gauging the liquid level. The measurements were collected to calculate relative groundwater elevations; develop a groundwater potentiometric map; and to estimate the hydraulic gradient and groundwater flow direction at the time of the sampling event. 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**.

After the static groundwater level measurements were made from the wellhead, stagnant water from each sampled well was purged using a peristaltic pump. New silicon tubing placed through the drive of the peristaltic pump was attached to a section of 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, an YSI® multi-meter with a flow-through cell was used to measure field parameters that included pH, temperature, specific conductance, dissolved oxygen, oxidation-reduction potential, and turbidity on groundwater purged from the monitor wells. Purge parameter measurements were measured and recorded at regular intervals before sampling. The multi-meter was calibrated by Geotech Environmental Equipment and the calibration was field-checked with calibration standards by S&ME personnel before use.

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. In accordance with the WQMP, 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-13 for the purpose of Quality Control (QC). In addition, one trip blank and one equipment blank sample were also collected for QC. These results are included in **Table 2**.

Groundwater samples were collected through the silicon tubing directly into clean containers provided by the laboratory. 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 Conservation Laboratories, Inc.

(ENCO), a North Carolina-certified laboratory. ENCO tested the samples for constituents listed in 40 CFR 258 Appendix I and several additional monitored natural attenuation (MNA) parameters, selected to measure the effectiveness of the corrective actions to be implemented at the site.

S&ME personnel also collected gas-phase vapor samples from each background and compliance monitor well. The vapor samples were collected with a gas stripping cell provided by Microseeps Laboratory (Microseeps). Stagnant water from each sampled well was purged using a peristaltic pump. New silicon tubing placed through the drive of the peristaltic pump was attached to a section of dedicated Teflon-lined tubing that was inserted into the water column in the monitor well. A new section of polyethylene tubing connected the inlet port of the gas stripping cell to the silicon tubing through the drive of the peristaltic pump. A ring stand and clamp were used to secure the cell assembly during sampling. Approximately 20 milliliters (mL) of air was injected into the cell with a new syringe and plunger provided by Microseeps. Groundwater was pumped through the cell at approximately 180 mL per minute for approximately 20 minutes, which is the equilibrium time needed to strip gas at this flow rate. Once the equilibrium time expired, approximately 15 mL of sample gas was withdrawn from the cell with the syringe and plunger, and the withdrawn gas sample was injected into a new sample vial provided by the laboratory. Once filled, the sample vials were sealed, labeled, and placed into a cardboard box with packing material. The samples were submitted under chain-of-custody protocols to Microseeps in Pittsburgh, Pennsylvania. Microseeps tested the vapor samples for hydrogen by Method AM20GAX.

The results of analytical testing are discussed in **Section 4.1** and a summary of constituent concentrations are presented in **Table 1**, **Table 2,** and **Table 3**. A copy of the laboratory reports 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 and the drainage features in the active landfill area. During flood conditions, the southwest perimeter trench and the farm pond located in the southeast corner of the site 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 fifteen monitor wells and twelve piezometers of the site monitoring network were measured prior to sampling.

Static water level measurements collected during the January 2011 sampling event (Table 1) were used to calculate the corresponding groundwater elevations based on surveyed top of casing (TOC) elevations. A groundwater potentiometric map was developed using the groundwater elevations (**Figure 2**). Based upon the groundwater potentiometric surface elevations, the groundwater flow direction was estimated to be to the north-northeast. The average horizontal hydraulic gradient was calculated from three point calculation solutions using two sets (three wells per set) of groundwater elevation data measured on January 18, 2011 and by applying the following equation (Driscoll, 1986):

$$i = \frac{h_1 - h_2}{L}$$

where:

i = Hydraulic gradient
$h_1 - h_2$ = Difference in hydraulic head (feet)
L = Distance along flow path (feet)

The three point calculation is used to estimate the hydraulic gradient perpendicular to a groundwater potentiometric contour of equal elevation determined from high, intermediate, and low groundwater elevations at three monitor wells. The gradient calculated perpendicular to the equal elevation contour plotted from the well set is representative of a true gradient rather than the apparent gradient that is estimated from a two-well point gradient calculation. Based on the Driscoll gradient equation and using a third groundwater elevation to plot the equal elevation contour, the distance L can be measured between h_1 and h_2 perpendicular to the equal elevation contour to estimate the true hydraulic gradient for the three groundwater elevation data points. The average

horizontal hydraulic gradient from two three point solutions using well sets MW-3B, MW-7A, and MW-5, and P-1, MW-7A and MW-5 is estimated to be 0.0196 ft/ft. The hydraulic gradient calculations are included in **Appendix III**.

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 year (ft/yr)]
K = Hydraulic conductivity (ft/yr)
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, K, 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 0.0196 ft/ft, calculated from the three point solution described above was used as the site-wide average gradient. An effective soil porosity, n, of 15% was used as the site-wide average.

Calculations performed using the equation and input values above estimate that the average groundwater flow velocity, V, for the site was approximately 8.04 ft/yr. Groundwater flow velocity calculations are included in **Appendix III**. The average groundwater flow velocity information is presented on **Figure 2**.

4.0 GROUNDWATER QUALITY

In general accordance with the assessment monitoring requirements described in § .1634 of the Solid Waste Rules, S&ME sampled three background and eight compliance groundwater monitor wells during the January 2011 sampling event. The samples were analyzed by ENCO for constituents listed in the 40 CFR 258, Appendix I analyte list using the analytical methods that included EPA Method 6010/6020 (metals) and Method 8260B (VOCs). Groundwater samples from each background and compliance well were also tested for additional MNA parameters; the test methods are listed in the ENCO laboratory report. Results from the groundwater laboratory analyses are presented in the following sections. The field measurements and analytical results are summarized on **Table 1,** and the groundwater summary of compound detections is presented in **Table 2** and **Table 3**. The chain-of-custody form and the laboratory reports from ENCO are provided in **Appendix I**.

During the January 2011 sampling event, several groundwater samples (MW-9, MW-7A, MW-12, MW-13, and MW-15) were analyzed for both total metals (required) and dissolved metals (voluntary additional). The purpose of the dissolved analyses was to provide additional data for interpretation of total metals results. Analysis of total metals provides the level of both dissolved and mobile particulate-associated metals available for potential transport. Typically, a dissolved (filtered) metal determination is less than its concentration as a total (unfiltered) metal, indicating that mobile particulates, removed by filtering for the dissolved analysis, contribute to the total concentration. A high total metals result paired with a low to non-detectable dissolved metals result suggests that the total metal concentration reported by the laboratory may be the result of turbidity (suspended solids) in the sample. Mobile particulates are frequently present in groundwater with high turbidity, such as has been previously observed in groundwater sampled from several of the on-site wells.

Effective December 1, 2006 NCDENR-DWM, 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 ENCO, detections above the MDL but below the method reporting limit (MRL) 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) which were recently revised and became effective January 1, 2010. 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 groundwater, the NCDENR-DWM Section 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.

4.1.1 Compare Background and Compliance Detections to the SWSL

The following table summarizes the monitor well locations where 13 Appendix I constituents were detected at levels that are equal to or exceed the **SWSL** concentration in one or more samples in the January 2011 monitoring event:

January 2011 Groundwater Sampling Event
Appendix I Constituent Concentration Detected Equal to or Greater than SWSL

Background Monitor Wells	**Appendix I Detected Constituents Equal to or Greater Than Their SWSL**
MW-3B	barium, beryllium, cobalt, zinc
MW-4	--
MW-9	barium
Compliance Monitor Wells	**Appendix I Detected Constituents Equal to or Greater Than Their SWSL**
MW-5	chlorobenzene, 1,4-dichlorobenzene, 1,1-dichloroethane, cis-1,2-dichloroethene, vinyl chloride, barium, cobalt, zinc
MW-6	zinc
MW-7A	benzene, chlorobenzene, 1,4-dichlorobenzene, arsenic, barium, copper
MW-12	benzene, chlorobenzene, 1,4-dichlorobenzene, barium, cobalt, zinc
MW-13	chlorobenzene, 1,4-dichlorobenzene, cis-1,2-dichloroethene, vinyl chloride, barium, cobalt, nickel, zinc
MW-14	barium
MW-15	cis-1,2-dichloroethene, 1,2-dichloropropane, vinyl chloride, barium, cobalt
MW-16	barium

-- = No Appendix I constituent concentrations were detected above SWSL

Volatile Organic Compounds

No Appendix I VOC concentrations 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 nor were they detected in the groundwater samples collected from the downgradient compliance monitor wells MW-6, MW-14, and MW-16.

The table above lists the VOCs detected in groundwater sampled from monitor wells MW-5, MW-7A, MW-12, MW-13, and MW-15 that were detected above their respective SWSLs.

Inorganic Compounds

The table above lists the inorganic compounds detected in groundwater sampled from the upgradient background monitor wells MW-3B and MW-9 and downgradient compliance monitor wells MW-5, MW-6, MW-7A, MW-12, MW-13, MW-14, MW-15, and MW-16 that were detected above their respective SWSLs. Three inorganic compounds were detected in the groundwater sample collected from background monitor well MW-4, but below their respective SWSLs.

The dissolved concentration of barium reported in the filtered sample from MW-9 (91.4J µg/L) was less than the SWSL of 100 µg/L, versus 190 µg/L of barium detected in the unfiltered sample from MW-9. In addition, the dissolved concentration of arsenic detected in the filtered sample from MW-7A was less than the laboratory's Method Detection Limit (MDL) of 2.80 µg/L and SWSL of 10 µg/L, versus 16 µg/L of arsenic detected in the in the unfiltered sample from MW-7A. The dissolved concentration of copper reported in the filtered sample from MW-7A (4.99J µg/L) was less than the SWSL of 10 µg/L, versus 10.1 µg/L of copper detected in the unfiltered sample from MW-7A.

4.1.2 Compare Background and Compliance Detections to Standards

The following table summarizes the monitor well locations where 10 Appendix I constituents were detected above the **2L Standard or GWPST** (presented in **Table 2**). The compounds were detected in one or more groundwater samples analyzed for the January 2011 monitoring event:

January 2011 Groundwater Sampling Event
Appendix I Constituent Concentration Detected Above 2L Standard or GWPST

Background Monitor Wells	Appendix I Detected Constituents Above 2L Standard or GWPST
MW-3B	cobalt
MW-4	--
MW-9	--
Compliance Monitor Wells	**Appendix I Detected Constituents Above 2L Standard or GWPST**
MW-5	1,4-dichlorobenzene, 1,1-dichloroethane, cis-1,2-dichloroethene, vinyl chloride, cobalt
MW-6	cobalt
MW-7A	benzene, arsenic
MW-12	benzene, cobalt
MW-13	vinyl chloride, cobalt, nickel, thallium
MW-14	--
MW-15	1,2-dichloropropane, vinyl chloride, cobalt
MW-16	cobalt

-- = No Appendix I constituent concentrations were detected above 2L Standard or GWPST.

No Appendix I VOC or inorganic compound concentrations were detected above their respective 2L Standards or GWPSTs, in the groundwater samples collected from the upgradient background monitor wells MW-4 and MW-9, nor were they detected in the groundwater sample collected from the downgradient compliance monitor well MW-14. Constituent concentrations were detected above their respective 2L Standard or GWPST in groundwater samples collected from background monitor well MW-3B and compliance monitor wells MW-5, MW-6, MW-7A, MW-12, MW-13, MW-15 and MW-16.

As mentioned previously, the dissolved concentration of arsenic detected in the filtered sample from MW-7A was less than the laboratory MDL of 2.80 µg/L, versus 16 µg/L of arsenic detected in the in the unfiltered sample from MW-7A. The concentration of 16 µg/L in the unfiltered sample is greater than the 2L Standard of 10 µg/L established for arsenic.

Constituent detections above the 2L Standard or GWPST trigger implementing the assessment monitoring program in general accordance with § .1634 of the Solid Waste Rules. However, constituents above the 2L Standard or GWPST were previously detected, therefore this monitoring event was performed in general accordance with § .1634 (d)(2) of the Solid Waste Rules since the Assessment Monitoring Program was already implemented. An Alternate Source Demonstration (ASD) study was performed

in general accordance with Solid Waste Rules defined under 15A NCAC 13B.1633(c)(3) and .1634(g)(2); the Nature and Extent Study (NES) was prepared in general accordance with Solid Waste Rules defined under 15A NCAC 13B.1634(g)(1); the Assessment of Corrective Measures (ACM) was performed in general accordance with Solid Waste Rules defined under 15A NCAC 13B.1635; and the Corrective Action Plan (CAP) was prepared and approved by the NCDENR in general accordance with Solid Waste Rules defined under 15A NCAC 13B.1636. The corrective measures are in the process of being implemented, therefore, monitoring for this event is also for compliance with § .1637 (a)(1) under Implementation of the Corrective Action Program.

4.1.3 Compare Background and Compliance Detections to MDL

The analytical data was reviewed by comparing constituent detections in the background and compliance monitor wells to the laboratory's Method Detection Limit (MDL). Twenty-three Appendix I constituents (summarized in **Table 2**) were detected above the MDL in one or more groundwater samples collected during the January 2011 monitoring event.

The dissolved concentrations of two inorganic compounds (copper and zinc) were reported as less than their respective laboratory MDLs in the filtered samples and above their respective laboratory MDLs in the unfiltered samples for three compliance monitor wells (MW-12, MW-13, and MW-15).

4.1.4 Geochemical / Monitored Natural Attenuation (MNA) Parameters

Groundwater samples were analyzed for geochemical and monitored natural attenuation (MNA) parameters in each background and compliance monitor well. The analyses were performed to review the status of previously discovered impact to the groundwater from landfill leachate, as well as to review the geochemical parameters that may indicate that the degradation process to reduce leachate constituent concentrations is occurring. The MNA parameters and field parameters measured at the background and compliance monitor wells were used to assess the natural biological degradation process of constituents released to the groundwater. **Table 3** is a summary of the geochemical and MNA constituent results from field measurements and from analytical testing performed during the January 2011 monitoring event.

The field parameter data measured using the YSI® multi meter with flow through cell (or equivalent) was reviewed to assess the potential biological activity and the type of environment that appears to be helping to destroy concentrations of source contaminants (i.e. tetrachloroethene, trichloroethene, and hydrocarbons) present in landfill leachate. Dissolved oxygen (DO) concentrations that are less than 1 milligram per liter (mg/L) indicate anaerobic conditions in the aquifer. Low DO measurements were observed in background well MW-3B and compliance wells MW-5, MW-13, MW-14, MW-15, and MW-16.

The review of geochemical and MNA parameter data in tandem with groundwater quality data indicate that reductive dechlorination is occurring under anaerobic conditions at the site. Evidence of this are the elevated alkalinity, chloride, carbon dioxide, and methane

values compared to upgradient or background sample measurements. In addition, monitor well MW-13 (record sample and duplicate sample) is the only sample location in the January 2011 event that had a low level detection of trichloroethene (TCE). The groundwater sample collected from monitor well MW-13 (record sample and duplicate sample) also had detections of daughter compound concentrations from the reduction of TCE including 1,1-dichloroethane, cis-1,2-dicloroethene, and vinyl chloride, as well as detections of compounds indicative of hydrocarbon degradation including chlorobenzene and 1,4-dichlorobenzene. Similarly, low levels of chlorinated daughter compounds and/or hydrocarbons were also detected in wells MW-5, MW-7A, MW-12, and MW-15. Chloride is a metabolic byproduct of the total reduction of chlorinated solvents. Chloride concentrations were detected in the samples collected from background wells MW-3B, MW-4, and MW-9 and downgradient compliance wells MW-5, MW-6, MW-7A, MW-12, MW-13, MW-14, MW-15, and MW-16.

Further analyses for the geochemical parameters from selected monitor wells in the network will be necessary to review influences on constituent concentrations by naturally occurring biological degradation processes.

4.1.5 Quality Control

Quality assurance and quality control of field sampling methods and analytical test 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 for Appendix I constituents by the same methods and for the same target constituents as the record samples, with the exception of dissolved metals. Duplicate sample analysis documents the consistency of field sampling methods and the consistency of laboratory testing between samples. Equipment blank sample analysis documents the quality of sampling equipment and decontamination procedures used to reduce the potential of 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 Appendix I VOCs and inorganic compounds detected in the record and in the duplicate samples collected from monitor well MW-13 were within an acceptable tolerance level and indicate a suitable replication of results from the test procedures. Chloroethane was only detected in the duplicate sample (0.43J µg/L) collected from monitor well MW-13 and not in the record sample (<0.30 µg/L) collected from MW-13. These results fall within an acceptable tolerance level and indicate suitable replications of results from the test procedures.

Copper was the only constituent detected at a concentration that exceeded its respective MDL, but below its respective SWSL in the equipment blank sample. Because copper was detected in the equipment blank sample, the determination of the presence of copper in the monitor well record samples was inconclusive.

No target constituents were detected in the trip blank sample.

It is important to note that the laboratory MDLs for vinyl chloride (0.30 µg/L) and vanadium (1.40 µg/L) for groundwater samples are greater than the 2L Standard of 0.03 µg/L for vinyl chloride and the GWPST of 0.3 µg/L for vanadium. Therefore, vinyl chloride and vanadium may have been present at concentrations above their respective 2L Standard/GWPST, but were reported as being below their respective MDLs. In addition, due to the dilution factor of 10 used in the analysis of groundwater from the monitor well MW-5 sample VOC analysis, the laboratory MDLs for benzene (<2.0 µg/L), 1,2-dichloropropane (<2.0 µg/L), methylene chloride (5.3 µg/L), and trichloroethene (<3.8 µg/L) are greater than the 2L Standards of 1 µg/L, 0.6 µg/L, 5 µg/L, and 3 µg/L, respectively. Therefore, benzene, 1,2-dichloropropane, methylene chloride, and trichloroethene may have been present at concentrations above their respective 2L Standards in the sample collected from monitor well MW-5, but were reported as being below their respective MDLs.

4.2 Surface Water Analytical Data

Cobalt was detected above the GWPST in the upstream and downstream surface water samples, but below the SWSL and below the National Criteria per the EPA for Class C Waters. In addition, zinc was detected above the SWSL in the upstream and downstream surface water samples, but below the 2L Standard and National Criteria per the EPA for Class C Waters. The inorganic compounds barium and copper were detected above their respective MDLs in the upstream and downstream surface water samples, but below their respective SWSLs and below the National Criteria per the EPA for Class C Waters. Nickel was also detected above the MDL in the downstream surface water sample, but below the SWSL and below the National Criteria per the EPA for Class C Waters.

The results of the laboratory analyses are summarized in **Table 1** and **Table 2**. The laboratory report is provided in **Appendix I**. Groundwater and surface water monitoring locations are illustrated on **Figure 2**.

5.0 DISCUSSION OF GROUNDWATER DETECTIONS

As discussed in **Section 4.0**, the following 23 individual Appendix I constituents were detected during the January 2011 monitoring event:

January 2011 Groundwater Sampling Event
Appendix I Constituent Concentration Detected Above MDL

Background Monitor Wells	Appendix I Detected Constituents Detected Above MDL
MW-3B	barium, beryllium, cadmium, cobalt, nickel, thallium, zinc
MW-4	antimony, barium, copper
MW-9	barium
Compliance Monitor Wells	**Appendix I Detected Constituents Detected Above MDL**
MW-5	chlorobenzene, 1,4-dichlorobenzene, 1,1-dichloroethane, cis-1,2-dichloroethene, vinyl chloride, antimony, arsenic, barium, cobalt, copper, nickel, selenium, silver, zinc
MW-6	barium, beryllium, cobalt, nickel, selenium, zinc
MW-7A	benzene, chlorobenzene, 1,4-dichlorobenzene, cis-1,2-dichloroethene, arsenic, barium, copper, selenium
MW-12	benzene, chlorobenzene, chloroethane, 1,4-dichlorobenzene, 1,1-dichloroethane, cis-1,2-dichloroethene, barium, beryllium, cobalt, copper, nickel, selenium, thallium, zinc
MW-13	chlorobenzene, chloroethane*, 1,4-dichlorobenzene, 1,1-dichloroethane, cis-1,2-dichloroethene, trichloroethene, vinyl chloride, barium, cobalt, copper, lead, nickel, selenium, silver, thallium, zinc
MW-14	barium
MW-15	chloroethane, 1,1-dichloroethane, cis-1,2-dichloroethene, trans-1,2-dichloroethene, 1,2-dichloropropane, vinyl chloride, barium, cobalt, copper, nickel, selenium, silver, zinc
MW-16	barium, cobalt, nickel, selenium

* = constituent detected in duplicate sample, but not record sample

Thirteen of the 23 Appendix I constituents detected during the January 2011 monitoring event are inorganic compounds. In June 2008 S&ME performed an Alternate Source Demonstration (ASD) study that concluded that several inorganic compounds detected in groundwater were the result of the natural occurrence of these constituents in the native, residual soil. The detections of the thirteen inorganic compounds were compared to the Dilution/Attenuation Factor (DAF) computations included in the ASD (reference **Table 2**). This comparison indicates that the concentrations of the naturally occurring metals arsenic, beryllium, cadmium, copper, lead, selenium, thallium, and zinc within the in-situ soil at the facility are sufficient to influence the concentrations of these metals in

groundwater samples collected during the January 2011 monitoring event. Therefore, only five of the 14 inorganic compounds (antimony, barium, cobalt, nickel, and silver) detected during the January 2011 monitoring event are included in the statistical analyses.

As required by Sections .1632, .1633, and .1634 of the Solid Waste Rules and the facility's WQMP (S&ME, 2008, Revised 2010), statistical analyses were applied to the January 2011 analytical results. Those analytes detected during the January 2011 sampling event were reviewed and analyzed in comparison to previous sampling results from the Edgecombe County Landfill facility. This method was used in order to evaluate trends and changes in the sampling results as well as statistically significant differences between upgradient and downgradient wells.

The data set used to evaluate the January 2011 detections at the Edgecombe County Landfill facility includes 36 groundwater sampling events completed between September 1994 and January 2011. Since several wells were abandoned or replaced during this time period, S&ME selected data from three existing background wells (MW-3B, MW-4, and MW-9) and data from eight existing compliance wells (MW-5, MW-6, MW-7A, MW-12, MW-13, MW-14, MW-15, and MW-16) located at the Edgecombe County Landfill to use in the statistical analyses.

5.1 Statistical Analysis

Analyses of historical data provided insight into the dynamics of the analytes detected during the January 2011 monitoring event. By using a larger array of data, S&ME was able to apply statistical procedures to evaluate trends in groundwater quality. This statistical evaluation used a step-wise approach to identify potential releases from the landfill.

5.1.1 Evaluation of Non-Detected Values

First, the data was evaluated for non-detected values. Our analyses showed that the data for Edgecombe County Landfill contains more than 50 percent non-detected results for individual analytes, most of which (11 of 17 analytes) exceeded 80 percent non-detected results. A summary of the non-detected results used to select the statistical analyses (the Wilcoxon Rank-Sum Test) is shown on **Table 4**.

5.1.2 Results of the Wilcoxon Rank-Sum Test

The application of the Wilcoxon Rank-Sum Test (WRST) was the second step in the statistical analyses. Due to the large number of non-detected values, the WRST, a non-parametric statistical analysis, was used to compare individual downgradient or compliance wells to the upgradient or background well group. This analysis was performed on data sets of VOCs and five inorganic constituents. However, statistical evidence at this level does not necessarily dictate non-compliance with regard to

groundwater quality. The result of the WRST analyses for data from September 1994 to January 2011 is summarized in **Table 5**.

Evidence of a release from the landfill was found for several Appendix I VOCs and four inorganic constituents (barium, cobalt, nickel, and silver). Statistical evidence of a release is supported by the reported detections of VOCs and/or inorganic constituents in compliance wells MW-5, MW-6, MW-7A, MW-12, MW-13, MW-14, MW-15, and MW-16.

5.1.3 Comparison of 95% Upper Confidence Level to Groundwater Standards

The third step was to compare significant findings of a release for each analyte to its respective standard. Using the Two-Tailed Test of Proportions non-parametric procedure, a comparison of the analytes with statistical evidence of a release at the 95% upper predictive limit (UPL) was compared to their respective 2L Standard/GWPST. This comparison is summarized in **Table 6**. The following individual analytes statistically exceeded their respective groundwater standards:

Analytes Whose 95% UPL Exceeds Groundwater Standards

Analyte
Benzene
1,4-Dichlorobenzene
1,1-Dichloroethane
cis-1,2-Dichlorethene
Methylene chloride
Trichloroethene
Vinyl chloride
Nickel

Notes:

*Indicates there is currently no 2L Standard. The target analyte was compared to the Solid Waste Groundwater Protection Standard (GWPST).

5.2 Qualitative Groundwater Review of Analytical Results

For those analytes detected during the January 2011 sampling event whose 95% UPL exceeds their respective groundwater standards, S&ME performed a trend analysis of the data and of time concentration graphs to assess whether groundwater quality was improving, degrading, or remaining constant.

The Groundwater Protection Standards (GWPSTs) have recently been revised and the standard for cobalt has decreased from the previous GWPST of 70 µg/L to the current

GWPST of 1 µg/L. Due to this decrease in the GWPST for cobalt, the Two-Tailed Test of Proportions (described above in **Section 5.1.3**) indicates that there is no significant evidence of contamination at the 95% confidence level in compliance location observations when compared to background and to the GWPST of 1 µg/L. In the past, cobalt has been considered a constituent of concern at the landfill, due to statistical evidence of contamination using the previous GWPST of 70 µg/L. For consistency, S&ME has also performed a trend analysis of the cobalt data.

Data entry and analysis was performed using the ChemStat® statistical software by Starpoint Software following EPA and DWM protocols for approved statistical analysis methods for groundwater data. The January 2011 data was entered into the historical source database for the site, and was reviewed and evaluated using the statistical analysis methods discussed in **Section 5.1**. Time series graphs for wells MW-5, MW-6, MW-7A, MW-12, MW-13, and MW-15 are graphical representations of data trends over time and are included in **Appendix IV** of this report. These time series graphs are of groundwater quality for those chemical constituents that; 1) were detected during the January 2011 sampling event, 2) resulted in significant evidence of a release, or 3) whose 95% UPL have exceeded its respective standard.

For those analytes detected during the January 2011 sampling event with no evident trend, S&ME performed a statistical trend analysis. The analyses used were the Mann-Kendall analyses (one analysis for upward trends and one analysis for downward trends) and the Sen's Slope analysis, which analyses for both upward and downward trends. **Table 7** presents the results of the trend analyses for each compound in each well.

5.2.1 Compliance Monitor Well MW-5

Five Appendix I VOCs (chlorobenzene, 1,4-dichlorobenzene, 1,1-dichloroethane, cis-1,2-dichloroethene, and vinyl chloride) and three inorganic compounds (barium, cobalt, and zinc) were detected in the sample collected from monitor well MW-5 above their respective SWSLs during the January 2011 sampling event. Concentrations of chlorobenzene and barium have been detected sporadically over time, and the 95% UPLs for these detections at the facility do not exceed their respective groundwater standards. The concentrations of the naturally occurring metal zinc within the in-situ soil at the facility are sufficient to influence the concentrations of zinc in the groundwater sample collected from monitor well MW-5 during the January 2011 monitoring event. Therefore, no trend analyses were performed for these constituents at monitor well MW-5. Concentrations of benzene, methylene chloride, and trichloroethene were not detected in the sample collected from MW-5 during the January 2011 sampling event. Nickel was detected in the sample collected from monitor well MW-5 during the January 2011 sampling event, but below its respective SWSL. However, concentrations of benzene, methylene chloride, trichloroethene, and nickel have been detected sporadically over time, and the 95% UPL for these detections at the facility exceed the respective groundwater standards. Therefore, a trend analysis was also performed for benzene, methylene chloride, trichloroethene, and nickel at monitor well MW-5.

In monitor well MW-5, the 95% UPL exceeds the respective groundwater standards for seven Appendix I VOCs and two inorganic constituent (benzene, 1,4-dichlorobenzene, 1,1-dichloroethane, cis-1,2-dichloroethene, methylene chloride, trichloroethene, vinyl chloride, cobalt, and nickel). A qualitative review of the trend graphs (see **Appendix IV**) for four of the Appendix I constituents (benzene, 1,1-dichloroethane, trichloroethene, and nickel) show a trend of decreasing concentrations over time. The trend graphs for the VOC cis-1,2-dichloroethene and the inorganic constituent cobalt show a trend of increasing concentrations over time. A review of the time series data graphs shows no evident trend for 1,4-dichlorobenzene, methylene chloride, and vinyl chloride concentrations in well MW-5, so a Mann-Kendall and a Sen's Slope statistical trend analysis were applied to the data. **Table 7** presents the results of the Mann-Kendall and a Sen's Slope statistical trend analyses for each compound in each well. The Mann-Kendall and the Sen's Slope analysis resulted in no evident trend for 1,4-dichlorobenzene, methylene chloride, and vinyl chloride concentrations in monitor well MW-5.

5.2.2 Compliance Monitor Well MW-6

One Appendix I inorganic compound (zinc) was detected in monitor well MW-6 above its respective SWSL during the January 2011 sampling event. However, the concentrations of the naturally occurring metal zinc within the in-situ soil at the facility are sufficient to influence the concentrations of zinc in the groundwater sample collected from monitor well MW-6 during the January 2011 monitoring event. Statistical analyses of historical data from compliance well MW-6 indicate that the 95% UPL exceeds the respective groundwater standard for two Appendix I constituents (1,1-dichloroethane and cis-1,2-dichloroethene). A qualitative review of the time series data graphs show no evident trends for 1,1-dichloroethane or cis-1,2-dichloroethene concentrations in well MW-6, so a Mann-Kendall and a Sen's Slope statistical trend analysis were applied to the data. The Mann-Kendall and the Sen's Slope analysis resulted in no evident trends for 1,1-dichloroethane or cis-1,2-dichloroethene. Results of trend analyses are included in **Table 7**. The time series graphs for 1,1-dichloroethane and cis-1,2-dichloroethene concentrations in compliance well MW-6 are included in **Appendix IV**.

5.2.3 Compliance Monitor Well MW-7A

Three Appendix I VOCs (benzene, chlorobenzene, and 1,4-dichlorobenzene) and three inorganic compounds (arsenic, barium, and copper) were detected in monitor well MW-7A above their respective SWSLs during the January 2011 sampling event. However, the concentrations of the naturally occurring metals arsenic and copper within the in-situ soil at the facility are sufficient to influence the concentrations of these metals in the groundwater sample collected from monitor well MW-7A during the January 2011 monitoring event. In addition, concentrations of chlorobenzene and barium have been detected sporadically over time, and the 95% UPL for these detections at the facility does not exceed their respective groundwater standards. Concentrations of cis-1,2-dichloroethene and vinyl chloride have been detected sporadically over time, and the 95% UPLs for these detections at the facility exceed their respective groundwater

standards. Therefore, trend analyses were also performed for cis-1,2-dichloroethene and vinyl chloride at monitor well MW-7A.

A qualitative review of the time series data graphs show no evident trend for benzene, 1,4-dichlorobenzene, cis-1,2-dichloroethene, and vinyl chloride concentrations in well MW-7A, so a Mann-Kendall and a Sen's Slope statistical trend analysis were applied to the data. **Table 7** presents the results of the Mann-Kendall and a Sen's Slope statistical trend analyses for each compound in each well. The Mann-Kendall and the Sen's Slope analysis resulted in no evident trend for benzene, 1,4-dichlorobenzene, cis-1,2-dichloroethene, or vinyl chloride concentrations in monitor well MW-7A.

5.2.4 Compliance Monitor Well MW-12

Three Appendix I VOCs (benzene, chlorobenzene, and 1,4-dichlorobenzene) and three inorganic compounds (barium, cobalt, and zinc) were detected in monitor well MW-12 above their respective SWSLs during the January 2011 sampling event. However, concentrations of chlorobenzene and barium have been detected sporadically over time, and the 95% UPLs for these detections at the facility do not exceed their respective groundwater standards. In addition, the concentrations of the naturally occurring metal zinc within the in-situ soil at the facility are sufficient to influence the concentration of this metal in the groundwater sample collected from monitor well MW-12 during the January 2011 monitoring event. Concentrations of 1,1-dichloroethane, cis-1,2-dichloroethene, and vinyl chloride have been detected sporadically over time, and the 95% UPLs for these detections at the facility exceed their respective groundwater standards. Therefore, trend analyses were also performed for 1,1-dichloroethane, cis-1,2-dichloroethene, and vinyl chloride at monitor well MW-12.

The trend graph for 1,1-dichloroethane shows a trend of decreasing concentrations over time. A review of the time series data graphs show no evident trend for benzene, 1,4-dichlorobenzene, cis-1,2-dichloroethene, vinyl chloride, and cobalt concentrations in well MW-12, so a Mann-Kendall and a Sen's Slope statistical trend analysis were applied to the data. **Table 7** presents the results of the Mann-Kendall and a Sen's Slope statistical trend analyses for each compound in each well. The Mann-Kendall and the Sen's Slope analysis resulted in no evident trend for benzene, 1,4-dichlorobenzene, cis-1,2-dichloroethene, vinyl chloride, or cobalt concentrations in monitor well MW-12.

5.2.5 Compliance Monitor Well MW-13

Four Appendix I VOCs (chlorobenzene, 1,4-dichlorobenzene, cis-1,2-dichloroethene, and vinyl chloride) and four inorganic compounds (barium, cobalt, nickel, and zinc) were detected in monitor well MW-13 above their respective SWSLs during the January 2011 sampling event. However, concentrations of chlorobenzene and barium have been detected sporadically over time, and the 95% UPLs for these detections at the facility do not exceed their respective groundwater standards. In addition, analytical data must be collected for at least four consecutive monitoring events before statistical analyses can be used to characterize a well. There is not a sufficient amount of nickel data available for monitor well MW-13 to run a trend analysis. Also, the concentrations of the naturally occurring metal zinc within the in-situ soil at the facility are sufficient to influence the

concentration of this metal in the groundwater sample collected from monitor well MW-13 during the January 2011 monitoring event. Concentrations of benzene, 1,1-dichloroethane, and trichloroethene have been detected sporadically over time, and the 95% UPLs for these detections at the facility exceed their respective groundwater standards. Therefore, a trend analysis was also performed for benzene, 1,1-dichloroethane, and trichloroethene at monitor well MW-13.

A review of the time series data graphs show no evident trend for benzene, 1,4-dichlorobenzene, 1,1-dichloroethane, cis-1,2-dichloroethene, trichloroethene, vinyl chloride, and cobalt concentrations in well MW-13, so a Mann-Kendall and a Sen's Slope statistical trend analysis were applied to the data. **Table 7** presents the results of the Mann-Kendall and a Sen's Slope statistical trend analyses for each compound in each well. The Mann-Kendall and the Sen's Slope analysis resulted in no evident trend for benzene, 1,4-dichlorobenzene, 1,1-dichloroethane, cis-1,2-dichloroethene, trichloroethene, vinyl chloride, or cobalt concentrations in monitor well MW-13.

5.2.6 Compliance Monitor Well MW-14

One Appendix I inorganic compound (barium) was detected in monitor well MW-14 above its respective SWSL during the January 2011 sampling event. However, concentrations of barium have been detected sporadically over time, and the 95% UPL for these detections at the facility does not exceed its respective groundwater standard. Therefore, no trend analyses were performed at monitor well MW-14.

5.2.7 Compliance Monitor Well MW-15

Three Appendix I VOCs (cis-1,2-dichloroethene, 1,2-dichloropropane, and vinyl chloride) and two inorganic compounds (barium and cobalt) were detected in monitor well MW-15 above their respective SWSLs during the January 2011 sampling event. However, concentrations of 1,2-dichloropropane and barium have been detected sporadically over time, and the 95% UPLs for these detections at the facility do not exceed their respective groundwater standards. Concentrations of benzene, 1,1-dichloroethane, and trichloroethene have been detected sporadically over time, and the 95% UPLs for these detections at the facility exceed their respective groundwater standards. Therefore, trend analyses were also performed for benzene, 1,1-dichloroethane, and trichloroethene at monitor well MW-15.

The trend graphs for 1,1-dichloroethane and cis-1,2-dichloroethene show a trend of decreasing concentrations over time. A review of the time series data graphs show no evident trend for benzene, trichloroethene, vinyl chloride, and cobalt concentrations in well MW-15, so a Mann-Kendall and a Sen's Slope statistical trend analysis were applied to the data. **Table 7** presents the results of the Mann-Kendall and a Sen's Slope statistical trend analyses for each compound in each well. The Mann-Kendall and the Sen's Slope analysis resulted in no evident trend for benzene, trichloroethene, vinyl chloride, or cobalt concentrations in monitor well MW-15.

5.2.8 Compliance Monitor Well MW-16

One Appendix I inorganic compound (barium) was detected in monitor well MW-16 above its respective SWSL during the January 2011 sampling event. However, concentrations of barium have been detected sporadically over time, and the 95% UPL for these detections at the facility does not exceed its respective groundwater standard. Therefore, no trend analysis was performed at monitor well MW-16.

Time series graphs for wells MW-5, MW-6, MW-7A, MW-12, MW-13, and MW-15 are graphical representations of data trends over time and are included in **Appendix IV**.

5.3 Previous Investigations Selected Corrective Measures Remedy

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 concluded that several inorganic COCs detected in groundwater were the result of the natural occurrence of these constituents in the native, residual soil.

Based on the NES and ASD, the Assessment of Corrective Measures (ACM) report (S&ME, June 2008) has evaluated 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) (S&ME, June 2008). The CAP included a selection of in situ isolation combined with MNA as the remedial alternatives for impacted groundwater. The in situ isolation will minimize water exposure to buried waste limiting the release of contaminants to the groundwater and the environment utilizing an upgradient hydraulic barrier and improvements to the landfill cover and surface water drainage system.

6.0 CONCLUSIONS AND RECOMMENDATIONS

S&ME performed semiannual sampling at the Edgecombe County Landfill in Tarboro, North Carolina. During the January 2011 sampling event, groundwater elevations were calculated from water levels measured in approximately 27 points in the monitoring network described in the WQMP. Groundwater samples were collected from three background (upgradient) monitor wells and eight compliance (downgradient) monitor wells.

6.1 Summary of January 2011 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 0.0196 ft/ft. The average groundwater flow velocity for the site is approximately 8.04 ft/yr.

- Constituent concentrations of 23 Appendix I analytes were detected in one or more samples collected during the January 2011 monitoring event. Thirteen of the 23 Appendix I analytes were detected in one or more samples at concentrations equal to or exceeding their respective SWSLs. Barium, beryllium, cobalt, and zinc were detected in one or more upgradient (background) samples at concentrations above their respective SWSLs.

- Eight analytes detected during the January 2011 sampling event were shown to have statistical evidence of a release from the facility, where their 95% UPL was greater than their respective groundwater standards. These analytes were: benzene, 1,4-dichlorobenzene, 1,1-dichloroethane, cis-1,2-dichloroethene, methylene chloride, trichloroethene, vinyl chloride, and nickel. In the past, cobalt was a constituent of concern at the landfill due to statistical evidence of contamination. For consistency, S&ME has also performed a trend analysis of the cobalt data. A trend analysis of these nine constituents shows the following trends:

  - No trend was evident for benzene concentrations over time in monitor wells MW-7A, MW-12, MW-13, and MW-15. Concentrations of benzene show a trend of decreasing concentration over time in monitor well MW-5.
  - No trend was evident for 1,4-dichlorobenzene concentrations in monitor wells MW-5, MW-7A, MW-12, and MW-13.
  - No trend was evident for 1,1-dichloroethane concentrations in monitor wells MW-6 and MW-13. Concentrations of 1,1-dichloroethane show a trend of decreasing concentration over time in monitor wells MW-5, MW-12, and MW-15.
  - Cis-1,2-dichloroethene concentrations show an increasing concentration trend over time in monitor well MW-5 and decreasing concentration trend over time in monitor well MW-15. No trend was evident for cis-1,2-dichloroethene concentrations over time in monitor wells MW-6, MW-7A, MW-12, and MW-13.

- No trend was evident for methylene chloride concentrations over time in monitor well MW-5.
- No trend was evident for trichloroethene concentrations in monitor wells MW-13 and MW-15. Trichloroethene has a trend of decreasing concentration over time in monitor well MW-5.
- No trend was evident for vinyl chloride concentrations in monitor wells MW-5, MW-7A, MW-12, MW-13 and MW-15.
- No trend was evident for cobalt concentrations in monitor wells MW-12, MW-13 and MW-15. Cobalt concentrations show an increasing trend over time in monitor well MW-5.
- Nickel concentrations show a decreasing trend over time in monitor well MW-5.

- Ten Appendix I analytes were detected at concentrations exceeding their respective 2L Standards or GWPSTs including benzene, 1,4-dichlorobenzene, 1,1-dichloroethane, cis-1,2-dichloroethene, 1,2-dichloropropane, vinyl chloride, arsenic, cobalt, nickel, and thallium. Monitor wells with one or more constituent concentrations above the standards included MW-3B, MW-5, MW-6, MW-7A, MW-12, MW-13, MW-15, and MW-16.

- Constituent detections above the 2L Standard or GWPST trigger implementing the assessment monitoring program. This monitoring event was performed in general accordance with § .1634 (d)(2)of the Solid Waste Rules since the Assessment Monitoring Program was already implemented. An Alternate Source Demonstration (ASD) study was performed, the Nature and Extent Study (NES) was prepared, the Assessment of Corrective Measures (ACM) was performed, and the Corrective Action Plan (CAP) was prepared and approved by the NCDENR. Corrective measures have been initiated with grading improvements on the landfill cap; therefore, monitoring for this event is also for compliance with § .1637 (a)(1) under Implementation of the Corrective Action Program.

- The review of geochemical and MNA parameter data in tandem with groundwater quality data indicate that reductive dechlorination is occurring under anaerobic conditions at the site.

6.2 Recommendations

The results of the January 2011 sampling event show that groundwater near the Edgecombe County Landfill has been impacted by a release of constituents from the facility. 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 selected a remedy for corrective measures and submitted a CAP. The applicable sampling and analysis requirements described in the revised WQMP should be implemented during the next semiannual sampling event scheduled in July 2011. S&ME recommends that the schedule for the corrective actions be maintained, and that the corrective measures, including re-grading activities that have already been

initiated, and the design work for the hydraulic barrier and permitting activities move forward as scheduled.

According to the *Corrective Action Plan Review* letter, dated January 16, 2009, from the Solid Waste Section recommends that semiannual sampling be continued at the site for analytes on the Appendix I constituent list. Further analyses for the geochemical and MNA parameters from the sampled wells in the network will be necessary to review concentrations and to evaluate aquifer zones influenced by naturally occurring biological degradation. After the four baseline data sets of MNA parameters are performed, targeted analytes and select monitor well locations will be used to review future MNA parameters.

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.

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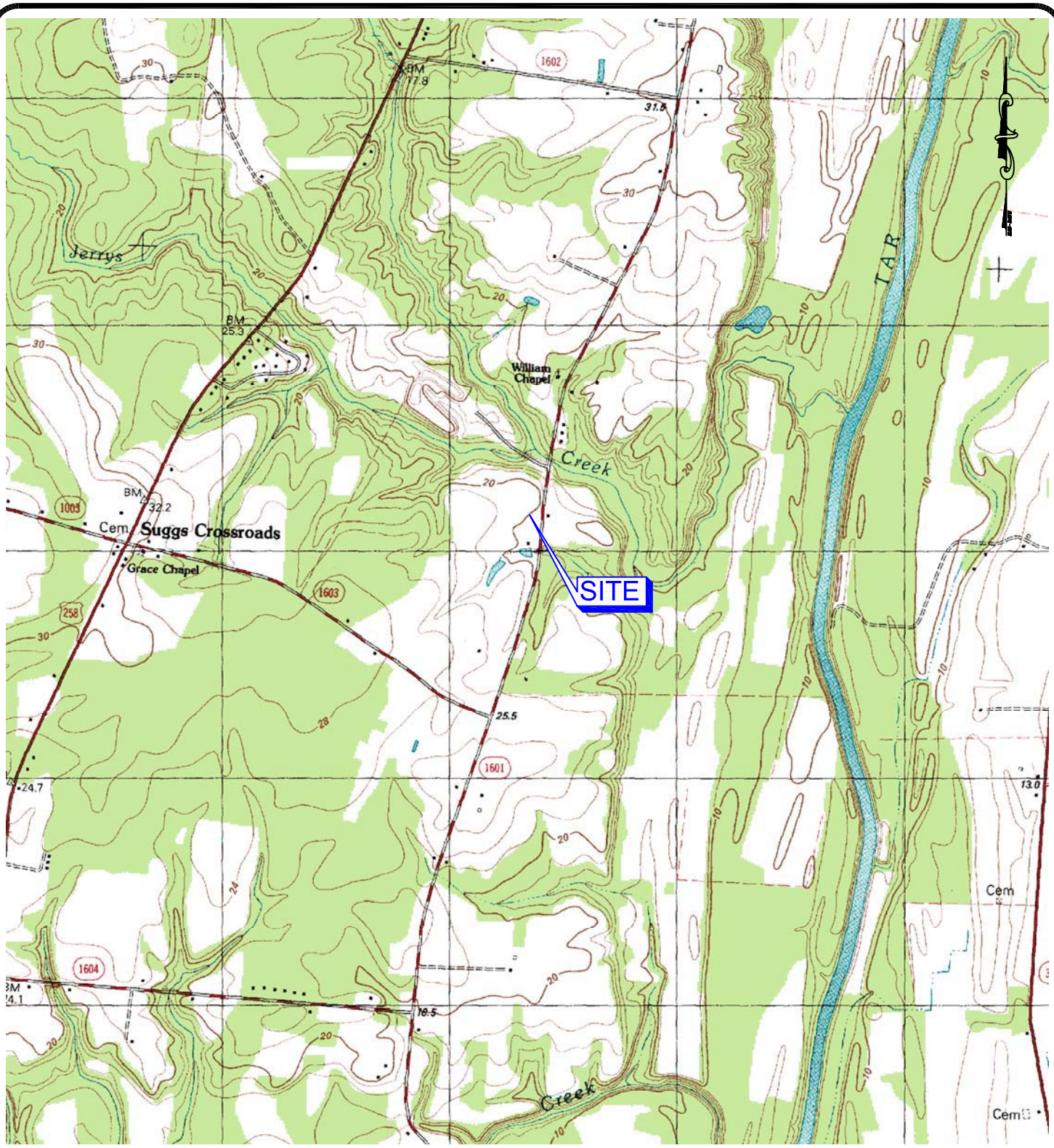
US Department of Agriculture, Soil Conservation Service, *Soil Survey of Edgecombe County, NC*, November 1979.

FIGURES



2000 0 2000

GRAPHIC SCALE IN FEET

OLD SPARTA, NC USGS QUADRANGLE DATED 1981

SCALE:	AS SHOWN
DATE:	March 2011
DRAWN BY:	SPW
PROJECT NO:	1054-07-238C

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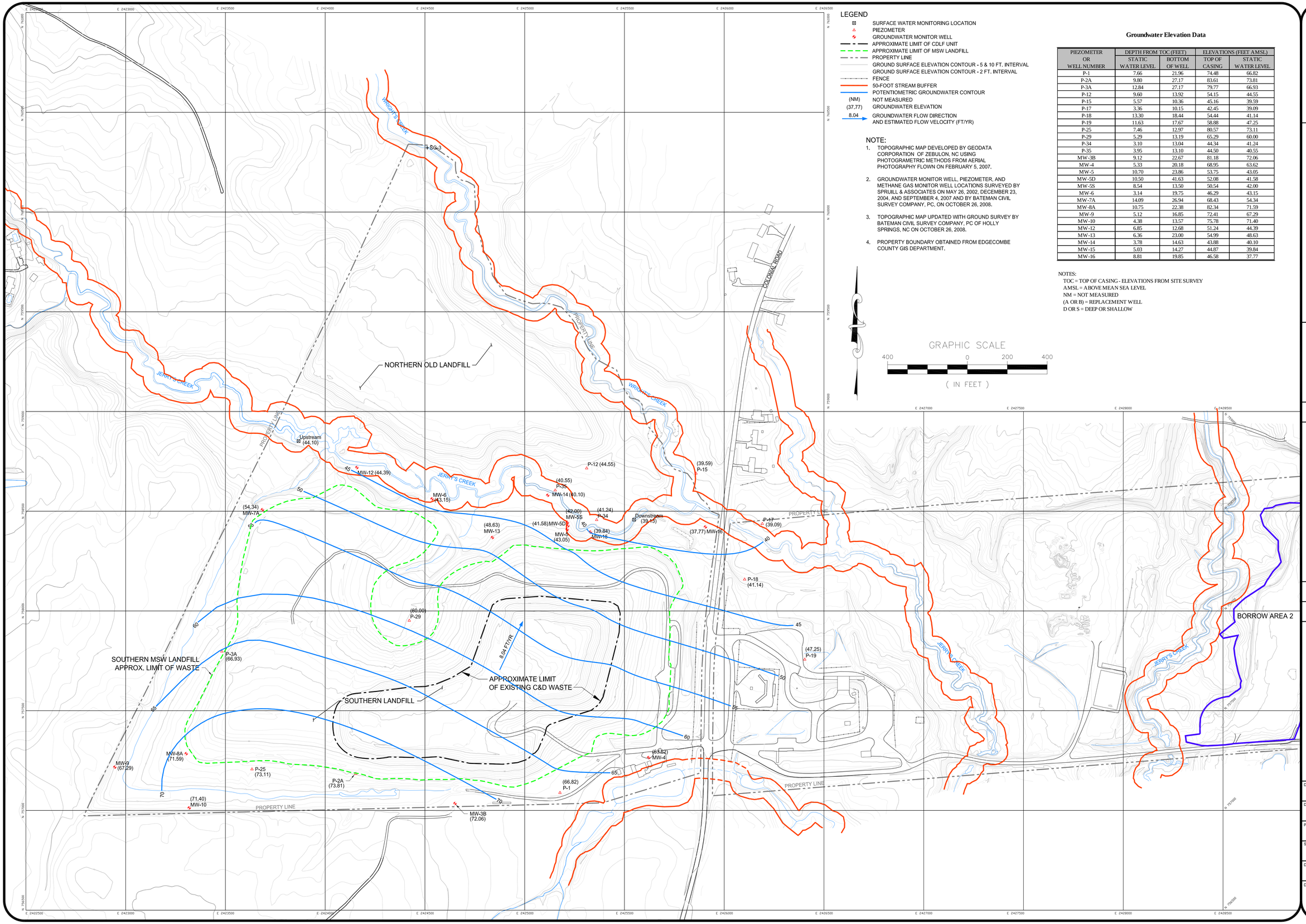
VICINITY MAP

EDGECOMBE COUNTY LANDFILL
TARBORO, NORTH CAROLINA

FIGURE NO.
1



LEGEND

- SURFACE WATER MONITORING LOCATION
- PIEZOMETER
- GROUNDWATER MONITOR WELL
- APPROXIMATE LIMIT OF CDLF UNIT
- APPROXIMATE LIMIT OF MSW LANDFILL
- PROPERTY LINE
- GROUND SURFACE ELEVATION CONTOUR - 5 & 10 FT. INTERVAL
- GROUND SURFACE ELEVATION CONTOUR - 2 FT. INTERVAL
- FENCE
- 50-FOOT STREAM BUFFER
- POTENTIOMETRIC GROUNDWATER CONTOUR
- (NM) NOT MEASURED
- (37.77) GROUNDWATER ELEVATION
- 8.04 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. GROUNDWATER MONITOR WELL, PIEZOMETER, AND METHANE GAS MONITOR WELL LOCATIONS SURVEYED BY SPRUILL & ASSOCIATES ON MAY 26, 2002, DECEMBER 23, 2004, AND SEPTEMBER 4, 2007 AND BY BATEMAN CIVIL SURVEY COMPANY, PC, ON OCTOBER 26, 2008.
3. TOPOGRAPHIC MAP UPDATED WITH GROUND SURVEY BY BATEMAN CIVIL SURVEY COMPANY, PC OF HOLLY SPRINGS, NC ON OCTOBER 26, 2008.
4. PROPERTY BOUNDARY OBTAINED FROM EDGECOMBE COUNTY GIS DEPARTMENT.

Groundwater Elevation Data

PIEZOMETER OR WELL NUMBER	DEPTH FROM TOC (FEET)		ELEVATIONS (FEET AMSL)	
	STATIC WATER LEVEL	BOTTOM OF WELL	TOP OF CASING	STATIC WATER LEVEL
P-1	7.66	21.96	74.48	66.82
P-2A	9.80	27.17	83.61	73.81
P-3A	12.84	27.17	79.77	66.93
P-12	9.60	13.92	54.15	44.55
P-15	5.57	10.36	45.16	39.59
P-17	3.36	10.15	42.45	39.09
P-18	13.30	18.44	54.44	41.14
P-19	11.63	17.67	58.88	47.25
P-25	7.46	12.97	80.57	73.11
P-29	5.29	13.19	65.29	60.00
P-34	3.10	13.04	44.34	41.24
P-35	3.95	13.10	44.50	40.55
MW-3B	9.12	22.67	81.18	72.06
MW-4	5.33	20.18	68.95	63.62
MW-5	10.70	23.86	53.75	43.05
MW-5D	10.50	41.63	52.08	41.58
MW-5S	8.54	13.50	50.54	42.00
MW-6	3.14	19.75	46.29	43.15
MW-7A	14.09	26.94	68.43	54.34
MW-8A	10.75	22.38	82.34	71.59
MW-9	5.12	16.85	72.41	67.29
MW-10	4.38	13.57	75.78	71.40
MW-12	6.85	12.68	51.24	44.39
MW-13	6.36	23.00	54.99	48.63
MW-14	3.78	14.63	43.88	40.10
MW-15	5.03	14.27	44.87	39.84
MW-16	8.81	19.85	46.58	37.77

NOTES:
TOC = TOP OF CASING - ELEVATIONS FROM SITE SURVEY
AMSL = ABOVE MEAN SEA LEVEL
NM = NOT MEASURED
(A OR B) = REPLACEMENT WELL
D OR S = DEEP OR SHALLOW

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NO.	DATE	DESCRIPTION	BY

GROUNDWATER POTENTIOMETRIC MAP
JANUARY 18, 2011

ENVIRONMENTAL COMPLIANCE MONITORING
EDGECOMBE COUNTY LANDFILL
TARBORO, NORTH CAROLINA

DRAWN BY: BTR	CHECKED BY:
DESIGNED BY:	APPROVED BY:
PROJECT NUMBER: 1054-07-238C	
SCALE: 1" = 200'	DATE: FEB. 2011
DRAWING NUMBER: D-1198	
DRAWING: 2	OF: 2

S:\PROJECTS\2007\07-238C Edgecombe - Environmental Monitoring 2010\-11\CAD\D1198.dwg, D1198, 6/14/2011 11:11:36 PM, 1:1

TABLES

Table 1 (Submitted Electronically)
Groundwater Elevation Data, Field Parameters, and
Laboratory Analysis Summary
Edgecombe County Landfill
January 18-19, 2011
S&ME Project No. 1054-07-238C

Facility Permit	Well ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifier	Method	MDL	SWSL	Dilution Factor	Collection Date	Extraction Date	Analysis Date	NC Laboratory Certification Number
33-01	3301-P-1		318	Depth To Water	7.66	ft						1/18/2011			
33-01	3301-P-1		411	Total Well Depth	21.96	ft						1/18/2011			
33-01	3301-P-1		328	TOC Elevation	74.48	ft AMSL						1/18/2011			
33-01	3301-P-1		319	Groundwater Elevation	66.82	ft AMSL						1/18/2011			
33-01	3301-P-2A		318	Depth To Water	9.80	ft						1/18/2011			
33-01	3301-P-2A		411	Total Well Depth	27.17	ft						1/18/2011			
33-01	3301-P-2A		328	TOC Elevation	83.61	ft AMSL						1/18/2011			
33-01	3301-P-2A		319	Groundwater Elevation	73.81	ft AMSL						1/18/2011			
33-01	3301-P-3A		318	Depth To Water	12.84	ft						1/18/2011			
33-01	3301-P-3A		411	Total Well Depth	27.17	ft						1/18/2011			
33-01	3301-P-3A		328	TOC Elevation	79.77	ft AMSL						1/18/2011			
33-01	3301-P-3A		319	Groundwater Elevation	66.93	ft AMSL						1/18/2011			
33-01	3301-P-12		318	Depth To Water	9.60	ft						1/18/2011			
33-01	3301-P-12		411	Total Well Depth	13.92	ft						1/18/2011			
33-01	3301-P-12		328	TOC Elevation	54.15	ft AMSL						1/18/2011			
33-01	3301-P-12		319	Groundwater Elevation	44.55	ft AMSL						1/18/2011			
33-01	3301-P-15		318	Depth To Water	5.57	ft						1/18/2011			
33-01	3301-P-15		411	Total Well Depth	10.36	ft						1/18/2011			
33-01	3301-P-15		328	TOC Elevation	45.16	ft AMSL						1/18/2011			
33-01	3301-P-15		319	Groundwater Elevation	39.59	ft AMSL						1/18/2011			
33-01	3301-P-17		318	Depth To Water	3.36	ft						1/18/2011			
33-01	3301-P-17		411	Total Well Depth	10.15	ft						1/18/2011			
33-01	3301-P-17		328	TOC Elevation	42.45	ft AMSL						1/18/2011			
33-01	3301-P-17		319	Groundwater Elevation	39.09	ft AMSL						1/18/2011			
33-01	3301-P-18		318	Depth To Water	13.30	ft						1/18/2011			
33-01	3301-P-18		411	Total Well Depth	18.44	ft						1/18/2011			
33-01	3301-P-18		328	TOC Elevation	54.44	ft AMSL						1/18/2011			
33-01	3301-P-18		319	Groundwater Elevation	41.14	ft AMSL						1/18/2011			
33-01	3301-P-19		318	Depth To Water	11.63	ft						1/18/2011			
33-01	3301-P-19		411	Total Well Depth	17.67	ft						1/18/2011			
33-01	3301-P-19		328	TOC Elevation	58.88	ft AMSL						1/18/2011			
33-01	3301-P-19		319	Groundwater Elevation	47.25	ft AMSL						1/18/2011			
33-01	3301-P-25		318	Depth To Water	7.46	ft						1/18/2011			
33-01	3301-P-25		411	Total Well Depth	12.97	ft						1/18/2011			
33-01	3301-P-25		328	TOC Elevation	80.57	ft AMSL						1/18/2011			
33-01	3301-P-25		319	Groundwater Elevation	73.11	ft AMSL						1/18/2011			
33-01	3301-P-29		318	Depth To Water	5.29	ft						1/18/2011			
33-01	3301-P-29		411	Total Well Depth	13.19	ft						1/18/2011			
33-01	3301-P-29		328	TOC Elevation	65.29	ft AMSL						1/18/2011			
33-01	3301-P-29		319	Groundwater Elevation	60.00	ft AMSL						1/18/2011			
33-01	3301-P-34		318	Depth To Water	3.10	ft						1/18/2011			
33-01	3301-P-34		411	Total Well Depth	13.04	ft						1/18/2011			
33-01	3301-P-34		328	TOC Elevation	44.34	ft AMSL						1/18/2011			
33-01	3301-P-34		319	Groundwater Elevation	41.24	ft AMSL						1/18/2011			
33-01	3301-P-35		318	Depth To Water	3.95	ft						1/18/2011			
33-01	3301-P-35		411	Total Well Depth	13.10	ft						1/18/2011			
33-01	3301-P-35		328	TOC Elevation	44.50	ft AMSL						1/18/2011			
33-01	3301-P-35		319	Groundwater Elevation	40.55	ft AMSL						1/18/2011			
33-01	3301-MW-3B		318	Depth To Water	9.12	ft						1/18/2011			
33-01	3301-MW-3B		411	Total Well Depth	22.67	ft						1/18/2011			
33-01	3301-MW-3B		328	TOC Elevation	81.18	ft AMSL						1/18/2011			
33-01	3301-MW-3B		319	Groundwater Elevation	72.06	ft AMSL						1/18/2011			
33-01	3301-MW-3B		320	pH	3.22	standard units						1/18/2011			
33-01	3301-MW-3B		323	Specific Conductivity	0.225	mS/cm						1/18/2011			
33-01	3301-MW-3B		325	Temperature	13.00	ºC						1/18/2011			
33-01	3301-MW-3B		330	Turbidity	0.2	NTUs						1/18/2011			
33-01	3301-MW-3B			Hexanoic Acid	230	ug/L	U	VGC-13	230		1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW-3B			iso-Hexanoic Acid	210	ug/L	U	VGC-13	210		1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW-3B			HIBA (2-Hydroxyisobutyric Acid)	160	ug/L	U	VGC-13	160		1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW-3B			iso-Pentanoic Acid	260	ug/L	U	VGC-13	260		1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW-3B			Pentanoic Acid	270	ug/L	U	VGC-13	270		1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW-3B	74-84-0	331	Ethane	1.50	ug/L	U	RSK-175	1.50	NE	1	1/18/2011	1/21/2011	1/21/2011	442
33-01	3301-MW-3B	87701-65-3	332	Ethene	1.60	ug/L	U	RSK-175	1.60	NE	1	1/18/2011	1/21/2011	1/21/2011	442
33-01	3301-MW-3B	74-82-8	333	Methane	0.490	ug/L	U	RSK-175	0.490	NE	1	1/18/2011	1/21/2011	1/21/2011	442
33-01	3301-MW-3B	E-10195	357	Total Organic Carbon	530	ug/L	J	SM18 5310B	280	NE	1	1/18/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-3B	124-38-9	413	Carbon dioxide	36800	ug/L		RSK-175	2000	NE	1	1/18/2011	1/21/2011	1/21/2011	442
33-01	3301-MW-3B	127-17-3	414	Pyruvic Acid	140	ug/L	U	VGC-13	140	NE	1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW-3B	50-21-5	415	Lactic Acid	440	ug/L	U	VGC-13	440	NE	1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW-3B	64-19-7	416	Acetic Acid	83	ug/L	U	VGC-13	83	NE	1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW-3B	79-09-4	417	Propionic Acid	180	ug/L	U	VGC-13	180	NE	1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW-3B	107-92-6	418	Butyric Acid	160	ug/L	U	VGC-13	160	NE	1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW-3B	100-41-4	110	Ethylbenzene	0.20	ug/L	U	8260B	0.20	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-3B	591-78-6	124	2-Hexanone	0.69	ug/L	U	8260B	0.69	50	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-3B	7440-36-0	13	Antimony Total	0.220	ug/L	U	6020A	0.220	6	1	1/18/2011	1/20/2011	1/25/2011	591
33-01	3301-MW-3B	7439-92-1	131	Lead Total	1.90	ug/L	U	6010C	1.90	10	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-3B	7439-97-6	132	Mercury Total	0.170	ug/L	U	7470A	0.170	0.2	1	1/18/2011	1/21/2011	1/21/2011	591
33-01	3301-MW-3B	74-83-9	136	Bromomethane	0.49	ug/L	U	8260B	0.49	10	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-3B	74-87-3	137	Chloromethane	0.34	ug/L	U	8260B	0.34	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-3B	74-95-3	139	Dibromomethane	0.37	ug/L	U	8260B	0.37	10	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-3B	7440-38-2	14	Arsenic Total	2.80	ug/L	U	6010C	2.80	10	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-3B	75-09-2	140	Methylene chloride	0.53	ug/L	U	8260B	0.53	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-3B	78-93-3	141	2-Butanone	1.0	ug/L	U	8260B	1.0	100	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-3B	74-88-4	142	Iodomethane	0.52	ug/L	U	8260B	0.52	10	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-3B	108-10-1	147	4-Methyl-2-pentanone	1.1	ug/L	U	8260B	1.1	100	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-3B	7440-39-3	15	Barium Total	113	ug/L		6010C	1.00	100	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-3B	7440-02-0	152	Nickel Total	29.7	ug/L	J	6010C	1.80	50	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-3B	71-43-2	16	Benzene	0.20	ug/L	U	8260B	0.20	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-3B	7782-49-2	183	Selenium Total	0.830	ug/L	U	6020A	0.830	10	1	1/18/2011	1/20/2011	1/25/2011	591
33-01	3301-MW-3B	7440-22-4	184	Silver Total	1.90	ug/L	U	6010C	1.90	10	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-3B	100-42-5	186	Styrene	0.26	ug/L	U	8260B	0.26	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-3B	18496-25-8	187	Sulfide	10	ug/L	U	SM18 4500-S D	10	1000	1	1/18/2011	1/21/2011	1/21/2011	591
33-01	3301-MW-3B	630-20-6	190	1,1,1,2-Tetrachloroethane	0.40	ug/L	U	8260B	0.40	5	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-3B	79-34-5	191	1,1,2,2-Tetrachloroethane	0.33	ug/L	U	8260B	0.33	3	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-3B	127-18-4	192	Tetrachloroethene	0.36	ug/L	U	8260B	0.36	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-3B	7440-28-0	194	Thallium Total	0.127	ug/L	J	6020A	0.110	5.5	1	1/18/2011	1/20/2011	1/25/2011	591
33-01	3301-MW-3B	108-88-3	196	Toluene	0.27	ug/L	U	8260B	0.27	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-3B	71-55-6	200	1,1,1-Trichloroethane	0.27	ug/L	U	8260B	0.27	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-3B	79-01-6	201	Trichloroethene	0.38	ug/L	U	8260B	0.38	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-3B	79-00-5	202	1,1,2-Trichloroethane	0.37	ug/L	U	8260B	0.37	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-3B	75-69-4	203	Trichlorofluoromethane	0.28	ug/L	U	8260B	0.28	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-3B	96-18-4	206	1,2,3-Trichloropropane	0.55	ug/L	U	8260B	0.55	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-3B	7440-62-2	209	Vanadium Total	1.40	ug/L	U	6010C	1.40	25	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-3B	108-05-4	210	Vinyl acetate	0.98	ug/L	U	8260B	0.98	50	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-3B	75-01-4	211	Vinyl chloride	0.30	ug/L	U	8260B	0.30	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-3B	7440-66-6	213	Zinc Total	56.0	ug/L		6010C	3.80	10	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-3B	7440-41-7	23	Beryllium Total	1.49	ug/L		6010C	0.100	1	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-3B	74-97-5	28	Bromochloromethane	0.42	ug/L	U	8260B	0.42	3	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-3B	75-27-4	29	Bromodichloromethane	0.37	ug/L	U	8260B	0.37	1	1	1/18/2011	1/20/2011	1/21/2011	591

33-01	3301-MW-3B	67-64-1	3	Acetone	1.5	ug/L	U	8260B	1.5	100	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-3B	75-25-2	30	Bromoform	0.71	ug/L	U	8260B	0.71	3	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-3B	SW301	301	Chloride	27000	ug/L		300.0	18	NE	1	1/18/2011	1/21/2011	1/21/2011	591
33-01	3301-MW-3B	SW303	303	Nitrate as N	34	ug/L	J	353.2	25	10000	1	1/18/2011	2/1/2011	2/1/2011	591
33-01	3301-MW-3B	SW311	311	Total Dissolved Solids	86000	ug/L		SM 2540C	10000	NE	1	1/18/2011	1/21/2011	1/21/2011	591
33-01	3301-MW-3B	14808-79-8	315	Sulfate as SO4	42000	ug/L	J	300.0	120	250000	1	1/18/2011	1/21/2011	1/21/2011	591
33-01	3301-MW-3B	SW316	316	Biochemical Oxygen Demand	2000	ug/L	U	SM 5210B	2000	NE	1	1/18/2011	1/19/2011	1/19/2011	591
33-01	3301-MW-3B	SW317	317	Chemical Oxygen Demand	12000	ug/L		SM 5220D	2800	NE	1	1/18/2011	1/25/2011	1/25/2011	591
33-01	3301-MW-3B	SW337	337	Total Alkalinity as CaCO3	8000	ug/L	U	310.2	8000	NE	1	1/18/2011	1/26/2011	1/26/2011	591
33-01	3301-MW-3B	7440-43-9	34	Cadmium Total	0.599	ug/L	J	6010C	0.360	1	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-3B	7439-89-6	340	Iron Total	4910	ug/L		6010C	22.0	300	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-3B	7439-96-5	342	Manganese Total	93.8	ug/L		6010C	1.10	50	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-3B	1330-20-7	346	Xylenes (Total)	0.40	ug/L	U	8260B	0.40	5	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-3B	75-15-0	35	Carbon disulfide	0.54	ug/L	U	8260B	0.54	100	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-3B	56-23-5	36	Carbon tetrachloride	0.38	ug/L	U	8260B	0.38	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-3B	108-90-7	39	Chlorobenzene	0.27	ug/L	U	8260B	0.27	3	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-3B	75-00-3	41	Chloroethane	0.30	ug/L	U	8260B	0.30	10	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-3B	67-66-3	44	Chloroform	0.20	ug/L	U	8260B	0.20	5	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-3B	7440-47-3	51	Chromium Total	1.00	ug/L	U	6010C	1.00	10	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-3B	7440-48-4	53	Cobalt Total	26.4	ug/L		6010C	1.10	10	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-3B	7440-50-8	54	Copper Total	1.60	ug/L	U	6010C	1.60	10	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-3B	124-48-1	66	Dibromochloromethane	0.32	ug/L	U	8260B	0.32	3	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-3B	96-12-8	67	1,2-Dibromo-3-chloropropane	0.48	ug/L	U	8260B	0.48	13	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-3B	106-93-4	68	1,2-Dibromoethane	0.42	ug/L	U	8260B	0.42	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-3B	95-50-1	69	1,2-Dichlorobenzene	0.27	ug/L	U	8260B	0.27	5	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-3B	106-46-7	71	1,4-Dichlorobenzene	0.38	ug/L	U	8260B	0.38	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-3B	110-57-6	73	trans-1,4-Dichloro-2-butene	0.54	ug/L	U	8260B	0.54	100	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-3B	75-34-3	75	1,1-Dichloroethane	0.33	ug/L	U	8260B	0.33	5	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-3B	107-06-2	76	1,2-Dichloroethane	0.65	ug/L	U	8260B	0.65	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-3B	75-35-4	77	1,1-Dichloroethene	0.24	ug/L	U	8260B	0.24	5	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-3B	156-59-2	78	cis-1,2-Dichloroethene	0.36	ug/L	U	8260B	0.36	5	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-3B	156-60-5	79	trans-1,2-Dichloroethene	0.34	ug/L	U	8260B	0.34	5	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-3B	107-13-1	8	Acrylonitrile	2.1	ug/L	U	8260B	2.1	200	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-3B	78-87-5	82	1,2-Dichloropropane	0.20	ug/L	U	8260B	0.20	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-3B	10061-01-5	86	cis-1,3-Dichloropropene	0.28	ug/L	U	8260B	0.28	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-3B	10061-02-6	87	trans-1,3-Dichloropropene	0.38	ug/L	U	8260B	0.38	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-3B			Hydrogen	0.60	nM	U	AM20GAX	0.600			1/18/2011		2/1/2011	
33-01	3301-MW-4		318	Depth To Water	5.33	ft						1/18/2011			
33-01	3301-MW-4		411	Total Well Depth	20.18	ft						1/18/2011			
33-01	3301-MW-4		328	TOC Elevation	68.95	ft AMSL						1/18/2011			
33-01	3301-MW-4		319	Groundwater Elevation	63.62	ft AMSL						1/18/2011			
33-01	3301-MW-4		320	pH	5.53	standard units						1/18/2011			
33-01	3301-MW-4		323	Specific Conductivity	0.134	mS/cm						1/18/2011			
33-01	3301-MW-4		325	Temperature	9.57	ºC						1/18/2011			
33-01	3301-MW-4		330	Turbidity	4.0	NTUs						1/18/2011			
33-01	3301-MW-4			iso-Pentanoic Acid	260	ug/L	U	VGC-13	260		1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW-4			Pentanoic Acid	270	ug/L	U	VGC-13	270		1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW-4			Hexanoic Acid	230	ug/L	U	VGC-13	230		1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW-4			HIBA (2-Hydroxyisobutyric Acid)	160	ug/L	U	VGC-13	160		1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW-4			iso-Hexanoic Acid	210	ug/L	U	VGC-13	210		1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW-4	74-84-0	331	Ethane	1.50	ug/L	U	RSK-175	1.50	NE	1	1/18/2011	1/21/2011	1/21/2011	442
33-01	3301-MW-4	87701-65-3	332	Ethene	1.60	ug/L	U	RSK-175	1.60	NE	1	1/18/2011	1/21/2011	1/21/2011	442
33-01	3301-MW-4	74-82-8	333	Methane	0.490	ug/L	U	RSK-175	0.490	NE	1	1/18/2011	1/21/2011	1/21/2011	442
33-01	3301-MW-4	E-10195	357	Total Organic Carbon	2800	ug/L		SM18 5310B	280	NE	1	1/18/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-4	124-38-9	413	Carbon dioxide	84200	ug/L		RSK-175	2000	NE	1	1/18/2011	1/21/2011	1/21/2011	442
33-01	3301-MW-4	127-17-3	414	Pyruvic Acid	140	ug/L	U	VGC-13	140	NE	1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW-4	50-21-5	415	Lactic Acid	440	ug/L	U	VGC-13	440	NE	1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW-4	64-19-7	416	Acetic Acid	83	ug/L	U	VGC-13	83	NE	1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW-4	79-09-4	417	Propionic Acid	180	ug/L	U	VGC-13	180	NE	1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW-4	107-92-6	418	Butyric Acid	160	ug/L	U	VGC-13	160	NE	1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW-4	100-41-4	110	Ethylbenzene	0.20	ug/L	U	8260B	0.20	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-4	591-78-6	124	2-Hexanone	0.69	ug/L	U	8260B	0.69	50	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-4	7440-36-0	13	Antimony Total	0.673	ug/L	J	6020A	0.220	6	1	1/18/2011	1/20/2011	1/25/2011	591
33-01	3301-MW-4	7439-92-1	131	Lead Total	1.90	ug/L	U	6010C	1.90	10	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-4	7439-97-6	132	Mercury Total	0.170	ug/L	U	7470A	0.170	0.2	1	1/18/2011	1/21/2011	1/21/2011	591
33-01	3301-MW-4	74-83-9	136	Bromomethane	0.49	ug/L	U	8260B	0.49	10	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-4	74-87-3	137	Chloromethane	0.34	ug/L	U	8260B	0.34	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-4	74-95-3	139	Dibromomethane	0.37	ug/L	U	8260B	0.37	10	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-4	7440-38-2	14	Arsenic Total	2.80	ug/L	U	6010C	2.80	10	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-4	75-09-2	140	Methylene chloride	0.53	ug/L	U	8260B	0.53	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-4	78-93-3	141	2-Butanone	1.0	ug/L	U	8260B	1.0	100	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-4	74-88-4	142	Iodomethane	0.52	ug/L	U	8260B	0.52	10	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-4	108-10-1	147	4-Methyl-2-pentanone	1.1	ug/L	U	8260B	1.1	100	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-4	7440-39-3	15	Barium Total	75.0	ug/L	J	6010C	1.00	100	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-4	7440-02-0	152	Nickel Total	1.80	ug/L	U	6010C	1.80	50	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-4	71-43-2	16	Benzene	0.20	ug/L	U	8260B	0.20	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-4	7782-49-2	183	Selenium Total	0.830	ug/L	U	6020A	0.830	10	1	1/18/2011	1/20/2011	1/25/2011	591
33-01	3301-MW-4	7440-22-4	184	Silver Total	1.90	ug/L	U	6010C	1.90	10	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-4	100-42-5	186	Styrene	0.26	ug/L	U	8260B	0.26	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-4	18496-25-8	187	Sulfide	10	ug/L	U	SM18 4500-S D	10	1000	1	1/18/2011	1/21/2011	1/21/2011	591
33-01	3301-MW-4	630-20-6	190	1,1,1,2-Tetrachloroethane	0.40	ug/L	U	8260B	0.40	5	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-4	79-34-5	191	1,1,2,2-Tetrachloroethane	0.33	ug/L	U	8260B	0.33	3	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-4	127-18-4	192	Tetrachloroethene	0.36	ug/L	U	8260B	0.36	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-4	7440-28-0	194	Thallium Total	0.110	ug/L	U	6020A	0.110	5.5	1	1/18/2011	1/20/2011	1/25/2011	591
33-01	3301-MW-4	108-88-3	196	Toluene	0.27	ug/L	U	8260B	0.27	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-4	71-55-6	200	1,1,1-Trichloroethane	0.27	ug/L	U	8260B	0.27	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-4	79-01-6	201	Trichloroethene	0.38	ug/L	U	8260B	0.38	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-4	79-00-5	202	1,1,2-Trichloroethane	0.37	ug/L	U	8260B	0.37	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-4	75-69-4	203	Trichlorofluoromethane	0.28	ug/L	U	8260B	0.28	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-4	96-18-4	206	1,2,3-Trichloropropane	0.55	ug/L	U	8260B	0.55	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-4	7440-62-2	209	Vanadium Total	1.40	ug/L	U	6010C	1.40	25	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-4	108-05-4	210	Vinyl acetate	0.98	ug/L	U	8260B	0.98	50	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-4	75-01-4	211	Vinyl chloride	0.30	ug/L	U	8260B	0.30	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-4	7440-66-6	213	Zinc Total	3.80	ug/L	U	6010C	3.80	10	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-4	7440-41-7	23	Beryllium Total	0.100	ug/L	U	6010C	0.100	1	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-4	74-97-5	28	Bromochloromethane	0.42	ug/L	U	8260B	0.42	3	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-4	75-27-4	29	Bromodichloromethane	0.37	ug/L	U	8260B	0.37	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-4	67-64-1	3	Acetone	1.5	ug/L	U	8260B	1.5	100	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-4	75-25-2	30	Bromoform	0.71	ug/L	U	8260B	0.71	3	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-4	SW301	301	Chloride	7400	ug/L		300.0	18	NE	1	1/18/2011	1/21/2011	1/21/2011	591
33-01	3301-MW-4	SW303	303	Nitrate as N	560	ug/L	J	353.2	25	10000	1	1/18/2011	2/2/2011	2/2/2011	591
33-01	3301-MW-4	SW311	311	Total Dissolved Solids	40000	ug/L		SM 2540C	10000	NE	1	1/18/2011	1/21/2011	1/21/2011	591
33-01	3301-MW-4	14808-79-8	315	Sulfate as SO4	21000	ug/L	J	300.0	120	250000	1	1/18/2011	1/21/2011	1/21/2011	591
33-01	3301-MW-4	SW316	316	Biochemical Oxygen Demand	2000	ug/L	U	SM 5210B	2000	NE	1	1/18/2011	1/19/2011	1/19/2011	591
33-01	3301-MW-4	SW317	317	Chemical Oxygen Demand	16000	ug/L		SM 5220D	2800	NE	1	1/18/2011	1/25/2011	1/25/2011	591
33-01	3301-MW-4	SW337	337	Total Alkalinity as CaCO3	22000	ug/L		310.2	8000	NE	1	1/18/2011	1/26/2011	1/26/2011	591
33-01	3301-MW-4	7440-43-9	34	Cadmium Total	0.360	ug/L	U	6010C	0.360	1	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-4	7439-89-6	340	Iron Total	603	ug/L		6010C	22.0	300	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-4	7439-96-5	342	Manganese Total	14.1	ug/L	J	6010C	1.10	50	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-4	1330-20-7	346	Xylenes (Total)	0.40	ug/L	U	8260B	0.40	5	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-4	75-15-0	35	Carbon disulfide	0.54	ug/L	U	8260B	0.54	100	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-4	56-23-5	36	Carbon tetrachloride	0.38	ug/L	U	8260B	0.38	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-4	108-90-7	39	Chlorobenzene	0.27	ug/L	U	8260B	0.27	3	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-4	75-00-3	41	Chloroethane	0.30	ug/L	U	8260B	0.30	10	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-4	67-66-3	44	Chloroform	0.20	ug/L	U	8260B	0.20	5	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-4	7440-47-3	51	Chromium Total	1.00	ug/L	U	6010C	1.00	10	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-4	7440-48-4	53	Cobalt Total	1.10	ug/L	U	6010C	1.10	10	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-4	7440-50-8	54	Copper Total	2.13	ug/L	J	6010C	1.60	10	1	1/18/2011	1/19/2011	1/24/2011	591

33-01	3301-MW-4	124-48-1	66	Dibromochloromethane	0.32	ug/L	U	8260B	0.32	3	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-4	96-12-8	67	1,2-Dibromo-3-chloropropane	0.48	ug/L	U	8260B	0.48	13	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-4	106-93-4	68	1,2-Dibromoethane	0.42	ug/L	U	8260B	0.42	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-4	95-50-1	69	1,2-Dichlorobenzene	0.27	ug/L	U	8260B	0.27	5	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-4	106-46-7	71	1,4-Dichlorobenzene	0.38	ug/L	U	8260B	0.38	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-4	110-57-6	73	trans-1,4-Dichloro-2-butene	0.54	ug/L	U	8260B	0.54	100	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-4	75-34-3	75	1,1-Dichloroethane	0.33	ug/L	U	8260B	0.33	5	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-4	107-06-2	76	1,2-Dichloroethane	0.65	ug/L	U	8260B	0.65	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-4	75-35-4	77	1,1-Dichloroethene	0.24	ug/L	U	8260B	0.24	5	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-4	156-59-2	78	cis-1,2-Dichloroethene	0.36	ug/L	U	8260B	0.36	5	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-4	156-60-5	79	trans-1,2-Dichloroethene	0.34	ug/L	U	8260B	0.34	5	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-4	107-13-1	8	Acrylonitrile	2.1	ug/L	U	8260B	2.1	200	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-4	78-87-5	82	1,2-Dichloropropane	0.20	ug/L	U	8260B	0.20	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-4	10061-01-5	86	cis-1,3-Dichloropropene	0.28	ug/L	U	8260B	0.28	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-4	10061-02-6	87	trans-1,3-Dichloropropene	0.38	ug/L	U	8260B	0.38	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-4			Hydrogen	1.50	nM		AM20GAX	0.600			1/18/2011		2/1/2011	
33-01	3301-MW-5		318	Depth To Water	10.70	ft						1/18/2011			
33-01	3301-MW-5		411	Total Well Depth	23.86	ft						1/18/2011			
33-01	3301-MW-5		328	TOC Elevation	53.75	ft AMSL						1/18/2011			
33-01	3301-MW-5		319	Groundwater Elevation	43.05	ft AMSL						1/18/2011			
33-01	3301-MW-5		320	pH	5.81	standard units						1/19/2011			
33-01	3301-MW-5		323	Specific Conductivity	1.063	mS/cm						1/19/2011			
33-01	3301-MW-5		325	Temperature	15.94	ºC						1/19/2011			
33-01	3301-MW-5		330	Turbidity	0.7	NTUs						1/19/2011			
33-01	3301-MW-5			Pentanoic Acid	270	ug/L	U	VGC-13	270		1	1/19/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-5			Hexanoic Acid	230	ug/L	U	VGC-13	230		1	1/19/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-5			HIBA (2-Hydroxyisobutyric Acid)	160	ug/L	U	VGC-13	160		1	1/19/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-5			iso-Hexanoic Acid	210	ug/L	U	VGC-13	210		1	1/19/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-5			iso-Pentanoic Acid	260	ug/L	U	VGC-13	260		1	1/19/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-5	74-84-0	331	Ethane	1.50	ug/L	U	RSK-175	1.50	NE	1	1/19/2011	1/26/2011	1/26/2011	442
33-01	3301-MW-5	87701-65-3	332	Ethene	1.60	ug/L	U	RSK-175	1.60	NE	1	1/19/2011	1/26/2011	1/26/2011	442
33-01	3301-MW-5	74-82-8	333	Methane	327	ug/L		RSK-175	0.490	NE	1	1/19/2011	1/26/2011	1/26/2011	442
33-01	3301-MW-5	E-10195	357	Total Organic Carbon	3600	ug/L		SM18 5310B	280	NE	1	1/19/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-5	124-38-9	413	Carbon dioxide	370000	ug/L	D	RSK-175	20000	NE	10	1/19/2011	1/26/2011	1/26/2011	442
33-01	3301-MW-5	127-17-3	414	Pyruvic Acid	140	ug/L	U	VGC-13	140	NE	1	1/19/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-5	50-21-5	415	Lactic Acid	440	ug/L	U	VGC-13	440	NE	1	1/19/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-5	64-19-7	416	Acetic Acid	83	ug/L	U	VGC-13	83	NE	1	1/19/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-5	79-09-4	417	Propionic Acid	180	ug/L	U	VGC-13	180	NE	1	1/19/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-5	107-92-6	418	Butyric Acid	160	ug/L	U	VGC-13	160	NE	1	1/19/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-5	100-41-4	110	Ethylbenzene	2.0	ug/L	UD	8260B	2.0	1	10	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-5	591-78-6	124	2-Hexanone	6.9	ug/L	UD	8260B	6.9	50	10	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-5	7440-36-0	13	Antimony Total	0.600	ug/L	J	6020A	0.220	6	1	1/19/2011	1/25/2011	1/28/2011	591
33-01	3301-MW-5	7439-92-1	131	Lead Total	1.90	ug/L	U	6010C	1.90	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-5	7439-97-6	132	Mercury Total	0.170	ug/L	U	7470A	0.170	0.2	1	1/19/2011	1/21/2011	1/21/2011	591
33-01	3301-MW-5	74-83-9	136	Bromomethane	4.9	ug/L	UD	8260B	4.9	10	10	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-5	74-87-3	137	Chloromethane	3.4	ug/L	UD	8260B	3.4	1	10	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-5	74-95-3	139	Dibromomethane	3.7	ug/L	UD	8260B	3.7	10	10	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-5	7440-38-2	14	Arsenic Total	9.89	ug/L	J	6010C	2.80	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-5	75-09-2	140	Methylene chloride	5.3	ug/L	UD	8260B	5.3	1	10	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-5	78-93-3	141	2-Butanone	10	ug/L	UD	8260B	10	100	10	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-5	74-88-4	142	Iodomethane	5.2	ug/L	UD	8260B	5.2	10	10	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-5	108-10-1	147	4-Methyl-2-pentanone	11	ug/L	UD	8260B	11	100	10	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-5	7440-39-3	15	Barium Total	231	ug/L		6010C	1.00	100	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-5	7440-02-0	152	Nickel Total	49.7	ug/L	J	6010C	1.80	50	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-5	71-43-2	16	Benzene	2.0	ug/L	UD	8260B	2.0	1	10	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-5	7782-49-2	183	Selenium Total	0.855	ug/L	J	6020A	0.830	10	1	1/19/2011	1/25/2011	1/28/2011	591
33-01	3301-MW-5	7440-22-4	184	Silver Total	6.47	ug/L	J	6010C	1.90	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-5	100-42-5	186	Styrene	2.6	ug/L	UD	8260B	2.6	1	10	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-5	18496-25-8	187	Sulfide	10	ug/L	U	SM18 4500-S D	10	1000	1	1/19/2011	1/21/2011	1/21/2011	591
33-01	3301-MW-5	630-20-6	190	1,1,1,2-Tetrachloroethane	4.0	ug/L	UD	8260B	4.0	5	10	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-5	79-34-5	191	1,1,2,2-Tetrachloroethane	3.3	ug/L	UD	8260B	3.3	3	10	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-5	127-18-4	192	Tetrachloroethene	3.6	ug/L	UD	8260B	3.6	1	10	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-5	7440-28-0	194	Thallium Total	0.110	ug/L	U	6020A	0.110	5.5	1	1/19/2011	1/25/2011	1/28/2011	591
33-01	3301-MW-5	108-88-3	196	Toluene	2.7	ug/L	UD	8260B	2.7	1	10	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-5	71-55-6	200	1,1,1-Trichloroethane	2.7	ug/L	UD	8260B	2.7	1	10	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-5	79-01-6	201	Trichloroethene	3.8	ug/L	UD	8260B	3.8	1	10	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-5	79-00-5	202	1,1,2-Trichloroethane	3.7	ug/L	UD	8260B	3.7	1	10	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-5	75-69-4	203	Trichlorofluoromethane	2.8	ug/L	UD	8260B	2.8	1	10	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-5	96-18-4	206	1,2,3-Trichloropropane	5.5	ug/L	UD	8260B	5.5	1	10	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-5	7440-62-2	209	Vanadium Total	1.40	ug/L	U	6010C	1.40	25	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-5	108-05-4	210	Vinyl acetate	9.8	ug/L	UD	8260B	9.8	50	10	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-5	75-01-4	211	Vinyl chloride	27	ug/L	D	8260B	3.0	1	10	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-5	7440-66-6	213	Zinc Total	61.1	ug/L		6010C	3.80	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-5	7440-41-7	23	Beryllium Total	0.100	ug/L	U	6010C	0.100	1	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-5	74-97-5	28	Bromochloromethane	4.2	ug/L	UD	8260B	4.2	3	10	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-5	75-27-4	29	Bromodichloromethane	3.7	ug/L	UD	8260B	3.7	1	10	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-5	67-64-1	3	Acetone	15	ug/L	UD	8260B	15	100	10	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-5	75-25-2	30	Bromoform	7.1	ug/L	UD	8260B	7.1	3	10	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-5	SW301	301	Chloride	10000	ug/L		300.0	18	NE	1	1/19/2011	1/26/2011	1/26/2011	591
33-01	3301-MW-5	SW303	303	Nitrate as N	30	ug/L	J	353.2	25	10000	1	1/19/2011	2/2/2011	2/3/2011	591
33-01	3301-MW-5	SW311	311	Total Dissolved Solids	550000	ug/L		SM 2540C	10000	NE	1	1/19/2011	1/21/2011	1/21/2011	591
33-01	3301-MW-5	14808-79-8	315	Sulfate as SO4	38000	ug/L	J	300.0	120	250000	1	1/19/2011	1/26/2011	1/26/2011	591
33-01	3301-MW-5	SW316	316	Biochemical Oxygen Demand	2000	ug/L	U	SM 5210B	2000	NE	1	1/19/2011	1/20/2011	1/20/2011	591
33-01	3301-MW-5	SW317	317	Chemical Oxygen Demand	77000	ug/L		SM 5220D	2800	NE	1	1/19/2011	1/25/2011	1/25/2011	591
33-01	3301-MW-5	SW337	337	Total Alkalinity as CaCO3	410000	ug/L	D	310.2	40000	NE	5	1/19/2011	1/26/2011	1/26/2011	591
33-01	3301-MW-5	7440-43-9	34	Cadmium Total	0.360	ug/L	U	6010C	0.360	1	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-5	7439-89-6	340	Iron Total	115000	ug/L		6010C	22.0	300	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-5	7439-96-5	342	Manganese Total	35000	ug/L	D	6010C	11.0	50	10	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-5	1330-20-7	346	Xylenes (Total)	4.0	ug/L	UD	8260B	4.0	5	10	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-5	75-15-0	35	Carbon disulfide	5.4	ug/L	UD	8260B	5.4	100	10	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-5	56-23-5	36	Carbon tetrachloride	3.8	ug/L	UD	8260B	3.8	1	10	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-5	108-90-7	39	Chlorobenzene	14	ug/L	D	8260B	2.7	3	10	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-5	75-00-3	41	Chloroethane	3.0	ug/L	UD	8260B	3.0	10	10	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-5	67-66-3	44	Chloroform	2.0	ug/L	UD	8260B	2.0	5	10	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-5	7440-47-3	51	Chromium Total	1.00	ug/L	U	6010C	1.00	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-5	7440-48-4	53	Cobalt Total	177	ug/L		6010C	1.10	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-5	7440-50-8	54	Copper Total	7.55	ug/L	J	6010C	1.60	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-5	124-48-1	66	Dibromochloromethane	3.2	ug/L	UD	8260B	3.2	3	10	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-5	96-12-8	67	1,2-Dibromo-3-chloropropane	4.8	ug/L	UD	8260B	4.8	13	10	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-5	106-93-4	68	1,2-Dibromoethane	4.2	ug/L	UD	8260B	4.2	1	10	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-5	95-50-1	69	1,2-Dichlorobenzene	2.7	ug/L	UD	8260B	2.7	5	10	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-5	106-46-7	71	1,4-Dichlorobenzene	9.3	ug/L	JD	8260B	3.8	1	10	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-5	110-57-6	73	trans-1,4-Dichloro-2-butene	5.4	ug/L	UD	8260B	5.4	100	10	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-5	75-34-3	75	1,1-Dichloroethane	6.2	ug/L	JD	8260B	3.3	5	10	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-5	107-06-2	76	1,2-Dichloroethane	6.5	ug/L	UD	8260B	6.5	1	10	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-5	75-35-4	77	1,1-Dichloroethene	2.4	ug/L	UD	8260B	2.4	5	10	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-5	156-59-2	78	cis-1,2-Dichloroethene	470	ug/L	D	8260B	3.6	5	10	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-5	156-60-5	79	trans-1,2-Dichloroethene	3.4	ug/L	UD	8260B	3.4	5	10	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-5	107-13-1	8	Acrylonitrile	21	ug/L	UD	8260B	21	200	10	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-5	78-87-5	82	1,2-Dichloropropane	2.0	ug/L	UD	8260B	2.0	1	10	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-5	10061-01-5	86	cis-1,3-Dichloropropene	2.8	ug/L	UD	8260B	2.8	1	10	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-5	10061-02-6	87	trans-1,3-Dichloropropene	3.8	ug/L	UD	8260B	3.8	1	10	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-5			Hydrogen	0.63	nM		AM20GAX	0.600			1/19/2011		2/2/2011	
33-01	3301-MW-5D		318	Depth To Water	10.50	ft						1/18/2011			
33-01	3301-MW-5D		411	Total Well Depth	41.63	ft						1/18/2011			
33-01	3301-MW-5D		328	TOC Elevation	52.08	ft AMSL						1/18/2011			
33-01	3301-MW-5D		319	Groundwater Elevation	41.58	ft AMSL						1/18/2011			
33-01	3301-MW-5S		318	Depth To Water	8.54	ft						1/18/2011			

33-01	3301-MW-5S		411	Total Well Depth	13.50	ft						1/18/2011			
33-01	3301-MW-5S		328	TOC Elevation	50.54	ft AMSL						1/18/2011			
33-01	3301-MW-5S		319	Groundwater Elevation	42.00	ft AMSL						1/18/2011			
33-01	3301-MW-6		318	Depth To Water	3.14	ft.						1/18/2011			
33-01	3301-MW-6		411	Total Well Depth	19.75	ft.						1/18/2011			
33-01	3301-MW-6		328	TOC Elevation	46.29	ft AMSL						1/18/2011			
33-01	3301-MW-6		319	Groundwater Elevation	43.15	ft AMSL						1/18/2011			
33-01	3301-MW-6		320	pH	5.01	standard units						1/18/2011			
33-01	3301-MW-6		323	Specific Conductivity	0.439	mS/cm						1/18/2011			
33-01	3301-MW-6		325	Temperature	11.13	ºC						1/18/2011			
33-01	3301-MW-6		330	Turbidity	9.6	NTUs						1/18/2011			
33-01	3301-MW-6			Pentanoic Acid	270	ug/L	U	VGC-13	270		1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW-6			iso-Pentanoic Acid	260	ug/L	U	VGC-13	260		1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW-6			iso-Hexanoic Acid	210	ug/L	U	VGC-13	210		1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW-6			HIBA (2-Hydroxyisobutyric Acid)	160	ug/L	U	VGC-13	160		1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW-6			Hexanoic Acid	230	ug/L	U	VGC-13	230		1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW-6	74-84-0	331	Ethane	1.50	ug/L	U	RSK-175	1.50	NE	1	1/18/2011	1/21/2011	1/21/2011	442
33-01	3301-MW-6	87701-65-3	332	Ethene	1.60	ug/L	U	RSK-175	1.60	NE	1	1/18/2011	1/21/2011	1/21/2011	442
33-01	3301-MW-6	74-82-8	333	Methane	9.98	ug/L		RSK-175	0.490	NE	1	1/18/2011	1/21/2011	1/21/2011	442
33-01	3301-MW-6	E-10195	357	Total Organic Carbon	2600	ug/L		SM18 5310B	280	NE	1	1/18/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-6	124-38-9	413	Carbon dioxide	172000	ug/L		RSK-175	2000	NE	1	1/18/2011	1/21/2011	1/21/2011	442
33-01	3301-MW-6	127-17-3	414	Pyruvic Acid	140	ug/L	U	VGC-13	140	NE	1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW-6	50-21-5	415	Lactic Acid	440	ug/L	U	VGC-13	440	NE	1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW-6	64-19-7	416	Acetic Acid	83	ug/L	U	VGC-13	83	NE	1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW-6	79-09-4	417	Propionic Acid	180	ug/L	U	VGC-13	180	NE	1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW-6	107-92-6	418	Butyric Acid	160	ug/L	U	VGC-13	160	NE	1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW-6	100-41-4	110	Ethylbenzene	0.20	ug/L	U	8260B	0.20	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-6	591-78-6	124	2-Hexanone	0.69	ug/L	U	8260B	0.69	50	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-6	7440-36-0	13	Antimony Total	0.220	ug/L	U	6020A	0.220	6	1	1/18/2011	1/20/2011	1/25/2011	591
33-01	3301-MW-6	7439-92-1	131	Lead Total	1.90	ug/L	U	6010C	1.90	10	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-6	7439-97-6	132	Mercury Total	0.170	ug/L	U	7470A	0.170	0.2	1	1/18/2011	1/21/2011	1/21/2011	591
33-01	3301-MW-6	74-83-9	136	Bromomethane	0.49	ug/L	U	8260B	0.49	10	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-6	74-87-3	137	Chloromethane	0.34	ug/L	U	8260B	0.34	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-6	74-95-3	139	Dibromomethane	0.37	ug/L	U	8260B	0.37	10	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-6	7440-38-2	14	Arsenic Total	2.80	ug/L	U	6010C	2.80	10	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-6	75-09-2	140	Methylene chloride	0.53	ug/L	U	8260B	0.53	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-6	78-93-3	141	2-Butanone	1.0	ug/L	U	8260B	1.0	100	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-6	74-88-4	142	Iodomethane	0.52	ug/L	U	8260B	0.52	10	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-6	108-10-1	147	4-Methyl-2-pentanone	1.1	ug/L	U	8260B	1.1	100	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-6	7440-39-3	15	Barium Total	84.0	ug/L	J	6010C	1.00	100	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-6	7440-02-0	152	Nickel Total	6.49	ug/L	J	6010C	1.80	50	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-6	71-43-2	16	Benzene	0.20	ug/L	U	8260B	0.20	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-6	7782-49-2	183	Selenium Total	0.953	ug/L	J	6020A	0.830	10	1	1/18/2011	1/20/2011	1/25/2011	591
33-01	3301-MW-6	7440-22-4	184	Silver Total	1.90	ug/L	U	6010C	1.90	10	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-6	100-42-5	186	Styrene	0.26	ug/L	U	8260B	0.26	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-6	18496-25-8	187	Sulfide	10	ug/L	U	SM18 4500-S D	10	1000	1	1/18/2011	1/21/2011	1/21/2011	591
33-01	3301-MW-6	630-20-6	190	1,1,1,2-Tetrachloroethane	0.40	ug/L	U	8260B	0.40	5	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-6	79-34-5	191	1,1,2,2-Tetrachloroethane	0.33	ug/L	U	8260B	0.33	3	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-6	127-18-4	192	Tetrachloroethene	0.36	ug/L	U	8260B	0.36	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-6	7440-28-0	194	Thallium Total	0.110	ug/L	U	6020A	0.110	5.5	1	1/18/2011	1/20/2011	1/25/2011	591
33-01	3301-MW-6	108-88-3	196	Toluene	0.27	ug/L	U	8260B	0.27	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-6	71-55-6	200	1,1,1-Trichloroethane	0.27	ug/L	U	8260B	0.27	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-6	79-01-6	201	Trichloroethene	0.38	ug/L	U	8260B	0.38	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-6	79-00-5	202	1,1,2-Trichloroethane	0.37	ug/L	U	8260B	0.37	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-6	75-69-4	203	Trichlorofluoromethane	0.28	ug/L	U	8260B	0.28	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-6	96-18-4	206	1,2,3-Trichloropropane	0.55	ug/L	U	8260B	0.55	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-6	7440-62-2	209	Vanadium Total	1.40	ug/L	U	6010C	1.40	25	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-6	108-05-4	210	Vinyl acetate	0.98	ug/L	U	8260B	0.98	50	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-6	75-01-4	211	Vinyl chloride	0.30	ug/L	U	8260B	0.30	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-6	7440-66-6	213	Zinc Total	25.8	ug/L		6010C	3.80	10	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-6	7440-41-7	23	Beryllium Total	0.231	ug/L	J	6010C	0.100	1	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-6	74-97-5	28	Bromochloromethane	0.42	ug/L	U	8260B	0.42	3	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-6	75-27-4	29	Bromodichloromethane	0.37	ug/L	U	8260B	0.37	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-6	67-64-1	3	Acetone	1.5	ug/L	U	8260B	1.5	100	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-6	75-25-2	30	Bromoform	0.71	ug/L	U	8260B	0.71	3	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-6	SW301	301	Chloride	77000	ug/L		300.0	18	NE	1	1/18/2011	1/21/2011	1/21/2011	591
33-01	3301-MW-6	SW303	303	Nitrate as N	35	ug/L	J	353.2	25	10000	1	1/18/2011	2/2/2011	2/2/2011	591
33-01	3301-MW-6	SW311	311	Total Dissolved Solids	240000	ug/L		SM 2540C	10000	NE	1	1/18/2011	1/21/2011	1/21/2011	591
33-01	3301-MW-6	14808-79-8	315	Sulfate as SO4	46000	ug/L	J	300.0	120	250000	1	1/18/2011	1/21/2011	1/21/2011	591
33-01	3301-MW-6	SW316	316	Biochemical Oxygen Demand	2000	ug/L	U	SM 5210B	2000	NE	1	1/18/2011	1/19/2011	1/19/2011	591
33-01	3301-MW-6	SW317	317	Chemical Oxygen Demand	18000	ug/L		SM 5220D	2800	NE	1	1/18/2011	1/25/2011	1/25/2011	591
33-01	3301-MW-6	SW337	337	Total Alkalinity as CaCO3	37000	ug/L		310.2	8000	NE	1	1/18/2011	1/26/2011	1/26/2011	591
33-01	3301-MW-6	7440-43-9	34	Cadmium Total	0.360	ug/L	U	6010C	0.360	1	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-6	7439-89-6	340	Iron Total	2350	ug/L		6010C	22.0	300	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-6	7439-96-5	342	Manganese Total	504	ug/L		6010C	1.10	50	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-6	1330-20-7	346	Xylenes (Total)	0.40	ug/L	U	8260B	0.40	5	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-6	75-15-0	35	Carbon disulfide	0.54	ug/L	U	8260B	0.54	100	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-6	56-23-5	36	Carbon tetrachloride	0.38	ug/L	U	8260B	0.38	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-6	108-90-7	39	Chlorobenzene	0.27	ug/L	U	8260B	0.27	3	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-6	75-00-3	41	Chloroethane	0.30	ug/L	U	8260B	0.30	10	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-6	67-66-3	44	Chloroform	0.20	ug/L	U	8260B	0.20	5	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-6	7440-47-3	51	Chromium Total	1.00	ug/L	U	6010C	1.00	10	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-6	7440-48-4	53	Cobalt Total	8.63	ug/L	J	6010C	1.10	10	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-6	7440-50-8	54	Copper Total	1.60	ug/L	U	6010C	1.60	10	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-6	124-48-1	66	Dibromochloromethane	0.32	ug/L	U	8260B	0.32	3	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-6	96-12-8	67	1,2-Dibromo-3-chloropropane	0.48	ug/L	U	8260B	0.48	13	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-6	106-93-4	68	1,2-Dibromoethane	0.42	ug/L	U	8260B	0.42	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-6	95-50-1	69	1,2-Dichlorobenzene	0.27	ug/L	U	8260B	0.27	5	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-6	106-46-7	71	1,4-Dichlorobenzene	0.38	ug/L	U	8260B	0.38	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-6	110-57-6	73	trans-1,4-Dichloro-2-butene	0.54	ug/L	U	8260B	0.54	100	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-6	75-34-3	75	1,1-Dichloroethane	0.33	ug/L	U	8260B	0.33	5	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-6	107-06-2	76	1,2-Dichloroethane	0.65	ug/L	U	8260B	0.65	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-6	75-35-4	77	1,1-Dichloroethene	0.24	ug/L	U	8260B	0.24	5	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-6	156-59-2	78	cis-1,2-Dichloroethene	0.36	ug/L	U	8260B	0.36	5	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-6	156-60-5	79	trans-1,2-Dichloroethene	0.34	ug/L	U	8260B	0.34	5	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-6	107-13-1	8	Acrylonitrile	2.1	ug/L	U	8260B	2.1	200	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-6	78-87-5	82	1,2-Dichloropropane	0.20	ug/L	U	8260B	0.20	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-6	10061-01-5	86	cis-1,3-Dichloropropene	0.28	ug/L	U	8260B	0.28	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-6	10061-02-6	87	trans-1,3-Dichloropropene	0.38	ug/L	U	8260B	0.38	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-6			Hydrogen	0.60	nM	U	AM20GAX	0.600			1/1/811		2/1/2011	
33-01	3301-MW-7A		318	Depth To Water	14.09	ft						1/18/2011			
33-01	3301-MW-7A		411	Total Well Depth	26.94	ft						1/18/2011			
33-01	3301-MW-7A		328	TOC Elevation	68.43	ft AMSL						1/18/2011			
33-01	3301-MW-7A		319	Groundwater Elevation	54.34	ft AMSL						1/18/2011			
33-01	3301-MW-7A		320	pH	5.75	standard units						1/19/2011			
33-01	3301-MW-7A		323	Specific Conductivity	0.899	mS/cm						1/19/2011			
33-01	3301-MW-7A		325	Temperature	15.26	ºC						1/19/2011			
33-01	3301-MW-7A		330	Turbidity	36.5	NTUs						1/19/2011			
33-01	3301-MW-7A			Hexanoic Acid	230	ug/L	U	VGC-13	230		1	1/19/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-7A			HIBA (2-Hydroxyisobutyric Acid)	160	ug/L	U	VGC-13	160		1	1/19/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-7A			iso-Hexanoic Acid	210	ug/L	U	VGC-13	210		1	1/19/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-7A			Pentanoic Acid	270	ug/L	U	VGC-13	270		1	1/19/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-7A			iso-Pentanoic Acid	260	ug/L	U	VGC-13	260		1	1/19/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-7A	74-84-0	331	Ethane	1.50	ug/L	U	RSK-175	1.50	NE	1	1/19/2011	1/26/2011	1/26/2011	442
33-01	3301-MW-7A	87701-65-3	332	Ethene	1.60	ug/L	U	RSK-175	1.60	NE	1	1/19/2011	1/26/2011	1/26/2011	442
33-01	3301-MW-7A	74-82-8	333	Methane	2780	ug/L		RSK-175	0.490	NE	1	1/19/2011	1/26/2011	1/26/2011	442
33-01	3301-MW-7A	E-10195	357	Total Organic Carbon	3800	ug/L		SM18 5310B	280	NE	1	1/19/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-7A	124-38-9	413	Carbon dioxide	681000	ug/L	D	RSK-175	20000	NE	10	1/19/2011	1/26/2011	1/26/2011	442

33-01	3301-MW-7A	127-17-3	414	Pyruvic Acid	140	ug/L	U	VGC-13	140	NE	1	1/19/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-7A	50-21-5	415	Lactic Acid	440	ug/L	U	VGC-13	440	NE	1	1/19/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-7A	64-19-7	416	Acetic Acid	83	ug/L	U	VGC-13	83	NE	1	1/19/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-7A	79-09-4	417	Propionic Acid	180	ug/L	U	VGC-13	180	NE	1	1/19/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-7A	107-92-6	418	Butyric Acid	160	ug/L	U	VGC-13	160	NE	1	1/19/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-7A	100-41-4	110	Ethylbenzene	0.20	ug/L	U	8260B	0.20	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-7A	591-78-6	124	2-Hexanone	0.69	ug/L	U	8260B	0.69	50	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-7A	7440-36-0	13	Antimony Dissolved	0.220	ug/L	U	6020A	0.220	6	1	1/19/2011	2/8/2011	2/10/2011	591
33-01	3301-MW-7A	7440-36-0	13	Antimony Total	0.220	ug/L	U	6020A	0.220	6	1	1/19/2011	1/25/2011	1/28/2011	591
33-01	3301-MW-7A	7439-92-1	131	Lead Dissolved	1.90	ug/L	U	6010C	1.90	10	1	1/19/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-7A	7439-92-1	131	Lead Total	1.90	ug/L	U	6010C	1.90	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-7A	7439-97-6	132	Mercury Total	0.170	ug/L	U	7470A	0.170	0.2	1	1/19/2011	1/21/2011	1/21/2011	591
33-01	3301-MW-7A	74-83-9	136	Bromomethane	0.49	ug/L	U	8260B	0.49	10	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-7A	74-87-3	137	Chloromethane	0.34	ug/L	U	8260B	0.34	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-7A	74-95-3	139	Dibromomethane	0.37	ug/L	U	8260B	0.37	10	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-7A	7440-38-2	14	Arsenic Dissolved	2.80	ug/L	U	6010C	2.80	10	1	1/19/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-7A	7440-38-2	14	Arsenic Total	16.0	ug/L		6010C	2.80	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-7A	75-09-2	140	Methylene chloride	0.53	ug/L	U	8260B	0.53	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-7A	78-93-3	141	2-Butanone	1.0	ug/L	U	8260B	1.0	100	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-7A	74-88-4	142	Iodomethane	0.52	ug/L	U	8260B	0.52	10	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-7A	108-10-1	147	4-Methyl-2-pentanone	1.1	ug/L	U	8260B	1.1	100	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-7A	7440-39-3	15	Barium Dissolved	143	ug/L		6010C	1.00	100	1	1/19/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-7A	7440-39-3	15	Barium Total	176	ug/L		6010C	1.00	100	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-7A	7440-02-0	152	Nickel Dissolved	1.80	ug/L	U	6010C	1.80	50	1	1/19/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-7A	7440-02-0	152	Nickel Total	1.80	ug/L	U	6010C	1.80	50	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-7A	71-43-2	16	Benzene	1.8	ug/L		8260B	0.20	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-7A	7782-49-2	183	Selenium Dissolved	2.03	ug/L	J	6020A	0.830	10	1	1/19/2011	2/8/2011	2/10/2011	591
33-01	3301-MW-7A	7782-49-2	183	Selenium Total	1.14	ug/L	J	6020A	0.830	10	1	1/19/2011	1/25/2011	1/28/2011	591
33-01	3301-MW-7A	7440-22-4	184	Silver Dissolved	1.90	ug/L	U	6010C	1.90	10	1	1/19/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-7A	7440-22-4	184	Silver Total	1.90	ug/L	U	6010C	1.90	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-7A	100-42-5	186	Styrene	0.26	ug/L	U	8260B	0.26	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-7A	18496-25-8	187	Sulfide	10	ug/L	U	SM18 4500-S D	10	1000	1	1/19/2011	1/21/2011	1/21/2011	591
33-01	3301-MW-7A	630-20-6	190	1,1,1,2-Tetrachloroethane	0.40	ug/L	U	8260B	0.40	5	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-7A	79-34-5	191	1,1,2,2-Tetrachloroethane	0.33	ug/L	U	8260B	0.33	3	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-7A	127-18-4	192	Tetrachloroethene	0.36	ug/L	U	8260B	0.36	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-7A	7440-28-0	194	Thallium Total	0.110	ug/L	U	6020A	0.110	5.5	1	1/19/2011	1/25/2011	1/28/2011	591
33-01	3301-MW-7A	7440-28-0	194	Thallium Dissolved	0.110	ug/L	U	6020A	0.110	5.5	1	1/19/2011	2/8/2011	2/10/2011	591
33-01	3301-MW-7A	108-88-3	196	Toluene	0.27	ug/L	U	8260B	0.27	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-7A	71-55-6	200	1,1,1-Trichloroethane	0.27	ug/L	U	8260B	0.27	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-7A	79-01-6	201	Trichloroethene	0.38	ug/L	U	8260B	0.38	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-7A	79-00-5	202	1,1,2-Trichloroethane	0.37	ug/L	U	8260B	0.37	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-7A	75-69-4	203	Trichlorofluoromethane	0.28	ug/L	U	8260B	0.28	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-7A	96-18-4	206	1,2,3-Trichloropropane	0.55	ug/L	U	8260B	0.55	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-7A	7440-62-2	209	Vanadium Dissolved	1.40	ug/L	U	6010C	1.40	25	1	1/19/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-7A	7440-62-2	209	Vanadium Total	1.40	ug/L	U	6010C	1.40	25	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-7A	108-05-4	210	Vinyl acetate	0.98	ug/L	U	8260B	0.98	50	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-7A	75-01-4	211	Vinyl chloride	0.30	ug/L	U	8260B	0.30	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-7A	7440-66-6	213	Zinc Total	3.80	ug/L	U	6010C	3.80	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-7A	7440-66-6	213	Zinc Dissolved	3.80	ug/L	U	6010C	3.80	10	1	1/19/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-7A	7440-41-7	23	Beryllium Dissolved	0.100	ug/L	U	6010C	0.100	1	1	1/19/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-7A	7440-41-7	23	Beryllium Total	0.100	ug/L	U	6010C	0.100	1	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-7A	74-97-5	28	Bromochloromethane	0.42	ug/L	U	8260B	0.42	3	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-7A	75-27-4	29	Bromodichloromethane	0.37	ug/L	U	8260B	0.37	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-7A	67-64-1	3	Acetone	1.5	ug/L	U	8260B	1.5	100	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-7A	75-25-2	30	Bromoform	0.71	ug/L	U	8260B	0.71	3	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-7A	SW301	301	Chloride	34000	ug/L		300.0	18	NE	1	1/19/2011	1/26/2011	1/26/2011	591
33-01	3301-MW-7A	SW303	303	Nitrate as N	47	ug/L	J	353.2	25	10000	1	1/19/2011	2/2/2011	2/3/2011	591
33-01	3301-MW-7A	SW311	311	Total Dissolved Solids	350000	ug/L		SM 2540C	10000	NE	1	1/19/2011	1/21/2011	1/21/2011	591
33-01	3301-MW-7A	14808-79-8	315	Sulfate as SO4	3100	ug/L	J	300.0	120	250000	1	1/19/2011	1/26/2011	1/26/2011	591
33-01	3301-MW-7A	SW316	316	Biochemical Oxygen Demand	10000	ug/L		SM 5210B	2000	NE	1	1/19/2011	1/20/2011	1/20/2011	591
33-01	3301-MW-7A	SW317	317	Chemical Oxygen Demand	44000	ug/L		SM 5220D	2800	NE	1	1/19/2011	1/25/2011	1/25/2011	591
33-01	3301-MW-7A	SW337	337	Total Alkalinity as CaCO3	140000	ug/L		310.2	8000	NE	1	1/19/2011	1/26/2011	1/26/2011	591
33-01	3301-MW-7A	7440-43-9	34	Cadmium Dissolved	0.360	ug/L	U	6010C	0.360	1	1	1/19/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-7A	7440-43-9	34	Cadmium Total	0.360	ug/L	U	6010C	0.360	1	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-7A	7439-89-6	340	Iron Total	237000	ug/L		6010C	22.0	300	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-7A	7439-96-5	342	Manganese Total	440	ug/L		6010C	1.10	50	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-7A	1330-20-7	346	Xylenes (Total)	0.40	ug/L	U	8260B	0.40	5	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-7A	75-15-0	35	Carbon disulfide	0.54	ug/L	U	8260B	0.54	100	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-7A	56-23-5	36	Carbon tetrachloride	0.38	ug/L	U	8260B	0.38	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-7A	108-90-7	39	Chlorobenzene	3.3	ug/L		8260B	0.27	3	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-7A	75-00-3	41	Chloroethane	0.30	ug/L	U	8260B	0.30	10	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-7A	67-66-3	44	Chloroform	0.20	ug/L	U	8260B	0.20	5	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-7A	7440-47-3	51	Chromium Dissolved	1.00	ug/L	U	6010C	1.00	10	1	1/19/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-7A	7440-47-3	51	Chromium Total	1.00	ug/L	U	6010C	1.00	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-7A	7440-48-4	53	Cobalt Dissolved	1.10	ug/L	U	6010C	1.10	10	1	1/19/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-7A	7440-48-4	53	Cobalt Total	1.10	ug/L	U	6010C	1.10	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-7A	7440-50-8	54	Copper Dissolved	4.99	ug/L	J	6010C	1.60	10	1	1/19/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-7A	7440-50-8	54	Copper Total	10.1	ug/L		6010C	1.60	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-7A	124-48-1	66	Dibromochloromethane	0.32	ug/L	U	8260B	0.32	3	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-7A	96-12-8	67	1,2-Dibromo-3-chloropropane	0.48	ug/L	U	8260B	0.48	13	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-7A	106-93-4	68	1,2-Dibromoethane	0.42	ug/L	U	8260B	0.42	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-7A	95-50-1	69	1,2-Dichlorobenzene	0.27	ug/L	U	8260B	0.27	5	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-7A	106-46-7	71	1,4-Dichlorobenzene	1.3	ug/L		8260B	0.38	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-7A	110-57-6	73	trans-1,4-Dichloro-2-butene	0.54	ug/L	U	8260B	0.54	100	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-7A	75-34-3	75	1,1-Dichloroethane	0.33	ug/L	U	8260B	0.33	5	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-7A	107-06-2	76	1,2-Dichloroethane	0.65	ug/L	U	8260B	0.65	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-7A	75-35-4	77	1,1-Dichloroethene	0.24	ug/L	U	8260B	0.24	5	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-7A	156-59-2	78	cis-1,2-Dichloroethene	0.54	ug/L	J	8260B	0.36	5	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-7A	156-60-5	79	trans-1,2-Dichloroethene	0.34	ug/L	U	8260B	0.34	5	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-7A	107-13-1	8	Acrylonitrile	2.1	ug/L	U	8260B	2.1	200	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-7A	78-87-5	82	1,2-Dichloropropane	0.20	ug/L	U	8260B	0.20	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-7A	10061-01-5	86	cis-1,3-Dichloropropene	0.28	ug/L	U	8260B	0.28	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-7A	10061-02-6	87	trans-1,3-Dichloropropene	0.38	ug/L	U	8260B	0.38	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-7A			Hydrogen	0.78	nM		AM20GAX	0.600			1/19/2011		2/2/2011	
33-01	3301-MW-8A		318	Depth To Water	10.75	ft						1/18/2011			
33-01	3301-MW-8A		411	Total Well Depth	22.38	ft						1/18/2011			
33-01	3301-MW-8A		328	TOC Elevation	82.34	ft AMSL						1/18/2011			
33-01	3301-MW-8A		319	Groundwater Elevation	71.59	ft AMSL						1/18/2011			
33-01	3301-MW-9		318	Depth To Water	5.12	ft						1/18/2011			
33-01	3301-MW-9		411	Total Well Depth	16.85	ft						1/18/2011			
33-01	3301-MW-9		328	TOC Elevation	72.41	ft AMSL						1/18/2011			
33-01	3301-MW-9		319	Groundwater Elevation	67.29	ft AMSL						1/18/2011			
33-01	3301-MW-9		320	pH	6.79	standard units						1/18/2011			
33-01	3301-MW-9		323	Specific Conductivity	0.199	mS/cm						1/18/2011			
33-01	3301-MW-9		325	Temperature	12.56	ºC						1/18/2011			
33-01	3301-MW-9		330	Turbidity	28.2	NTUs						1/18/2011			
33-01	3301-MW-9			HIBA (2-Hydroxyisobutyric Acid)	160	ug/L	U	VGC-13	160		1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW-9			iso-Hexanoic Acid	210	ug/L	U	VGC-13	210		1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW-9			iso-Pentanoic Acid	260	ug/L	U	VGC-13	260		1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW-9			Pentanoic Acid	270	ug/L	U	VGC-13	270		1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW-9			Hexanoic Acid	230	ug/L	U	VGC-13	230		1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW-9	74-84-0	331	Ethane	1.50	ug/L	U	RSK-175	1.50	NE	1	1/18/2011	1/21/2011	1/21/2011	442
33-01	3301-MW-9	87701-65-3	332	Ethene	1.60	ug/L	U	RSK-175	1.60	NE	1	1/18/2011	1/21/2011	1/21/2011	442
33-01	3301-MW-9	74-82-8	333	Methane	0.490	ug/L	U	RSK-175	0.490	NE	1	1/18/2011	1/21/2011	1/21/2011	442
33-01	3301-MW-9	E-10195	357	Total Organic Carbon	410	ug/L	J	SM18 5310B	280	NE	1	1/18/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-9	124-38-9	413	Carbon dioxide	11300	ug/L		RSK-175	2000	NE	1	1/18/2011	1/21/2011	1/21/2011	442
33-01	3301-MW-9	127-17-3	414	Pyruvic Acid	140	ug/L	U	VGC-13	140	NE	1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW-9	50-21-5	415	Lactic Acid	440	ug/L	U	VGC-13	440	NE	1	1/18/2011	1/21/2011	1/23/2011	442

33-01	3301-MW-9	64-19-7	416	Acetic Acid	83	ug/L	U	VGC-13	83	NE	1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW-9	79-09-4	417	Propionic Acid	180	ug/L	U	VGC-13	180	NE	1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW-9	107-92-6	418	Butyric Acid	160	ug/L	U	VGC-13	160	NE	1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW-9	100-41-4	110	Ethylbenzene	0.20	ug/L	U	8260B	0.20	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-9	591-78-6	124	2-Hexanone	0.69	ug/L	U	8260B	0.69	50	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-9	7440-36-0	13	Antimony Total	0.220	ug/L	U	6020A	0.220	6	1	1/18/2011	1/20/2011	1/25/2011	591
33-01	3301-MW-9	7440-36-0	13	Antimony Dissolved	0.220	ug/L	U	6020A	0.220	6	1	1/18/2011	2/8/2011	2/10/2011	591
33-01	3301-MW-9	7439-92-1	131	Lead Total	1.90	ug/L	U	6010C	1.90	10	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-9	7439-92-1	131	Lead Dissolved	1.90	ug/L	U	6010C	1.90	10	1	1/18/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-9	7439-97-6	132	Mercury Total	0.170	ug/L	U	7470A	0.170	0.2	1	1/18/2011	1/21/2011	1/21/2011	591
33-01	3301-MW-9	74-83-9	136	Bromomethane	0.49	ug/L	U	8260B	0.49	10	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-9	74-87-3	137	Chloromethane	0.34	ug/L	U	8260B	0.34	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-9	74-95-3	139	Dibromomethane	0.37	ug/L	U	8260B	0.37	10	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-9	7440-38-2	14	Arsenic Dissolved	2.80	ug/L	U	6010C	2.80	10	1	1/18/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-9	7440-38-2	14	Arsenic Total	2.80	ug/L	U	6010C	2.80	10	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-9	75-09-2	140	Methylene chloride	0.53	ug/L	U	8260B	0.53	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-9	78-93-3	141	2-Butanone	1.0	ug/L	U	8260B	1.0	100	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-9	74-88-4	142	Iodomethane	0.52	ug/L	U	8260B	0.52	10	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-9	108-10-1	147	4-Methyl-2-pentanone	1.1	ug/L	U	8260B	1.1	100	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-9	7440-39-3	15	Barium Dissolved	91.4	ug/L	J	6010C	1.00	100	1	1/18/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-9	7440-39-3	15	Barium Total	190	ug/L		6010C	1.00	100	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-9	7440-02-0	152	Nickel Dissolved	1.80	ug/L	U	6010C	1.80	50	1	1/18/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-9	7440-02-0	152	Nickel Total	1.80	ug/L	U	6010C	1.80	50	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-9	71-43-2	16	Benzene	0.20	ug/L	U	8260B	0.20	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-9	7782-49-2	183	Selenium Total	0.830	ug/L	U	6020A	0.830	10	1	1/18/2011	1/20/2011	1/25/2011	591
33-01	3301-MW-9	7782-49-2	183	Selenium Dissolved	0.830	ug/L	U	6020A	0.830	10	1	1/18/2011	2/8/2011	2/10/2011	591
33-01	3301-MW-9	7440-22-4	184	Silver Total	1.90	ug/L	U	6010C	1.90	10	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-9	7440-22-4	184	Silver Dissolved	1.90	ug/L	U	6010C	1.90	10	1	1/18/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-9	100-42-5	186	Styrene	0.26	ug/L	U	8260B	0.26	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-9	18496-25-8	187	Sulfide	10	ug/L	U	SM18 4500-S D	10	1000	1	1/18/2011	1/21/2011	1/21/2011	591
33-01	3301-MW-9	630-20-6	190	1,1,1,2-Tetrachloroethane	0.40	ug/L	U	8260B	0.40	5	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-9	79-34-5	191	1,1,2,2-Tetrachloroethane	0.33	ug/L	U	8260B	0.33	3	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-9	127-18-4	192	Tetrachloroethene	0.36	ug/L	U	8260B	0.36	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-9	7440-28-0	194	Thallium Dissolved	0.110	ug/L	U	6020A	0.110	5.5	1	1/18/2011	2/8/2011	2/10/2011	591
33-01	3301-MW-9	7440-28-0	194	Thallium Total	0.110	ug/L	U	6020A	0.110	5.5	1	1/18/2011	1/20/2011	1/25/2011	591
33-01	3301-MW-9	108-88-3	196	Toluene	0.27	ug/L	U	8260B	0.27	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-9	71-55-6	200	1,1,1-Trichloroethane	0.27	ug/L	U	8260B	0.27	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-9	79-01-6	201	Trichloroethene	0.38	ug/L	U	8260B	0.38	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-9	79-00-5	202	1,1,2-Trichloroethane	0.37	ug/L	U	8260B	0.37	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-9	75-69-4	203	Trichlorofluoromethane	0.28	ug/L	U	8260B	0.28	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-9	96-18-4	206	1,2,3-Trichloropropane	0.55	ug/L	U	8260B	0.55	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-9	7440-62-2	209	Vanadium Total	1.40	ug/L	U	6010C	1.40	25	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-9	7440-62-2	209	Vanadium Dissolved	1.40	ug/L	U	6010C	1.40	25	1	1/18/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-9	108-05-4	210	Vinyl acetate	0.98	ug/L	U	8260B	0.98	50	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-9	75-01-4	211	Vinyl chloride	0.30	ug/L	U	8260B	0.30	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-9	7440-66-6	213	Zinc Dissolved	3.80	ug/L	U	6010C	3.80	10	1	1/18/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-9	7440-66-6	213	Zinc Total	3.80	ug/L	U	6010C	3.80	10	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-9	7440-41-7	23	Beryllium Dissolved	0.100	ug/L	U	6010C	0.100	1	1	1/18/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-9	7440-41-7	23	Beryllium Total	0.100	ug/L	U	6010C	0.100	1	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-9	74-97-5	28	Bromochloromethane	0.42	ug/L	U	8260B	0.42	3	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-9	75-27-4	29	Bromodichloromethane	0.37	ug/L	U	8260B	0.37	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-9	67-64-1	3	Acetone	1.5	ug/L	U	8260B	1.5	100	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-9	75-25-2	30	Bromoform	0.71	ug/L	U	8260B	0.71	3	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-9	SW301	301	Chloride	3600	ug/L	J	300.0	18	NE	1	1/18/2011	1/21/2011	1/21/2011	591
33-01	3301-MW-9	SW303	303	Nitrate as N	25	ug/L	U	353.2	25	10000	1	1/18/2011	2/2/2011	2/2/2011	591
33-01	3301-MW-9	SW311	311	Total Dissolved Solids	110000	ug/L		SM 2540C	10000	NE	1	1/18/2011	1/21/2011	1/21/2011	591
33-01	3301-MW-9	14808-79-8	315	Sulfate as SO4	3300	ug/L	J	300.0	120	250000	1	1/18/2011	1/21/2011	1/21/2011	591
33-01	3301-MW-9	SW316	316	Biochemical Oxygen Demand	2000	ug/L	U	SM 5210B	2000	NE	1	1/18/2011	1/19/2011	1/19/2011	591
33-01	3301-MW-9	SW317	317	Chemical Oxygen Demand	7500	ug/L	J	SM 5220D	2800	NE	1	1/18/2011	1/25/2011	1/25/2011	591
33-01	3301-MW-9	SW337	337	Total Alkalinity as CaCO3	95000	ug/L		310.2	8000	NE	1	1/18/2011	1/26/2011	1/26/2011	591
33-01	3301-MW-9	7440-43-9	34	Cadmium Total	0.360	ug/L	U	6010C	0.360	1	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-9	7440-43-9	34	Cadmium Dissolved	0.360	ug/L	U	6010C	0.360	1	1	1/18/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-9	7439-89-6	340	Iron Total	5380	ug/L		6010C	22.0	300	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-9	7439-96-5	342	Manganese Total	64.6	ug/L		6010C	1.10	50	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-9	1330-20-7	346	Xylenes (Total)	0.40	ug/L	U	8260B	0.40	5	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-9	75-15-0	35	Carbon disulfide	0.54	ug/L	U	8260B	0.54	100	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-9	56-23-5	36	Carbon tetrachloride	0.38	ug/L	U	8260B	0.38	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-9	108-90-7	39	Chlorobenzene	0.27	ug/L	U	8260B	0.27	3	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-9	75-00-3	41	Chloroethane	0.30	ug/L	U	8260B	0.30	10	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-9	67-66-3	44	Chloroform	0.20	ug/L	U	8260B	0.20	5	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-9	7440-47-3	51	Chromium Dissolved	1.00	ug/L	U	6010C	1.00	10	1	1/18/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-9	7440-47-3	51	Chromium Total	1.00	ug/L	U	6010C	1.00	10	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-9	7440-48-4	53	Cobalt Dissolved	1.10	ug/L	U	6010C	1.10	10	1	1/18/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-9	7440-48-4	53	Cobalt Total	1.10	ug/L	U	6010C	1.10	10	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-9	7440-50-8	54	Copper Total	1.60	ug/L	U	6010C	1.60	10	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-9	7440-50-8	54	Copper Dissolved	1.60	ug/L	U	6010C	1.60	10	1	1/18/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-9	124-48-1	66	Dibromochloromethane	0.32	ug/L	U	8260B	0.32	3	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-9	96-12-8	67	1,2-Dibromo-3-chloropropane	0.48	ug/L	U	8260B	0.48	13	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-9	106-93-4	68	1,2-Dibromoethane	0.42	ug/L	U	8260B	0.42	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-9	95-50-1	69	1,2-Dichlorobenzene	0.27	ug/L	U	8260B	0.27	5	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-9	106-46-7	71	1,4-Dichlorobenzene	0.38	ug/L	U	8260B	0.38	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-9	110-57-6	73	trans-1,4-Dichloro-2-butene	0.54	ug/L	U	8260B	0.54	100	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-9	75-34-3	75	1,1-Dichloroethane	0.33	ug/L	U	8260B	0.33	5	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-9	107-06-2	76	1,2-Dichloroethane	0.65	ug/L	U	8260B	0.65	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-9	75-35-4	77	1,1-Dichloroethene	0.24	ug/L	U	8260B	0.24	5	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-9	156-59-2	78	cis-1,2-Dichloroethene	0.36	ug/L	U	8260B	0.36	5	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-9	156-60-5	79	trans-1,2-Dichloroethene	0.34	ug/L	U	8260B	0.34	5	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-9	107-13-1	8	Acrylonitrile	2.1	ug/L	U	8260B	2.1	200	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-9	78-87-5	82	1,2-Dichloropropane	0.20	ug/L	U	8260B	0.20	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-9	10061-01-5	86	cis-1,3-Dichloropropene	0.28	ug/L	U	8260B	0.28	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-9	10061-02-6	87	trans-1,3-Dichloropropene	0.38	ug/L	U	8260B	0.38	1	1	1/18/2011	1/20/2011	1/21/2011	591
33-01	3301-MW-9			Hydrogen	0.60	nM	U	AM20GAX	0.600			1/18/2011		2/1/2011	
33-01	3301-MW-10		318	Depth To Water	4.38	ft						1/18/2011			
33-01	3301-MW-10		411	Total Well Depth	13.57	ft						1/18/2011			
33-01	3301-MW-10		328	TOC Elevation	75.78	ft AMSL						1/18/2011			
33-01	3301-MW-10		319	Groundwater Elevation	71.40	ft AMSL						1/18/2011			
33-01	3301-MW-12		318	Depth To Water	6.85	ft						1/18/2011			
33-01	3301-MW-12		411	Total Well Depth	12.68	ft						1/18/2011			
33-01	3301-MW-12		328	TOC Elevation	51.24	ft AMSL						1/18/2011			
33-01	3301-MW-12		319	Groundwater Elevation	44.39	ft AMSL						1/18/2011			
33-01	3301-MW-12		320	pH	4.24	standard units						1/19/2011			
33-01	3301-MW-12		323	Specific Conductivity	0.803	mS/cm						1/19/2011			
33-01	3301-MW-12		325	Temperature	12.27	ºC						1/19/2011			
33-01	3301-MW-12		330	Turbidity	18.7	NTUs						1/19/2011			
33-01	3301-MW-12			iso-Pentanoic Acid	260	ug/L	U	VGC-13	260		1	1/19/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-12			iso-Hexanoic Acid	210	ug/L	U	VGC-13	210		1	1/19/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-12			Hexanoic Acid	230	ug/L	U	VGC-13	230		1	1/19/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-12			Pentanoic Acid	270	ug/L	U	VGC-13	270		1	1/19/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-12			HIBA (2-Hydroxyisobutyric Acid)	160	ug/L	U	VGC-13	160		1	1/19/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-12	74-84-0	331	Ethane	1.50	ug/L	U	RSK-175	1.50	NE	1	1/19/2011	1/26/2011	1/26/2011	442
33-01	3301-MW-12	87701-65-3	332	Ethene	1.60	ug/L	U	RSK-175	1.60	NE	1	1/19/2011	1/26/2011	1/26/2011	442
33-01	3301-MW-12	74-82-8	333	Methane	0.490	ug/L	U	RSK-175	0.490	NE	1	1/19/2011	1/26/2011	1/26/2011	442
33-01	3301-MW-12	E-10195	357	Total Organic Carbon	8200	ug/L		SM18 5310B	280	NE	1	1/19/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-12	124-38-9	413	Carbon dioxide	556000	ug/L	D	RSK-175	20000	NE	10	1/19/2011	1/26/2011	1/26/2011	442
33-01	3301-MW-12	127-17-3	414	Pyruvic Acid	140	ug/L	U	VGC-13	140	NE	1	1/19/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-12	50-21-5	415	Lactic Acid	440	ug/L	U	VGC-13	440	NE	1	1/19/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-12	64-19-7	416	Acetic Acid	2100	ug/L		VGC-13	83	NE	1	1/19/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-12	79-09-4	417	Propionic Acid	180	ug/L	U	VGC-13	180	NE	1	1/19/2011	1/24/2011	1/24/2011	442

33-01	3301-MW-12	107-92-6	418	Butyric Acid	160	ug/L	U	VGC-13	160	NE	1	1/19/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-12	100-41-4	110	Ethylbenzene	0.20	ug/L	U	8260B	0.20	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-12	591-78-6	124	2-Hexanone	0.69	ug/L	U	8260B	0.69	50	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-12	7440-36-0	13	Antimony Total	0.220	ug/L	U	6020A	0.220	6	1	1/19/2011	1/25/2011	1/28/2011	591
33-01	3301-MW-12	7440-36-0	13	Antimony Dissolved	0.220	ug/L	U	6020A	0.220	6	1	1/19/2011	2/8/2011	2/10/2011	591
33-01	3301-MW-12	7439-92-1	131	Lead Total	1.90	ug/L	U	6010C	1.90	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-12	7439-92-1	131	Lead Dissolved	1.90	ug/L	U	6010C	1.90	10	1	1/19/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-12	7439-97-6	132	Mercury Total	0.170	ug/L	U	7470A	0.170	0.2	1	1/19/2011	1/21/2011	1/21/2011	591
33-01	3301-MW-12	74-83-9	136	Bromomethane	0.49	ug/L	U	8260B	0.49	10	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-12	74-87-3	137	Chloromethane	0.34	ug/L	U	8260B	0.34	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-12	74-95-3	139	Dibromomethane	0.37	ug/L	U	8260B	0.37	10	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-12	7440-38-2	14	Arsenic Dissolved	2.80	ug/L	U	6010C	2.80	10	1	1/19/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-12	7440-38-2	14	Arsenic Total	2.80	ug/L	U	6010C	2.80	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-12	75-09-2	140	Methylene chloride	0.53	ug/L	U	8260B	0.53	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-12	78-93-3	141	2-Butanone	1.0	ug/L	U	8260B	1.0	100	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-12	74-88-4	142	Iodomethane	0.52	ug/L	U	8260B	0.52	10	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-12	108-10-1	147	4-Methyl-2-pentanone	1.1	ug/L	U	8260B	1.1	100	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-12	7440-39-3	15	Barium Dissolved	287	ug/L		6010C	1.00	100	1	1/19/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-12	7440-39-3	15	Barium Total	303	ug/L		6010C	1.00	100	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-12	7440-02-0	152	Nickel Dissolved	20.4	ug/L	J	6010C	1.80	50	1	1/19/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-12	7440-02-0	152	Nickel Total	22.2	ug/L	J	6010C	1.80	50	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-12	71-43-2	16	Benzene	2.6	ug/L		8260B	0.20	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-12	7782-49-2	183	Selenium Total	8.83	ug/L	J	6020A	0.830	10	1	1/19/2011	1/25/2011	1/28/2011	591
33-01	3301-MW-12	7782-49-2	183	Selenium Dissolved	9.14	ug/L	J	6020A	0.830	10	1	1/19/2011	2/8/2011	2/10/2011	591
33-01	3301-MW-12	7440-22-4	184	Silver Total	1.90	ug/L	U	6010C	1.90	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-12	7440-22-4	184	Silver Dissolved	1.90	ug/L	U	6010C	1.90	10	1	1/19/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-12	100-42-5	186	Styrene	0.26	ug/L	U	8260B	0.26	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-12	18496-25-8	187	Sulfide	10	ug/L	U	SM18 4500-S D	10	1000	1	1/19/2011	1/21/2011	1/21/2011	591
33-01	3301-MW-12	630-20-6	190	1,1,1,2-Tetrachloroethane	0.40	ug/L	U	8260B	0.40	5	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-12	79-34-5	191	1,1,2,2-Tetrachloroethane	0.33	ug/L	U	8260B	0.33	3	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-12	127-18-4	192	Tetrachloroethene	0.36	ug/L	U	8260B	0.36	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-12	7440-28-0	194	Thallium Dissolved	0.155	ug/L	J	6020A	0.110	5.5	1	1/19/2011	2/8/2011	2/10/2011	591
33-01	3301-MW-12	7440-28-0	194	Thallium Total	0.139	ug/L	J	6020A	0.110	5.5	1	1/19/2011	1/25/2011	1/28/2011	591
33-01	3301-MW-12	108-88-3	196	Toluene	0.27	ug/L	U	8260B	0.27	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-12	71-55-6	200	1,1,1-Trichloroethane	0.27	ug/L	U	8260B	0.27	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-12	79-01-6	201	Trichloroethene	0.38	ug/L	U	8260B	0.38	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-12	79-00-5	202	1,1,2-Trichloroethane	0.37	ug/L	U	8260B	0.37	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-12	75-69-4	203	Trichlorofluoromethane	0.28	ug/L	U	8260B	0.28	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-12	96-18-4	206	1,2,3-Trichloropropane	0.55	ug/L	U	8260B	0.55	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-12	7440-62-2	209	Vanadium Total	1.40	ug/L	U	6010C	1.40	25	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-12	7440-62-2	209	Vanadium Dissolved	1.40	ug/L	U	6010C	1.40	25	1	1/19/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-12	108-05-4	210	Vinyl acetate	0.98	ug/L	U	8260B	0.98	50	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-12	75-01-4	211	Vinyl chloride	0.30	ug/L	U	8260B	0.30	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-12	7440-66-6	213	Zinc Total	149	ug/L		6010C	3.80	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-12	7440-66-6	213	Zinc Dissolved	132	ug/L		6010C	3.80	10	1	1/19/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-12	7440-41-7	23	Beryllium Dissolved	0.373	ug/L	J	6010C	0.100	1	1	1/19/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-12	7440-41-7	23	Beryllium Total	0.420	ug/L	J	6010C	0.100	1	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-12	74-97-5	28	Bromochloromethane	0.42	ug/L	U	8260B	0.42	3	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-12	75-27-4	29	Bromodichloromethane	0.37	ug/L	U	8260B	0.37	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-12	67-64-1	3	Acetone	1.5	ug/L	U	8260B	1.5	100	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-12	75-25-2	30	Bromoform	0.71	ug/L	U	8260B	0.71	3	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-12	SW301	301	Chloride	180000	ug/L	D	300.0	72	NE	4	1/19/2011	1/26/2011	1/26/2011	591
33-01	3301-MW-12	SW303	303	Nitrate as N	25	ug/L	U	353.2	25	10000	1	1/19/2011	2/2/2011	2/3/2011	591
33-01	3301-MW-12	SW311	311	Total Dissolved Solids	410000	ug/L		SM 2540C	10000	NE	1	1/19/2011	1/21/2011	1/21/2011	591
33-01	3301-MW-12	14808-79-8	315	Sulfate as SO4	64000	ug/L	J	300.0	120	250000	1	1/19/2011	1/26/2011	1/26/2011	591
33-01	3301-MW-12	SW316	316	Biochemical Oxygen Demand	2000	ug/L	U	SM 5210B	2000	NE	1	1/19/2011	1/20/2011	1/20/2011	591
33-01	3301-MW-12	SW317	317	Chemical Oxygen Demand	40000	ug/L		SM 5220D	2800	NE	1	1/19/2011	1/25/2011	1/25/2011	591
33-01	3301-MW-12	SW337	337	Total Alkalinity as CaCO3	10000	ug/L	J	310.2	8000	NE	1	1/19/2011	1/26/2011	1/26/2011	591
33-01	3301-MW-12	7440-43-9	34	Cadmium Dissolved	0.360	ug/L	U	6010C	0.360	1	1	1/19/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-12	7440-43-9	34	Cadmium Total	0.360	ug/L	U	6010C	0.360	1	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-12	7439-89-6	340	Iron Total	9470	ug/L		6010C	22.0	300	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-12	7439-96-5	342	Manganese Total	121	ug/L		6010C	1.10	50	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-12	1330-20-7	346	Xylenes (Total)	0.40	ug/L	U	8260B	0.40	5	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-12	75-15-0	35	Carbon disulfide	0.54	ug/L	U	8260B	0.54	100	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-12	56-23-5	36	Carbon tetrachloride	0.38	ug/L	U	8260B	0.38	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-12	108-90-7	39	Chlorobenzene	4.1	ug/L		8260B	0.27	3	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-12	75-00-3	41	Chloroethane	0.93	ug/L	J	8260B	0.30	10	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-12	67-66-3	44	Chloroform	0.20	ug/L	U	8260B	0.20	5	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-12	7440-47-3	51	Chromium Dissolved	1.00	ug/L	U	6010C	1.00	10	1	1/19/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-12	7440-47-3	51	Chromium Total	1.00	ug/L	U	6010C	1.00	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-12	7440-48-4	53	Cobalt Dissolved	12.6	ug/L		6010C	1.10	10	1	1/19/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-12	7440-48-4	53	Cobalt Total	13.5	ug/L		6010C	1.10	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-12	7440-50-8	54	Copper Dissolved	1.60	ug/L	U	6010C	1.60	10	1	1/19/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-12	7440-50-8	54	Copper Total	3.53	ug/L	J	6010C	1.60	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-12	124-48-1	66	Dibromochloromethane	0.32	ug/L	U	8260B	0.32	3	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-12	96-12-8	67	1,2-Dibromo-3-chloropropane	0.48	ug/L	U	8260B	0.48	13	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-12	106-93-4	68	1,2-Dibromoethane	0.42	ug/L	U	8260B	0.42	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-12	95-50-1	69	1,2-Dichlorobenzene	0.27	ug/L	U	8260B	0.27	5	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-12	106-46-7	71	1,4-Dichlorobenzene	5.8	ug/L		8260B	0.38	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-12	110-57-6	73	trans-1,4-Dichloro-2-butene	0.54	ug/L	U	8260B	0.54	100	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-12	75-34-3	75	1,1-Dichloroethane	1.2	ug/L	J	8260B	0.33	5	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-12	107-06-2	76	1,2-Dichloroethane	0.65	ug/L	U	8260B	0.65	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-12	75-35-4	77	1,1-Dichloroethene	0.24	ug/L	U	8260B	0.24	5	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-12	156-59-2	78	cis-1,2-Dichloroethene	1.1	ug/L	J	8260B	0.36	5	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-12	156-60-5	79	trans-1,2-Dichloroethene	0.34	ug/L	U	8260B	0.34	5	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-12	107-13-1	8	Acrylonitrile	2.1	ug/L	U	8260B	2.1	200	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-12	78-87-5	82	1,2-Dichloropropane	0.20	ug/L	U	8260B	0.20	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-12	10061-01-5	86	cis-1,3-Dichloropropene	0.28	ug/L	U	8260B	0.28	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-12	10061-02-6	87	trans-1,3-Dichloropropene	0.38	ug/L	U	8260B	0.38	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-12			Hydrogen	0.69	nM		AM20GAX	0.600			1/19/2011		2/2/2011	
33-01	3301-MW-13		318	Depth To Water	6.36	ft						1/18/2011			
33-01	3301-MW-13		411	Total Well Depth	23.00	ft						1/18/2011			
33-01	3301-MW-13		328	TOC Elevation	54.99	ft AMSL						1/18/2011			
33-01	3301-MW-13		319	Groundwater Elevation	48.63	ft AMSL						1/18/2011			
33-01	3301-MW-13		320	pH	5.34	standard units						1/19/2011			
33-01	3301-MW-13		323	Specific Conductivity	0.966	mS/cm						1/19/2011			
33-01	3301-MW-13		325	Temperature	15.03	ºC						1/19/2011			
33-01	3301-MW-13		330	Turbidity	17.9	NTUs						1/19/2011			
33-01	3301-MW-13			Pentanoic Acid	270	ug/L	U	VGC-13	270		1	1/19/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-13			iso-Hexanoic Acid	210	ug/L	U	VGC-13	210		1	1/19/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-13			Hexanoic Acid	230	ug/L	U	VGC-13	230		1	1/19/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-13			HIBA (2-Hydroxyisobutyric Acid)	160	ug/L	U	VGC-13	160		1	1/19/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-13			iso-Pentanoic Acid	260	ug/L	U	VGC-13	260		1	1/19/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-13	74-84-0	331	Ethane	1.50	ug/L	U	RSK-175	1.50	NE	1	1/19/2011	1/26/2011	1/26/2011	442
33-01	3301-MW-13	87701-65-3	332	Ethene	1.60	ug/L	U	RSK-175	1.60	NE	1	1/19/2011	1/26/2011	1/26/2011	442
33-01	3301-MW-13	74-82-8	333	Methane	34.9	ug/L		RSK-175	0.490	NE	1	1/19/2011	1/26/2011	1/26/2011	442
33-01	3301-MW-13	E-10195	357	Total Organic Carbon	7400	ug/L		SM18 5310B	280	NE	1	1/19/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-13	124-38-9	413	Carbon dioxide	498000	ug/L	D	RSK-175	20000	NE	10	1/19/2011	1/26/2011	1/26/2011	442
33-01	3301-MW-13	127-17-3	414	Pyruvic Acid	140	ug/L	U	VGC-13	140	NE	1	1/19/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-13	50-21-5	415	Lactic Acid	440	ug/L	U	VGC-13	440	NE	1	1/19/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-13	64-19-7	416	Acetic Acid	4300	ug/L		VGC-13	83	NE	1	1/19/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-13	79-09-4	417	Propionic Acid	180	ug/L	U	VGC-13	180	NE	1	1/19/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-13	107-92-6	418	Butyric Acid	160	ug/L	U	VGC-13	160	NE	1	1/19/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-13	100-41-4	110	Ethylbenzene	0.20	ug/L	U	8260B	0.20	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-13	591-78-6	124	2-Hexanone	0.69	ug/L	U	8260B	0.69	50	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-13	7440-36-0	13	Antimony Total	0.220	ug/L	U	6020A	0.220	6	1	1/19/2011	1/25/2011	1/28/2011	591
33-01	3301-MW-13	7440-36-0	13	Antimony Dissolved	0.220	ug/L	U	6020A	0.220	6	1	1/19/2011	2/8/2011	2/10/2011	591
33-01	3301-MW-13	7439-92-1	131	Lead Total	3.87	ug/L	J	6010C	1.90	10	1	1/19/2011	1/24/2011	1/31/2011	591

33-01	3301-MW-13	7439-92-1	131	Lead Dissolved	3.36	ug/L	J	6010C	1.90	10	1	1/19/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-13	7439-97-6	132	Mercury Total	0.170	ug/L	U	7470A	0.170	0.2	1	1/19/2011	1/21/2011	1/21/2011	591
33-01	3301-MW-13	74-83-9	136	Bromomethane	0.49	ug/L	U	8260B	0.49	10	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-13	74-87-3	137	Chloromethane	0.34	ug/L	U	8260B	0.34	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-13	74-95-3	139	Dibromomethane	0.37	ug/L	U	8260B	0.37	10	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-13	7440-38-2	14	Arsenic Dissolved	2.80	ug/L	U	6010C	2.80	10	1	1/19/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-13	7440-38-2	14	Arsenic Total	2.80	ug/L	U	6010C	2.80	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-13	75-09-2	140	Methylene chloride	0.53	ug/L	U	8260B	0.53	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-13	78-93-3	141	2-Butanone	1.0	ug/L	U	8260B	1.0	100	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-13	74-88-4	142	Iodomethane	0.52	ug/L	U	8260B	0.52	10	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-13	108-10-1	147	4-Methyl-2-pentanone	1.1	ug/L	U	8260B	1.1	100	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-13	7440-39-3	15	Barium Dissolved	189	ug/L		6010C	1.00	100	1	1/19/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-13	7440-39-3	15	Barium Total	217	ug/L		6010C	1.00	100	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-13	7440-02-0	152	Nickel Dissolved	289	ug/L		6010C	1.80	50	1	1/19/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-13	7440-02-0	152	Nickel Total	306	ug/L		6010C	1.80	50	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-13	71-43-2	16	Benzene	0.20	ug/L	U	8260B	0.20	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-13	7782-49-2	183	Selenium Total	6.24	ug/L	J	6020A	0.830	10	1	1/19/2011	1/25/2011	1/28/2011	591
33-01	3301-MW-13	7782-49-2	183	Selenium Dissolved	7.64	ug/L	J	6020A	0.830	10	1	1/19/2011	2/8/2011	2/10/2011	591
33-01	3301-MW-13	7440-22-4	184	Silver Dissolved	8.15	ug/L	J	6010C	1.90	10	1	1/19/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-13	7440-22-4	184	Silver Total	8.87	ug/L	J	6010C	1.90	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-13	100-42-5	186	Styrene	0.26	ug/L	U	8260B	0.26	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-13	18496-25-8	187	Sulfide	10	ug/L	U	SM18 4500-S D	10	1000	1	1/19/2011	1/21/2011	1/21/2011	591
33-01	3301-MW-13	630-20-6	190	1,1,1,2-Tetrachloroethane	0.40	ug/L	U	8260B	0.40	5	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-13	79-34-5	191	1,1,2,2-Tetrachloroethane	0.33	ug/L	U	8260B	0.33	3	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-13	127-18-4	192	Tetrachloroethene	0.36	ug/L	U	8260B	0.36	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-13	7440-28-0	194	Thallium Dissolved	0.718	ug/L	J	6020A	0.110	5.5	1	1/19/2011	2/8/2011	2/10/2011	591
33-01	3301-MW-13	7440-28-0	194	Thallium Total	0.748	ug/L	J	6020A	0.110	5.5	1	1/19/2011	1/25/2011	1/28/2011	591
33-01	3301-MW-13	108-88-3	196	Toluene	0.27	ug/L	U	8260B	0.27	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-13	71-55-6	200	1,1,1-Trichloroethane	0.27	ug/L	U	8260B	0.27	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-13	79-01-6	201	Trichloroethene	0.59	ug/L	J	8260B	0.38	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-13	79-00-5	202	1,1,2-Trichloroethane	0.37	ug/L	U	8260B	0.37	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-13	75-69-4	203	Trichlorofluoromethane	0.28	ug/L	U	8260B	0.28	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-13	96-18-4	206	1,2,3-Trichloropropane	0.55	ug/L	U	8260B	0.55	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-13	7440-62-2	209	Vanadium Dissolved	1.40	ug/L	U	6010C	1.40	25	1	1/19/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-13	7440-62-2	209	Vanadium Total	1.40	ug/L	U	6010C	1.40	25	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-13	108-05-4	210	Vinyl acetate	0.98	ug/L	U	8260B	0.98	50	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-13	75-01-4	211	Vinyl chloride	1.0	ug/L		8260B	0.30	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-13	7440-66-6	213	Zinc Total	153	ug/L		6010C	3.80	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-13	7440-66-6	213	Zinc Dissolved	144	ug/L		6010C	3.80	10	1	1/19/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-13	7440-41-7	23	Beryllium Dissolved	0.100	ug/L	U	6010C	0.100	1	1	1/19/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-13	7440-41-7	23	Beryllium Total	0.100	ug/L	U	6010C	0.100	1	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-13	74-97-5	28	Bromochloromethane	0.42	ug/L	U	8260B	0.42	3	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-13	75-27-4	29	Bromodichloromethane	0.37	ug/L	U	8260B	0.37	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-13	67-64-1	3	Acetone	1.5	ug/L	U	8260B	1.5	100	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-13	75-25-2	30	Bromoform	0.71	ug/L	U	8260B	0.71	3	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-13	SW301	301	Chloride	110000	ug/L	D	300.0	36	NE	2	1/19/2011	1/26/2011	1/26/2011	591
33-01	3301-MW-13	SW303	303	Nitrate as N	25	ug/L	U	353.2	25	10000	1	1/19/2011	2/2/2011	2/3/2011	591
33-01	3301-MW-13	SW311	311	Total Dissolved Solids	490000	ug/L		SM 2540C	10000	NE	1	1/19/2011	1/21/2011	1/21/2011	591
33-01	3301-MW-13	14808-79-8	315	Sulfate as SO4	38000	ug/L	J	300.0	120	250000	1	1/19/2011	1/26/2011	1/26/2011	591
33-01	3301-MW-13	SW316	316	Biochemical Oxygen Demand	2000	ug/L	U	SM 5210B	2000	NE	1	1/19/2011	1/20/2011	1/20/2011	591
33-01	3301-MW-13	SW317	317	Chemical Oxygen Demand	100000	ug/L		SM 5220D	2800	NE	1	1/19/2011	1/25/2011	1/25/2011	591
33-01	3301-MW-13	SW337	337	Total Alkalinity as CaCO3	240000	ug/L	D	310.2	40000	NE	5	1/19/2011	1/26/2011	1/26/2011	591
33-01	3301-MW-13	7440-43-9	34	Cadmium Total	0.360	ug/L	U	6010C	0.360	1	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-13	7440-43-9	34	Cadmium Dissolved	0.360	ug/L	U	6010C	0.360	1	1	1/19/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-13	7439-89-6	340	Iron Total	28100	ug/L		6010C	22.0	300	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-13	7439-96-5	342	Manganese Total	42600	ug/L	D	6010C	11.0	50	10	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-13	1330-20-7	346	Xylenes (Total)	0.40	ug/L	U	8260B	0.40	5	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-13	75-15-0	35	Carbon disulfide	0.54	ug/L	U	8260B	0.54	100	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-13	56-23-5	36	Carbon tetrachloride	0.38	ug/L	U	8260B	0.38	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-13	108-90-7	39	Chlorobenzene	8.7	ug/L		8260B	0.27	3	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-13	75-00-3	41	Chloroethane	0.30	ug/L	U	8260B	0.30	10	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-13	67-66-3	44	Chloroform	0.20	ug/L	U	8260B	0.20	5	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-13	7440-47-3	51	Chromium Dissolved	1.00	ug/L	U	6010C	1.00	10	1	1/19/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-13	7440-47-3	51	Chromium Total	1.00	ug/L	U	6010C	1.00	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-13	7440-48-4	53	Cobalt Dissolved	1340	ug/L		6010C	1.10	10	1	1/19/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-13	7440-48-4	53	Cobalt Total	1400	ug/L		6010C	1.10	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-13	7440-50-8	54	Copper Total	2.28	ug/L	J	6010C	1.60	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-13	7440-50-8	54	Copper Dissolved	1.60	ug/L	U	6010C	1.60	10	1	1/19/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-13	124-48-1	66	Dibromochloromethane	0.32	ug/L	U	8260B	0.32	3	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-13	96-12-8	67	1,2-Dibromo-3-chloropropane	0.48	ug/L	U	8260B	0.48	13	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-13	106-93-4	68	1,2-Dibromoethane	0.42	ug/L	U	8260B	0.42	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-13	95-50-1	69	1,2-Dichlorobenzene	0.27	ug/L	U	8260B	0.27	5	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-13	106-46-7	71	1,4-Dichlorobenzene	2.3	ug/L		8260B	0.38	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-13	110-57-6	73	trans-1,4-Dichloro-2-butene	0.54	ug/L	U	8260B	0.54	100	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-13	75-34-3	75	1,1-Dichloroethane	0.51	ug/L	J	8260B	0.33	5	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-13	107-06-2	76	1,2-Dichloroethane	0.65	ug/L	U	8260B	0.65	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-13	75-35-4	77	1,1-Dichloroethene	0.24	ug/L	U	8260B	0.24	5	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-13	156-59-2	78	cis-1,2-Dichloroethene	18	ug/L		8260B	0.36	5	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-13	156-60-5	79	trans-1,2-Dichloroethene	0.34	ug/L	U	8260B	0.34	5	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-13	107-13-1	8	Acrylonitrile	2.1	ug/L	U	8260B	2.1	200	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-13	78-87-5	82	1,2-Dichloropropane	0.20	ug/L	U	8260B	0.20	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-13	10061-01-5	86	cis-1,3-Dichloropropene	0.28	ug/L	U	8260B	0.28	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-13	10061-02-6	87	trans-1,3-Dichloropropene	0.38	ug/L	U	8260B	0.38	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-13			Hydrogen	2.30	nM		AM20GAX	0.600			1/19/2011		2/2/2011	
33-01	3301-Duplicate	100-41-4	110	Ethylbenzene	0.20	ug/L	U	8260B	0.20	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-Duplicate	591-78-6	124	2-Hexanone	0.69	ug/L	U	8260B	0.69	50	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-Duplicate	7440-36-0	13	Antimony Total	0.220	ug/L	U	6020A	0.220	6	1	1/19/2011	1/25/2011	1/28/2011	591
33-01	3301-Duplicate	7439-92-1	131	Lead Total	4.13	ug/L	J	6010C	1.90	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-Duplicate	74-83-9	136	Bromomethane	0.49	ug/L	U	8260B	0.49	10	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-Duplicate	74-87-3	137	Chloromethane	0.34	ug/L	U	8260B	0.34	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-Duplicate	74-95-3	139	Dibromomethane	0.37	ug/L	U	8260B	0.37	10	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-Duplicate	7440-38-2	14	Arsenic Total	2.80	ug/L	U	6010C	2.80	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-Duplicate	75-09-2	140	Methylene chloride	0.53	ug/L	U	8260B	0.53	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-Duplicate	78-93-3	141	2-Butanone	1.0	ug/L	U	8260B	1.0	100	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-Duplicate	74-88-4	142	Iodomethane	0.52	ug/L	U	8260B	0.52	10	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-Duplicate	108-10-1	147	4-Methyl-2-pentanone	1.1	ug/L	U	8260B	1.1	100	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-Duplicate	7440-39-3	15	Barium Total	216	ug/L		6010C	1.00	100	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-Duplicate	7440-02-0	152	Nickel Total	308	ug/L		6010C	1.80	50	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-Duplicate	71-43-2	16	Benzene	0.20	ug/L	U	8260B	0.20	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-Duplicate	7782-49-2	183	Selenium Total	6.75	ug/L	J	6020A	0.830	10	1	1/19/2011	1/25/2011	1/28/2011	591
33-01	3301-Duplicate	7440-22-4	184	Silver Total	8.57	ug/L	J	6010C	1.90	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-Duplicate	100-42-5	186	Styrene	0.26	ug/L	U	8260B	0.26	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-Duplicate	630-20-6	190	1,1,1,2-Tetrachloroethane	0.40	ug/L	U	8260B	0.40	5	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-Duplicate	79-34-5	191	1,1,2,2-Tetrachloroethane	0.33	ug/L	U	8260B	0.33	3	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-Duplicate	127-18-4	192	Tetrachloroethene	0.36	ug/L	U	8260B	0.36	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-Duplicate	7440-28-0	194	Thallium Total	0.754	ug/L	J	6020A	0.110	5.5	1	1/19/2011	1/25/2011	1/28/2011	591
33-01	3301-Duplicate	108-88-3	196	Toluene	0.27	ug/L	U	8260B	0.27	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-Duplicate	71-55-6	200	1,1,1-Trichloroethane	0.27	ug/L	U	8260B	0.27	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-Duplicate	79-01-6	201	Trichloroethene	0.57	ug/L	J	8260B	0.38	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-Duplicate	79-00-5	202	1,1,2-Trichloroethane	0.37	ug/L	U	8260B	0.37	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-Duplicate	75-69-4	203	Trichlorofluoromethane	0.28	ug/L	U	8260B	0.28	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-Duplicate	96-18-4	206	1,2,3-Trichloropropane	0.55	ug/L	U	8260B	0.55	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-Duplicate	7440-62-2	209	Vanadium Total	1.40	ug/L	U	6010C	1.40	25	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-Duplicate	108-05-4	210	Vinyl acetate	0.98	ug/L	U	8260B	0.98	50	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-Duplicate	75-01-4	211	Vinyl chloride	0.94	ug/L	J	8260B	0.30	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-Duplicate	7440-66-6	213	Zinc Total	158	ug/L		6010C	3.80	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-Duplicate	7440-41-7	23	Beryllium Total	0.100	ug/L	U	6010C	0.100	1	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-Duplicate	74-97-5	28	Bromochloromethane	0.42	ug/L	U	8260B	0.42	3	1	1/19/2011	1/27/2011	1/28/2011	591

33-01	3301-Duplicate	75-27-4	29	Bromodichloromethane	0.37	ug/L	U	8260B	0.37	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-Duplicate	67-64-1	3	Acetone	1.5	ug/L	U	8260B	1.5	100	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-Duplicate	75-25-2	30	Bromoform	0.71	ug/L	U	8260B	0.71	3	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-Duplicate	7440-43-9	34	Cadmium Total	0.360	ug/L	U	6010C	0.360	1	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-Duplicate	1330-20-7	346	Xylenes (Total)	0.40	ug/L	U	8260B	0.40	5	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-Duplicate	75-15-0	35	Carbon disulfide	0.54	ug/L	U	8260B	0.54	100	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-Duplicate	56-23-5	36	Carbon tetrachloride	0.38	ug/L	U	8260B	0.38	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-Duplicate	108-90-7	39	Chlorobenzene	8.9	ug/L		8260B	0.27	3	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-Duplicate	75-00-3	41	Chloroethane	0.43	ug/L	J	8260B	0.30	10	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-Duplicate	67-66-3	44	Chloroform	0.20	ug/L	U	8260B	0.20	5	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-Duplicate	7440-47-3	51	Chromium Total	1.00	ug/L	U	6010C	1.00	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-Duplicate	7440-48-4	53	Cobalt Total	1410	ug/L		6010C	1.10	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-Duplicate	7440-50-8	54	Copper Total	2.32	ug/L	J	6010C	1.60	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-Duplicate	124-48-1	66	Dibromochloromethane	0.32	ug/L	U	8260B	0.32	3	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-Duplicate	96-12-8	67	1,2-Dibromo-3-chloropropane	0.48	ug/L	U	8260B	0.48	13	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-Duplicate	106-93-4	68	1,2-Dibromoethane	0.42	ug/L	U	8260B	0.42	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-Duplicate	95-50-1	69	1,2-Dichlorobenzene	0.27	ug/L	U	8260B	0.27	5	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-Duplicate	106-46-7	71	1,4-Dichlorobenzene	2.2	ug/L		8260B	0.38	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-Duplicate	110-57-6	73	trans-1,4-Dichloro-2-butene	0.54	ug/L	U	8260B	0.54	100	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-Duplicate	75-34-3	75	1,1-Dichloroethane	0.56	ug/L	J	8260B	0.33	5	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-Duplicate	107-06-2	76	1,2-Dichloroethane	0.65	ug/L	U	8260B	0.65	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-Duplicate	75-35-4	77	1,1-Dichloroethene	0.24	ug/L	U	8260B	0.24	5	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-Duplicate	156-59-2	78	cis-1,2-Dichloroethene	19	ug/L		8260B	0.36	5	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-Duplicate	156-60-5	79	trans-1,2-Dichloroethene	0.34	ug/L	U	8260B	0.34	5	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-Duplicate	107-13-1	8	Acrylonitrile	2.1	ug/L	U	8260B	2.1	200	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-Duplicate	78-87-5	82	1,2-Dichloropropane	0.20	ug/L	U	8260B	0.20	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-Duplicate	10061-01-5	86	cis-1,3-Dichloropropene	0.28	ug/L	U	8260B	0.28	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-Duplicate	10061-02-6	87	trans-1,3-Dichloropropene	0.38	ug/L	U	8260B	0.38	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-14		318	Depth To Water	3.78	ft						1/18/2011			
33-01	3301-MW-14		411	Total Well Depth	14.63	ft						1/18/2011			
33-01	3301-MW-14		328	TOC Elevation	43.88	ft AMSL						1/18/2011			
33-01	3301-MW-14		319	Groundwater Elevation	40.10	ft AMSL						1/18/2011			
33-01	3301-MW-14		320	pH	6.12	standard units						1/18/2011			
33-01	3301-MW-14		323	Specific Conductivity	0.437	mS/cm						1/18/2011			
33-01	3301-MW-14		325	Temperature	10.14	ºC						1/18/2011			
33-01	3301-MW-14		330	Turbidity	8.7	NTUs						1/18/2011			
33-01	3301-MW-14			Hexanoic Acid	230	ug/L	U	VGC-13	230		1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW-14			Pentanoic Acid	270	ug/L	U	VGC-13	270		1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW-14			iso-Pentanoic Acid	260	ug/L	U	VGC-13	260		1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW-14			HIBA (2-Hydroxyisobutyric Acid)	160	ug/L	U	VGC-13	160		1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW-14			iso-Hexanoic Acid	210	ug/L	U	VGC-13	210		1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW-14	74-84-0	331	Ethane	1.50	ug/L	U	RSK-175	1.50	NE	1	1/18/2011	1/21/2011	1/21/2011	442
33-01	3301-MW-14	87701-65-3	332	Ethene	1.60	ug/L	U	RSK-175	1.60	NE	1	1/18/2011	1/21/2011	1/21/2011	442
33-01	3301-MW-14	74-82-8	333	Methane	64.3	ug/L		RSK-175	0.490	NE	1	1/18/2011	1/21/2011	1/21/2011	442
33-01	3301-MW-14	E-10195	357	Total Organic Carbon	3700	ug/L		SM18 5310B	280	NE	1	1/18/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-14	124-38-9	413	Carbon dioxide	105000	ug/L		RSK-175	2000	NE	1	1/18/2011	1/21/2011	1/21/2011	442
33-01	3301-MW-14	127-17-3	414	Pyruvic Acid	140	ug/L	U	VGC-13	140	NE	1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW-14	50-21-5	415	Lactic Acid	440	ug/L	U	VGC-13	440	NE	1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW-14	64-19-7	416	Acetic Acid	83	ug/L	U	VGC-13	83	NE	1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW-14	79-09-4	417	Propionic Acid	180	ug/L	U	VGC-13	180	NE	1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW-14	107-92-6	418	Butyric Acid	160	ug/L	U	VGC-13	160	NE	1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW-14	100-41-4	110	Ethylbenzene	0.20	ug/L	U	8260B	0.20	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW-14	591-78-6	124	2-Hexanone	0.69	ug/L	U	8260B	0.69	50	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW-14	7440-36-0	13	Antimony Total	0.220	ug/L	U	6020A	0.220	6	1	1/18/2011	1/20/2011	1/25/2011	591
33-01	3301-MW-14	7439-92-1	131	Lead Total	1.90	ug/L	U	6010C	1.90	10	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-14	7439-97-6	132	Mercury Total	0.170	ug/L	U	7470A	0.170	0.2	1	1/18/2011	1/21/2011	1/21/2011	591
33-01	3301-MW-14	74-83-9	136	Bromomethane	0.49	ug/L	U	8260B	0.49	10	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW-14	74-87-3	137	Chloromethane	0.34	ug/L	U	8260B	0.34	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW-14	74-95-3	139	Dibromomethane	0.37	ug/L	U	8260B	0.37	10	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW-14	7440-38-2	14	Arsenic Total	2.80	ug/L	U	6010C	2.80	10	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-14	75-09-2	140	Methylene chloride	0.53	ug/L	U	8260B	0.53	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW-14	78-93-3	141	2-Butanone	1.0	ug/L	U	8260B	1.0	100	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW-14	74-88-4	142	Iodomethane	0.52	ug/L	U	8260B	0.52	10	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW-14	108-10-1	147	4-Methyl-2-pentanone	1.1	ug/L	U	8260B	1.1	100	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW-14	7440-39-3	15	Barium Total	245	ug/L		6010C	1.00	100	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-14	7440-02-0	152	Nickel Total	1.80	ug/L	U	6010C	1.80	50	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-14	71-43-2	16	Benzene	0.20	ug/L	U	8260B	0.20	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW-14	7782-49-2	183	Selenium Total	0.830	ug/L	U	6020A	0.830	10	1	1/18/2011	1/20/2011	1/25/2011	591
33-01	3301-MW-14	7440-22-4	184	Silver Total	1.90	ug/L	U	6010C	1.90	10	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-14	100-42-5	186	Styrene	0.26	ug/L	U	8260B	0.26	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW-14	18496-25-8	187	Sulfide	83	ug/L	J	SM18 4500-S D	10	1000	1	1/18/2011	1/21/2011	1/21/2011	591
33-01	3301-MW-14	630-20-6	190	1,1,1,2-Tetrachloroethane	0.40	ug/L	U	8260B	0.40	5	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW-14	79-34-5	191	1,1,2,2-Tetrachloroethane	0.33	ug/L	U	8260B	0.33	3	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW-14	127-18-4	192	Tetrachloroethene	0.36	ug/L	U	8260B	0.36	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW-14	7440-28-0	194	Thallium Total	0.110	ug/L	U	6020A	0.110	5.5	1	1/18/2011	1/20/2011	1/25/2011	591
33-01	3301-MW-14	108-88-3	196	Toluene	0.27	ug/L	U	8260B	0.27	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW-14	71-55-6	200	1,1,1-Trichloroethane	0.27	ug/L	U	8260B	0.27	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW-14	79-01-6	201	Trichloroethene	0.38	ug/L	U	8260B	0.38	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW-14	79-00-5	202	1,1,2-Trichloroethane	0.37	ug/L	U	8260B	0.37	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW-14	75-69-4	203	Trichlorofluoromethane	0.28	ug/L	U	8260B	0.28	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW-14	96-18-4	206	1,2,3-Trichloropropane	0.55	ug/L	U	8260B	0.55	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW-14	7440-62-2	209	Vanadium Total	1.40	ug/L	U	6010C	1.40	25	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-14	108-05-4	210	Vinyl acetate	0.98	ug/L	U	8260B	0.98	50	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW-14	75-01-4	211	Vinyl chloride	0.30	ug/L	U	8260B	0.30	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW-14	7440-66-6	213	Zinc Total	3.80	ug/L	U	6010C	3.80	10	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-14	7440-41-7	23	Beryllium Total	0.100	ug/L	U	6010C	0.100	1	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-14	74-97-5	28	Bromochloromethane	0.42	ug/L	U	8260B	0.42	3	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW-14	75-27-4	29	Bromodichloromethane	0.37	ug/L	U	8260B	0.37	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW-14	67-64-1	3	Acetone	1.5	ug/L	U	8260B	1.5	100	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW-14	75-25-2	30	Bromoform	0.71	ug/L	U	8260B	0.71	3	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW-14	SW301	301	Chloride	18000	ug/L		300.0	18	NE	1	1/18/2011	1/21/2011	1/21/2011	591
33-01	3301-MW-14	SW303	303	Nitrate as N	70	ug/L	J	353.2	25	10000	1	1/18/2011	2/2/2011	2/2/2011	591
33-01	3301-MW-14	SW311	311	Total Dissolved Solids	220000	ug/L		SM 2540C	10000	NE	1	1/18/2011	1/21/2011	1/21/2011	591
33-01	3301-MW-14	14808-79-8	315	Sulfate as SO4	52000	ug/L	J	300.0	120	250000	1	1/18/2011	1/21/2011	1/21/2011	591
33-01	3301-MW-14	SW316	316	Biochemical Oxygen Demand	2300	ug/L		SM 5210B	2000	NE	1	1/18/2011	1/19/2011	1/19/2011	591
33-01	3301-MW-14	SW317	317	Chemical Oxygen Demand	16000	ug/L		SM 5220D	2800	NE	1	1/18/2011	1/25/2011	1/25/2011	591
33-01	3301-MW-14	SW337	337	Total Alkalinity as CaCO3	140000	ug/L		310.2	8000	NE	1	1/18/2011	1/26/2011	1/26/2011	591
33-01	3301-MW-14	7440-43-9	34	Cadmium Total	0.360	ug/L	U	6010C	0.360	1	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-14	7439-89-6	340	Iron Total	5810	ug/L		6010C	22.0	300	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-14	7439-96-5	342	Manganese Total	184	ug/L		6010C	1.10	50	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-14	1330-20-7	346	Xylenes (Total)	0.40	ug/L	U	8260B	0.40	5	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW-14	75-15-0	35	Carbon disulfide	0.54	ug/L	U	8260B	0.54	100	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW-14	56-23-5	36	Carbon tetrachloride	0.38	ug/L	U	8260B	0.38	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW-14	108-90-7	39	Chlorobenzene	0.27	ug/L	U	8260B	0.27	3	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW-14	75-00-3	41	Chloroethane	0.30	ug/L	U	8260B	0.30	10	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW-14	67-66-3	44	Chloroform	0.20	ug/L	U	8260B	0.20	5	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW-14	7440-47-3	51	Chromium Total	1.00	ug/L	U	6010C	1.00	10	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-14	7440-48-4	53	Cobalt Total	1.10	ug/L	U	6010C	1.10	10	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-14	7440-50-8	54	Copper Total	1.60	ug/L	U	6010C	1.60	10	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW-14	124-48-1	66	Dibromochloromethane	0.32	ug/L	U	8260B	0.32	3	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW-14	96-12-8	67	1,2-Dibromo-3-chloropropane	0.48	ug/L	U	8260B	0.48	13	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW-14	106-93-4	68	1,2-Dibromoethane	0.42	ug/L	U	8260B	0.42	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW-14	95-50-1	69	1,2-Dichlorobenzene	0.27	ug/L	U	8260B	0.27	5	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW-14	106-46-7	71	1,4-Dichlorobenzene	0.38	ug/L	U	8260B	0.38	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW-14	110-57-6	73	trans-1,4-Dichloro-2-butene	0.54	ug/L	U	8260B	0.54	100	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW-14	75-34-3	75	1,1-Dichloroethane	0.33	ug/L	U	8260B	0.33	5	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW-14	107-06-2	76	1,2-Dichloroethane	0.65	ug/L	U	8260B	0.65	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW-14	75-35-4	77	1,1-Dichloroethene	0.24	ug/L	U	8260B	0.24	5	1	1/18/2011	1/21/2011	1/22/2011	591

33-01	3301-MW-14	156-59-2	78	cis-1,2-Dichloroethene	0.36	ug/L	U	8260B	0.36	5	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW-14	156-60-5	79	trans-1,2-Dichloroethene	0.34	ug/L	U	8260B	0.34	5	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW-14	107-13-1	8	Acrylonitrile	2.1	ug/L	U	8260B	2.1	200	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW-14	78-87-5	82	1,2-Dichloropropane	0.20	ug/L	U	8260B	0.20	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW-14	10061-01-5	86	cis-1,3-Dichloropropene	0.28	ug/L	U	8260B	0.28	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW-14	10061-02-6	87	trans-1,3-Dichloropropene	0.38	ug/L	U	8260B	0.38	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW-14			Hydrogen	0.67	nM		AM20GAX	0.600			1/18//11		2/1/2011	
33-01	3301-MW-15		318	Depth To Water	5.03	ft						1/18/2011			
33-01	3301-MW-15		411	Total Well Depth	14.27	ft						1/18/2011			
33-01	3301-MW-15		328	TOC Elevation	44.87	ft AMSL						1/18/2011			
33-01	3301-MW-15		319	Groundwater Elevation	39.84	ft AMSL						1/18/2011			
33-01	3301-MW-15		320	pH	6.12	standard units						1/19/2011			
33-01	3301-MW-15		323	Specific Conductivity	0.819	mS/cm						1/19/2011			
33-01	3301-MW-15		325	Temperature	11.16	ºC						1/19/2011			
33-01	3301-MW-15		330	Turbidity	30.1	NTUs						1/19/2011			
33-01	3301-MW-15			Hexanoic Acid	230	ug/L	U	VGC-13	230		1	1/19/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-15			HIBA (2-Hydroxyisobutyric Acid)	160	ug/L	U	VGC-13	160		1	1/19/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-15			Pentanoic Acid	270	ug/L	U	VGC-13	270		1	1/19/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-15			iso-Hexanoic Acid	210	ug/L	U	VGC-13	210		1	1/19/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-15			iso-Pentanoic Acid	260	ug/L	U	VGC-13	260		1	1/19/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-15	74-84-0	331	Ethane	1.50	ug/L	U	RSK-175	1.50	NE	1	1/19/2011	1/26/2011	1/26/2011	442
33-01	3301-MW-15	87701-65-3	332	Ethene	1.60	ug/L	U	RSK-175	1.60	NE	1	1/19/2011	1/26/2011	1/26/2011	442
33-01	3301-MW-15	74-82-8	333	Methane	414	ug/L		RSK-175	0.490	NE	1	1/19/2011	1/26/2011	1/26/2011	442
33-01	3301-MW-15	E-10195	357	Total Organic Carbon	3600	ug/L		SM18 5310B	280	NE	1	1/19/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-15	124-38-9	413	Carbon dioxide	296000	ug/L	D	RSK-175	20000	NE	10	1/19/2011	1/26/2011	1/26/2011	442
33-01	3301-MW-15	127-17-3	414	Pyruvic Acid	140	ug/L	U	VGC-13	140	NE	1	1/19/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-15	50-21-5	415	Lactic Acid	440	ug/L	U	VGC-13	440	NE	1	1/19/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-15	64-19-7	416	Acetic Acid	83	ug/L	U	VGC-13	83	NE	1	1/19/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-15	79-09-4	417	Propionic Acid	180	ug/L	U	VGC-13	180	NE	1	1/19/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-15	107-92-6	418	Butyric Acid	160	ug/L	U	VGC-13	160	NE	1	1/19/2011	1/24/2011	1/24/2011	442
33-01	3301-MW-15	100-41-4	110	Ethylbenzene	0.20	ug/L	U	8260B	0.20	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-15	591-78-6	124	2-Hexanone	0.69	ug/L	U	8260B	0.69	50	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-15	7440-36-0	13	Antimony Dissolved	0.220	ug/L	U	6020A	0.220	6	1	1/19/2011	2/8/2011	2/10/2011	591
33-01	3301-MW-15	7440-36-0	13	Antimony Total	0.220	ug/L	U	6020A	0.220	6	1	1/19/2011	1/25/2011	1/28/2011	591
33-01	3301-MW-15	7439-92-1	131	Lead Dissolved	1.90	ug/L	U	6010C	1.90	10	1	1/19/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-15	7439-92-1	131	Lead Total	1.90	ug/L	U	6010C	1.90	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-15	7439-97-6	132	Mercury Total	0.170	ug/L	U	7470A	0.170	0.2	1	1/19/2011	1/21/2011	1/21/2011	591
33-01	3301-MW-15	74-83-9	136	Bromomethane	0.49	ug/L	U	8260B	0.49	10	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-15	74-87-3	137	Chloromethane	0.34	ug/L	U	8260B	0.34	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-15	74-95-3	139	Dibromomethane	0.37	ug/L	U	8260B	0.37	10	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-15	7440-38-2	14	Arsenic Dissolved	2.80	ug/L	U	6010C	2.80	10	1	1/19/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-15	7440-38-2	14	Arsenic Total	2.80	ug/L	U	6010C	2.80	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-15	75-09-2	140	Methylene chloride	0.53	ug/L	U	8260B	0.53	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-15	78-93-3	141	2-Butanone	1.0	ug/L	U	8260B	1.0	100	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-15	74-88-4	142	Iodomethane	0.52	ug/L	U	8260B	0.52	10	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-15	108-10-1	147	4-Methyl-2-pentanone	1.1	ug/L	U	8260B	1.1	100	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-15	7440-39-3	15	Barium Dissolved	247	ug/L		6010C	1.00	100	1	1/19/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-15	7440-39-3	15	Barium Total	395	ug/L		6010C	1.00	100	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-15	7440-02-0	152	Nickel Dissolved	12.5	ug/L	J	6010C	1.80	50	1	1/19/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-15	7440-02-0	152	Nickel Total	13.0	ug/L	J	6010C	1.80	50	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-15	71-43-2	16	Benzene	0.20	ug/L	U	8260B	0.20	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-15	7782-49-2	183	Selenium Total	0.892	ug/L	J	6020A	0.830	10	1	1/19/2011	1/25/2011	1/28/2011	591
33-01	3301-MW-15	7782-49-2	183	Selenium Dissolved	2.19	ug/L	J	6020A	0.830	10	1	1/19/2011	2/8/2011	2/10/2011	591
33-01	3301-MW-15	7440-22-4	184	Silver Total	2.94	ug/L	J	6010C	1.90	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-15	7440-22-4	184	Silver Dissolved	2.95	ug/L	J	6010C	1.90	10	1	1/19/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-15	100-42-5	186	Styrene	0.26	ug/L	U	8260B	0.26	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-15	18496-25-8	187	Sulfide	10	ug/L	U	SM18 4500-S D	10	1000	1	1/19/2011	1/21/2011	1/21/2011	591
33-01	3301-MW-15	630-20-6	190	1,1,1,2-Tetrachloroethane	0.40	ug/L	U	8260B	0.40	5	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-15	79-34-5	191	1,1,2,2-Tetrachloroethane	0.33	ug/L	U	8260B	0.33	3	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-15	127-18-4	192	Tetrachloroethene	0.36	ug/L	U	8260B	0.36	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-15	7440-28-0	194	Thallium Dissolved	0.110	ug/L	U	6020A	0.110	5.5	1	1/19/2011	2/8/2011	2/10/2011	591
33-01	3301-MW-15	7440-28-0	194	Thallium Total	0.110	ug/L	U	6020A	0.110	5.5	1	1/19/2011	1/25/2011	1/28/2011	591
33-01	3301-MW-15	108-88-3	196	Toluene	0.27	ug/L	U	8260B	0.27	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-15	71-55-6	200	1,1,1-Trichloroethane	0.27	ug/L	U	8260B	0.27	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-15	79-01-6	201	Trichloroethene	0.38	ug/L	U	8260B	0.38	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-15	79-00-5	202	1,1,2-Trichloroethane	0.37	ug/L	U	8260B	0.37	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-15	75-69-4	203	Trichlorofluoromethane	0.28	ug/L	U	8260B	0.28	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-15	96-18-4	206	1,2,3-Trichloropropane	0.55	ug/L	U	8260B	0.55	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-15	7440-62-2	209	Vanadium Total	1.40	ug/L	U	6010C	1.40	25	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-15	7440-62-2	209	Vanadium Dissolved	1.40	ug/L	U	6010C	1.40	25	1	1/19/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-15	108-05-4	210	Vinyl acetate	0.98	ug/L	U	8260B	0.98	50	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-15	75-01-4	211	Vinyl chloride	1.9	ug/L		8260B	0.30	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-15	7440-66-6	213	Zinc Total	4.22	ug/L	J	6010C	3.80	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-15	7440-66-6	213	Zinc Dissolved	3.80	ug/L	U	6010C	3.80	10	1	1/19/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-15	7440-41-7	23	Beryllium Dissolved	0.100	ug/L	U	6010C	0.100	1	1	1/19/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-15	7440-41-7	23	Beryllium Total	0.100	ug/L	U	6010C	0.100	1	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-15	74-97-5	28	Bromochloromethane	0.42	ug/L	U	8260B	0.42	3	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-15	75-27-4	29	Bromodichloromethane	0.37	ug/L	U	8260B	0.37	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-15	67-64-1	3	Acetone	1.5	ug/L	U	8260B	1.5	100	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-15	75-25-2	30	Bromoform	0.71	ug/L	U	8260B	0.71	3	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-15	SW301	301	Chloride	15000	ug/L		300.0	18	NE	1	1/19/2011	1/26/2011	1/26/2011	591
33-01	3301-MW-15	SW303	303	Nitrate as N	62	ug/L	J	353.2	25	10000	1	1/19/2011	2/2/2011	2/3/2011	591
33-01	3301-MW-15	SW311	311	Total Dissolved Solids	400000	ug/L		SM 2540C	10000	NE	1	1/19/2011	1/21/2011	1/21/2011	591
33-01	3301-MW-15	14808-79-8	315	Sulfate as SO4	7900	ug/L	J	300.0	120	250000	1	1/19/2011	1/26/2011	1/26/2011	591
33-01	3301-MW-15	SW316	316	Biochemical Oxygen Demand	2000	ug/L	U	SM 5210B	2000	NE	1	1/19/2011	1/20/2011	1/20/2011	591
33-01	3301-MW-15	SW317	317	Chemical Oxygen Demand	33000	ug/L		SM 5220D	2800	NE	1	1/19/2011	1/25/2011	1/25/2011	591
33-01	3301-MW-15	SW337	337	Total Alkalinity as CaCO3	410000	ug/L	D	310.2	40000	NE	5	1/19/2011	1/26/2011	1/26/2011	591
33-01	3301-MW-15	7440-43-9	34	Cadmium Dissolved	0.360	ug/L	U	6010C	0.360	1	1	1/19/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-15	7440-43-9	34	Cadmium Total	0.360	ug/L	U	6010C	0.360	1	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-15	7439-89-6	340	Iron Total	22600	ug/L		6010C	22.0	300	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-15	7439-96-5	342	Manganese Total	11100	ug/L		6010C	1.10	50	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-15	1330-20-7	346	Xylenes (Total)	0.40	ug/L	U	8260B	0.40	5	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-15	75-15-0	35	Carbon disulfide	0.54	ug/L	U	8260B	0.54	100	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-15	56-23-5	36	Carbon tetrachloride	0.38	ug/L	U	8260B	0.38	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-15	108-90-7	39	Chlorobenzene	1.2	ug/L	J	8260B	0.27	3	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-15	75-00-3	41	Chloroethane	0.30	ug/L	U	8260B	0.30	10	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-15	67-66-3	44	Chloroform	0.20	ug/L	U	8260B	0.20	5	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-15	7440-47-3	51	Chromium Dissolved	1.00	ug/L	U	6010C	1.00	10	1	1/19/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-15	7440-47-3	51	Chromium Total	1.00	ug/L	U	6010C	1.00	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-15	7440-48-4	53	Cobalt Total	13.5	ug/L		6010C	1.10	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-15	7440-48-4	53	Cobalt Dissolved	13.8	ug/L		6010C	1.10	10	1	1/19/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-15	7440-50-8	54	Copper Dissolved	1.60	ug/L	U	6010C	1.60	10	1	1/19/2011	2/8/2011	2/9/2011	591
33-01	3301-MW-15	7440-50-8	54	Copper Total	3.39	ug/L	J	6010C	1.60	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-MW-15	124-48-1	66	Dibromochloromethane	0.32	ug/L	U	8260B	0.32	3	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-15	96-12-8	67	1,2-Dibromo-3-chloropropane	0.48	ug/L	U	8260B	0.48	13	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-15	106-93-4	68	1,2-Dibromoethane	0.42	ug/L	U	8260B	0.42	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-15	95-50-1	69	1,2-Dichlorobenzene	0.27	ug/L	U	8260B	0.27	5	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-15	106-46-7	71	1,4-Dichlorobenzene	0.38	ug/L	U	8260B	0.38	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-15	110-57-6	73	trans-1,4-Dichloro-2-butene	0.54	ug/L	U	8260B	0.54	100	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-15	75-34-3	75	1,1-Dichloroethane	0.59	ug/L	J	8260B	0.33	5	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-15	107-06-2	76	1,2-Dichloroethane	0.65	ug/L	U	8260B	0.65	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-15	75-35-4	77	1,1-Dichloroethene	0.24	ug/L	U	8260B	0.24	5	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-15	156-59-2	78	cis-1,2-Dichloroethene	14	ug/L		8260B	0.36	5	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-15	156-60-5	79	trans-1,2-Dichloroethene	0.67	ug/L	J	8260B	0.34	5	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-15	107-13-1	8	Acrylonitrile	2.1	ug/L	U	8260B	2.1	200	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-15	78-87-5	82	1,2-Dichloropropane	1.6	ug/L		8260B	0.20	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-15	10061-01-5	86	cis-1,3-Dichloropropene	0.28	ug/L	U	8260B	0.28	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-MW-15	10061-02-6	87	trans-1,3-Dichloropropene	0.38	ug/L	U	8260B	0.38	1	1	1/19/2011	1/27/2011	1/28/2011	591

33-01	3301-MW-15			Hydrogen	0.60	nM	U	AM20GAX	0.600			1/19/2011		2/2/2011	
33-01	3301-MW-16		318	Depth To Water	8.81	ft						1/18/2011			
33-01	3301-MW-16		411	Total Well Depth	19.85	ft						1/18/2011			
33-01	3301-MW-16		328	TOC Elevation	46.58	ft AMSL						1/18/2011			
33-01	3301-MW-16		319	Groundwater Elevation	37.77	ft AMSL						1/18/2011			
33-01	3301-MW-16		320	pH	5.74	standard units						1/18/2011			
33-01	3301-MW-16		323	Specific Conductivity	0.617	mS/cm						1/18/2011			
33-01	3301-MW-16		325	Temperature	13.05	ºC						1/18/2011			
33-01	3301-MW-16		330	Turbidity	8.9	NTUs						1/18/2011			
33-01	3301-MW16			Hexanoic Acid	230	ug/L	U	VGC-13	230		1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW16			HIBA (2-Hydroxyisobutyric Acid)	160	ug/L	U	VGC-13	160		1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW16			Pentanoic Acid	270	ug/L	U	VGC-13	270		1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW16			iso-Hexanoic Acid	210	ug/L	U	VGC-13	210		1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW16			iso-Pentanoic Acid	260	ug/L	U	VGC-13	260		1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW16	74-84-0	331	Ethane	1.50	ug/L	U	RSK-175	1.50	NE	1	1/18/2011	1/21/2011	1/21/2011	442
33-01	3301-MW16	87701-65-3	332	Ethene	1.60	ug/L	U	RSK-175	1.60	NE	1	1/18/2011	1/21/2011	1/21/2011	442
33-01	3301-MW16	74-82-8	333	Methane	6870	ug/L		RSK-175	0.490	NE	1	1/18/2011	1/21/2011	1/21/2011	442
33-01	3301-MW16	E-10195	357	Total Organic Carbon	12000	ug/L		SM18 5310B	280	NE	1	1/18/2011	1/24/2011	1/24/2011	442
33-01	3301-MW16	124-38-9	413	Carbon dioxide	34000	ug/L		RSK-175	2000	NE	1	1/18/2011	1/21/2011	1/21/2011	442
33-01	3301-MW16	127-17-3	414	Pyruvic Acid	140	ug/L	U	VGC-13	140	NE	1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW16	50-21-5	415	Lactic Acid	440	ug/L	U	VGC-13	440	NE	1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW16	64-19-7	416	Acetic Acid	83	ug/L	U	VGC-13	83	NE	1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW16	79-09-4	417	Propionic Acid	180	ug/L	U	VGC-13	180	NE	1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW16	107-92-6	418	Butyric Acid	160	ug/L	U	VGC-13	160	NE	1	1/18/2011	1/21/2011	1/23/2011	442
33-01	3301-MW16	100-41-4	110	Ethylbenzene	0.20	ug/L	U	8260B	0.20	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW16	591-78-6	124	2-Hexanone	0.69	ug/L	U	8260B	0.69	50	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW16	7440-36-0	13	Antimony Total	0.220	ug/L	U	6020A	0.220	6	1	1/18/2011	1/20/2011	1/25/2011	591
33-01	3301-MW16	7439-92-1	131	Lead Total	1.90	ug/L	U	6010C	1.90	10	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW16	7439-97-6	132	Mercury Total	0.170	ug/L	U	7470A	0.170	0.2	1	1/18/2011	1/21/2011	1/21/2011	591
33-01	3301-MW16	74-83-9	136	Bromomethane	0.49	ug/L	U	8260B	0.49	10	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW16	74-87-3	137	Chloromethane	0.34	ug/L	U	8260B	0.34	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW16	74-95-3	139	Dibromomethane	0.37	ug/L	U	8260B	0.37	10	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW16	7440-38-2	14	Arsenic Total	2.80	ug/L	U	6010C	2.80	10	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW16	75-09-2	140	Methylene chloride	0.53	ug/L	U	8260B	0.53	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW16	78-93-3	141	2-Butanone	1.0	ug/L	U	8260B	1.0	100	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW16	74-88-4	142	Iodomethane	0.52	ug/L	U	8260B	0.52	10	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW16	108-10-1	147	4-Methyl-2-pentanone	1.1	ug/L	U	8260B	1.1	100	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW16	7440-39-3	15	Barium Total	315	ug/L		6010C	1.00	100	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW16	7440-02-0	152	Nickel Total	2.76	ug/L	J	6010C	1.80	50	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW16	71-43-2	16	Benzene	0.20	ug/L	U	8260B	0.20	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW16	7782-49-2	183	Selenium Total	1.41	ug/L	J	6020A	0.830	10	1	1/18/2011	1/20/2011	1/25/2011	591
33-01	3301-MW16	7440-22-4	184	Silver Total	1.90	ug/L	U	6010C	1.90	10	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW16	100-42-5	186	Styrene	0.26	ug/L	U	8260B	0.26	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW16	18496-25-8	187	Sulfide	75	ug/L	J	SM18 4500-S D	10	1000	1	1/18/2011	1/21/2011	1/21/2011	591
33-01	3301-MW16	630-20-6	190	1,1,1,2-Tetrachloroethane	0.40	ug/L	U	8260B	0.40	5	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW16	79-34-5	191	1,1,2,2-Tetrachloroethane	0.33	ug/L	U	8260B	0.33	3	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW16	127-18-4	192	Tetrachloroethene	0.36	ug/L	U	8260B	0.36	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW16	7440-28-0	194	Thallium Total	0.110	ug/L	U	6020A	0.110	5.5	1	1/18/2011	1/20/2011	1/25/2011	591
33-01	3301-MW16	108-88-3	196	Toluene	0.27	ug/L	U	8260B	0.27	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW16	71-55-6	200	1,1,1-Trichloroethane	0.27	ug/L	U	8260B	0.27	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW16	79-01-6	201	Trichloroethene	0.38	ug/L	U	8260B	0.38	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW16	79-00-5	202	1,1,2-Trichloroethane	0.37	ug/L	U	8260B	0.37	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW16	75-69-4	203	Trichlorofluoromethane	0.28	ug/L	U	8260B	0.28	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW16	96-18-4	206	1,2,3-Trichloropropane	0.55	ug/L	U	8260B	0.55	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW16	7440-62-2	209	Vanadium Total	1.40	ug/L	U	6010C	1.40	25	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW16	108-05-4	210	Vinyl acetate	0.98	ug/L	U	8260B	0.98	50	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW16	75-01-4	211	Vinyl chloride	0.30	ug/L	U	8260B	0.30	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW16	7440-66-6	213	Zinc Total	3.80	ug/L	U	6010C	3.80	10	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW16	7440-41-7	23	Beryllium Total	0.100	ug/L	U	6010C	0.100	1	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW16	74-97-5	28	Bromochloromethane	0.42	ug/L	U	8260B	0.42	3	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW16	75-27-4	29	Bromodichloromethane	0.37	ug/L	U	8260B	0.37	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW16	67-64-1	3	Acetone	1.5	ug/L	U	8260B	1.5	100	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW16	75-25-2	30	Bromoform	0.71	ug/L	U	8260B	0.71	3	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW16	SW301	301	Chloride	24000	ug/L		300.0	18	NE	1	1/18/2011	1/21/2011	1/21/2011	591
33-01	3301-MW16	SW303	303	Nitrate as N	81	ug/L	J	353.2	25	10000	1	1/18/2011	2/2/2011	2/2/2011	591
33-01	3301-MW16	SW311	311	Total Dissolved Solids	310000	ug/L		SM 2540C	10000	NE	1	1/18/2011	1/21/2011	1/21/2011	591
33-01	3301-MW16	14808-79-8	315	Sulfate as SO4	2900	ug/L	J	300.0	120	250000	1	1/18/2011	1/21/2011	1/21/2011	591
33-01	3301-MW16	SW316	316	Biochemical Oxygen Demand	2000	ug/L	U	SM 5210B	2000	NE	1	1/18/2011	1/19/2011	1/19/2011	591
33-01	3301-MW16	SW317	317	Chemical Oxygen Demand	48000	ug/L		SM 5220D	2800	NE	1	1/18/2011	1/25/2011	1/25/2011	591
33-01	3301-MW16	SW337	337	Total Alkalinity as CaCO3	200000	ug/L	D	310.2	40000	NE	5	1/18/2011	1/26/2011	1/26/2011	591
33-01	3301-MW16	7440-43-9	34	Cadmium Total	0.360	ug/L	U	6010C	0.360	1	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW16	7439-89-6	340	Iron Total	52200	ug/L		6010C	22.0	300	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW16	7439-96-5	342	Manganese Total	415	ug/L		6010C	1.10	50	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW16	1330-20-7	346	Xylenes (Total)	0.40	ug/L	U	8260B	0.40	5	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW16	75-15-0	35	Carbon disulfide	0.54	ug/L	U	8260B	0.54	100	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW16	56-23-5	36	Carbon tetrachloride	0.38	ug/L	U	8260B	0.38	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW16	108-90-7	39	Chlorobenzene	0.27	ug/L	U	8260B	0.27	3	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW16	75-00-3	41	Chloroethane	0.30	ug/L	U	8260B	0.30	10	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW16	67-66-3	44	Chloroform	0.20	ug/L	U	8260B	0.20	5	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW16	7440-47-3	51	Chromium Total	1.00	ug/L	U	6010C	1.00	10	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW16	7440-48-4	53	Cobalt Total	1.86	ug/L	J	6010C	1.10	10	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW16	7440-50-8	54	Copper Total	1.60	ug/L	U	6010C	1.60	10	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-MW16	124-48-1	66	Dibromochloromethane	0.32	ug/L	U	8260B	0.32	3	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW16	96-12-8	67	1,2-Dibromo-3-chloropropane	0.48	ug/L	U	8260B	0.48	13	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW16	106-93-4	68	1,2-Dibromoethane	0.42	ug/L	U	8260B	0.42	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW16	95-50-1	69	1,2-Dichlorobenzene	0.27	ug/L	U	8260B	0.27	5	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW16	106-46-7	71	1,4-Dichlorobenzene	0.38	ug/L	U	8260B	0.38	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW16	110-57-6	73	trans-1,4-Dichloro-2-butene	0.54	ug/L	U	8260B	0.54	100	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW16	75-34-3	75	1,1-Dichloroethane	0.33	ug/L	U	8260B	0.33	5	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW16	107-06-2	76	1,2-Dichloroethane	0.65	ug/L	U	8260B	0.65	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW16	75-35-4	77	1,1-Dichloroethene	0.24	ug/L	U	8260B	0.24	5	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW16	156-59-2	78	cis-1,2-Dichloroethene	0.36	ug/L	U	8260B	0.36	5	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW16	156-60-5	79	trans-1,2-Dichloroethene	0.34	ug/L	U	8260B	0.34	5	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW16	107-13-1	8	Acrylonitrile	2.1	ug/L	U	8260B	2.1	200	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW16	78-87-5	82	1,2-Dichloropropane	0.20	ug/L	U	8260B	0.20	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW16	10061-01-5	86	cis-1,3-Dichloropropene	0.28	ug/L	U	8260B	0.28	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW16	10061-02-6	87	trans-1,3-Dichloropropene	0.38	ug/L	U	8260B	0.38	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-MW-16			Hydrogen	0.65	nM		AM20GAX	0.600			1/18/2011		2/1/2011	
33-01	3301-UPSTREAM	100-41-4	110	Ethylbenzene	0.20	ug/L	U	8260B	0.20	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-UPSTREAM	591-78-6	124	2-Hexanone	0.69	ug/L	U	8260B	0.69	50	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-UPSTREAM	7440-36-0	13	Antimony Total	0.220	ug/L	U	6020A	0.220	6	1	1/19/2011	1/25/2011	1/28/2011	591
33-01	3301-UPSTREAM	7439-92-1	131	Lead Total	1.90	ug/L	U	6010C	1.90	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-UPSTREAM	74-83-9	136	Bromomethane	0.49	ug/L	U	8260B	0.49	10	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-UPSTREAM	74-87-3	137	Chloromethane	0.34	ug/L	U	8260B	0.34	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-UPSTREAM	74-95-3	139	Dibromomethane	0.37	ug/L	U	8260B	0.37	10	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-UPSTREAM	7440-38-2	14	Arsenic Total	2.80	ug/L	U	6010C	2.80	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-UPSTREAM	75-09-2	140	Methylene chloride	0.53	ug/L	U	8260B	0.53	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-UPSTREAM	78-93-3	141	2-Butanone	1.0	ug/L	U	8260B	1.0	100	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-UPSTREAM	74-88-4	142	Iodomethane	0.52	ug/L	U	8260B	0.52	10	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-UPSTREAM	108-10-1	147	4-Methyl-2-pentanone	1.1	ug/L	U	8260B	1.1	100	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-UPSTREAM	7440-39-3	15	Barium Total	72.9	ug/L	J	6010C	1.00	100	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-UPSTREAM	7440-02-0	152	Nickel Total	1.80	ug/L	U	6010C	1.80	50	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-UPSTREAM	71-43-2	16	Benzene	0.20	ug/L	U	8260B	0.20	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-UPSTREAM	7782-49-2	183	Selenium Total	0.830	ug/L	U	6020A	0.830	10	1	1/19/2011	1/25/2011	1/28/2011	591
33-01	3301-UPSTREAM	7440-22-4	184	Silver Total	1.90	ug/L	U	6010C	1.90	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-UPSTREAM	100-42-5	186	Styrene	0.26	ug/L	U	8260B	0.26	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-UPSTREAM	630-20-6	190	1,1,1,2-Tetrachloroethane	0.40	ug/L	U	8260B	0.40	5	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-UPSTREAM	79-34-5	191	1,1,2,2-Tetrachloroethane	0.33	ug/L	U	8260B	0.33	3	1	1/19/2011	1/27/2011	1/28/2011	591

33-01	3301-UPSTREAM	127-18-4	192	Tetrachloroethene	0.36	ug/L	U	8260B	0.36	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-UPSTREAM	7440-28-0	194	Thallium Total	0.110	ug/L	U	6020A	0.110	5.5	1	1/19/2011	1/25/2011	1/28/2011	591
33-01	3301-UPSTREAM	108-88-3	196	Toluene	0.27	ug/L	U	8260B	0.27	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-UPSTREAM	71-55-6	200	1,1,1-Trichloroethane	0.27	ug/L	U	8260B	0.27	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-UPSTREAM	79-01-6	201	Trichloroethene	0.38	ug/L	U	8260B	0.38	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-UPSTREAM	79-00-5	202	1,1,2-Trichloroethane	0.37	ug/L	U	8260B	0.37	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-UPSTREAM	75-69-4	203	Trichlorofluoromethane	0.28	ug/L	U	8260B	0.28	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-UPSTREAM	96-18-4	206	1,2,3-Trichloropropane	0.55	ug/L	U	8260B	0.55	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-UPSTREAM	7440-62-2	209	Vanadium Total	1.40	ug/L	U	6010C	1.40	25	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-UPSTREAM	108-05-4	210	Vinyl acetate	0.98	ug/L	U	8260B	0.98	50	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-UPSTREAM	75-01-4	211	Vinyl chloride	0.30	ug/L	U	8260B	0.30	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-UPSTREAM	7440-66-6	213	Zinc Total	14.7	ug/L		6010C	3.80	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-UPSTREAM	7440-41-7	23	Beryllium Total	0.100	ug/L	U	6010C	0.100	1	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-UPSTREAM	74-97-5	28	Bromochloromethane	0.42	ug/L	U	8260B	0.42	3	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-UPSTREAM	75-27-4	29	Bromodichloromethane	0.37	ug/L	U	8260B	0.37	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-UPSTREAM	67-64-1	3	Acetone	1.5	ug/L	U	8260B	1.5	100	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-UPSTREAM	75-25-2	30	Bromoform	0.71	ug/L	U	8260B	0.71	3	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-UPSTREAM	7440-43-9	34	Cadmium Total	0.360	ug/L	U	6010C	0.360	1	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-UPSTREAM	1330-20-7	346	Xylenes (Total)	0.40	ug/L	U	8260B	0.40	5	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-UPSTREAM	75-15-0	35	Carbon disulfide	0.54	ug/L	U	8260B	0.54	100	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-UPSTREAM	56-23-5	36	Carbon tetrachloride	0.38	ug/L	U	8260B	0.38	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-UPSTREAM	108-90-7	39	Chlorobenzene	0.27	ug/L	U	8260B	0.27	3	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-UPSTREAM	75-00-3	41	Chloroethane	0.30	ug/L	U	8260B	0.30	10	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-UPSTREAM	67-66-3	44	Chloroform	0.20	ug/L	U	8260B	0.20	5	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-UPSTREAM	7440-47-3	51	Chromium Total	1.00	ug/L	U	6010C	1.00	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-UPSTREAM	7440-48-4	53	Cobalt Total	1.25	ug/L	J	6010C	1.10	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-UPSTREAM	7440-50-8	54	Copper Total	2.81	ug/L	J	6010C	1.60	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-UPSTREAM	124-48-1	66	Dibromochloromethane	0.32	ug/L	U	8260B	0.32	3	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-UPSTREAM	96-12-8	67	1,2-Dibromo-3-chloropropane	0.48	ug/L	U	8260B	0.48	13	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-UPSTREAM	106-93-4	68	1,2-Dibromoethane	0.42	ug/L	U	8260B	0.42	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-UPSTREAM	95-50-1	69	1,2-Dichlorobenzene	0.27	ug/L	U	8260B	0.27	5	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-UPSTREAM	106-46-7	71	1,4-Dichlorobenzene	0.38	ug/L	U	8260B	0.38	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-UPSTREAM	110-57-6	73	trans-1,4-Dichloro-2-butene	0.54	ug/L	U	8260B	0.54	100	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-UPSTREAM	75-34-3	75	1,1-Dichloroethane	0.33	ug/L	U	8260B	0.33	5	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-UPSTREAM	107-06-2	76	1,2-Dichloroethane	0.65	ug/L	U	8260B	0.65	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-UPSTREAM	75-35-4	77	1,1-Dichloroethene	0.24	ug/L	U	8260B	0.24	5	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-UPSTREAM	156-59-2	78	cis-1,2-Dichloroethene	0.36	ug/L	U	8260B	0.36	5	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-UPSTREAM	156-60-5	79	trans-1,2-Dichloroethene	0.34	ug/L	U	8260B	0.34	5	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-UPSTREAM	107-13-1	8	Acrylonitrile	2.1	ug/L	U	8260B	2.1	200	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-UPSTREAM	78-87-5	82	1,2-Dichloropropane	0.20	ug/L	U	8260B	0.20	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-UPSTREAM	10061-01-5	86	cis-1,3-Dichloropropene	0.28	ug/L	U	8260B	0.28	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-UPSTREAM	10061-02-6	87	trans-1,3-Dichloropropene	0.38	ug/L	U	8260B	0.38	1	1	1/19/2011	1/27/2011	1/28/2011	591
33-01	3301-DOWNSTREAM	100-41-4	110	Ethylbenzene	0.20	ug/L	U	8260B	0.20	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-DOWNSTREAM	591-78-6	124	2-Hexanone	0.69	ug/L	U	8260B	0.69	50	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-DOWNSTREAM	7440-36-0	13	Antimony Total	0.220	ug/L	U	6020A	0.220	6	1	1/18/2011	1/20/2011	1/25/2011	591
33-01	3301-DOWNSTREAM	7439-92-1	131	Lead Total	1.90	ug/L	U	6010C	1.90	10	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-DOWNSTREAM	74-83-9	136	Bromomethane	0.49	ug/L	U	8260B	0.49	10	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-DOWNSTREAM	74-87-3	137	Chloromethane	0.34	ug/L	U	8260B	0.34	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-DOWNSTREAM	74-95-3	139	Dibromomethane	0.37	ug/L	U	8260B	0.37	10	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-DOWNSTREAM	7440-38-2	14	Arsenic Total	2.80	ug/L	U	6010C	2.80	10	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-DOWNSTREAM	75-09-2	140	Methylene chloride	0.53	ug/L	U	8260B	0.53	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-DOWNSTREAM	78-93-3	141	2-Butanone	1.0	ug/L	U	8260B	1.0	100	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-DOWNSTREAM	74-88-4	142	Iodomethane	0.52	ug/L	U	8260B	0.52	10	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-DOWNSTREAM	108-10-1	147	4-Methyl-2-pentanone	1.1	ug/L	U	8260B	1.1	100	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-DOWNSTREAM	7440-39-3	15	Barium Total	70.6	ug/L	J	6010C	1.00	100	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-DOWNSTREAM	7440-02-0	152	Nickel Total	4.96	ug/L	J	6010C	1.80	50	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-DOWNSTREAM	71-43-2	16	Benzene	0.20	ug/L	U	8260B	0.20	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-DOWNSTREAM	7782-49-2	183	Selenium Total	0.830	ug/L	U	6020A	0.830	10	1	1/18/2011	1/20/2011	1/25/2011	591
33-01	3301-DOWNSTREAM	7440-22-4	184	Silver Total	1.90	ug/L	U	6010C	1.90	10	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-DOWNSTREAM	100-42-5	186	Styrene	0.26	ug/L	U	8260B	0.26	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-DOWNSTREAM	630-20-6	190	1,1,1,2-Tetrachloroethane	0.40	ug/L	U	8260B	0.40	5	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-DOWNSTREAM	79-34-5	191	1,1,2,2-Tetrachloroethane	0.33	ug/L	U	8260B	0.33	3	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-DOWNSTREAM	127-18-4	192	Tetrachloroethene	0.36	ug/L	U	8260B	0.36	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-DOWNSTREAM	7440-28-0	194	Thallium Total	0.110	ug/L	U	6020A	0.110	5.5	1	1/18/2011	1/20/2011	1/25/2011	591
33-01	3301-DOWNSTREAM	108-88-3	196	Toluene	0.27	ug/L	U	8260B	0.27	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-DOWNSTREAM	71-55-6	200	1,1,1-Trichloroethane	0.27	ug/L	U	8260B	0.27	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-DOWNSTREAM	79-01-6	201	Trichloroethene	0.38	ug/L	U	8260B	0.38	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-DOWNSTREAM	79-00-5	202	1,1,2-Trichloroethane	0.37	ug/L	U	8260B	0.37	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-DOWNSTREAM	75-69-4	203	Trichlorofluoromethane	0.28	ug/L	U	8260B	0.28	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-DOWNSTREAM	96-18-4	206	1,2,3-Trichloropropane	0.55	ug/L	U	8260B	0.55	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-DOWNSTREAM	7440-62-2	209	Vanadium Total	1.40	ug/L	U	6010C	1.40	25	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-DOWNSTREAM	108-05-4	210	Vinyl acetate	0.98	ug/L	U	8260B	0.98	50	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-DOWNSTREAM	75-01-4	211	Vinyl chloride	0.30	ug/L	U	8260B	0.30	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-DOWNSTREAM	7440-66-6	213	Zinc Total	14.1	ug/L		6010C	3.80	10	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-DOWNSTREAM	7440-41-7	23	Beryllium Total	0.100	ug/L	U	6010C	0.100	1	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-DOWNSTREAM	74-97-5	28	Bromochloromethane	0.42	ug/L	U	8260B	0.42	3	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-DOWNSTREAM	75-27-4	29	Bromodichloromethane	0.37	ug/L	U	8260B	0.37	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-DOWNSTREAM	67-64-1	3	Acetone	1.5	ug/L	U	8260B	1.5	100	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-DOWNSTREAM	75-25-2	30	Bromoform	0.71	ug/L	U	8260B	0.71	3	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-DOWNSTREAM	7440-43-9	34	Cadmium Total	0.360	ug/L	U	6010C	0.360	1	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-DOWNSTREAM	1330-20-7	346	Xylenes (Total)	0.40	ug/L	U	8260B	0.40	5	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-DOWNSTREAM	75-15-0	35	Carbon disulfide	0.54	ug/L	U	8260B	0.54	100	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-DOWNSTREAM	56-23-5	36	Carbon tetrachloride	0.38	ug/L	U	8260B	0.38	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-DOWNSTREAM	108-90-7	39	Chlorobenzene	0.27	ug/L	U	8260B	0.27	3	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-DOWNSTREAM	75-00-3	41	Chloroethane	0.30	ug/L	U	8260B	0.30	10	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-DOWNSTREAM	67-66-3	44	Chloroform	0.20	ug/L	U	8260B	0.20	5	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-DOWNSTREAM	7440-47-3	51	Chromium Total	1.00	ug/L	U	6010C	1.00	10	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-DOWNSTREAM	7440-48-4	53	Cobalt Total	4.88	ug/L	J	6010C	1.10	10	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-DOWNSTREAM	7440-50-8	54	Copper Total	1.65	ug/L	J	6010C	1.60	10	1	1/18/2011	1/19/2011	1/24/2011	591
33-01	3301-DOWNSTREAM	124-48-1	66	Dibromochloromethane	0.32	ug/L	U	8260B	0.32	3	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-DOWNSTREAM	96-12-8	67	1,2-Dibromo-3-chloropropane	0.48	ug/L	U	8260B	0.48	13	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-DOWNSTREAM	106-93-4	68	1,2-Dibromoethane	0.42	ug/L	U	8260B	0.42	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-DOWNSTREAM	95-50-1	69	1,2-Dichlorobenzene	0.27	ug/L	U	8260B	0.27	5	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-DOWNSTREAM	106-46-7	71	1,4-Dichlorobenzene	0.38	ug/L	U	8260B	0.38	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-DOWNSTREAM	110-57-6	73	trans-1,4-Dichloro-2-butene	0.54	ug/L	U	8260B	0.54	100	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-DOWNSTREAM	75-34-3	75	1,1-Dichloroethane	0.33	ug/L	U	8260B	0.33	5	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-DOWNSTREAM	107-06-2	76	1,2-Dichloroethane	0.65	ug/L	U	8260B	0.65	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-DOWNSTREAM	75-35-4	77	1,1-Dichloroethene	0.24	ug/L	U	8260B	0.24	5	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-DOWNSTREAM	156-59-2	78	cis-1,2-Dichloroethene	0.36	ug/L	U	8260B	0.36	5	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-DOWNSTREAM	156-60-5	79	trans-1,2-Dichloroethene	0.34	ug/L	U	8260B	0.34	5	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-DOWNSTREAM	107-13-1	8	Acrylonitrile	2.1	ug/L	U	8260B	2.1	200	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-DOWNSTREAM	78-87-5	82	1,2-Dichloropropane	0.20	ug/L	U	8260B	0.20	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-DOWNSTREAM	10061-01-5	86	cis-1,3-Dichloropropene	0.28	ug/L	U	8260B	0.28	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-DOWNSTREAM	10061-02-6	87	trans-1,3-Dichloropropene	0.38	ug/L	U	8260B	0.38	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-Equipment Blank	100-41-4	110	Ethylbenzene	0.20	ug/L	U	8260B	0.20	1	1	1/19/2011	1/28/2011	1/29/2011	591
33-01	3301-Equipment Blank	591-78-6	124	2-Hexanone	0.69	ug/L	U	8260B	0.69	50	1	1/19/2011	1/28/2011	1/29/2011	591
33-01	3301-Equipment Blank	7440-36-0	13	Antimony Total	0.220	ug/L	U	6020A	0.220	6	1	1/19/2011	1/25/2011	1/28/2011	591
33-01	3301-Equipment Blank	7439-92-1	131	Lead Total	1.90	ug/L	U	6010C	1.90	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-Equipment Blank	74-83-9	136	Bromomethane	0.49	ug/L	U	8260B	0.49	10	1	1/19/2011	1/28/2011	1/29/2011	591
33-01	3301-Equipment Blank	74-87-3	137	Chloromethane	0.34	ug/L	U	8260B	0.34	1	1	1/19/2011	1/28/2011	1/29/2011	591
33-01	3301-Equipment Blank	74-95-3	139	Dibromomethane	0.37	ug/L	U	8260B	0.37	10	1	1/19/2011	1/28/2011	1/29/2011	591
33-01	3301-Equipment Blank	7440-38-2	14	Arsenic Total	2.80	ug/L	U	6010C	2.80	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-Equipment Blank	75-09-2	140	Methylene chloride	0.53	ug/L	U	8260B	0.53	1	1	1/19/2011	1/28/2011	1/29/2011	591
33-01	3301-Equipment Blank	78-93-3	141	2-Butanone	1.0	ug/L	U	8260B	1.0	100	1	1/19/2011	1/28/2011	1/29/2011	591
33-01	3301-Equipment Blank	74-88-4	142	Iodomethane	0.52	ug/L	U	8260B	0.52	10	1	1/19/2011	1/28/2011	1/29/2011	591
33-01	3301-Equipment Blank	108-10-1	147	4-Methyl-2-pentanone	1.1	ug/L	U	8260B	1.1	100	1	1/19/2011	1/28/2011	1/29/2011	591
33-01	3301-Equipment Blank	7440-39-3	15	Barium Total	1.00	ug/L	U	6010C	1.00	100	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-Equipment Blank	7440-02-0	152	Nickel Total	1.80	ug/L	U	6010C	1.80	50	1	1/19/2011	1/24/2011	1/31/2011	591

33-01	3301-Equipment Blank	71-43-2	16	Benzene	0.20	ug/L	U	8260B	0.20	1	1	1/19/2011	1/28/2011	1/29/2011	591
33-01	3301-Equipment Blank	7782-49-2	183	Selenium Total	0.830	ug/L	U	6020A	0.830	10	1	1/19/2011	1/25/2011	1/28/2011	591
33-01	3301-Equipment Blank	7440-22-4	184	Silver Total	1.90	ug/L	U	6010C	1.90	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-Equipment Blank	100-42-5	186	Styrene	0.26	ug/L	U	8260B	0.26	1	1	1/19/2011	1/28/2011	1/29/2011	591
33-01	3301-Equipment Blank	630-20-6	190	1,1,1,2-Tetrachloroethane	0.40	ug/L	U	8260B	0.40	5	1	1/19/2011	1/28/2011	1/29/2011	591
33-01	3301-Equipment Blank	79-34-5	191	1,1,2,2-Tetrachloroethane	0.33	ug/L	U	8260B	0.33	3	1	1/19/2011	1/28/2011	1/29/2011	591
33-01	3301-Equipment Blank	127-18-4	192	Tetrachloroethene	0.36	ug/L	U	8260B	0.36	1	1	1/19/2011	1/28/2011	1/29/2011	591
33-01	3301-Equipment Blank	7440-28-0	194	Thallium Total	0.110	ug/L	U	6020A	0.110	5.5	1	1/19/2011	1/25/2011	1/28/2011	591
33-01	3301-Equipment Blank	108-88-3	196	Toluene	0.27	ug/L	U	8260B	0.27	1	1	1/19/2011	1/28/2011	1/29/2011	591
33-01	3301-Equipment Blank	71-55-6	200	1,1,1-Trichloroethane	0.27	ug/L	U	8260B	0.27	1	1	1/19/2011	1/28/2011	1/29/2011	591
33-01	3301-Equipment Blank	79-01-6	201	Trichloroethene	0.38	ug/L	U	8260B	0.38	1	1	1/19/2011	1/28/2011	1/29/2011	591
33-01	3301-Equipment Blank	79-00-5	202	1,1,2-Trichloroethane	0.37	ug/L	U	8260B	0.37	1	1	1/19/2011	1/28/2011	1/29/2011	591
33-01	3301-Equipment Blank	75-69-4	203	Trichlorofluoromethane	0.28	ug/L	U	8260B	0.28	1	1	1/19/2011	1/28/2011	1/29/2011	591
33-01	3301-Equipment Blank	96-18-4	206	1,2,3-Trichloropropane	0.55	ug/L	U	8260B	0.55	1	1	1/19/2011	1/28/2011	1/29/2011	591
33-01	3301-Equipment Blank	7440-62-2	209	Vanadium Total	1.40	ug/L	U	6010C	1.40	25	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-Equipment Blank	108-05-4	210	Vinyl acetate	0.98	ug/L	U	8260B	0.98	50	1	1/19/2011	1/28/2011	1/29/2011	591
33-01	3301-Equipment Blank	75-01-4	211	Vinyl chloride	0.30	ug/L	U	8260B	0.30	1	1	1/19/2011	1/28/2011	1/29/2011	591
33-01	3301-Equipment Blank	7440-66-6	213	Zinc Total	3.80	ug/L	U	6010C	3.80	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-Equipment Blank	7440-41-7	23	Beryllium Total	0.100	ug/L	U	6010C	0.100	1	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-Equipment Blank	74-97-5	28	Bromochloromethane	0.42	ug/L	U	8260B	0.42	3	1	1/19/2011	1/28/2011	1/29/2011	591
33-01	3301-Equipment Blank	75-27-4	29	Bromodichloromethane	0.37	ug/L	U	8260B	0.37	1	1	1/19/2011	1/28/2011	1/29/2011	591
33-01	3301-Equipment Blank	67-64-1	3	Acetone	1.5	ug/L	U	8260B	1.5	100	1	1/19/2011	1/28/2011	1/29/2011	591
33-01	3301-Equipment Blank	75-25-2	30	Bromoform	0.71	ug/L	U	8260B	0.71	3	1	1/19/2011	1/28/2011	1/29/2011	591
33-01	3301-Equipment Blank	7440-43-9	34	Cadmium Total	0.360	ug/L	U	6010C	0.360	1	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-Equipment Blank	1330-20-7	346	Xylenes (Total)	0.40	ug/L	U	8260B	0.40	5	1	1/19/2011	1/28/2011	1/29/2011	591
33-01	3301-Equipment Blank	75-15-0	35	Carbon disulfide	0.54	ug/L	U	8260B	0.54	100	1	1/19/2011	1/28/2011	1/29/2011	591
33-01	3301-Equipment Blank	56-23-5	36	Carbon tetrachloride	0.38	ug/L	U	8260B	0.38	1	1	1/19/2011	1/28/2011	1/29/2011	591
33-01	3301-Equipment Blank	108-90-7	39	Chlorobenzene	0.27	ug/L	U	8260B	0.27	3	1	1/19/2011	1/28/2011	1/29/2011	591
33-01	3301-Equipment Blank	75-00-3	41	Chloroethane	0.30	ug/L	U	8260B	0.30	10	1	1/19/2011	1/28/2011	1/29/2011	591
33-01	3301-Equipment Blank	67-66-3	44	Chloroform	0.20	ug/L	U	8260B	0.20	5	1	1/19/2011	1/28/2011	1/29/2011	591
33-01	3301-Equipment Blank	7440-47-3	51	Chromium Total	1.00	ug/L	U	6010C	1.00	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-Equipment Blank	7440-48-4	53	Cobalt Total	1.10	ug/L	U	6010C	1.10	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-Equipment Blank	7440-50-8	54	Copper Total	2.69	ug/L	J	6010C	1.60	10	1	1/19/2011	1/24/2011	1/31/2011	591
33-01	3301-Equipment Blank	124-48-1	66	Dibromochloromethane	0.32	ug/L	U	8260B	0.32	3	1	1/19/2011	1/28/2011	1/29/2011	591
33-01	3301-Equipment Blank	96-12-8	67	1,2-Dibromo-3-chloropropane	0.48	ug/L	U	8260B	0.48	13	1	1/19/2011	1/28/2011	1/29/2011	591
33-01	3301-Equipment Blank	106-93-4	68	1,2-Dibromoethane	0.42	ug/L	U	8260B	0.42	1	1	1/19/2011	1/28/2011	1/29/2011	591
33-01	3301-Equipment Blank	95-50-1	69	1,2-Dichlorobenzene	0.27	ug/L	U	8260B	0.27	5	1	1/19/2011	1/28/2011	1/29/2011	591
33-01	3301-Equipment Blank	106-46-7	71	1,4-Dichlorobenzene	0.38	ug/L	U	8260B	0.38	1	1	1/19/2011	1/28/2011	1/29/2011	591
33-01	3301-Equipment Blank	110-57-6	73	trans-1,4-Dichloro-2-butene	0.54	ug/L	U	8260B	0.54	100	1	1/19/2011	1/28/2011	1/29/2011	591
33-01	3301-Equipment Blank	75-34-3	75	1,1-Dichloroethane	0.33	ug/L	U	8260B	0.33	5	1	1/19/2011	1/28/2011	1/29/2011	591
33-01	3301-Equipment Blank	107-06-2	76	1,2-Dichloroethane	0.65	ug/L	U	8260B	0.65	1	1	1/19/2011	1/28/2011	1/29/2011	591
33-01	3301-Equipment Blank	75-35-4	77	1,1-Dichloroethene	0.24	ug/L	U	8260B	0.24	5	1	1/19/2011	1/28/2011	1/29/2011	591
33-01	3301-Equipment Blank	156-59-2	78	cis-1,2-Dichloroethene	0.36	ug/L	U	8260B	0.36	5	1	1/19/2011	1/28/2011	1/29/2011	591
33-01	3301-Equipment Blank	156-60-5	79	trans-1,2-Dichloroethene	0.34	ug/L	U	8260B	0.34	5	1	1/19/2011	1/28/2011	1/29/2011	591
33-01	3301-Equipment Blank	107-13-1	8	Acrylonitrile	2.1	ug/L	U	8260B	2.1	200	1	1/19/2011	1/28/2011	1/29/2011	591
33-01	3301-Equipment Blank	78-87-5	82	1,2-Dichloropropane	0.20	ug/L	U	8260B	0.20	1	1	1/19/2011	1/28/2011	1/29/2011	591
33-01	3301-Equipment Blank	10061-01-5	86	cis-1,3-Dichloropropene	0.28	ug/L	U	8260B	0.28	1	1	1/19/2011	1/28/2011	1/29/2011	591
33-01	3301-Equipment Blank	10061-02-6	87	trans-1,3-Dichloropropene	0.38	ug/L	U	8260B	0.38	1	1	1/19/2011	1/28/2011	1/29/2011	591
33-01	3301-Trip Blank	100-41-4	110	Ethylbenzene	0.20	ug/L	U	8260B	0.20	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-Trip Blank	591-78-6	124	2-Hexanone	0.69	ug/L	U	8260B	0.69	50	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-Trip Blank	74-83-9	136	Bromomethane	0.49	ug/L	U	8260B	0.49	10	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-Trip Blank	74-87-3	137	Chloromethane	0.34	ug/L	U	8260B	0.34	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-Trip Blank	74-95-3	139	Dibromomethane	0.37	ug/L	U	8260B	0.37	10	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-Trip Blank	75-09-2	140	Methylene chloride	0.53	ug/L	U	8260B	0.53	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-Trip Blank	78-93-3	141	2-Butanone	1.0	ug/L	U	8260B	1.0	100	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-Trip Blank	74-88-4	142	Iodomethane	0.52	ug/L	U	8260B	0.52	10	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-Trip Blank	108-10-1	147	4-Methyl-2-pentanone	1.1	ug/L	U	8260B	1.1	100	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-Trip Blank	71-43-2	16	Benzene	0.20	ug/L	U	8260B	0.20	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-Trip Blank	100-42-5	186	Styrene	0.26	ug/L	U	8260B	0.26	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-Trip Blank	630-20-6	190	1,1,1,2-Tetrachloroethane	0.40	ug/L	U	8260B	0.40	5	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-Trip Blank	79-34-5	191	1,1,2,2-Tetrachloroethane	0.33	ug/L	U	8260B	0.33	3	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-Trip Blank	127-18-4	192	Tetrachloroethene	0.36	ug/L	U	8260B	0.36	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-Trip Blank	108-88-3	196	Toluene	0.27	ug/L	U	8260B	0.27	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-Trip Blank	71-55-6	200	1,1,1-Trichloroethane	0.27	ug/L	U	8260B	0.27	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-Trip Blank	79-01-6	201	Trichloroethene	0.38	ug/L	U	8260B	0.38	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-Trip Blank	79-00-5	202	1,1,2-Trichloroethane	0.37	ug/L	U	8260B	0.37	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-Trip Blank	75-69-4	203	Trichlorofluoromethane	0.28	ug/L	U	8260B	0.28	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-Trip Blank	96-18-4	206	1,2,3-Trichloropropane	0.55	ug/L	U	8260B	0.55	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-Trip Blank	108-05-4	210	Vinyl acetate	0.98	ug/L	U	8260B	0.98	50	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-Trip Blank	75-01-4	211	Vinyl chloride	0.30	ug/L	U	8260B	0.30	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-Trip Blank	74-97-5	28	Bromochloromethane	0.42	ug/L	U	8260B	0.42	3	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-Trip Blank	75-27-4	29	Bromodichloromethane	0.37	ug/L	U	8260B	0.37	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-Trip Blank	67-64-1	3	Acetone	1.5	ug/L	U	8260B	1.5	100	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-Trip Blank	75-25-2	30	Bromoform	0.71	ug/L	U	8260B	0.71	3	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-Trip Blank	1330-20-7	346	Xylenes (Total)	0.40	ug/L	U	8260B	0.40	5	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-Trip Blank	75-15-0	35	Carbon disulfide	0.54	ug/L	U	8260B	0.54	100	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-Trip Blank	56-23-5	36	Carbon tetrachloride	0.38	ug/L	U	8260B	0.38	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-Trip Blank	108-90-7	39	Chlorobenzene	0.27	ug/L	U	8260B	0.27	3	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-Trip Blank	75-00-3	41	Chloroethane	0.30	ug/L	U	8260B	0.30	10	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-Trip Blank	67-66-3	44	Chloroform	0.20	ug/L	U	8260B	0.20	5	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-Trip Blank	124-48-1	66	Dibromochloromethane	0.32	ug/L	U	8260B	0.32	3	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-Trip Blank	96-12-8	67	1,2-Dibromo-3-chloropropane	0.48	ug/L	U	8260B	0.48	13	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-Trip Blank	106-93-4	68	1,2-Dibromoethane	0.42	ug/L	U	8260B	0.42	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-Trip Blank	95-50-1	69	1,2-Dichlorobenzene	0.27	ug/L	U	8260B	0.27	5	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-Trip Blank	106-46-7	71	1,4-Dichlorobenzene	0.38	ug/L	U	8260B	0.38	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-Trip Blank	110-57-6	73	trans-1,4-Dichloro-2-butene	0.54	ug/L	U	8260B	0.54	100	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-Trip Blank	75-34-3	75	1,1-Dichloroethane	0.33	ug/L	U	8260B	0.33	5	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-Trip Blank	107-06-2	76	1,2-Dichloroethane	0.65	ug/L	U	8260B	0.65	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-Trip Blank	75-35-4	77	1,1-Dichloroethene	0.24	ug/L	U	8260B	0.24	5	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-Trip Blank	156-59-2	78	cis-1,2-Dichloroethene	0.36	ug/L	U	8260B	0.36	5	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-Trip Blank	156-60-5	79	trans-1,2-Dichloroethene	0.34	ug/L	U	8260B	0.34	5	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-Trip Blank	107-13-1	8	Acrylonitrile	2.1	ug/L	U	8260B	2.1	200	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-Trip Blank	78-87-5	82	1,2-Dichloropropane	0.20	ug/L	U	8260B	0.20	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-Trip Blank	10061-01-5	86	cis-1,3-Dichloropropene	0.28	ug/L	U	8260B	0.28	1	1	1/18/2011	1/21/2011	1/22/2011	591
33-01	3301-Trip Blank	10061-02-6	87	trans-1,3-Dichloropropene	0.38	ug/L	U	8260B	0.38	1	1	1/18/2011	1/21/2011	1/22/2011	591

NOTES:

NM = Not Measured
U = Compound detected below laboratory method detection limit.
J = Analyte detected, but below the laboratory reporting limit therefore the result is an estimated concentration.
D = The sample was analyzed at dilution.
ft. = feet
TOC = Top of Casing; TOC elevations from site survey.
AMSL = Above Mean Sea Level
(A or B) = Replacement Well
mS/cm = microsiemens/centimeter
ºC = Degrees Celcius
NTUs = Nephelometric Turbidity Units
nM = Nanomolar
mg/L = Milligrams per Liter
ug/L = micrograms per liter
MDL = Method Detection Limit
SWSL = Solid Waste Section Limit. (ref. NC DENR-DWM, Solid Waste Section February 23, 2007 memorandum)
Blank entries indicate not applicable.

Table 2
Groundwater Quality Summary
Edgecombe County Landfill
January 18-19, 2011 Sampling Event
S&ME Project No. 1054-07-238C

APPENDIX I VOCs EPA METHOD 8260B	UNITS	2L STANDARD	BACKGROUND MONITOR WELLS			COMPLIANCE MONITOR WELLS								QUALITY CONTROL			SURFACE WATER SAMPLING LOCATION		SWSL	DAF Computation
			MW-3B	MW-4	MW-9	MW-5	MW-6	MW-7A	MW-12	MW-13	MW-14	MW-15	MW-16	DUPLICATE (MW-13)	EQUIPMENT BLANK	TRIP BLANK	UPSTREAM	DOWNSTREAM		
Benzene	µg/l	1	<0.20	<0.20	<0.20	<2.0D	<0.20	**1.8**	**2.6**	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	1	NA
Chlorobenzene	µg/l	50	<0.27	<0.27	<0.27	**14D**	<0.27	**3.3**	**4.1**	**8.7**	<0.27	**1.2J**	<0.27	**8.9**	<0.27	<0.27	<0.27	<0.27	3	NA
Chloroethane	µg/l	3,000	<0.30	<0.30	<0.30	<3.0D	<0.30	<0.30	**0.93J**	<0.30	<0.30	<0.30	<0.30	**0.43J**	<0.30	<0.30	<0.30	<0.30	10	NA
1,4-Dichlorobenzene	µg/l	6	<0.38	<0.38	<0.38	**9.3JD**	<0.38	**1.3**	**5.8**	**2.3**	<0.38	<0.38	<0.38	**2.2**	<0.38	<0.38	<0.38	<0.38	1	NA
1,1-Dichloroethane	µg/l	6	<0.33	<0.33	<0.33	**6.2JD**	<0.33	<0.33	**1.2J**	**0.51J**	<0.33	**0.59J**	<0.33	**0.56J**	<0.33	<0.33	<0.33	<0.33	5	NA
cis-1,2-Dichloroethene	µg/l	70	<0.36	<0.36	<0.36	**470D**	<0.36	**0.54J**	**1.1J**	**18**	<0.36	**14**	<0.36	**19**	<0.36	<0.36	<0.36	<0.36	5	NA
trans-1,2-Dichloroethene	µg/l	100	<0.34	<0.34	<0.34	<3.4D	<0.34	<0.34	<0.34	<0.34	<0.34	**0.67J**	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	5	NA
1,2-Dichloropropane	µg/l	0.6	<0.20	<0.20	<0.20	<2.0D	<0.20	<0.20	<0.20	<0.20	<0.20	**1.6**	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	1	NA
Methylene chloride	µg/l	5	<0.53	<0.53	<0.53	<5.3D	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53	<0.53	1	NA
Trichloroethene	µg/l	3	<0.38	<0.38	<0.38	<3.8D	<0.38	<0.38	<0.38	**0.59J**	<0.38	<0.38	<0.38	**0.57J**	<0.38	<0.38	<0.38	<0.38	1	NA
Vinyl chloride	µg/l	0.03	<0.30	<0.30	<0.30	**27D**	<0.30	<0.30	<0.30	**1.0**	<0.30	**1.9**	<0.30	**0.94J**	<0.30	<0.30	<0.30	<0.30	1	NA
APP. I INORGANIC COMPOUNDS EPA METHOD 6010B	**UNITS**	**2L STANDARD**	**BACKGROUND MONITOR**			**COMPLIANCE MONITOR WELLS**								**QUALITY CONTROL**			**SURFACE WATER SAMPLING**		**SWSL**	**DAF Computation**
			MW-3B	**MW-4**	**MW-9**	**MW-5**	**MW-6**	**MW-7A**	**MW-12**	**MW-13**	**MW-14**	**MW-15**	**MW-16**	**DUPLICATE (MW-13)**	**EQUIPMENT BLANK**	**TRIP BLANK**	**UPSTREAM**	**DOWNSTREAM**		
Antimony (Total)	µg/l	1*	<0.220	**0.673J**	<0.220	**0.600J**	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	NS	<0.220	<0.220	6	NA
Antimony (Dissolved)	µg/l		NS	NS	<0.220	NS	NS	<0.220	<0.220	<0.220	NS	<0.220	NS	NS	NS	NS	NS	NS		
Arsenic (Total)	µg/l	10	<2.80	<2.80	<2.80	**9.89J**	<2.80	**16**	<2.80	<2.80	<2.80	<2.80	<2.80	<2.80	<2.80	NS	<2.80	<2.80	10	200
Arsenic (Dissolved)	µg/l		NS	NS	<2.80	NS	NS	<2.80	<2.80	<2.80	NS	<2.80	NS	NS	NS	NS	NS	NS		
Barium (Total)	µg/l	700	**113**	**75J**	**190**	**231**	**84J**	**176**	**303**	**217**	**245**	**395**	**315**	**216**	<1.0	NS	**72.9J**	**70.6J**	100	118
Barium (Dissolved)	µg/l		NS	NS	**91.4J**	NS	NS	**143**	**287**	**189**	NS	**247**	NS	NS	NS	NS	NS	NS		
Beryllium (Total)	µg/l	4*	**1.49**	<0.100	<0.100	<0.100	**0.231J**	<0.100	**0.420J**	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	NS	<0.100	<0.100	1	17
Beryllium (Dissolved)	µg/l		NS	NS	<0.100	NS	NS	<0.100	**0.373J**	<0.100	NS	<0.100	NS	NS	NS	NS	NS	NS		
Cadmium (Total)	µg/l	2	**0.599J**	<0.360	<0.360	<0.360	<0.360	<0.360	<0.360	<0.360	<0.360	<0.360	<0.360	<0.360	<0.360	NS	<0.360	<0.360	1	20
Cadmium (Dissolved)	µg/l		NS	NS	<0.360	NS	NS	<0.360	<0.360	<0.360	NS	<0.360	NS	NS	NS	NS	NS	NS		
Cobalt (Total)	µg/l	1*	**26.4**	<1.10	<1.10	**177**	**8.63J**	<1.10	**13.5**	**1,400**	<1.10	**13.5**	**1.86J**	**1,410**	<1.10	NS	**1.25J**	**4.88J**	10	410
Cobalt (Dissolved)	µg/l		NS	NS	<1.10	NS	NS	<1.10	**12.6**	**1,340**	NS	**13.8**	NS	NS	NS	NS	NS	NS		
Copper (Total)	µg/l	1,000	<1.60	**2.13J**	<1.60	**7.55J**	<1.60	**10.1**	**3.53J**	**2.28J**	<1.60	**3.39J**	<1.60	**2.32J**	**2.69J**	NS	**2.81J**	**1.65J**	10	210
Copper (Dissolved)	µg/l		NS	NS	<1.60	NS	NS	**4.99J**	<1.60	<1.60	NS	<1.60	NS	NS	NS	NS	NS	NS		
Lead (Total)	µg/l	15	<1.90	<1.90	<1.90	<1.90	<1.90	<1.90	<1.90	**3.87J**	<1.90	<1.90	<1.90	**4.13J**	<1.90	NS	<1.90	<1.90	10	360
Lead (Dissolved)	µg/l		NS	NS	<1.90	NS	NS	<1.90	<1.90	**3.36J**	NS	<1.90	NS	NS	NS	NS	NS	NS		
Nickel (Total)	µg/l	100	**29.7J**	<1.80	<1.80	**49.7J**	**6.49J**	<1.80	**22.2J**	**306**	<1.80	**13J**	**2.76J**	**308**	<1.80	NS	<1.80	**4.96J**	50	230
Nickel (Dissolved)	µg/l		NS	NS	<1.80	NS	NS	<1.80	**20.4J**	**289**	NS	**12.5J**	NS	NS	NS	NS	NS	NS		
Selenium (Total)	µg/l	20	<0.830	<0.830	<0.830	**0.855J**	**0.953J**	**1.14J**	**8.83J**	**6.24J**	<0.830	**0.892J**	**1.41J**	**6.75J**	<0.830	NS	<0.830	<0.830	10	80
Selenium (Dissolved)	µg/l		NS	NS	<0.830	NS	NS	**2.03J**	**9.14J**	**7.64J**	NS	**2.19J**	NS	NS	NS	NS	NS	NS		
Silver (Total)	µg/l	20	<1.90	<1.90	<1.90	**6.47J**	<1.90	<1.90	<1.90	**8.87J**	<1.90	**2.94J**	<1.90	**8.57J**	<1.90	NS	<1.90	<1.90	10	NA
Silver (Dissolved)	µg/l		NS	NS	<1.90	NS	NS	<1.90	<1.90	**8.15J**	NS	**2.95J**	NS	NS	NS	NS	NS	NS		
Thallium (Total)	µg/l	0.28*	**0.127J**	<0.110	<0.110	<0.110	<0.110	<0.110	**0.139J**	**0.748J**	<0.110	<0.110	<0.110	**0.754J**	<0.110	NS	<0.110	<0.110	5.5	5
Thallium (Dissolved)	µg/l		NS	NS	<0.110	NS	NS	<0.110	**0.155J**	**0.718J**	NS	<0.110	NS	NS	NS	NS	NS	NS		
Vanadium (Total)	µg/l	0.3*	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	<1.40	NS	<1.40	<1.40	25	670
Vanadium (Dissolved)	µg/l		NS	NS	<1.40	NS	NS	<1.40	<1.40	<1.40	NS	<1.40	NS	NS	NS	NS	NS	NS		
Zinc (Total)	µg/l	1,000	**56**	<3.80	<3.80	**61.1**	**25.8**	<3.80	**149**	**153**	<3.80	**4.22J**	<3.80	**158**	<3.80	NS	**14.7**	**14.1**	10	430
Zinc (Dissolved)	µg/l		NS	NS	<3.80	NS	NS	<3.80	**132**	**144**	NS	<3.80	NS	NS	NS	NS	NS	NS		

NOTES:
Samples were collected on January 18-19, 2011 and analyzed by Environmental Conservation Laboratories, Inc. (ENCO). 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.
DAF Comuptation = Dilution/Attenuation Factor Computation (ref. S&ME Alternate Source Demonstration, June 2008).
2L STANDARD = North Carolina groundwater standards as promulgated by 15A North Carolina Administrative Code, Subchapter 2L.
SWSL = Solid Waste Section Limit. (ref. NCDENR-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.
D = The sample was analyzed at dilution.
NS = Not Sampled for this parameter.
µg/L = Micrograms Per Liter
VOCs = Volatile Organic Compounds
Duplicate sample collected from monitor well MW-13.
Appendix I compounds not shown were not detected during this sampling event. See **Appendix I** of the report for laboratory reports.

Table 3
Geochemical / MNA Constituent Summary
Edgecombe County Landfill
January 18-19, 2011 Sampling Event
S&ME Project No. 1054-07-238C

MONITORED NATURAL ATTENUATION PARAMETERS*	UNITS	BACKGROUND MONITOR WELLS			COMPLIANCE MONITOR WELLS							
		MW-3B	MW-4	MW-9	MW-5	MW-6	MW-7A	MW-12	MW-13	MW-14	MW-15	MW-16
ph**	Std	3.22	5.53	6.79	5.81	5.01	5.75	4.24	5.34	6.12	6.12	5.74
Temperature**	^{o}C	13.00	9.57	12.56	15.94	11.13	15.26	12.27	15.03	10.14	11.16	13.05
Specific Conductance**	mS/cm	0.225	0.134	0.199	1.063	0.439	0.899	0.803	0.966	0.437	0.819	0.617
Oxygen Reduction Potential ORP**	mV	34.0	45.6	50.8	96.5	76.7	82.3	42.3	49.5	171.3	78.0	176.1
Dissolved Oxygen**	mg/L	0.72	4.05	1.56	0.55	1.11	1.36	1.18	0.42	0.41	0.73	0.61
Chloride	mg/L	27	7.4	3.6J	10	77	34	180D	110D	18	15	24
Sulfate	mg/L	42J	21J	3.3J	38J	46J	3.1J	64J	38J	52J	7.9J	2.9J
Alkalinity	mg/L	<8.0	22	95	410D	37	140	10J	240D	140	410D	200D
Biochemical Oxygen Demand (BOD)	mg/L	<2.0	<2.0	<2.0	<2.0	<2.0	10	<2.0	<2.0	2.3	<2.0	<2.0
Chemical Oxygen Demand (COD)	mg/L	12	16	7.5J	77	18	44	40	100	16	33	48
TOC (Total Organic Carbon)	mg/L	0.530J	2.80	0.410J	3.60	2.60	3.80	8.20	7.40	3.70	3.60	12
Nitrate as N	mg/L	0.034J	0.560J	<0.025	0.030J	0.035J	0.047J	<0.025	<0.025	0.070J	0.062J	0.081J
Sulfide	mg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.10	<0.010	<0.010	0.083J	<0.010	0.075J
Total Dissolved Solids (TDS)	mg/L	86	40	110	550	240	350	410	490	220	400	310
Iron	mg/L	4.91	0.603	5.38	115	2.35	237	9.47	28.1	5.81	22.60	52.20
Manganese	mg/L	0.0938	0.0141J	0.0646	35D	0.504	0.440	0.121	42.6D	0.184	11.10	0.415
Carbon Dioxide	mg/L	36.8	84.2	11.3	370D	172	681D	556D	498D	105	296D	34
Ethane	mg/L	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015
Ethene	mg/L	<0.0016	<0.0016	<0.0016	<0.0016	<0.0016	<0.0016	<0.0016	<0.0016	<0.0016	<0.0016	<0.0016
Methane	mg/L	<0.00049	<0.00049	<0.00049	0.327	0.00998	2.78	<0.00049	0.0349	0.0643	0.414	6.87
Acetic Acid (Volatile Fatty Acid)***	mg/L	<0.083	<0.083	<0.083	<0.083	<0.083	<0.083	2.1	4.3	<0.083	<0.083	<0.083
Hydrogen	nM	<0.600	1.50	<0.600	0.630	<0.600	0.780	0.690	2.300	0.670	<0.600	0.650

NOTES:
Samples were collected on January 18-19, 2011 and analyzed by Environmental Conservation Laboratories, Inc. (ENCO) or Microseeps, Inc. (Hydrogen Only). Detection limits are shown on laboratory reports.
Values which are **BOLD** indicate levels above laboratory detection limits.
* Several methods were used in the laboratory analysis for the geochemical parameters. These methods are listed in the laboratory report in **Appendix I** of the report.
** Parameter analyzed in the field by S&ME personnel. All other parameters analyzed by North Carolina certified laboratories (see **Appendix I** of this report).
***Groundwater samples were analyzed for several additional volatile fatty acids. No additional volatile fatty acids were detected in the groundwater samples.
J = Analyte detected, but below the laboratory reporting limit therefore the result is an estimated concentration.
D = The sample was analyzed at dilution.
Std = Standard Units
^{o}C = Degrees Celsius
mS/cm = Microsiemens per Centimeter
mV = Millivolt
mg/L = Millograms Per Liter
nM = Nanomolar

Table 4
Non-Detected Results Used to Select Statistical Tests
Laboratory Analytical Data from September 1994 to January 2011
Edgecombe County Landfill
S&ME Project No. 1054-07-238C

Parameters	Number of Detected Values	Total Number of Values	Number of NDs	Percent NDs	Selected Test
Appendix I Volatile Organic Compounds					
Benzene	44	244	200	82%	WRST
Chlorobenzene	53	244	191	78%	WRST
Chloroethane	31	244	213	87%	WRST
1,4-Dichlorobenzene	40	244	204	84%	WRST
1,1-Dichloroethane	58	244	186	76%	WRST
cis-1,2-Dichloroethene	62	244	182	75%	WRST
trans-1,2-Dichloroethene	26	244	218	89%	WRST
1,2-Dichloropropane	8	244	236	97%	WRST
Methylene Chloride	5	244	239	98%	WRST
Tetrachloroethene	21	244	223	91%	WRST
Trichloroethene	35	244	209	86%	WRST
Vinyl chloride	46	244	198	81%	WRST
Appendix I Inorganic Compounds					
Antimony	12	192	180	94%	WRST
Barium	54	205	151	74%	WRST
Cobalt	100	242	142	59%	WRST
Nickel	42	205	163	80%	WRST
Silver	13	205	192	94%	WRST

Notes:
1. NDs = Non-detected Results
2. WRST = Wilcoxon Rank Sum Test

Table 5
Summary of Statistical Analyses
Wilcoxon Rank Sum Test (Interwell Comparisons)
Laboratory Analytical Data January 1994 to January 2011
Edgecombe County Landfill
S&ME Project No. 1054-07-238C

Parameters	Evidence of Release MW-5	Evidence of Release MW-6	Evidence of Release MW-7A	Evidence of Release MW-12	Evidence of Release MW-13	Evidence of Release MW-14	Evidence of Release MW-15	Evidence of Release MW-16
Appendix I Volatile Organic Compounds								
Benzene	**YES**	no	**YES**	**YES**	**YES**	no	**YES**	no
Chlorobenzene	**YES**	no	**YES**	**YES**	**YES**	no	**YES**	no
Chloroethane	**YES**	no	**YES**	**YES**	**YES**	no	**YES**	no
1,4-Dichlorobenzene	**YES**	no	**YES**	**YES**	**YES**	no	no	no
1,1-Dichloroethane	**YES**	**YES**	no	**YES**	**YES**	no	**YES**	no
cis-1,2-Dichloroethene	**YES**	**YES**	**YES**	**YES**	**YES**	no	**YES**	no
trans-1,2-Dichloroethene	**YES**	no	no	no	**YES**	no	**YES**	no
1,2-Dichloropropane	**YES**	no	no	no	no	no	**YES**	no
Methylene chloride	**YES**	no	no	no	no	no	no	no
Tetrachloroethene	**YES**	no	no	no	no	no	no	no
Trichloroethene	**YES**	no	no	no	**YES**	no	**YES**	no
Vinyl chloride	**YES**	no	**YES**	**YES**	**YES**	no	**YES**	no
Appendix I Inorganic Compounds								
Antimony	no	no	no	no	no	no	no	no
Barium	no	no	no	**YES**	**YES**	**YES**	**YES**	**YES**
Cobalt	**YES**	no	no	**YES**	**YES**	no	**YES**	no
Nickel	**YES**	no	no	**YES**	**YES**	no	**YES**	no
Silver	**YES**	no	**YES**	no	**YES**	no	**YES**	no

Notes:

1. Tests compared at the 1% significance level.
2. Statistcal analysis of data was performed using the ChemStat® statistical software by Starpoint Software.

Table 6
Two-Way Test of Proportions
Non-Parametric Comparison of 95% Confidence Level to Applicable Standard
September 1994 to January 2011
Edgecombe County Landfill
S&ME Project No. 1054-07-238C

Parameters	Applicable Groundwater Quality Standard (µg/l)	Significant Evidence of Contamination at the 95% CL
Appendix I Volatile Organic Compounds		
Benzene	**1**	**YES**
Chlorobenzene	50	no
Chloroethane	3,000	no
1,4-Dichlorobenzene	**6**	**YES**
1,1-Dichloroethane	**6**	**YES**
cis-1,2-Dichloroethene	**70**	**YES**
trans-1,2-Dichloroethene	100	no
1,2-Dichloropropane	0.6	no
Methylene chloride	**5**	**YES**
Tetrachloroethene	0.7	no
Trichloroethene	**3**	**YES**
Vinyl chloride	**0.03**	**YES**
Appendix I Inorganic Compounds		
Antimony	1*	no
Barium	700	no
Cobalt	1*	no
Nickel	**100**	**YES**
Silver	20	no

Notes:
1. CL = Confidence Level
2. Statistcal analysis of data was performed using the ChemStat® statistical software by Starpoint Software.
3. 2L STANDARD = North Carolina groundwater standards as promulgated by 15A North Carolina Administrative Code, Subchapter 2L.
4. *Indicates there is currently no 2L Standard. The target analyte was compared to the Solid Waste Groundwater Protection Standard (GWPST).

Table 7
Trend Analyses (Mann-Kendall Trend Analyses / Sen's Slope Analyses)
for Significant Findings 1994 thru January 2011
Edgecombe County Landfill
S&ME Project No. 1054-07-238C

Parameters	MW-5	MW-6	MW-7A	MW-12	MW-13	MW-14	MW-15	MW-16
Appendix I Volatile Organic Compounds								
Benzene	**No Trend / Downward Trend**	NA	No Trend / No Trend	No Trend / No Trend	No Trend / No Trend	NA	No Trend / No Trend	NA
1,4-Dichlorobenzene	No Trend / No Trend	NA	No Trend / No Trend	No Trend / No Trend	No Trend / No Trend	NA	NA	NA
1,1-Dichloroethane	**No Trend / Downward Trend**	No Trend / No Trend	NA	**No Trend / Downward Trend**	No Trend / No Trend	NA	**No Trend / Downward Trend**	NA
cis-1,2-Dichloroethene	**Upward Trend / Upward Trend**	No Trend / No Trend	No Trend / No Trend	No Trend / No Trend	No Trend / No Trend	NA	**No Trend / Downward Trend**	NA
Methylene chloride	No Trend / No Trend	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	**No Trend / Downward Trend**	NA	NA	NA	No Trend / No Trend	NA	No Trend / No Trend	NA
Vinyl chloride	No Trend / No Trend	NA	No Trend / No Trend	No Trend / No Trend	No Trend / No Trend	NA	No Trend / No Trend	NA
Appendix I Inorganic Compound								
Cobalt	**Upward Trend / Upward Trend**	NA	NA	No Trend / No Trend	No Trend / No Trend	NA	No Trend / No Trend	NA
Nickel	**No Trend / Downward Trend**	NA	NA	--	--	NA	--	NA

Notes:
1. NA = not analyzed b/c 95%UPL did not exceed applicable groundwater standard.
2. -- = insufficient number of data points to run analyses.
3. Data analysis was performed using the ChemStat® statistical software by Starpoint Software.

APPENDIX I

(REPORT OF LABORATORY ANALYSES)

Client Name: S & ME
Contact: Michelle Logut
Address: 3201 Spring Forest Road
Raleigh, NC 27616

Lab Proj #: P1101233
Report Date: 02/04/11
Client Proj Name: 1054-07-238C
Client Proj #: 1054-07-238C

Laboratory Results

Total pages in data package: 13

Lab Sample #	Client Sample ID
P1101233-01	MW-4
P1101233-02	MW-3B
P1101233-03	MW-9
P1101233-04	MW-16
P1101233-05	MW-14
P1101233-06	MW-6
P1101233-07	MW-15
P1101233-08	MW-7A
P1101233-09	MW-12
P1101233-10	MW-13
P1101233-11	MW-5

Microseeps test results meet all the requirements of the NELAC standards or provide reasons and/or justification if they do not.

Approved By: Debbie Hallo ***Date:*** 2-4-11

Project Manager: Debbie Hallo

The analytical results reported here are reliable and usable to the precision expressed in this report. As required by some regulating authorities, a full discussion of the uncertainty in our analytical results can be obtained at our web site or through customer service. Unless otherwise specified, all results are reported on a wet weight basis.

As a valued client we would appreciate your comments on our service.
Please call customer service at (412)826-5245 or email customerservice@microseeps.com.

Case Narrative:

Client Name: S & ME
Contact: Michelle Logut
Address: 3201 Spring Forest Road
Raleigh, NC 27616

Lab Proj #: P1101233
Report Date: 02/04/11
Client Proj Name: 1054-07-238C
Client Proj #: 1054-07-238C

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
MW-4	Vapor	P1101233-01	18 Jan. 11 10:24	24 Jan. 11 11:23

Analyte(s)	Result	PQL	Units	Method #	Analysis Date	By
RiskAnalysis						
N Hydrogen	1.500	0.6	nM	AM20GAX	2/1/11	gt

N - NELAC certified analysis
PA02-00538

Client Name: S & ME
Contact: Michelle Logut
Address: 3201 Spring Forest Road
Raleigh, NC 27616

Lab Proj #: P1101233
Report Date: 02/04/11
Client Proj Name: 1054-07-238C
Client Proj #: 1054-07-238C

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
MW-3B	Vapor	P1101233-02	18 Jan. 11 11:22	24 Jan. 11 11:23

Analyte(s)	Result	PQL	Units	Method #	Analysis Date	By
RiskAnalysis						
N Hydrogen	<0.6	0.6	nM	AM20GAX	2/1/11	gt

N - NELAC certified analysis
PA02-00538

Client Name: S & ME
Contact: Michelle Logut
Address: 3201 Spring Forest Road
Raleigh, NC 27616

Lab Proj #: P1101233
Report Date: 02/04/11
Client Proj Name: 1054-07-238C
Client Proj #: 1054-07-238C

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
MW-9	Vapor	P1101233-03	18 Jan. 11 12:20	24 Jan. 11 11:23

Analyte(s)	Result	PQL	Units	Method #	Analysis Date	By
RiskAnalysis						
N Hydrogen	<0.6	0.6	nM	AM20GAX	2/1/11	gt

N - NELAC certified analysis
PA02-00538

Client Name: S & ME
Contact: Michelle Logut
Address: 3201 Spring Forest Road
Raleigh, NC 27616

Lab Proj #: P1101233
Report Date: 02/04/11
Client Proj Name: 1054-07-238C
Client Proj #: 1054-07-238C

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
MW-16	Vapor	P1101233-04	18 Jan. 11 15:32	24 Jan. 11 11:23

Analyte(s)	Result	PQL	Units	Method #	Analysis Date	By
RiskAnalysis						
N Hydrogen	0.650	0.6	nM	AM20GAX	2/1/11	gt

N - NELAC certified analysis
PA02-00538

Client Name: S & ME
Contact: Michelle Logut
Address: 3201 Spring Forest Road
Raleigh, NC 27616

Lab Proj #: P1101233
Report Date: 02/04/11
Client Proj Name: 1054-07-238C
Client Proj #: 1054-07-238C

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
MW-14	Vapor	P1101233-05	18 Jan. 11 16:42	24 Jan. 11 11:23

Analyte(s)	Result	PQL	Units	Method #	Analysis Date	By
RiskAnalysis						
N Hydrogen	0.670	0.6	nM	AM20GAX	2/1/11	gt

N - NELAC certified analysis
PA02-00538

Client Name: S & ME
Contact: Michelle Logut
Address: 3201 Spring Forest Road
Raleigh, NC 27616

Lab Proj #: P1101233
Report Date: 02/04/11
Client Proj Name: 1054-07-238C
Client Proj #: 1054-07-238C

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
MW-6	Vapor	P1101233-06	18 Jan. 11 17:38	24 Jan. 11 11:23

Analyte(s)	Result	PQL	Units	Method #	Analysis Date	By
RiskAnalysis						
N Hydrogen	<0.6	0.6	nM	AM20GAX	2/1/11	gt

N - NELAC certified analysis
PA02-00538

Client Name: S & ME
Contact: Michelle Logut
Address: 3201 Spring Forest Road
Raleigh, NC 27616

Lab Proj #: P1101233
Report Date: 02/04/11
Client Proj Name: 1054-07-238C
Client Proj #: 1054-07-238C

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
MW-15	Vapor	P1101233-07	19 Jan. 11 9:55	24 Jan. 11 11:23

Analyte(s)	Result	PQL	Units	Method #	Analysis Date	By
RiskAnalysis						
N Hydrogen	<0.600	0.600	nM	AM20GAX	2/2/11	gt

N - NELAC certified analysis
PA02-00538

Client Name: S & ME
Contact: Michelle Logut
Address: 3201 Spring Forest Road
Raleigh, NC 27616

Lab Proj #: P1101233
Report Date: 02/04/11
Client Proj Name: 1054-07-238C
Client Proj #: 1054-07-238C

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
MW-7A	Vapor	P1101233-08	19 Jan. 11 11:20	24 Jan. 11 11:23

Analyte(s)	Result	PQL	Units	Method #	Analysis Date	By
RiskAnalysis						
N Hydrogen	0.780	0.600	nM	AM20GAX	2/2/11	gt

N - NELAC certified analysis
PA02-00538

Client Name: S & ME
Contact: Michelle Logut
Address: 3201 Spring Forest Road
Raleigh, NC 27616

Lab Proj #: P1101233
Report Date: 02/04/11
Client Proj Name: 1054-07-238C
Client Proj #: 1054-07-238C

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
MW-12	Vapor	P1101233-09	19 Jan. 11 12:29	24 Jan. 11 11:23

Analyte(s)	Result	PQL	Units	Method #	Analysis Date	By
RiskAnalysis						
N Hydrogen	0.690	0.600	nM	AM20GAX	2/2/11	gt

N - NELAC certified analysis
PA02-00538

Client Name: S & ME
Contact: Michelle Logut
Address: 3201 Spring Forest Road
Raleigh, NC 27616

Lab Proj #: P1101233
Report Date: 02/04/11
Client Proj Name: 1054-07-238C
Client Proj #: 1054-07-238C

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
MW-13	Vapor	P1101233-10	19 Jan. 11 14:30	24 Jan. 11 11:23

Analyte(s)	Result	PQL	Units	Method #	Analysis Date	By
RiskAnalysis						
N Hydrogen	2.300	1.200	nM	AM20GAX	2/2/11	gt

N - NELAC certified analysis
PA02-00538

Client Name: S & ME
Contact: Michelle Logut
Address: 3201 Spring Forest Road
Raleigh, NC 27616

Lab Proj #: P1101233
Report Date: 02/04/11
Client Proj Name: 1054-07-238C
Client Proj #: 1054-07-238C

Sample Description	Matrix	Lab Sample #	Sampled Date/Time	Received
MW-5	Vapor	P1101233-11	19 Jan. 11 15:34	24 Jan. 11 11:23

Analyte(s)	Result	PQL	Units	Method #	Analysis Date	By
RiskAnalysis						
N Hydrogen	0.630	0.600	nM	AM20GAX	2/2/11	gt

N - NELAC certified analysis
PA02-00538

Microseeps Lab. Proj. # P1101233

CHAIN - OF - CUSTODY RECORD

Microseeps COC cont. # 69

Phone: (412) 826-5245 | Microseeps, Inc. - 220 William Pitt Way - Pittsburgh, PA 15238 | Fax No. : (412) 826-3433

Company : S&ME, INC.

Co. Address : 3201 SPRING FOREST RD, RALEIGH NC

Phone # : 919-872-2660 Fax # : 919-876-3958

Proj. Manager : MICHELLE LOGUT

Proj. Name/Number : EDGECOMBE COUNTY LANDFILL / 1554-07-238C

Sampler's signature : Michelle Logut

Cooler Temp.

Results to : MLOGUT@SMEINC.COM

Invoice to : MLOGUT@SMEINC.COM

Parameters Requested

Sample ID	Sample Description	Sample Type Water	Vapor	Solid	Date	Time	# Cont.	HYDROGEN										Remarks :
MW-4	VAPOR - BUBBLE SAMPLER		X		1/18/11	10:24	1	X										
MW-3R			X			11:22	1	X										
MW-9			X			12:30	1	X										
MW-16			X			15:32	1	X										
MW-14			X			16:42	1	X										
MW-6			X			17:38	1	X										
MW-15			X		1/19/11	09:55	1	X										
MW-7A			X			11:20	1	X										
MW-12			X			12:29	1	X										
MW-13			X			14:30	1	X										
MW-5			X			15:34	1	X										

Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
Michelle Logut	S&ME, INC.	1/20/11	11:30			1/21	1100
Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :
Relinquished by :	Company :	Date :	Time :	Received by :	Company :	Date :	Time :

WHITE COPY : Accompany Samples YELLOW COPY : Laboratory File PINK COPY : Submitter

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

Friday, February 11, 2011

S&ME, Inc. (SM001)

Attn: Michelle Logut

3201 Spring Forest Road

Raleigh, NC 27616

RE: Laboratory Results for
Project Number: 1054-07-238B, Project Name/Desc: Edgecombe County Landfill - Jan
ENCO Workorder: C100236

Dear Michelle Logut,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Wednesday, January 19, 2011.

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

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Cary. Data from outside organizations will be reported under separate cover.

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

Sincerely,

Chuck Smith

Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 156.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: 3301-MW3B **Lab ID: C100236-01** **Sampled: 01/18/11 11:25** **Received: 01/19/11 10:30**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 300.0	02/15/11		01/21/11	11:05	1/21/2011 18:57
EPA 310.2	02/01/11		01/26/11	12:11	1/26/2011 14:09
EPA 353.2	02/15/11		02/01/11	14:13	2/1/2011 14:33
EPA 6010C	07/17/11		01/19/11	14:30	1/24/2011 12:28
EPA 6020A	07/17/11		01/20/11	10:10	1/25/2011 10:28
EPA 7470A	02/15/11		01/21/11	09:12	1/21/2011 14:46
EPA 8260B	02/01/11		01/20/11	10:31	1/21/2011 05:35
RSK-175	01/25/11		01/21/11	09:20	1/21/2011 12:41
SM 2540C	01/25/11		01/21/11	15:08	1/21/2011 15:08
SM 5210B	01/20/11	11:25	01/19/11	17:15	1/19/2011 17:15
SM 5220D	02/15/11		01/25/11	11:34	1/25/2011 15:51
SM18 4500-S D	01/25/11		01/21/11	13:04	1/21/2011 13:39
SM18 5310B	02/15/11		01/24/11	12:04	1/24/2011 18:00
VGC-13	02/01/11		01/21/11	09:36	1/23/2011 00:43

Client ID: 3301-MW4 **Lab ID: C100236-02** **Sampled: 01/18/11 10:25** **Received: 01/19/11 10:30**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 300.0	02/15/11		01/21/11	11:05	1/21/2011 19:17
EPA 310.2	02/01/11		01/26/11	12:11	1/26/2011 14:10
EPA 353.2	02/15/11		02/02/11	13:30	2/2/2011 13:49
EPA 6010C	07/17/11		01/19/11	14:30	1/24/2011 12:30
EPA 6020A	07/17/11		01/20/11	10:10	1/25/2011 10:32
EPA 7470A	02/15/11		01/21/11	09:12	1/21/2011 14:48
EPA 8260B	02/01/11		01/20/11	10:31	1/21/2011 06:04
RSK-175	01/25/11		01/21/11	09:20	1/21/2011 12:44
SM 2540C	01/25/11		01/21/11	15:08	1/21/2011 15:08
SM 5210B	01/20/11	10:25	01/19/11	17:15	1/19/2011 17:15
SM 5220D	02/15/11		01/25/11	11:34	1/25/2011 15:51
SM18 4500-S D	01/25/11		01/21/11	13:04	1/21/2011 13:39
SM18 5310B	02/15/11		01/24/11	12:04	1/24/2011 18:25
VGC-13	02/01/11		01/21/11	09:36	1/23/2011 01:29

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Client ID: 3301-MW6	Lab ID: C100236-03	Sampled: 01/18/11 17:40	Received: 01/19/11 10:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	02/15/11	01/21/11 11:05	1/21/2011 19:36
EPA 310.2	02/01/11	01/26/11 12:11	1/26/2011 14:10
EPA 353.2	02/15/11	02/02/11 13:30	2/2/2011 13:49
EPA 6010C	07/17/11	01/19/11 14:30	1/24/2011 12:32
EPA 6020A	07/17/11	01/20/11 10:10	1/25/2011 10:35
EPA 7470A	02/15/11	01/21/11 09:12	1/21/2011 14:51
EPA 8260B	02/01/11	01/20/11 10:31	1/21/2011 06:33
RSK-175	01/25/11	01/21/11 09:20	1/21/2011 12:48
SM 2540C	01/25/11	01/21/11 15:08	1/21/2011 15:08
SM 5210B	01/20/11 17:40	01/19/11 17:15	1/19/2011 17:15
SM 5220D	02/15/11	01/25/11 11:34	1/25/2011 15:51
SM18 4500-S D	01/25/11	01/21/11 13:04	1/21/2011 13:39
SM18 5310B	02/15/11	01/24/11 12:04	1/24/2011 18:48
VGC-13	02/01/11	01/21/11 09:36	1/23/2011 02:16

Client ID: 3301-MW9	Lab ID: C100236-04	Sampled: 01/18/11 12:45	Received: 01/19/11 10:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	02/15/11	01/21/11 11:05	1/21/2011 19:56
EPA 310.2	02/01/11	01/26/11 12:11	1/26/2011 14:11
EPA 353.2	02/15/11	02/02/11 13:30	2/2/2011 13:49
EPA 6010C	07/17/11	01/19/11 14:30	1/24/2011 12:34
EPA 6010C	07/17/11	02/08/11 10:34	2/9/2011 12:46
EPA 6020A	07/17/11	01/20/11 10:10	1/25/2011 10:39
EPA 6020A	07/17/11	02/08/11 10:37	2/10/2011 10:38
EPA 7470A	02/15/11	01/21/11 09:12	1/21/2011 14:54
EPA 8260B	02/01/11	01/20/11 10:31	1/21/2011 07:01
RSK-175	01/25/11	01/21/11 09:20	1/21/2011 12:52
SM 2540C	01/25/11	01/21/11 15:08	1/21/2011 15:08
SM 5210B	01/20/11 12:45	01/19/11 17:15	1/19/2011 17:15
SM 5220D	02/15/11	01/25/11 11:34	1/25/2011 15:51
SM18 4500-S D	01/25/11	01/21/11 13:04	1/21/2011 13:39
SM18 5310B	02/15/11	01/24/11 12:04	1/24/2011 19:10
VGC-13	02/01/11	01/21/11 09:36	1/23/2011 03:02

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Client ID: 3301-MW14	Lab ID: C100236-05	Sampled: 01/18/11 16:45	Received: 01/19/11 10:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	02/15/11	01/21/11 11:05	1/21/2011 20:16
EPA 310.2	02/01/11	01/26/11 12:11	1/26/2011 14:12
EPA 353.2	02/15/11	02/02/11 13:30	2/2/2011 13:49
EPA 6010C	07/17/11	01/19/11 14:30	1/24/2011 12:37
EPA 6020A	07/17/11	01/20/11 10:10	1/25/2011 10:43
EPA 7470A	02/15/11	01/21/11 09:12	1/21/2011 14:57
EPA 8260B	02/01/11	01/21/11 13:56	1/22/2011 07:09
RSK-175	01/25/11	01/21/11 09:20	1/21/2011 12:56
SM 2540C	01/25/11	01/21/11 15:08	1/21/2011 15:08
SM 5210B	01/20/11 16:45	01/19/11 17:15	1/19/2011 17:15
SM 5220D	02/15/11	01/25/11 11:34	1/25/2011 15:51
SM18 4500-S D	01/25/11	01/21/11 13:04	1/21/2011 13:39
SM18 5310B	02/15/11	01/24/11 12:04	1/24/2011 20:00
VGC-13	02/01/11	01/21/11 09:36	1/23/2011 03:49

Client ID: 3301-MW16	Lab ID: C100236-06	Sampled: 01/18/11 15:35	Received: 01/19/11 10:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	02/15/11	01/21/11 11:05	1/21/2011 21:14
EPA 353.2	02/15/11	02/02/11 13:30	2/2/2011 13:49
EPA 6010C	07/17/11	01/19/11 14:30	1/24/2011 12:39
EPA 6020A	07/17/11	01/20/11 10:10	1/25/2011 10:46
EPA 7470A	02/15/11	01/21/11 09:12	1/21/2011 15:00
EPA 8260B	02/01/11	01/21/11 13:56	1/22/2011 07:38
RSK-175	01/25/11	01/21/11 09:20	1/21/2011 13:00
SM 2540C	01/25/11	01/21/11 15:08	1/21/2011 15:08
SM 5210B	01/20/11 15:35	01/19/11 17:15	1/19/2011 17:15
SM 5220D	02/15/11	01/25/11 11:34	1/25/2011 15:51
SM18 4500-S D	01/25/11	01/21/11 13:04	1/21/2011 13:39
SM18 5310B	02/15/11	01/24/11 12:04	1/24/2011 20:28
VGC-13	02/01/11	01/21/11 09:36	1/23/2011 04:35

Client ID: 3301-MW16	Lab ID: C100236-06RE1	Sampled: 01/18/11 15:35	Received: 01/19/11 10:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 310.2	02/01/11	01/26/11 12:11	1/26/2011 15:13
RSK-175	01/25/11	01/21/11 09:20	1/21/2011 13:15

Client ID: 3301-SW2	Lab ID: C100236-07	Sampled: 01/18/11 15:20	Received: 01/19/11 10:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	07/17/11	01/19/11 14:30	1/24/2011 12:41
EPA 6020A	07/17/11	01/20/11 10:10	1/25/2011 10:50
EPA 8260B	02/01/11	01/21/11 13:56	1/22/2011 08:07

Client ID: 3301-Trip Blank	Lab ID: C100236-08	Sampled: 01/18/11 10:25	Received: 01/19/11 10:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	02/01/11	01/21/11 13:56	1/22/2011 08:36

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Client ID: 3301-MW5	Lab ID: C100745-01	Sampled: 01/19/11 15:35	Received: 01/20/11 13:05

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	02/16/11	01/26/11 09:13	1/26/2011 14:11
EPA 353.2	02/16/11	02/02/11 13:36	2/3/2011 11:48
EPA 6010C	07/18/11	01/24/11 13:19	1/31/2011 11:02
EPA 6020A	07/18/11	01/25/11 11:33	1/28/2011 13:37
EPA 7470A	02/16/11	01/21/11 09:12	1/21/2011 15:17
EPA 8260B	02/02/11	01/27/11 12:24	1/28/2011 07:58
RSK-175	01/26/11	01/26/11 08:37	1/26/2011 11:48
SM 2540C	01/26/11	01/21/11 15:08	1/21/2011 15:08
SM 5210B	01/21/11 15:35	01/20/11 17:16	1/20/2011 17:16
SM 5220D	02/16/11	01/25/11 11:34	1/25/2011 15:51
SM18 4500-S D	01/26/11	01/21/11 13:04	1/21/2011 13:39
SM18 5310B	02/16/11	01/24/11 12:04	1/24/2011 20:52
VGC-13	02/02/11	01/24/11 09:19	1/24/2011 14:36

Client ID: 3301-MW5	Lab ID: C100745-01RE1	Sampled: 01/19/11 15:35	Received: 01/20/11 13:05

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 310.2	02/02/11	01/26/11 12:11	1/26/2011 15:14
EPA 6010C	07/18/11	01/24/11 13:19	1/31/2011 12:49
RSK-175	01/26/11	01/26/11 08:37	1/26/2011 12:18

Client ID: 3301-MW7A	Lab ID: C100745-02	Sampled: 01/19/11 11:35	Received: 01/20/11 13:05

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	02/16/11	01/26/11 09:13	1/26/2011 14:31
EPA 310.2	02/02/11	01/26/11 12:11	1/26/2011 14:17
EPA 353.2	02/16/11	02/02/11 13:36	2/3/2011 11:48
EPA 6010C	07/18/11	01/24/11 13:19	1/31/2011 11:05
EPA 6010C	07/18/11	02/08/11 10:34	2/9/2011 12:57
EPA 6020A	07/18/11	01/25/11 11:33	1/28/2011 13:44
EPA 6020A	07/18/11	02/08/11 10:37	2/10/2011 10:17
EPA 7470A	02/16/11	01/21/11 09:12	1/21/2011 15:20
EPA 8260B	02/02/11	01/27/11 12:24	1/28/2011 08:28
RSK-175	01/26/11	01/26/11 08:37	1/26/2011 11:52
SM 2540C	01/26/11	01/21/11 15:08	1/21/2011 15:08
SM 5210B	01/21/11 11:35	01/20/11 17:16	1/20/2011 17:16
SM 5220D	02/16/11	01/25/11 11:34	1/25/2011 15:51
SM18 4500-S D	01/26/11	01/21/11 13:04	1/21/2011 13:39
SM18 5310B	02/16/11	01/24/11 12:04	1/24/2011 21:16
VGC-13	02/02/11	01/24/11 09:19	1/24/2011 15:22

Client ID: 3301-MW7A	Lab ID: C100745-02RE1	Sampled: 01/19/11 11:35	Received: 01/20/11 13:05

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
RSK-175	01/26/11	01/26/11 08:37	1/26/2011 12:22

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Client ID: 3301-MW12	Lab ID: C100745-03	Sampled: 01/19/11 12:35	Received: 01/20/11 13:05

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	02/16/11	01/26/11 09:13	1/26/2011 14:50
EPA 310.2	02/02/11	01/26/11 12:11	1/26/2011 14:18
EPA 353.2	02/16/11	02/02/11 13:36	2/3/2011 11:48
EPA 6010C	07/18/11	01/24/11 13:19	1/31/2011 11:07
EPA 6010C	07/18/11	02/08/11 10:34	2/9/2011 12:59
EPA 6020A	07/18/11	01/25/11 11:33	1/28/2011 13:47
EPA 6020A	07/18/11	02/08/11 10:37	2/10/2011 10:42
EPA 7470A	02/16/11	01/21/11 09:12	1/21/2011 15:23
EPA 8260B	02/02/11	01/27/11 12:24	1/28/2011 08:57
RSK-175	01/26/11	01/26/11 08:37	1/26/2011 11:56
SM 2540C	01/26/11	01/21/11 15:08	1/21/2011 15:08
SM 5210B	01/21/11 12:35	01/20/11 17:16	1/20/2011 17:16
SM 5220D	02/16/11	01/25/11 11:34	1/25/2011 15:51
SM18 4500-S D	01/26/11	01/21/11 13:04	1/21/2011 13:39
SM18 5310B	02/16/11	01/24/11 12:04	1/24/2011 21:41
VGC-13	02/02/11	01/24/11 09:19	1/24/2011 16:09

Client ID: 3301-MW12	Lab ID: C100745-03RE1	Sampled: 01/19/11 12:35	Received: 01/20/11 13:05

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	02/16/11	01/26/11 09:13	1/26/2011 16:28
RSK-175	01/26/11	01/26/11 08:37	1/26/2011 12:25

Client ID: 3301-MW13	Lab ID: C100745-04	Sampled: 01/19/11 14:45	Received: 01/20/11 13:05

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	02/16/11	01/26/11 09:13	1/26/2011 15:10
EPA 353.2	02/16/11	02/02/11 13:36	2/3/2011 11:48
EPA 6010C	07/18/11	01/24/11 13:19	1/31/2011 11:15
EPA 6010C	07/18/11	02/08/11 10:34	2/9/2011 13:07
EPA 6020A	07/18/11	01/25/11 11:33	1/28/2011 13:51
EPA 6020A	07/18/11	02/08/11 10:37	2/10/2011 10:46
EPA 7470A	02/16/11	01/21/11 09:12	1/21/2011 15:26
EPA 8260B	02/02/11	01/27/11 12:24	1/28/2011 09:26
RSK-175	01/26/11	01/26/11 08:37	1/26/2011 12:00
SM 2540C	01/26/11	01/21/11 15:08	1/21/2011 15:08
SM 5210B	01/21/11 14:45	01/20/11 17:16	1/20/2011 17:16
SM 5220D	02/16/11	01/25/11 11:34	1/25/2011 15:51
SM18 4500-S D	01/26/11	01/21/11 13:04	1/21/2011 13:39
SM18 5310B	02/16/11	01/24/11 12:04	1/24/2011 22:06
VGC-13	02/02/11	01/24/11 09:19	1/24/2011 16:55

Client ID: 3301-MW13	Lab ID: C100745-04RE1	Sampled: 01/19/11 14:45	Received: 01/20/11 13:05

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	02/16/11	01/26/11 09:13	1/26/2011 16:48
EPA 310.2	02/02/11	01/26/11 12:11	1/26/2011 15:15
EPA 6010C	07/18/11	01/24/11 13:19	1/31/2011 12:51
RSK-175	01/26/11	01/26/11 08:37	1/26/2011 12:43

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Client ID: 3301-MW15	Lab ID: C100745-05	Sampled: 01/19/11 10:15	Received: 01/20/11 13:05

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	02/16/11	01/26/11 09:13	1/26/2011 16:09
EPA 353.2	02/16/11	02/02/11 13:36	2/3/2011 11:48
EPA 6010C	07/18/11	01/24/11 13:19	1/31/2011 11:18
EPA 6010C	07/18/11	02/08/11 10:34	2/9/2011 13:10
EPA 6020A	07/18/11	01/25/11 11:33	1/28/2011 13:55
EPA 6020A	07/18/11	02/08/11 10:37	2/10/2011 11:00
EPA 7470A	02/16/11	01/21/11 09:12	1/21/2011 15:28
EPA 8260B	02/02/11	01/27/11 12:24	1/28/2011 09:56
RSK-175	01/26/11	01/26/11 08:37	1/26/2011 12:04
SM 2540C	01/26/11	01/21/11 15:08	1/21/2011 15:08
SM 5210B	01/21/11 10:15	01/20/11 17:16	1/20/2011 17:16
SM 5220D	02/16/11	01/25/11 11:34	1/25/2011 15:51
SM18 4500-S D	01/26/11	01/21/11 13:04	1/21/2011 13:39
SM18 5310B	02/16/11	01/24/11 12:04	1/24/2011 22:30
VGC-13	02/02/11	01/24/11 09:19	1/24/2011 17:42

Client ID: 3301-MW15	Lab ID: C100745-05RE1	Sampled: 01/19/11 10:15	Received: 01/20/11 13:05

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 310.2	02/02/11	01/26/11 12:11	1/26/2011 15:16
RSK-175	01/26/11	01/26/11 08:37	1/26/2011 12:46

Client ID: 3301-SW1	Lab ID: C100745-06	Sampled: 01/19/11 11:15	Received: 01/20/11 13:05

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	07/18/11	01/24/11 13:19	1/31/2011 11:20
EPA 6020A	07/18/11	01/25/11 11:33	1/28/2011 13:59
EPA 8260B	02/02/11	01/27/11 12:24	1/28/2011 10:25

Client ID: 3301-Duplicate	Lab ID: C100745-07	Sampled: 01/19/11 10:15	Received: 01/20/11 13:05

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	07/18/11	01/24/11 13:19	1/31/2011 11:22
EPA 6020A	07/18/11	01/25/11 11:33	1/28/2011 14:02
EPA 8260B	02/02/11	01/27/11 12:24	1/28/2011 10:54

Client ID: 3301-Equipment Blank	Lab ID: C100745-08	Sampled: 01/19/11 14:15	Received: 01/20/11 13:05

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	07/18/11	01/24/11 13:19	1/31/2011 11:25
EPA 6020A	07/18/11	01/25/11 11:33	1/28/2011 14:06
EPA 8260B	02/02/11	01/28/11 09:27	1/29/2011 07:13

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NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: 3301-MW3B **Lab ID: C100236-01**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	113		1	1.00	10.0	100	ug/L	EPA 6010C	
Beryllium - Total	1.49		1	0.100	1.00	1	ug/L	EPA 6010C	
Cadmium - Total	0.599	J	1	0.360	1.00	1	ug/L	EPA 6010C	
Carbon dioxide	36800		1	2000	2500	NE	ug/L	RSK-175	
Chemical Oxygen Demand	12000		1	2800	10000	NE	ug/L	SM 5220D	
Chloride	27000		1	18	5000	NE	ug/L	EPA 300.0	
Cobalt - Total	26.4		1	1.10	10.0	10	ug/L	EPA 6010C	
Iron - Total	4910		1	22.0	50.0	300	ug/L	EPA 6010C	
Manganese - Total	93.8		1	1.10	10.0	50	ug/L	EPA 6010C	
Nickel - Total	29.7	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Nitrate as N	34	J	1	25	100	10000	ug/L	EPA 353.2	
Sulfate as SO4	42000	J	1	120	5000	250000	ug/L	EPA 300.0	
Thallium - Total	0.127	J	1	0.110	1.00	5.5	ug/L	EPA 6020A	
Total Dissolved Solids	86000		1	10000	10000	NE	ug/L	SM 2540C	
Total Organic Carbon	530	J	1	280	1000	NE	ug/L	SM18 5310B	
Zinc - Total	56.0		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 3301-MW4 **Lab ID: C100236-02**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Antimony - Total	0.673	J	1	0.220	2.00	6	ug/L	EPA 6020A	
Barium - Total	75.0	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Carbon dioxide	84200		1	2000	2500	NE	ug/L	RSK-175	
Chemical Oxygen Demand	16000		1	2800	10000	NE	ug/L	SM 5220D	
Chloride	7400		1	18	5000	NE	ug/L	EPA 300.0	
Copper - Total	2.13	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Iron - Total	603		1	22.0	50.0	300	ug/L	EPA 6010C	
Manganese - Total	14.1	J	1	1.10	10.0	50	ug/L	EPA 6010C	
Nitrate as N	560	J	1	25	100	10000	ug/L	EPA 353.2	
Sulfate as SO4	21000	J	1	120	5000	250000	ug/L	EPA 300.0	
Total Alkalinity as CaCO3	22000		1	8000	15000	NE	ug/L	EPA 310.2	
Total Dissolved Solids	40000		1	10000	10000	NE	ug/L	SM 2540C	
Total Organic Carbon	2800		1	280	1000	NE	ug/L	SM18 5310B	

Client ID: 3301-MW6 **Lab ID: C100236-03**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	84.0	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Beryllium - Total	0.231	J	1	0.100	1.00	1	ug/L	EPA 6010C	
Carbon dioxide	172000		1	2000	2500	NE	ug/L	RSK-175	
Chemical Oxygen Demand	18000		1	2800	10000	NE	ug/L	SM 5220D	
Chloride	77000		1	18	5000	NE	ug/L	EPA 300.0	
Cobalt - Total	8.63	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Iron - Total	2350		1	22.0	50.0	300	ug/L	EPA 6010C	
Manganese - Total	504		1	1.10	10.0	50	ug/L	EPA 6010C	
Methane	9.98		1	0.490	1.00	NE	ug/L	RSK-175	
Nickel - Total	6.49	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Nitrate as N	35	J	1	25	100	10000	ug/L	EPA 353.2	
Selenium - Total	0.953	J	1	0.830	1.00	10	ug/L	EPA 6020A	
Sulfate as SO4	46000	J	1	120	5000	250000	ug/L	EPA 300.0	
Total Alkalinity as CaCO3	37000		1	8000	15000	NE	ug/L	EPA 310.2	

Client ID: 3301-MW6 **Lab ID: C100236-03**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Total Dissolved Solids	240000		1	10000	10000	NE	ug/L	SM 2540C	
Total Organic Carbon	2600		1	280	1000	NE	ug/L	SM18 5310B	
Zinc - Total	25.8		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 3301-MW9 **Lab ID: C100236-04**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	190		1	1.00	10.0	100	ug/L	EPA 6010C	
Barium - Dissolved	91.4	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Carbon dioxide	11300		1	2000	2500	NE	ug/L	RSK-175	
Chemical Oxygen Demand	7500	J	1	2800	10000	NE	ug/L	SM 5220D	
Chloride	3600	J	1	18	5000	NE	ug/L	EPA 300.0	
Iron - Total	5380		1	22.0	50.0	300	ug/L	EPA 6010C	
Manganese - Total	64.6		1	1.10	10.0	50	ug/L	EPA 6010C	
Sulfate as SO4	3300	J	1	120	5000	250000	ug/L	EPA 300.0	
Total Alkalinity as CaCO3	95000		1	8000	15000	NE	ug/L	EPA 310.2	
Total Dissolved Solids	110000		1	10000	10000	NE	ug/L	SM 2540C	
Total Organic Carbon	410	J	1	280	1000	NE	ug/L	SM18 5310B	

Client ID: 3301-MW14 **Lab ID: C100236-05**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	245		1	1.00	10.0	100	ug/L	EPA 6010C	
Biochemical Oxygen Demand	2300		1	2000	2000	NE	ug/L	SM 5210B	
Carbon dioxide	105000		1	2000	2500	NE	ug/L	RSK-175	
Chemical Oxygen Demand	16000		1	2800	10000	NE	ug/L	SM 5220D	
Chloride	18000		1	18	5000	NE	ug/L	EPA 300.0	
Iron - Total	5810		1	22.0	50.0	300	ug/L	EPA 6010C	
Manganese - Total	184		1	1.10	10.0	50	ug/L	EPA 6010C	
Methane	64.3		1	0.490	1.00	NE	ug/L	RSK-175	
Nitrate as N	70	J	1	25	100	10000	ug/L	EPA 353.2	
Sulfate as SO4	52000	J	1	120	5000	250000	ug/L	EPA 300.0	
Sulfide	83	J	1	10	100	1000	ug/L	SM18 4500-S D	
Total Alkalinity as CaCO3	140000		1	8000	15000	NE	ug/L	EPA 310.2	
Total Dissolved Solids	220000		1	10000	10000	NE	ug/L	SM 2540C	
Total Organic Carbon	3700		1	280	1000	NE	ug/L	SM18 5310B	

Client ID: 3301-MW16 **Lab ID: C100236-06**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	315		1	1.00	10.0	100	ug/L	EPA 6010C	
Chemical Oxygen Demand	48000		1	2800	10000	NE	ug/L	SM 5220D	
Chloride	24000		1	18	5000	NE	ug/L	EPA 300.0	
Cobalt - Total	1.86	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Iron - Total	52200		1	22.0	50.0	300	ug/L	EPA 6010C	
Manganese - Total	415		1	1.10	10.0	50	ug/L	EPA 6010C	
Methane	6870		1	0.490	1.00	NE	ug/L	RSK-175	
Nickel - Total	2.76	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Nitrate as N	81	J	1	25	100	10000	ug/L	EPA 353.2	
Selenium - Total	1.41	J	1	0.830	1.00	10	ug/L	EPA 6020A	
Sulfate as SO4	2900	J	1	120	5000	250000	ug/L	EPA 300.0	
Sulfide	75	J	1	10	100	1000	ug/L	SM18 4500-S D	
Total Dissolved Solids	310000		1	10000	10000	NE	ug/L	SM 2540C	
Total Organic Carbon	12000		1	280	1000	NE	ug/L	SM18 5310B	

Client ID: 3301-MW16 **Lab ID: C100236-06RE1**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Carbon dioxide	34000		1	2000	2500	NE	ug/L	RSK-175	
Total Alkalinity as CaCO3	200000	D	5	40000	75000	NE	ug/L	EPA 310.2	

Client ID: 3301-SW2 **Lab ID: C100236-07**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	70.6	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Cobalt - Total	4.88	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	1.65	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Nickel - Total	4.96	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Zinc - Total	14.1		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 3301-MW5 **Lab ID: C100745-01**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	6.2	JD	10	3.3	10	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	9.3	JD	10	3.8	10	1	ug/L	EPA 8260B	
Antimony - Total	0.600	J	1	0.220	2.00	6	ug/L	EPA 6020A	
Arsenic - Total	9.89	J	1	2.80	10.0	10	ug/L	EPA 6010C	
Barium - Total	231		1	1.00	10.0	100	ug/L	EPA 6010C	
Chemical Oxygen Demand	77000		1	2800	10000	NE	ug/L	SM 5220D	
Chloride	10000		1	18	5000	NE	ug/L	EPA 300.0	
Chlorobenzene	14	D	10	2.7	10	3	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	470	D	10	3.6	10	5	ug/L	EPA 8260B	
Cobalt - Total	177		1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	7.55	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Iron - Total	115000		1	22.0	50.0	300	ug/L	EPA 6010C	
Methane	327		1	0.490	1.00	NE	ug/L	RSK-175	
Nickel - Total	49.7	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Nitrate as N	30	J	1	25	100	10000	ug/L	EPA 353.2	
Selenium - Total	0.855	J	1	0.830	1.00	10	ug/L	EPA 6020A	
Silver - Total	6.47	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Sulfate as SO4	38000	J	1	120	5000	250000	ug/L	EPA 300.0	
Total Dissolved Solids	550000		1	10000	10000	NE	ug/L	SM 2540C	
Total Organic Carbon	3600		1	280	1000	NE	ug/L	SM18 5310B	
Vinyl chloride	27	D	10	3.0	10	1	ug/L	EPA 8260B	
Zinc - Total	61.1		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 3301-MW5 **Lab ID: C100745-01RE1**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Carbon dioxide	370000	D	10	20000	25000	NE	ug/L	RSK-175	
Manganese - Total	35000	D	10	11.0	100	50	ug/L	EPA 6010C	
Total Alkalinity as CaCO3	410000	D	5	40000	75000	NE	ug/L	EPA 310.2	

Client ID: 3301-MW7A **Lab ID: C100745-02**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,4-Dichlorobenzene	1.3		1	0.38	1.0	1	ug/L	EPA 8260B	
Arsenic - Total	16.0		1	2.80	10.0	10	ug/L	EPA 6010C	
Barium - Dissolved	143		1	1.00	10.0	100	ug/L	EPA 6010C	
Barium - Total	176		1	1.00	10.0	100	ug/L	EPA 6010C	
Benzene	1.8		1	0.20	1.0	1	ug/L	EPA 8260B	
Biochemical Oxygen Demand	10000		1	2000	2000	NE	ug/L	SM 5210B	

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Client ID: 3301-MW7A								Lab ID: C100745-02	
Analyte	**Results**	**Flag**	**DF**	**MDL**	**MRL**	**NC SWSL**	**Units**	**Method**	**Notes**
Chemical Oxygen Demand	44000		1	2800	10000	NE	ug/L	SM 5220D	
Chloride	34000		1	18	5000	NE	ug/L	EPA 300.0	
Chlorobenzene	3.3		1	0.27	1.0	3	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	0.54	J	1	0.36	1.0	5	ug/L	EPA 8260B	
Copper - Total	10.1		1	1.60	10.0	10	ug/L	EPA 6010C	
Copper - Dissolved	4.99	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Iron - Total	237000		1	22.0	50.0	300	ug/L	EPA 6010C	
Manganese - Total	440		1	1.10	10.0	50	ug/L	EPA 6010C	
Methane	2780		1	0.490	1.00	NE	ug/L	RSK-175	
Nitrate as N	47	J	1	25	100	10000	ug/L	EPA 353.2	
Selenium - Dissolved	2.03	J	1	0.830	1.00	10	ug/L	EPA 6020A	
Selenium - Total	1.14	J	1	0.830	1.00	10	ug/L	EPA 6020A	
Sulfate as SO4	3100	J	1	120	5000	250000	ug/L	EPA 300.0	
Total Alkalinity as CaCO3	140000		1	8000	15000	NE	ug/L	EPA 310.2	
Total Dissolved Solids	350000		1	10000	10000	NE	ug/L	SM 2540C	
Total Organic Carbon	3800		1	280	1000	NE	ug/L	SM18 5310B	

Client ID: 3301-MW7A								Lab ID: C100745-02RE1	
Analyte	**Results**	**Flag**	**DF**	**MDL**	**MRL**	**NC SWSL**	**Units**	**Method**	**Notes**
Carbon dioxide	681000	D	10	20000	25000	NE	ug/L	RSK-175	

Client ID: 3301-MW12								Lab ID: C100745-03	
Analyte	**Results**	**Flag**	**DF**	**MDL**	**MRL**	**NC SWSL**	**Units**	**Method**	**Notes**
1,1-Dichloroethane	1.2	J	1	0.33	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	5.8		1	0.38	1.0	1	ug/L	EPA 8260B	
Acetic Acid	2100		1	83	500	NE	ug/L	VGC-13	
Barium - Total	303		1	1.00	10.0	100	ug/L	EPA 6010C	
Barium - Dissolved	287		1	1.00	10.0	100	ug/L	EPA 6010C	
Benzene	2.6		1	0.20	1.0	1	ug/L	EPA 8260B	
Beryllium - Total	0.420	J	1	0.100	1.00	1	ug/L	EPA 6010C	
Beryllium - Dissolved	0.373	J	1	0.100	1.00	1	ug/L	EPA 6010C	
Chemical Oxygen Demand	40000		1	2800	10000	NE	ug/L	SM 5220D	
Chlorobenzene	4.1		1	0.27	1.0	3	ug/L	EPA 8260B	
Chloroethane	0.93	J	1	0.30	1.0	10	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	1.1	J	1	0.36	1.0	5	ug/L	EPA 8260B	
Cobalt - Dissolved	12.6		1	1.10	10.0	10	ug/L	EPA 6010C	
Cobalt - Total	13.5		1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	3.53	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Iron - Total	9470		1	22.0	50.0	300	ug/L	EPA 6010C	
Manganese - Total	121		1	1.10	10.0	50	ug/L	EPA 6010C	
Nickel - Dissolved	20.4	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Nickel - Total	22.2	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Selenium - Total	8.83	J	1	0.830	1.00	10	ug/L	EPA 6020A	
Selenium - Dissolved	9.14	J	1	0.830	1.00	10	ug/L	EPA 6020A	
Sulfate as SO4	64000	J	1	120	5000	250000	ug/L	EPA 300.0	
Thallium - Total	0.139	J	1	0.110	1.00	5.5	ug/L	EPA 6020A	
Thallium - Dissolved	0.155	J	1	0.110	1.00	5.5	ug/L	EPA 6020A	
Total Alkalinity as CaCO3	10000	J	1	8000	15000	NE	ug/L	EPA 310.2	
Total Dissolved Solids	410000		1	10000	10000	NE	ug/L	SM 2540C	
Total Organic Carbon	8200		1	280	1000	NE	ug/L	SM18 5310B	
Zinc - Total	149		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 3301-MW12 **Lab ID: C100745-03**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Zinc - Dissolved	132		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 3301-MW12 **Lab ID: C100745-03RE1**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Carbon dioxide	556000	D	10	20000	25000	NE	ug/L	RSK-175	
Chloride	180000	D	4	72	20000	NE	ug/L	EPA 300.0	

Client ID: 3301-MW13 **Lab ID: C100745-04**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	0.51	J	1	0.33	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	2.3		1	0.38	1.0	1	ug/L	EPA 8260B	
Acetic Acid	4300		1	83	500	NE	ug/L	VGC-13	
Barium - Total	217		1	1.00	10.0	100	ug/L	EPA 6010C	
Barium - Dissolved	189		1	1.00	10.0	100	ug/L	EPA 6010C	
Chemical Oxygen Demand	100000		1	2800	10000	NE	ug/L	SM 5220D	
Chlorobenzene	8.7		1	0.27	1.0	3	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	18		1	0.36	1.0	5	ug/L	EPA 8260B	
Cobalt - Dissolved	1340		1	1.10	10.0	10	ug/L	EPA 6010C	
Cobalt - Total	1400		1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	2.28	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Iron - Total	28100		1	22.0	50.0	300	ug/L	EPA 6010C	
Lead - Dissolved	3.36	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Lead - Total	3.87	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Methane	34.9		1	0.490	1.00	NE	ug/L	RSK-175	
Nickel - Total	306		1	1.80	10.0	50	ug/L	EPA 6010C	
Nickel - Dissolved	289		1	1.80	10.0	50	ug/L	EPA 6010C	
Selenium - Total	6.24	J	1	0.830	1.00	10	ug/L	EPA 6020A	
Selenium - Dissolved	7.64	J	1	0.830	1.00	10	ug/L	EPA 6020A	
Silver - Dissolved	8.15	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Silver - Total	8.87	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Sulfate as SO4	38000	J	1	120	5000	250000	ug/L	EPA 300.0	
Thallium - Dissolved	0.718	J	1	0.110	1.00	5.5	ug/L	EPA 6020A	
Thallium - Total	0.748	J	1	0.110	1.00	5.5	ug/L	EPA 6020A	
Total Dissolved Solids	490000		1	10000	10000	NE	ug/L	SM 2540C	
Total Organic Carbon	7400		1	280	1000	NE	ug/L	SM18 5310B	
Trichloroethene	0.59	J	1	0.38	1.0	1	ug/L	EPA 8260B	
Vinyl chloride	1.0		1	0.30	1.0	1	ug/L	EPA 8260B	
Zinc - Dissolved	144		1	3.80	10.0	10	ug/L	EPA 6010C	
Zinc - Total	153		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 3301-MW13 **Lab ID: C100745-04RE1**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Carbon dioxide	498000	D	10	20000	25000	NE	ug/L	RSK-175	
Chloride	110000	D	2	36	10000	NE	ug/L	EPA 300.0	
Manganese - Total	42600	D	10	11.0	100	50	ug/L	EPA 6010C	
Total Alkalinity as CaCO3	240000	D	5	40000	75000	NE	ug/L	EPA 310.2	

Client ID: 3301-MW15 **Lab ID: C100745-05**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	0.59	J	1	0.33	1.0	5	ug/L	EPA 8260B	
1,2-Dichloropropane	1.6		1	0.20	1.0	1	ug/L	EPA 8260B	

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Client ID: 3301-MW15 **Lab ID: C100745-05**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Dissolved	247		1	1.00	10.0	100	ug/L	EPA 6010C	
Barium - Total	395		1	1.00	10.0	100	ug/L	EPA 6010C	
Chemical Oxygen Demand	33000		1	2800	10000	NE	ug/L	SM 5220D	
Chloride	15000		1	18	5000	NE	ug/L	EPA 300.0	
Chlorobenzene	1.2	J	1	0.27	1.0	3	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	14		1	0.36	1.0	5	ug/L	EPA 8260B	
Cobalt - Dissolved	13.8		1	1.10	10.0	10	ug/L	EPA 6010C	
Cobalt - Total	13.5		1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	3.39	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Iron - Total	22600		1	22.0	50.0	300	ug/L	EPA 6010C	
Manganese - Total	11100		1	1.10	10.0	50	ug/L	EPA 6010C	
Methane	414		1	0.490	1.00	NE	ug/L	RSK-175	
Nickel - Dissolved	12.5	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Nickel - Total	13.0	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Nitrate as N	62	J	1	25	100	10000	ug/L	EPA 353.2	
Selenium - Total	0.892	J	1	0.830	1.00	10	ug/L	EPA 6020A	
Selenium - Dissolved	2.19	J	1	0.830	1.00	10	ug/L	EPA 6020A	
Silver - Dissolved	2.95	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Silver - Total	2.94	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Sulfate as SO4	7900	J	1	120	5000	250000	ug/L	EPA 300.0	
Total Dissolved Solids	400000		1	10000	10000	NE	ug/L	SM 2540C	
Total Organic Carbon	3600		1	280	1000	NE	ug/L	SM18 5310B	
trans-1,2-Dichloroethene	0.67	J	1	0.34	1.0	5	ug/L	EPA 8260B	
Vinyl chloride	1.9		1	0.30	1.0	1	ug/L	EPA 8260B	
Zinc - Total	4.22	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 3301-MW15 **Lab ID: C100745-05RE1**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Carbon dioxide	296000	D	10	20000	25000	NE	ug/L	RSK-175	
Total Alkalinity as CaCO3	410000	D	5	40000	75000	NE	ug/L	EPA 310.2	

Client ID: 3301-SW1 **Lab ID: C100745-06**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	72.9	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Cobalt - Total	1.25	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	2.81	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Zinc - Total	14.7		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 3301-Duplicate **Lab ID: C100745-07**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	0.56	J	1	0.33	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	2.2		1	0.38	1.0	1	ug/L	EPA 8260B	
Barium - Total	216		1	1.00	10.0	100	ug/L	EPA 6010C	
Chlorobenzene	8.9		1	0.27	1.0	3	ug/L	EPA 8260B	
Chloroethane	0.43	J	1	0.30	1.0	10	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	19		1	0.36	1.0	5	ug/L	EPA 8260B	
Cobalt - Total	1410		1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	2.32	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Lead - Total	4.13	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Nickel - Total	308		1	1.80	10.0	50	ug/L	EPA 6010C	
Selenium - Total	6.75	J	1	0.830	1.00	10	ug/L	EPA 6020A	

Client ID: 3301-Duplicate **Lab ID: C100745-07**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Silver - Total	8.57	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Thallium - Total	0.754	J	1	0.110	1.00	5.5	ug/L	EPA 6020A	
Trichloroethene	0.57	J	1	0.38	1.0	1	ug/L	EPA 8260B	
Vinyl chloride	0.94	J	1	0.30	1.0	1	ug/L	EPA 8260B	
Zinc - Total	158		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 3301-Equipment Blank **Lab ID: C100745-08**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Copper - Total	2.69	J	1	1.60	10.0	10	ug/L	EPA 6010C	

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ANALYTICAL RESULTS

Description: 3301-MW3B
Matrix: Ground Water
Project: Edgecombe County Landfill - Jan

Lab Sample ID: C100236-01
Sampled: 01/18/11 11:25
Sampled By: Michelle Logut

Received: 01/19/11 10:30
Work Order: C100236

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	01/21/11 05:35	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	01/21/11 05:35	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	01/21/11 05:35	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	01/21/11 05:35	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	01/21/11 05:35	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	01/21/11 05:35	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	01/21/11 05:35	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	01/21/11 05:35	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	01/21/11 05:35	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	01/21/11 05:35	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	01/21/11 05:35	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	01/21/11 05:35	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/21/11 05:35	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	01/21/11 05:35	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	01/21/11 05:35	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	01/21/11 05:35	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	01/21/11 05:35	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	01/21/11 05:35	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	01/21/11 05:35	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	01/21/11 05:35	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	01/21/11 05:35	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	01/21/11 05:35	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	01/21/11 05:35	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	01/21/11 05:35	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/21/11 05:35	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	01/21/11 05:35	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	01/21/11 05:35	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	01/21/11 05:35	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	01/21/11 05:35	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	01/21/11 05:35	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	01/21/11 05:35	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	01/21/11 05:35	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	01/21/11 05:35	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	01/21/11 05:35	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	01/21/11 05:35	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	01/21/11 05:35	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	01/21/11 05:35	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	01/21/11 05:35	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	01/21/11 05:35	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	01/21/11 05:35	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/21/11 05:35	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	01/21/11 05:35	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/21/11 05:35	JKG	

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Description: 3301-MW3B
Matrix: Ground Water
Project: Edgecombe County Landfill - Jan

Lab Sample ID: C100236-01
Sampled: 01/18/11 11:25
Sampled By: Michelle Logut

Received: 01/19/11 10:30
Work Order: C100236

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	01/21/11 05:35	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	01/21/11 05:35	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	01/21/11 05:35	JKG	
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	01/21/11 05:35	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*46*	*1*	*50.0*	*92 %*	*51-122*	*1A20013*	*EPA 8260B*	*01/21/11 05:35*	*JKG*	
Dibromofluoromethane	*50*	*1*	*50.0*	*99 %*	*68-117*	*1A20013*	*EPA 8260B*	*01/21/11 05:35*	*JKG*	
Toluene-d8	*51*	*1*	*50.0*	*102 %*	*69-110*	*1A20013*	*EPA 8260B*	*01/21/11 05:35*	*JKG*	

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Description: 3301-MW3B
Matrix: Ground Water
Project: Edgecombe County Landfill - Jan

Lab Sample ID: C100236-01
Sampled: 01/18/11 11:25
Sampled By: Michelle Logut

Received: 01/19/11 10:30
Work Order: C100236

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	01/21/11 14:46	NLH	

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Description: 3301-MW3B
Matrix: Ground Water
Project: Edgecombe County Landfill - Jan

Lab Sample ID: C100236-01
Sampled: 01/18/11 11:25
Sampled By: Michelle Logut

Received: 01/19/11 10:30
Work Order: C100236

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

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	01/25/11 10:28	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	01/24/11 12:28	JDH	
Barium [7440-39-3] ^	**113**		ug/L	1	1.00	10.0	100	EPA 6010C	01/24/11 12:28	JDH	
Beryllium [7440-41-7] ^	**1.49**		ug/L	1	0.100	1.00	1	EPA 6010C	01/24/11 12:28	JDH	
Cadmium [7440-43-9] ^	**0.599**	J	ug/L	1	0.360	1.00	1	EPA 6010C	01/24/11 12:28	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	01/24/11 12:28	JDH	
Cobalt [7440-48-4] ^	**26.4**		ug/L	1	1.10	10.0	10	EPA 6010C	01/24/11 12:28	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	01/24/11 12:28	JDH	
Iron [7439-89-6] ^	**4910**		ug/L	1	22.0	50.0	300	EPA 6010C	01/24/11 12:28	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	01/24/11 12:28	JDH	
Manganese [7439-96-5] ^	**93.8**		ug/L	1	1.10	10.0	50	EPA 6010C	01/24/11 12:28	JDH	
Nickel [7440-02-0] ^	**29.7**	J	ug/L	1	1.80	10.0	50	EPA 6010C	01/24/11 12:28	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	01/25/11 10:28	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	01/24/11 12:28	JDH	
Thallium [7440-28-0] ^	**0.127**	J	ug/L	1	0.110	1.00	5.5	EPA 6020A	01/25/11 10:28	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	01/24/11 12:28	JDH	
Zinc [7440-66-6] ^	**56.0**		ug/L	1	3.80	10.0	10	EPA 6010C	01/24/11 12:28	JDH	

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Description: 3301-MW3B
Matrix: Ground Water
Project: Edgecombe County Landfill - Jan

Lab Sample ID: C100236-01
Sampled: 01/18/11 11:25
Sampled By: Michelle Logut

Received: 01/19/11 10:30
Work Order: C100236

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Biochemical Oxygen Demand [ECL-0017] ^	2000	U	ug/L	1	2000	2000	NE	SM 5210B	01/19/11 17:15	JOC	
Chemical Oxygen Demand [ECL-0035] ^	**12000**		ug/L	1	2800	10000	NE	SM 5220D	01/25/11 15:51	JOC	
Chloride [16887-00-6] ^	**27000**		ug/L	1	18	5000	NE	EPA 300.0	01/21/11 18:57	AJB	
Nitrate as N [14797-55-8] ^	**34**	J	ug/L	1	25	100	10000	EPA 353.2	02/01/11 14:33	AJB	
Sulfate as SO4 [14808-79-8] ^	**42000**	J	ug/L	1	120	5000	250000	EPA 300.0	01/21/11 18:57	AJB	
Sulfide [18496-25-8] ^	10	U	ug/L	1	10	100	1000	SM18 4500-S D	01/21/11 13:39	JOC	
Total Alkalinity as CaCO3 [471-34-1] ^	8000	U	ug/L	1	8000	15000	NE	EPA 310.2	01/26/11 14:09	CCB	
Total Dissolved Solids [ECL-0156] ^	**86000**		ug/L	1	10000	10000	NE	SM 2540C	01/21/11 15:08	KER	

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Description: 3301-MW3B
Matrix: Ground Water
Project: Edgecombe County Landfill - Jan

Lab Sample ID: C100236-01
Sampled: 01/18/11 11:25
Sampled By: Michelle Logut

Received: 01/19/11 10:30
Work Order: C100236

Dissolved Gases by GC

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Carbon dioxide [124-38-9]	**36800**		ug/L	1	2000	2500	NE	RSK-175	01/21/11 12:41	LAC	
Ethane [74-84-0]	1.50	U	ug/L	1	1.50	2.00	NE	RSK-175	01/21/11 12:41	LAC	
Ethene [74-85-1]	1.60	U	ug/L	1	1.60	2.00	NE	RSK-175	01/21/11 12:41	LAC	
Methane [74-82-8]	0.490	U	ug/L	1	0.490	1.00	NE	RSK-175	01/21/11 12:41	LAC	

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Description: 3301-MW3B
Matrix: Ground Water
Project: Edgecombe County Landfill - Jan

Lab Sample ID: C100236-01
Sampled: 01/18/11 11:25
Sampled By: Michelle Logut

Received: 01/19/11 10:30
Work Order: C100236

Volatile Fatty Acids by HPLC

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Acetic Acid [64-19-7]	83	U	ug/L	1	83	500	NE	VGC-13	01/23/11 00:43	JAT	
Butyric Acid [107-92-6]	160	U	ug/L	1	160	500	NE	VGC-13	01/23/11 00:43	JAT	
Hexanoic Acid [142-62-1]	230	U	ug/L	1	230	1000		VGC-13	01/23/11 00:43	JAT	
HIBA (2-Hydroxyisobutyric Acid) [594-61-6]	160	U	ug/L	1	160	500		VGC-13	01/23/11 00:43	JAT	
iso-Hexanoic Acid [646-07-1]	210	U	ug/L	1	210	1000		VGC-13	01/23/11 00:43	JAT	
iso-Pentanoic Acid [503-74-2]	260	U	ug/L	1	260	500		VGC-13	01/23/11 00:43	JAT	
Lactic Acid [50-21-5]	440	U	ug/L	1	440	500	NE	VGC-13	01/23/11 00:43	JAT	
Pentanoic Acid [109-52-4]	270	U	ug/L	1	270	500		VGC-13	01/23/11 00:43	JAT	
Propionic Acid [79-09-4]	180	U	ug/L	1	180	500	NE	VGC-13	01/23/11 00:43	JAT	
Pyruvic Acid [127-17-3]	140	U	ug/L	1	140	500	NE	VGC-13	01/23/11 00:43	JAT	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
Trimethylacetic acid	*62000*	*1*	*49800*	*124 %*	*80-124*	*1A21006*	*VGC-13*	*01/23/11 00:43*	*JAT*	

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Description: 3301-MW3B
Matrix: Ground Water
Project: Edgecombe County Landfill - Jan

Lab Sample ID: C100236-01
Sampled: 01/18/11 11:25
Sampled By: Michelle Logut

Received: 01/19/11 10:30
Work Order: C100236

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Total Organic Carbon [ECL-0165]	**530**	J	ug/L	1	280	1000	NE	SM18 5310B	01/24/11 18:00	JSW	

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

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Description: 3301-MW4 | **Lab Sample ID:** C100236-02 | **Received:** 01/19/11 10:30

Matrix: Ground Water | **Sampled:** 01/18/11 10:25 | **Work Order:** C100236

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	01/21/11 06:04	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	01/21/11 06:04	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	01/21/11 06:04	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	01/21/11 06:04	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	01/21/11 06:04	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	01/21/11 06:04	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	01/21/11 06:04	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	01/21/11 06:04	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	01/21/11 06:04	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	01/21/11 06:04	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	01/21/11 06:04	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	01/21/11 06:04	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/21/11 06:04	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	01/21/11 06:04	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	01/21/11 06:04	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	01/21/11 06:04	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	01/21/11 06:04	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	01/21/11 06:04	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	01/21/11 06:04	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	01/21/11 06:04	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	01/21/11 06:04	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	01/21/11 06:04	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	01/21/11 06:04	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	01/21/11 06:04	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/21/11 06:04	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	01/21/11 06:04	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	01/21/11 06:04	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	01/21/11 06:04	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	01/21/11 06:04	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	01/21/11 06:04	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	01/21/11 06:04	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	01/21/11 06:04	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	01/21/11 06:04	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	01/21/11 06:04	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	01/21/11 06:04	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	01/21/11 06:04	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	01/21/11 06:04	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	01/21/11 06:04	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	01/21/11 06:04	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	01/21/11 06:04	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/21/11 06:04	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	01/21/11 06:04	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/21/11 06:04	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	01/21/11 06:04	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	01/21/11 06:04	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	01/21/11 06:04	JKG	

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Description: 3301-MW4 | **Lab Sample ID:** C100236-02 | **Received:** 01/19/11 10:30

Matrix: Ground Water | **Sampled:** 01/18/11 10:25 | **Work Order:** C100236

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	01/21/11 06:04	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*47*	*1*	*50.0*	*93 %*	*51-122*	*1A20013*	*EPA 8260B*	*01/21/11 06:04*	*JKG*	
Dibromofluoromethane	*49*	*1*	*50.0*	*98 %*	*68-117*	*1A20013*	*EPA 8260B*	*01/21/11 06:04*	*JKG*	
Toluene-d8	*49*	*1*	*50.0*	*98 %*	*69-110*	*1A20013*	*EPA 8260B*	*01/21/11 06:04*	*JKG*	

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Description:	3301-MW4	**Lab Sample ID:**	C100236-02	**Received:**	01/19/11 10:30
Matrix:	Ground Water	**Sampled:**	01/18/11 10:25	**Work Order:**	C100236
Project:	Edgecombe County Landfill - Jan	**Sampled By:**	Michelle Logut		

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	01/21/11 14:48	NLH	

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Description: 3301-MW4 | **Lab Sample ID:** C100236-02 | **Received:** 01/19/11 10:30

Matrix: Ground Water | **Sampled:** 01/18/11 10:25 | **Work Order:** C100236

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

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

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	**0.673**	J	ug/L	1	0.220	2.00	6	EPA 6020A	01/25/11 10:32	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	01/24/11 12:30	JDH	
Barium [7440-39-3] ^	**75.0**	J	ug/L	1	1.00	10.0	100	EPA 6010C	01/24/11 12:30	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	01/24/11 12:30	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	01/24/11 12:30	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	01/24/11 12:30	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	01/24/11 12:30	JDH	
Copper [7440-50-8] ^	**2.13**	J	ug/L	1	1.60	10.0	10	EPA 6010C	01/24/11 12:30	JDH	
Iron [7439-89-6] ^	**603**		ug/L	1	22.0	50.0	300	EPA 6010C	01/24/11 12:30	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	01/24/11 12:30	JDH	
Manganese [7439-96-5] ^	**14.1**	J	ug/L	1	1.10	10.0	50	EPA 6010C	01/24/11 12:30	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	01/24/11 12:30	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	01/25/11 10:32	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	01/24/11 12:30	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	01/25/11 10:32	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	01/24/11 12:30	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	01/24/11 12:30	JDH	

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Description: 3301-MW4 | **Lab Sample ID:** C100236-02 | **Received:** 01/19/11 10:30

Matrix: Ground Water | **Sampled:** 01/18/11 10:25 | **Work Order:** C100236

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Biochemical Oxygen Demand [ECL-0017] ^	2000	U	ug/L	1	2000	2000	NE	SM 5210B	01/19/11 17:15	JOC	
Chemical Oxygen Demand [ECL-0035] ^	**16000**		ug/L	1	2800	10000	NE	SM 5220D	01/25/11 15:51	JOC	
Chloride [16887-00-6] ^	**7400**		ug/L	1	18	5000	NE	EPA 300.0	01/21/11 19:17	AJB	
Nitrate as N [14797-55-8] ^	**560**	J	ug/L	1	25	100	10000	EPA 353.2	02/02/11 13:49	AJB	
Sulfate as SO4 [14808-79-8] ^	**21000**	J	ug/L	1	120	5000	250000	EPA 300.0	01/21/11 19:17	AJB	
Sulfide [18496-25-8] ^	10	U	ug/L	1	10	100	1000	SM18 4500-S D	01/21/11 13:39	JOC	
Total Alkalinity as CaCO3 [471-34-1] ^	**22000**		ug/L	1	8000	15000	NE	EPA 310.2	01/26/11 14:10	CCB	
Total Dissolved Solids [ECL-0156] ^	**40000**		ug/L	1	10000	10000	NE	SM 2540C	01/21/11 15:08	KER	

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Description: 3301-MW4 | **Lab Sample ID:** C100236-02 | **Received:** 01/19/11 10:30

Matrix: Ground Water | **Sampled:** 01/18/11 10:25 | **Work Order:** C100236

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

Dissolved Gases by GC

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Carbon dioxide [124-38-9]	**84200**		ug/L	1	2000	2500	NE	RSK-175	01/21/11 12:44	LAC	
Ethane [74-84-0]	1.50	U	ug/L	1	1.50	2.00	NE	RSK-175	01/21/11 12:44	LAC	
Ethene [74-85-1]	1.60	U	ug/L	1	1.60	2.00	NE	RSK-175	01/21/11 12:44	LAC	
Methane [74-82-8]	0.490	U	ug/L	1	0.490	1.00	NE	RSK-175	01/21/11 12:44	LAC	

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Description: 3301-MW4 | **Lab Sample ID:** C100236-02 | **Received:** 01/19/11 10:30

Matrix: Ground Water | **Sampled:** 01/18/11 10:25 | **Work Order:** C100236

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

Volatile Fatty Acids by HPLC

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Acetic Acid [64-19-7]	83	U	ug/L	1	83	500	NE	VGC-13	01/23/11 01:29	JAT	
Butyric Acid [107-92-6]	160	U	ug/L	1	160	500	NE	VGC-13	01/23/11 01:29	JAT	
Hexanoic Acid [142-62-1]	230	U	ug/L	1	230	1000		VGC-13	01/23/11 01:29	JAT	
HIBA (2-Hydroxyisobutyric Acid) [594-61-6]	160	U	ug/L	1	160	500		VGC-13	01/23/11 01:29	JAT	
iso-Hexanoic Acid [646-07-1]	210	U	ug/L	1	210	1000		VGC-13	01/23/11 01:29	JAT	
iso-Pentanoic Acid [503-74-2]	260	U	ug/L	1	260	500		VGC-13	01/23/11 01:29	JAT	
Lactic Acid [50-21-5]	440	U	ug/L	1	440	500	NE	VGC-13	01/23/11 01:29	JAT	
Pentanoic Acid [109-52-4]	270	U	ug/L	1	270	500		VGC-13	01/23/11 01:29	JAT	
Propionic Acid [79-09-4]	180	U	ug/L	1	180	500	NE	VGC-13	01/23/11 01:29	JAT	
Pyruvic Acid [127-17-3]	140	U	ug/L	1	140	500	NE	VGC-13	01/23/11 01:29	JAT	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
Trimethylacetic acid	*59000*	*1*	*49800*	*118 %*	*80-124*	*1A21006*	*VGC-13*	*01/23/11 01:29*	*JAT*	

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Description: 3301-MW4 | **Lab Sample ID:** C100236-02 | **Received:** 01/19/11 10:30

Matrix: Ground Water | **Sampled:** 01/18/11 10:25 | **Work Order:** C100236

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Total Organic Carbon [ECL-0165]	**2800**		ug/L	1	280	1000	NE	SM18 5310B	01/24/11 18:25	JSW	

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

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Description: 3301-MW6 | **Lab Sample ID:** C100236-03 | **Received:** 01/19/11 10:30

Matrix: Ground Water | **Sampled:** 01/18/11 17:40 | **Work Order:** C100236

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	01/21/11 06:33	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	01/21/11 06:33	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	01/21/11 06:33	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	01/21/11 06:33	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	01/21/11 06:33	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	01/21/11 06:33	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	01/21/11 06:33	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	01/21/11 06:33	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	01/21/11 06:33	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	01/21/11 06:33	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	01/21/11 06:33	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	01/21/11 06:33	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/21/11 06:33	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	01/21/11 06:33	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	01/21/11 06:33	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	01/21/11 06:33	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	01/21/11 06:33	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	01/21/11 06:33	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	01/21/11 06:33	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	01/21/11 06:33	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	01/21/11 06:33	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	01/21/11 06:33	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	01/21/11 06:33	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	01/21/11 06:33	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/21/11 06:33	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	01/21/11 06:33	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	01/21/11 06:33	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	01/21/11 06:33	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	01/21/11 06:33	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	01/21/11 06:33	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	01/21/11 06:33	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	01/21/11 06:33	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	01/21/11 06:33	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	01/21/11 06:33	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	01/21/11 06:33	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	01/21/11 06:33	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	01/21/11 06:33	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	01/21/11 06:33	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	01/21/11 06:33	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	01/21/11 06:33	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/21/11 06:33	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	01/21/11 06:33	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/21/11 06:33	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	01/21/11 06:33	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	01/21/11 06:33	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	01/21/11 06:33	JKG	

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Description: 3301-MW6 | **Lab Sample ID:** C100236-03 | **Received:** 01/19/11 10:30

Matrix: Ground Water | **Sampled:** 01/18/11 17:40 | **Work Order:** C100236

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	01/21/11 06:33	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*47*	*1*	*50.0*	*94 %*	*51-122*	*1A20013*	*EPA 8260B*	*01/21/11 06:33*	*JKG*	
Dibromofluoromethane	*52*	*1*	*50.0*	*104 %*	*68-117*	*1A20013*	*EPA 8260B*	*01/21/11 06:33*	*JKG*	
Toluene-d8	*49*	*1*	*50.0*	*99 %*	*69-110*	*1A20013*	*EPA 8260B*	*01/21/11 06:33*	*JKG*	

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Description:	3301-MW6	**Lab Sample ID:**	C100236-03	**Received:**	01/19/11 10:30
Matrix:	Ground Water	**Sampled:**	01/18/11 17:40	**Work Order:**	C100236
Project:	Edgecombe County Landfill - Jan	**Sampled By:**	Michelle Logut		

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	01/21/11 14:51	NLH	

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Description: 3301-MW6 | **Lab Sample ID:** C100236-03 | **Received:** 01/19/11 10:30

Matrix: Ground Water | **Sampled:** 01/18/11 17:40 | **Work Order:** C100236

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

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

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	01/25/11 10:35	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	01/24/11 12:32	JDH	
Barium [7440-39-3] ^	**84.0**	J	ug/L	1	1.00	10.0	100	EPA 6010C	01/24/11 12:32	JDH	
Beryllium [7440-41-7] ^	**0.231**	J	ug/L	1	0.100	1.00	1	EPA 6010C	01/24/11 12:32	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	01/24/11 12:32	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	01/24/11 12:32	JDH	
Cobalt [7440-48-4] ^	**8.63**	J	ug/L	1	1.10	10.0	10	EPA 6010C	01/24/11 12:32	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	01/24/11 12:32	JDH	
Iron [7439-89-6] ^	**2350**		ug/L	1	22.0	50.0	300	EPA 6010C	01/24/11 12:32	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	01/24/11 12:32	JDH	
Manganese [7439-96-5] ^	**504**		ug/L	1	1.10	10.0	50	EPA 6010C	01/24/11 12:32	JDH	
Nickel [7440-02-0] ^	**6.49**	J	ug/L	1	1.80	10.0	50	EPA 6010C	01/24/11 12:32	JDH	
Selenium [7782-49-2] ^	**0.953**	J	ug/L	1	0.830	1.00	10	EPA 6020A	01/25/11 10:35	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	01/24/11 12:32	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	01/25/11 10:35	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	01/24/11 12:32	JDH	
Zinc [7440-66-6] ^	**25.8**		ug/L	1	3.80	10.0	10	EPA 6010C	01/24/11 12:32	JDH	

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Description: 3301-MW6
Matrix: Ground Water
Project: Edgecombe County Landfill - Jan

Lab Sample ID: C100236-03
Sampled: 01/18/11 17:40
Sampled By: Michelle Logut

Received: 01/19/11 10:30
Work Order: C100236

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Biochemical Oxygen Demand [ECL-0017] ^	2000	U	ug/L	1	2000	2000	NE	SM 5210B	01/19/11 17:15	JOC	
Chemical Oxygen Demand [ECL-0035] ^	**18000**		ug/L	1	2800	10000	NE	SM 5220D	01/25/11 15:51	JOC	
Chloride [16887-00-6] ^	**77000**		ug/L	1	18	5000	NE	EPA 300.0	01/21/11 19:36	AJB	
Nitrate as N [14797-55-8] ^	**35**	J	ug/L	1	25	100	10000	EPA 353.2	02/02/11 13:49	AJB	
Sulfate as SO4 [14808-79-8] ^	**46000**	J	ug/L	1	120	5000	250000	EPA 300.0	01/21/11 19:36	AJB	
Sulfide [18496-25-8] ^	10	U	ug/L	1	10	100	1000	SM18 4500-S D	01/21/11 13:39	JOC	
Total Alkalinity as CaCO3 [471-34-1] ^	**37000**		ug/L	1	8000	15000	NE	EPA 310.2	01/26/11 14:10	CCB	
Total Dissolved Solids [ECL-0156] ^	**240000**		ug/L	1	10000	10000	NE	SM 2540C	01/21/11 15:08	KER	

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Description: 3301-MW6
Matrix: Ground Water
Project: Edgecombe County Landfill - Jan

Lab Sample ID: C100236-03
Sampled: 01/18/11 17:40
Sampled By: Michelle Logut

Received: 01/19/11 10:30
Work Order: C100236

Dissolved Gases by GC

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Carbon dioxide [124-38-9]	**172000**		ug/L	1	2000	2500	NE	RSK-175	01/21/11 12:48	LAC	
Ethane [74-84-0]	1.50	U	ug/L	1	1.50	2.00	NE	RSK-175	01/21/11 12:48	LAC	
Ethene [74-85-1]	1.60	U	ug/L	1	1.60	2.00	NE	RSK-175	01/21/11 12:48	LAC	
Methane [74-82-8]	**9.98**		ug/L	1	0.490	1.00	NE	RSK-175	01/21/11 12:48	LAC	

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Description: 3301-MW6 | **Lab Sample ID:** C100236-03 | **Received:** 01/19/11 10:30

Matrix: Ground Water | **Sampled:** 01/18/11 17:40 | **Work Order:** C100236

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

Volatile Fatty Acids by HPLC

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Acetic Acid [64-19-7]	83	U	ug/L	1	83	500	NE	VGC-13	01/23/11 02:16	JAT	
Butyric Acid [107-92-6]	160	U	ug/L	1	160	500	NE	VGC-13	01/23/11 02:16	JAT	
Hexanoic Acid [142-62-1]	230	U	ug/L	1	230	1000		VGC-13	01/23/11 02:16	JAT	
HIBA (2-Hydroxyisobutyric Acid) [594-61-6]	160	U	ug/L	1	160	500		VGC-13	01/23/11 02:16	JAT	
iso-Hexanoic Acid [646-07-1]	210	U	ug/L	1	210	1000		VGC-13	01/23/11 02:16	JAT	
iso-Pentanoic Acid [503-74-2]	260	U	ug/L	1	260	500		VGC-13	01/23/11 02:16	JAT	
Lactic Acid [50-21-5]	440	U	ug/L	1	440	500	NE	VGC-13	01/23/11 02:16	JAT	
Pentanoic Acid [109-52-4]	270	U	ug/L	1	270	500		VGC-13	01/23/11 02:16	JAT	
Propionic Acid [79-09-4]	180	U	ug/L	1	180	500	NE	VGC-13	01/23/11 02:16	JAT	
Pyruvic Acid [127-17-3]	140	U	ug/L	1	140	500	NE	VGC-13	01/23/11 02:16	JAT	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
Trimethylacetic acid	*60000*	*1*	*49800*	*120 %*	*80-124*	*1A21006*	*VGC-13*	*01/23/11 02:16*	*JAT*	

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Description: 3301-MW6
Matrix: Ground Water
Project: Edgecombe County Landfill - Jan

Lab Sample ID: C100236-03
Sampled: 01/18/11 17:40
Sampled By: Michelle Logut

Received: 01/19/11 10:30
Work Order: C100236

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Total Organic Carbon [ECL-0165]	**2600**		ug/L	1	280	1000	NE	SM18 5310B	01/24/11 18:48	JSW	

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

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Description: 3301-MW9 | **Lab Sample ID:** C100236-04 | **Received:** 01/19/11 10:30

Matrix: Ground Water | **Sampled:** 01/18/11 12:45 | **Work Order:** C100236

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	01/21/11 07:01	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	01/21/11 07:01	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	01/21/11 07:01	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	01/21/11 07:01	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	01/21/11 07:01	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	01/21/11 07:01	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	01/21/11 07:01	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	01/21/11 07:01	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	01/21/11 07:01	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	01/21/11 07:01	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	01/21/11 07:01	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	01/21/11 07:01	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/21/11 07:01	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	01/21/11 07:01	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	01/21/11 07:01	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	01/21/11 07:01	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	01/21/11 07:01	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	01/21/11 07:01	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	01/21/11 07:01	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	01/21/11 07:01	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	01/21/11 07:01	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	01/21/11 07:01	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	01/21/11 07:01	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	01/21/11 07:01	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/21/11 07:01	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	01/21/11 07:01	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	01/21/11 07:01	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	01/21/11 07:01	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	01/21/11 07:01	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	01/21/11 07:01	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	01/21/11 07:01	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	01/21/11 07:01	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	01/21/11 07:01	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	01/21/11 07:01	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	01/21/11 07:01	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	01/21/11 07:01	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	01/21/11 07:01	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	01/21/11 07:01	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	01/21/11 07:01	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	01/21/11 07:01	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/21/11 07:01	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	01/21/11 07:01	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/21/11 07:01	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	01/21/11 07:01	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	01/21/11 07:01	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	01/21/11 07:01	JKG	

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Description: 3301-MW9 | **Lab Sample ID:** C100236-04 | **Received:** 01/19/11 10:30

Matrix: Ground Water | **Sampled:** 01/18/11 12:45 | **Work Order:** C100236

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	01/21/11 07:01	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*47*	*1*	*50.0*	*93 %*	*51-122*	*1A20013*	*EPA 8260B*	*01/21/11 07:01*	*JKG*	
Dibromofluoromethane	*49*	*1*	*50.0*	*99 %*	*68-117*	*1A20013*	*EPA 8260B*	*01/21/11 07:01*	*JKG*	
Toluene-d8	*48*	*1*	*50.0*	*97 %*	*69-110*	*1A20013*	*EPA 8260B*	*01/21/11 07:01*	*JKG*	

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Description:	3301-MW9	**Lab Sample ID:**	C100236-04	**Received:**	01/19/11 10:30
Matrix:	Ground Water	**Sampled:**	01/18/11 12:45	**Work Order:**	C100236
Project:	Edgecombe County Landfill - Jan	**Sampled By:**	Michelle Logut		

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	01/21/11 14:54	NLH	

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Description: 3301-MW9 | **Lab Sample ID:** C100236-04 | **Received:** 01/19/11 10:30

Matrix: Ground Water | **Sampled:** 01/18/11 12:45 | **Work Order:** C100236

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

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

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	01/25/11 10:39	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	01/24/11 12:34	JDH	
Barium [7440-39-3] ^	**190**		ug/L	1	1.00	10.0	100	EPA 6010C	01/24/11 12:34	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	01/24/11 12:34	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	01/24/11 12:34	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	01/24/11 12:34	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	01/24/11 12:34	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	01/24/11 12:34	JDH	
Iron [7439-89-6] ^	**5380**		ug/L	1	22.0	50.0	300	EPA 6010C	01/24/11 12:34	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	01/24/11 12:34	JDH	
Manganese [7439-96-5] ^	**64.6**		ug/L	1	1.10	10.0	50	EPA 6010C	01/24/11 12:34	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	01/24/11 12:34	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	01/25/11 10:39	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	01/24/11 12:34	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	01/25/11 10:39	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	01/24/11 12:34	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	01/24/11 12:34	JDH	

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Description: 3301-MW9 | **Lab Sample ID:** C100236-04 | **Received:** 01/19/11 10:30

Matrix: Ground Water | **Sampled:** 01/18/11 12:45 | **Work Order:** C100236

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

Metals (Dissolved) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	02/10/11 10:38	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	02/09/11 12:46	JDH	
Barium [7440-39-3] ^	**91.4**	J	ug/L	1	1.00	10.0	100	EPA 6010C	02/09/11 12:46	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	02/09/11 12:46	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	02/09/11 12:46	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	02/09/11 12:46	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	02/09/11 12:46	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	02/09/11 12:46	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	02/09/11 12:46	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	02/09/11 12:46	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	02/10/11 10:38	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	02/09/11 12:46	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	02/10/11 10:38	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	02/09/11 12:46	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	02/09/11 12:46	JDH	

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Description: 3301-MW9 | **Lab Sample ID:** C100236-04 | **Received:** 01/19/11 10:30

Matrix: Ground Water | **Sampled:** 01/18/11 12:45 | **Work Order:** C100236

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Biochemical Oxygen Demand [ECL-0017] ^	2000	U	ug/L	1	2000	2000	NE	SM 5210B	01/19/11 17:15	JOC	
Chemical Oxygen Demand [ECL-0035] ^	**7500**	J	ug/L	1	2800	10000	NE	SM 5220D	01/25/11 15:51	JOC	
Chloride [16887-00-6] ^	**3600**	J	ug/L	1	18	5000	NE	EPA 300.0	01/21/11 19:56	AJB	
Nitrate as N [14797-55-8] ^	25	U	ug/L	1	25	100	10000	EPA 353.2	02/02/11 13:49	AJB	
Sulfate as SO4 [14808-79-8] ^	**3300**	J	ug/L	1	120	5000	250000	EPA 300.0	01/21/11 19:56	AJB	
Sulfide [18496-25-8] ^	10	U	ug/L	1	10	100	1000	SM18 4500-S D	01/21/11 13:39	JOC	
Total Alkalinity as CaCO3 [471-34-1] ^	**95000**		ug/L	1	8000	15000	NE	EPA 310.2	01/26/11 14:11	CCB	
Total Dissolved Solids [ECL-0156] ^	**110000**		ug/L	1	10000	10000	NE	SM 2540C	01/21/11 15:08	KER	

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Description: 3301-MW9
Matrix: Ground Water
Project: Edgecombe County Landfill - Jan

Lab Sample ID: C100236-04
Sampled: 01/18/11 12:45
Sampled By: Michelle Logut

Received: 01/19/11 10:30
Work Order: C100236

Dissolved Gases by GC

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Carbon dioxide [124-38-9]	**11300**		ug/L	1	2000	2500	NE	RSK-175	01/21/11 12:52	LAC	
Ethane [74-84-0]	1.50	U	ug/L	1	1.50	2.00	NE	RSK-175	01/21/11 12:52	LAC	
Ethene [74-85-1]	1.60	U	ug/L	1	1.60	2.00	NE	RSK-175	01/21/11 12:52	LAC	
Methane [74-82-8]	0.490	U	ug/L	1	0.490	1.00	NE	RSK-175	01/21/11 12:52	LAC	

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Description: 3301-MW9 | **Lab Sample ID:** C100236-04 | **Received:** 01/19/11 10:30

Matrix: Ground Water | **Sampled:** 01/18/11 12:45 | **Work Order:** C100236

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

Volatile Fatty Acids by HPLC

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Acetic Acid [64-19-7]	83	U	ug/L	1	83	500	NE	VGC-13	01/23/11 03:02	JAT	
Butyric Acid [107-92-6]	160	U	ug/L	1	160	500	NE	VGC-13	01/23/11 03:02	JAT	
Hexanoic Acid [142-62-1]	230	U	ug/L	1	230	1000		VGC-13	01/23/11 03:02	JAT	
HIBA (2-Hydroxyisobutyric Acid) [594-61-6]	160	U	ug/L	1	160	500		VGC-13	01/23/11 03:02	JAT	
iso-Hexanoic Acid [646-07-1]	210	U	ug/L	1	210	1000		VGC-13	01/23/11 03:02	JAT	
iso-Pentanoic Acid [503-74-2]	260	U	ug/L	1	260	500		VGC-13	01/23/11 03:02	JAT	
Lactic Acid [50-21-5]	440	U	ug/L	1	440	500	NE	VGC-13	01/23/11 03:02	JAT	
Pentanoic Acid [109-52-4]	270	U	ug/L	1	270	500		VGC-13	01/23/11 03:02	JAT	
Propionic Acid [79-09-4]	180	U	ug/L	1	180	500	NE	VGC-13	01/23/11 03:02	JAT	
Pyruvic Acid [127-17-3]	140	U	ug/L	1	140	500	NE	VGC-13	01/23/11 03:02	JAT	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
Trimethylacetic acid	*61000*	*1*	*49800*	*123 %*	*80-124*	*1A21006*	*VGC-13*	*01/23/11 03:02*	*JAT*	

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Description: 3301-MW9 | **Lab Sample ID:** C100236-04 | **Received:** 01/19/11 10:30

Matrix: Ground Water | **Sampled:** 01/18/11 12:45 | **Work Order:** C100236

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Total Organic Carbon [ECL-0165]	**410**	J	ug/L	1	280	1000	NE	SM18 5310B	01/24/11 19:10	JSW	

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

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Description: 3301-MW14 | **Lab Sample ID:** C100236-05 | **Received:** 01/19/11 10:30

Matrix: Ground Water | **Sampled:** 01/18/11 16:45 | **Work Order:** C100236

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	01/22/11 07:09	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	01/22/11 07:09	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	01/22/11 07:09	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	01/22/11 07:09	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	01/22/11 07:09	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	01/22/11 07:09	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	01/22/11 07:09	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	01/22/11 07:09	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	01/22/11 07:09	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	01/22/11 07:09	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	01/22/11 07:09	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	01/22/11 07:09	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/22/11 07:09	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	01/22/11 07:09	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	01/22/11 07:09	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	01/22/11 07:09	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	01/22/11 07:09	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	01/22/11 07:09	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	01/22/11 07:09	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	01/22/11 07:09	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	01/22/11 07:09	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	01/22/11 07:09	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	01/22/11 07:09	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	01/22/11 07:09	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/22/11 07:09	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	01/22/11 07:09	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	01/22/11 07:09	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	01/22/11 07:09	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	01/22/11 07:09	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	01/22/11 07:09	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	01/22/11 07:09	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	01/22/11 07:09	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	01/22/11 07:09	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	01/22/11 07:09	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	01/22/11 07:09	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	01/22/11 07:09	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	01/22/11 07:09	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	01/22/11 07:09	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	01/22/11 07:09	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	01/22/11 07:09	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/22/11 07:09	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	01/22/11 07:09	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/22/11 07:09	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	01/22/11 07:09	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	01/22/11 07:09	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	01/22/11 07:09	JKG	

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Description: 3301-MW14 | **Lab Sample ID:** C100236-05 | **Received:** 01/19/11 10:30

Matrix: Ground Water | **Sampled:** 01/18/11 16:45 | **Work Order:** C100236

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	01/22/11 07:09	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*47*	*1*	*50.0*	*94 %*	*51-122*	*1A21039*	*EPA 8260B*	*01/22/11 07:09*	*JKG*	
Dibromofluoromethane	*54*	*1*	*50.0*	*108 %*	*68-117*	*1A21039*	*EPA 8260B*	*01/22/11 07:09*	*JKG*	
Toluene-d8	*52*	*1*	*50.0*	*104 %*	*69-110*	*1A21039*	*EPA 8260B*	*01/22/11 07:09*	*JKG*	

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Description:	3301-MW14	**Lab Sample ID:**	C100236-05	**Received:**	01/19/11 10:30
Matrix:	Ground Water	**Sampled:**	01/18/11 16:45	**Work Order:**	C100236
Project:	Edgecombe County Landfill - Jan	**Sampled By:**	Michelle Logut		

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	01/21/11 14:57	NLH	

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Description: 3301-MW14 | **Lab Sample ID:** C100236-05 | **Received:** 01/19/11 10:30

Matrix: Ground Water | **Sampled:** 01/18/11 16:45 | **Work Order:** C100236

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

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

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	01/25/11 10:43	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	01/24/11 12:37	JDH	
Barium [7440-39-3] ^	**245**		ug/L	1	1.00	10.0	100	EPA 6010C	01/24/11 12:37	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	01/24/11 12:37	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	01/24/11 12:37	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	01/24/11 12:37	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	01/24/11 12:37	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	01/24/11 12:37	JDH	
Iron [7439-89-6] ^	**5810**		ug/L	1	22.0	50.0	300	EPA 6010C	01/24/11 12:37	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	01/24/11 12:37	JDH	
Manganese [7439-96-5] ^	**184**		ug/L	1	1.10	10.0	50	EPA 6010C	01/24/11 12:37	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	01/24/11 12:37	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	01/25/11 10:43	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	01/24/11 12:37	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	01/25/11 10:43	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	01/24/11 12:37	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	01/24/11 12:37	JDH	

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Description: 3301-MW14 | **Lab Sample ID:** C100236-05 | **Received:** 01/19/11 10:30

Matrix: Ground Water | **Sampled:** 01/18/11 16:45 | **Work Order:** C100236

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Biochemical Oxygen Demand [ECL-0017] ^	**2300**		ug/L	1	2000	2000	NE	SM 5210B	01/19/11 17:15	JOC	
Chemical Oxygen Demand [ECL-0035] ^	**16000**		ug/L	1	2800	10000	NE	SM 5220D	01/25/11 15:51	JOC	
Chloride [16887-00-6] ^	**18000**		ug/L	1	18	5000	NE	EPA 300.0	01/21/11 20:16	AJB	
Nitrate as N [14797-55-8] ^	**70**	J	ug/L	1	25	100	10000	EPA 353.2	02/02/11 13:49	AJB	
Sulfate as SO4 [14808-79-8] ^	**52000**	J	ug/L	1	120	5000	250000	EPA 300.0	01/21/11 20:16	AJB	
Sulfide [18496-25-8] ^	**83**	J	ug/L	1	10	100	1000	SM18 4500-S D	01/21/11 13:39	JOC	
Total Alkalinity as CaCO3 [471-34-1] ^	**140000**		ug/L	1	8000	15000	NE	EPA 310.2	01/26/11 14:12	CCB	
Total Dissolved Solids [ECL-0156] ^	**220000**		ug/L	1	10000	10000	NE	SM 2540C	01/21/11 15:08	KER	

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Description: 3301-MW14
Matrix: Ground Water
Project: Edgecombe County Landfill - Jan

Lab Sample ID: C100236-05
Sampled: 01/18/11 16:45
Sampled By: Michelle Logut

Received: 01/19/11 10:30
Work Order: C100236

Dissolved Gases by GC

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Carbon dioxide [124-38-9]	**105000**		ug/L	1	2000	2500	NE	RSK-175	01/21/11 12:56	LAC	
Ethane [74-84-0]	1.50	U	ug/L	1	1.50	2.00	NE	RSK-175	01/21/11 12:56	LAC	
Ethene [74-85-1]	1.60	U	ug/L	1	1.60	2.00	NE	RSK-175	01/21/11 12:56	LAC	
Methane [74-82-8]	**64.3**		ug/L	1	0.490	1.00	NE	RSK-175	01/21/11 12:56	LAC	

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Description: 3301-MW14 | **Lab Sample ID:** C100236-05 | **Received:** 01/19/11 10:30

Matrix: Ground Water | **Sampled:** 01/18/11 16:45 | **Work Order:** C100236

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

Volatile Fatty Acids by HPLC

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Acetic Acid [64-19-7]	83	U	ug/L	1	83	500	NE	VGC-13	01/23/11 03:49	JAT	
Butyric Acid [107-92-6]	160	U	ug/L	1	160	500	NE	VGC-13	01/23/11 03:49	JAT	
Hexanoic Acid [142-62-1]	230	U	ug/L	1	230	1000		VGC-13	01/23/11 03:49	JAT	
HIBA (2-Hydroxyisobutyric Acid) [594-61-6]	160	U	ug/L	1	160	500		VGC-13	01/23/11 03:49	JAT	
iso-Hexanoic Acid [646-07-1]	210	U	ug/L	1	210	1000		VGC-13	01/23/11 03:49	JAT	
iso-Pentanoic Acid [503-74-2]	260	U	ug/L	1	260	500		VGC-13	01/23/11 03:49	JAT	
Lactic Acid [50-21-5]	440	U	ug/L	1	440	500	NE	VGC-13	01/23/11 03:49	JAT	
Pentanoic Acid [109-52-4]	270	U	ug/L	1	270	500		VGC-13	01/23/11 03:49	JAT	
Propionic Acid [79-09-4]	180	U	ug/L	1	180	500	NE	VGC-13	01/23/11 03:49	JAT	
Pyruvic Acid [127-17-3]	140	U	ug/L	1	140	500	NE	VGC-13	01/23/11 03:49	JAT	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
Trimethylacetic acid	*59000*	*1*	*49800*	*118 %*	*80-124*	*1A21006*	*VGC-13*	*01/23/11 03:49*	*JAT*	

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Description: 3301-MW14
Matrix: Ground Water
Project: Edgecombe County Landfill - Jan

Lab Sample ID: C100236-05
Sampled: 01/18/11 16:45
Sampled By: Michelle Logut

Received: 01/19/11 10:30
Work Order: C100236

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Total Organic Carbon [ECL-0165]	**3700**		ug/L	1	280	1000	NE	SM18 5310B	01/24/11 20:00	JSW	

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

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Description: 3301-MW16 | **Lab Sample ID:** C100236-06 | **Received:** 01/19/11 10:30

Matrix: Ground Water | **Sampled:** 01/18/11 15:35 | **Work Order:** C100236

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	01/22/11 07:38	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	01/22/11 07:38	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	01/22/11 07:38	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	01/22/11 07:38	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	01/22/11 07:38	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	01/22/11 07:38	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	01/22/11 07:38	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	01/22/11 07:38	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	01/22/11 07:38	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	01/22/11 07:38	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	01/22/11 07:38	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	01/22/11 07:38	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/22/11 07:38	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	01/22/11 07:38	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	01/22/11 07:38	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	01/22/11 07:38	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	01/22/11 07:38	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	01/22/11 07:38	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	01/22/11 07:38	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	01/22/11 07:38	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	01/22/11 07:38	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	01/22/11 07:38	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	01/22/11 07:38	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	01/22/11 07:38	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/22/11 07:38	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	01/22/11 07:38	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	01/22/11 07:38	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	01/22/11 07:38	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	01/22/11 07:38	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	01/22/11 07:38	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	01/22/11 07:38	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	01/22/11 07:38	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	01/22/11 07:38	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	01/22/11 07:38	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	01/22/11 07:38	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	01/22/11 07:38	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	01/22/11 07:38	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	01/22/11 07:38	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	01/22/11 07:38	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	01/22/11 07:38	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/22/11 07:38	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	01/22/11 07:38	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/22/11 07:38	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	01/22/11 07:38	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	01/22/11 07:38	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	01/22/11 07:38	JKG	

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Description: 3301-MW16 | **Lab Sample ID:** C100236-06 | **Received:** 01/19/11 10:30

Matrix: Ground Water | **Sampled:** 01/18/11 15:35 | **Work Order:** C100236

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	01/22/11 07:38	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*48*	*1*	*50.0*	*95 %*	*51-122*	*1A21039*	*EPA 8260B*	*01/22/11 07:38*	*JKG*	
Dibromofluoromethane	*52*	*1*	*50.0*	*104 %*	*68-117*	*1A21039*	*EPA 8260B*	*01/22/11 07:38*	*JKG*	
Toluene-d8	*52*	*1*	*50.0*	*104 %*	*69-110*	*1A21039*	*EPA 8260B*	*01/22/11 07:38*	*JKG*	

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Description:	3301-MW16	**Lab Sample ID:**	C100236-06	**Received:**	01/19/11 10:30
Matrix:	Ground Water	**Sampled:**	01/18/11 15:35	**Work Order:**	C100236
Project:	Edgecombe County Landfill - Jan	**Sampled By:**	Michelle Logut		

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	01/21/11 15:00	NLH	

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Description: 3301-MW16 | **Lab Sample ID:** C100236-06 | **Received:** 01/19/11 10:30

Matrix: Ground Water | **Sampled:** 01/18/11 15:35 | **Work Order:** C100236

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

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

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	01/25/11 10:46	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	01/24/11 12:39	JDH	
Barium [7440-39-3] ^	**315**		ug/L	1	1.00	10.0	100	EPA 6010C	01/24/11 12:39	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	01/24/11 12:39	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	01/24/11 12:39	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	01/24/11 12:39	JDH	
Cobalt [7440-48-4] ^	**1.86**	J	ug/L	1	1.10	10.0	10	EPA 6010C	01/24/11 12:39	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	01/24/11 12:39	JDH	
Iron [7439-89-6] ^	**52200**		ug/L	1	22.0	50.0	300	EPA 6010C	01/24/11 12:39	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	01/24/11 12:39	JDH	
Manganese [7439-96-5] ^	**415**		ug/L	1	1.10	10.0	50	EPA 6010C	01/24/11 12:39	JDH	
Nickel [7440-02-0] ^	**2.76**	J	ug/L	1	1.80	10.0	50	EPA 6010C	01/24/11 12:39	JDH	
Selenium [7782-49-2] ^	**1.41**	J	ug/L	1	0.830	1.00	10	EPA 6020A	01/25/11 10:46	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	01/24/11 12:39	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	01/25/11 10:46	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	01/24/11 12:39	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	01/24/11 12:39	JDH	

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Description: 3301-MW16 | **Lab Sample ID:** C100236-06 | **Received:** 01/19/11 10:30

Matrix: Ground Water | **Sampled:** 01/18/11 15:35 | **Work Order:** C100236

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Biochemical Oxygen Demand [ECL-0017] ^	2000	U	ug/L	1	2000	2000	NE	SM 5210B	01/19/11 17:15	JOC	
Chemical Oxygen Demand [ECL-0035] ^	**48000**		ug/L	1	2800	10000	NE	SM 5220D	01/25/11 15:51	JOC	
Chloride [16887-00-6] ^	**24000**		ug/L	1	18	5000	NE	EPA 300.0	01/21/11 21:14	AJB	
Nitrate as N [14797-55-8] ^	**81**	J	ug/L	1	25	100	10000	EPA 353.2	02/02/11 13:49	AJB	
Sulfate as SO4 [14808-79-8] ^	**2900**	J	ug/L	1	120	5000	250000	EPA 300.0	01/21/11 21:14	AJB	
Sulfide [18496-25-8] ^	**75**	J	ug/L	1	10	100	1000	SM18 4500-S D	01/21/11 13:39	JOC	
Total Alkalinity as CaCO3 [471-34-1] ^	**200000**	D	ug/L	5	40000	75000	NE	EPA 310.2	01/26/11 15:13	CCB	
Total Dissolved Solids [ECL-0156] ^	**310000**		ug/L	1	10000	10000	NE	SM 2540C	01/21/11 15:08	KER	

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Description: 3301-MW16
Matrix: Ground Water
Project: Edgecombe County Landfill - Jan

Lab Sample ID: C100236-06
Sampled: 01/18/11 15:35
Sampled By: Michelle Logut

Received: 01/19/11 10:30
Work Order: C100236

Dissolved Gases by GC

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Carbon dioxide [124-38-9]	**34000**		ug/L	1	2000	2500	NE	RSK-175	01/21/11 13:15	LAC	
Ethane [74-84-0]	1.50	U	ug/L	1	1.50	2.00	NE	RSK-175	01/21/11 13:00	LAC	
Ethene [74-85-1]	1.60	U	ug/L	1	1.60	2.00	NE	RSK-175	01/21/11 13:00	LAC	
Methane [74-82-8]	**6870**		ug/L	1	0.490	1.00	NE	RSK-175	01/21/11 13:00	LAC	

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Description: 3301-MW16 | **Lab Sample ID:** C100236-06 | **Received:** 01/19/11 10:30

Matrix: Ground Water | **Sampled:** 01/18/11 15:35 | **Work Order:** C100236

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

Volatile Fatty Acids by HPLC

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Acetic Acid [64-19-7]	83	U	ug/L	1	83	500	NE	VGC-13	01/23/11 04:35	JAT	
Butyric Acid [107-92-6]	160	U	ug/L	1	160	500	NE	VGC-13	01/23/11 04:35	JAT	
Hexanoic Acid [142-62-1]	230	U	ug/L	1	230	1000		VGC-13	01/23/11 04:35	JAT	
HIBA (2-Hydroxyisobutyric Acid) [594-61-6]	160	U	ug/L	1	160	500		VGC-13	01/23/11 04:35	JAT	
iso-Hexanoic Acid [646-07-1]	210	U	ug/L	1	210	1000		VGC-13	01/23/11 04:35	JAT	
iso-Pentanoic Acid [503-74-2]	260	U	ug/L	1	260	500		VGC-13	01/23/11 04:35	JAT	
Lactic Acid [50-21-5]	440	U	ug/L	1	440	500	NE	VGC-13	01/23/11 04:35	JAT	
Pentanoic Acid [109-52-4]	270	U	ug/L	1	270	500		VGC-13	01/23/11 04:35	JAT	
Propionic Acid [79-09-4]	180	U	ug/L	1	180	500	NE	VGC-13	01/23/11 04:35	JAT	
Pyruvic Acid [127-17-3]	140	U	ug/L	1	140	500	NE	VGC-13	01/23/11 04:35	JAT	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
Trimethylacetic acid	*52000*	*1*	*49800*	*105 %*	*80-124*	*1A21006*	*VGC-13*	*01/23/11 04:35*	*JAT*	

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Description:	3301-MW16	**Lab Sample ID:**	C100236-06	**Received:**	01/19/11 10:30
Matrix:	Ground Water	**Sampled:**	01/18/11 15:35	**Work Order:**	C100236
Project:	Edgecombe County Landfill - Jan	**Sampled By:**	Michelle Logut		

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Total Organic Carbon [ECL-0165]	**12000**		ug/L	1	280	1000	NE	SM18 5310B	01/24/11 20:28	JSW	

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

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Description: 3301-SW2 | **Lab Sample ID:** C100236-07 | **Received:** 01/19/11 10:30

Matrix: Ground Water | **Sampled:** 01/18/11 15:20 | **Work Order:** C100236

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	01/22/11 08:07	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	01/22/11 08:07	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	01/22/11 08:07	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	01/22/11 08:07	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	01/22/11 08:07	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	01/22/11 08:07	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	01/22/11 08:07	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	01/22/11 08:07	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	01/22/11 08:07	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	01/22/11 08:07	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	01/22/11 08:07	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	01/22/11 08:07	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/22/11 08:07	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	01/22/11 08:07	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	01/22/11 08:07	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	01/22/11 08:07	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	01/22/11 08:07	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	01/22/11 08:07	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	01/22/11 08:07	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	01/22/11 08:07	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	01/22/11 08:07	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	01/22/11 08:07	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	01/22/11 08:07	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	01/22/11 08:07	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/22/11 08:07	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	01/22/11 08:07	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	01/22/11 08:07	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	01/22/11 08:07	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	01/22/11 08:07	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	01/22/11 08:07	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	01/22/11 08:07	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	01/22/11 08:07	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	01/22/11 08:07	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	01/22/11 08:07	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	01/22/11 08:07	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	01/22/11 08:07	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	01/22/11 08:07	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	01/22/11 08:07	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	01/22/11 08:07	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	01/22/11 08:07	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/22/11 08:07	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	01/22/11 08:07	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/22/11 08:07	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	01/22/11 08:07	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	01/22/11 08:07	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	01/22/11 08:07	JKG	

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Description: 3301-SW2 | **Lab Sample ID:** C100236-07 | **Received:** 01/19/11 10:30

Matrix: Ground Water | **Sampled:** 01/18/11 15:20 | **Work Order:** C100236

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	01/22/11 08:07	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*46*	*1*	*50.0*	*93 %*	*51-122*	*1A21039*	*EPA 8260B*	*01/22/11 08:07*	*JKG*	
Dibromofluoromethane	*52*	*1*	*50.0*	*103 %*	*68-117*	*1A21039*	*EPA 8260B*	*01/22/11 08:07*	*JKG*	
Toluene-d8	*49*	*1*	*50.0*	*98 %*	*69-110*	*1A21039*	*EPA 8260B*	*01/22/11 08:07*	*JKG*	

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Description: 3301-SW2 | **Lab Sample ID:** C100236-07 | **Received:** 01/19/11 10:30

Matrix: Ground Water | **Sampled:** 01/18/11 15:20 | **Work Order:** C100236

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

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

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	01/25/11 10:50	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	01/24/11 12:41	JDH	
Barium [7440-39-3] ^	**70.6**	J	ug/L	1	1.00	10.0	100	EPA 6010C	01/24/11 12:41	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	01/24/11 12:41	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	01/24/11 12:41	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	01/24/11 12:41	JDH	
Cobalt [7440-48-4] ^	**4.88**	J	ug/L	1	1.10	10.0	10	EPA 6010C	01/24/11 12:41	JDH	
Copper [7440-50-8] ^	**1.65**	J	ug/L	1	1.60	10.0	10	EPA 6010C	01/24/11 12:41	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	01/24/11 12:41	JDH	
Nickel [7440-02-0] ^	**4.96**	J	ug/L	1	1.80	10.0	50	EPA 6010C	01/24/11 12:41	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	01/25/11 10:50	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	01/24/11 12:41	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	01/25/11 10:50	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	01/24/11 12:41	JDH	
Zinc [7440-66-6] ^	**14.1**		ug/L	1	3.80	10.0	10	EPA 6010C	01/24/11 12:41	JDH	

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

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Description: 3301-Trip Blank | **Lab Sample ID:** C100236-08 | **Received:** 01/19/11 10:30

Matrix: Water | **Sampled:** 01/18/11 10:25 | **Work Order:** C100236

Project: Edgecombe County Landfill - Jan | **Sampled By:** ENCO

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	01/22/11 08:36	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	01/22/11 08:36	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	01/22/11 08:36	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	01/22/11 08:36	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	01/22/11 08:36	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	01/22/11 08:36	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	01/22/11 08:36	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	01/22/11 08:36	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	01/22/11 08:36	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	01/22/11 08:36	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	01/22/11 08:36	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	01/22/11 08:36	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/22/11 08:36	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	01/22/11 08:36	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	01/22/11 08:36	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	01/22/11 08:36	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	01/22/11 08:36	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	01/22/11 08:36	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	01/22/11 08:36	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	01/22/11 08:36	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	01/22/11 08:36	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	01/22/11 08:36	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	01/22/11 08:36	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	01/22/11 08:36	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/22/11 08:36	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	01/22/11 08:36	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	01/22/11 08:36	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	01/22/11 08:36	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	01/22/11 08:36	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	01/22/11 08:36	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	01/22/11 08:36	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	01/22/11 08:36	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	01/22/11 08:36	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	01/22/11 08:36	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	01/22/11 08:36	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	01/22/11 08:36	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	01/22/11 08:36	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	01/22/11 08:36	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	01/22/11 08:36	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	01/22/11 08:36	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/22/11 08:36	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	01/22/11 08:36	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/22/11 08:36	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	01/22/11 08:36	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	01/22/11 08:36	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	01/22/11 08:36	JKG	

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Description: 3301-Trip Blank
Matrix: Water
Project: Edgecombe County Landfill - Jan

Lab Sample ID: C100236-08
Sampled: 01/18/11 10:25
Sampled By: ENCO

Received: 01/19/11 10:30
Work Order: C100236

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	01/22/11 08:36	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*46*	*1*	*50.0*	*91 %*	*51-122*	*1A21039*	*EPA 8260B*	*01/22/11 08:36*	*JKG*	
Dibromofluoromethane	*54*	*1*	*50.0*	*107 %*	*68-117*	*1A21039*	*EPA 8260B*	*01/22/11 08:36*	*JKG*	
Toluene-d8	*51*	*1*	*50.0*	*101 %*	*69-110*	*1A21039*	*EPA 8260B*	*01/22/11 08:36*	*JKG*	

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

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Description: 3301-MW5 | **Lab Sample ID:** C100745-01 | **Received:** 01/20/11 13:05

Matrix: Ground Water | **Sampled:** 01/19/11 15:35 | **Work Order:** C100745

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	4.0	UD	ug/L	10	4.0	10	5	EPA 8260B	01/28/11 07:58	jkg	
1,1,1-Trichloroethane [71-55-6] ^	2.7	UD	ug/L	10	2.7	10	1	EPA 8260B	01/28/11 07:58	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	3.3	UD	ug/L	10	3.3	10	3	EPA 8260B	01/28/11 07:58	jkg	
1,1,2-Trichloroethane [79-00-5] ^	3.7	UD	ug/L	10	3.7	10	1	EPA 8260B	01/28/11 07:58	jkg	
1,1-Dichloroethane [75-34-3] ^	**6.2**	JD	ug/L	10	3.3	10	5	EPA 8260B	01/28/11 07:58	jkg	
1,1-Dichloroethene [75-35-4] ^	2.4	UD	ug/L	10	2.4	10	5	EPA 8260B	01/28/11 07:58	jkg	
1,2,3-Trichloropropane [96-18-4] ^	5.5	UD	ug/L	10	5.5	10	1	EPA 8260B	01/28/11 07:58	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	4.8	UD	ug/L	10	4.8	10	13	EPA 8260B	01/28/11 07:58	jkg	
1,2-Dibromoethane [106-93-4] ^	4.2	UD	ug/L	10	4.2	10	1	EPA 8260B	01/28/11 07:58	jkg	
1,2-Dichlorobenzene [95-50-1] ^	2.7	UD	ug/L	10	2.7	10	5	EPA 8260B	01/28/11 07:58	jkg	
1,2-Dichloroethane [107-06-2] ^	6.5	UD	ug/L	10	6.5	10	1	EPA 8260B	01/28/11 07:58	jkg	
1,2-Dichloropropane [78-87-5] ^	2.0	UD	ug/L	10	2.0	10	1	EPA 8260B	01/28/11 07:58	jkg	
1,4-Dichlorobenzene [106-46-7] ^	**9.3**	JD	ug/L	10	3.8	10	1	EPA 8260B	01/28/11 07:58	jkg	
2-Butanone [78-93-3] ^	10	UD	ug/L	10	10	50	100	EPA 8260B	01/28/11 07:58	jkg	
2-Hexanone [591-78-6] ^	6.9	UD	ug/L	10	6.9	50	50	EPA 8260B	01/28/11 07:58	jkg	
4-Methyl-2-pentanone [108-10-1] ^	11	UD	ug/L	10	11	50	100	EPA 8260B	01/28/11 07:58	jkg	
Acetone [67-64-1] ^	15	UD	ug/L	10	15	50	100	EPA 8260B	01/28/11 07:58	jkg	
Acrylonitrile [107-13-1] ^	21	UD	ug/L	10	21	100	200	EPA 8260B	01/28/11 07:58	jkg	
Benzene [71-43-2] ^	2.0	UD	ug/L	10	2.0	10	1	EPA 8260B	01/28/11 07:58	jkg	
Bromochloromethane [74-97-5] ^	4.2	UD	ug/L	10	4.2	10	3	EPA 8260B	01/28/11 07:58	jkg	
Bromodichloromethane [75-27-4] ^	3.7	UD	ug/L	10	3.7	10	1	EPA 8260B	01/28/11 07:58	jkg	
Bromoform [75-25-2] ^	7.1	UD	ug/L	10	7.1	10	3	EPA 8260B	01/28/11 07:58	jkg	
Bromomethane [74-83-9] ^	4.9	UD	ug/L	10	4.9	10	10	EPA 8260B	01/28/11 07:58	jkg	
Carbon disulfide [75-15-0] ^	5.4	UD	ug/L	10	5.4	50	100	EPA 8260B	01/28/11 07:58	jkg	
Carbon tetrachloride [56-23-5] ^	3.8	UD	ug/L	10	3.8	10	1	EPA 8260B	01/28/11 07:58	jkg	
Chlorobenzene [108-90-7] ^	**14**	D	ug/L	10	2.7	10	3	EPA 8260B	01/28/11 07:58	jkg	
Chloroethane [75-00-3] ^	3.0	UD	ug/L	10	3.0	10	10	EPA 8260B	01/28/11 07:58	jkg	
Chloroform [67-66-3] ^	2.0	UD	ug/L	10	2.0	10	5	EPA 8260B	01/28/11 07:58	jkg	
Chloromethane [74-87-3] ^	3.4	UD	ug/L	10	3.4	10	1	EPA 8260B	01/28/11 07:58	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	**470**	D	ug/L	10	3.6	10	5	EPA 8260B	01/28/11 07:58	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	2.8	UD	ug/L	10	2.8	10	1	EPA 8260B	01/28/11 07:58	jkg	
Dibromochloromethane [124-48-1] ^	3.2	UD	ug/L	10	3.2	10	3	EPA 8260B	01/28/11 07:58	jkg	
Dibromomethane [74-95-3] ^	3.7	UD	ug/L	10	3.7	10	10	EPA 8260B	01/28/11 07:58	jkg	
Ethylbenzene [100-41-4] ^	2.0	UD	ug/L	10	2.0	10	1	EPA 8260B	01/28/11 07:58	jkg	
Iodomethane [74-88-4] ^	5.2	UD	ug/L	10	5.2	50	10	EPA 8260B	01/28/11 07:58	jkg	
Methylene chloride [75-09-2] ^	5.3	UD	ug/L	10	5.3	10	1	EPA 8260B	01/28/11 07:58	jkg	
Styrene [100-42-5] ^	2.6	UD	ug/L	10	2.6	10	1	EPA 8260B	01/28/11 07:58	jkg	
Tetrachloroethene [127-18-4] ^	3.6	UD	ug/L	10	3.6	10	1	EPA 8260B	01/28/11 07:58	jkg	
Toluene [108-88-3] ^	2.7	UD	ug/L	10	2.7	10	1	EPA 8260B	01/28/11 07:58	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	3.4	UD	ug/L	10	3.4	10	5	EPA 8260B	01/28/11 07:58	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	3.8	UD	ug/L	10	3.8	10	1	EPA 8260B	01/28/11 07:58	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	5.4	UD	ug/L	10	5.4	10	100	EPA 8260B	01/28/11 07:58	jkg	
Trichloroethene [79-01-6] ^	3.8	UD	ug/L	10	3.8	10	1	EPA 8260B	01/28/11 07:58	jkg	
Trichlorofluoromethane [75-69-4] ^	2.8	UD	ug/L	10	2.8	10	1	EPA 8260B	01/28/11 07:58	jkg	
Vinyl acetate [108-05-4] ^	9.8	UD	ug/L	10	9.8	50	50	EPA 8260B	01/28/11 07:58	jkg	
Vinyl chloride [75-01-4] ^	**27**	D	ug/L	10	3.0	10	1	EPA 8260B	01/28/11 07:58	jkg	

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Description: 3301-MW5 | **Lab Sample ID:** C100745-01 | **Received:** 01/20/11 13:05

Matrix: Ground Water | **Sampled:** 01/19/11 15:35 | **Work Order:** C100745

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	4.0	UD	ug/L	10	4.0	10	5	EPA 8260B	01/28/11 07:58	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*53*	*1*	*50.0*	*107 %*	*51-122*	*1A27027*	*EPA 8260B*	*01/28/11 07:58*	*jkg*	
Dibromofluoromethane	*46*	*1*	*50.0*	*93 %*	*68-117*	*1A27027*	*EPA 8260B*	*01/28/11 07:58*	*jkg*	
Toluene-d8	*49*	*1*	*50.0*	*97 %*	*69-110*	*1A27027*	*EPA 8260B*	*01/28/11 07:58*	*jkg*	

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Description:	3301-MW5	**Lab Sample ID:**	C100745-01	**Received:**	01/20/11 13:05
Matrix:	Ground Water	**Sampled:**	01/19/11 15:35	**Work Order:**	C100745
Project:	Edgecombe County Landfill - Jan	**Sampled By:**	Michelle Logut		

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	01/21/11 15:17	NLH	

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Description: 3301-MW5 | **Lab Sample ID:** C100745-01 | **Received:** 01/20/11 13:05

Matrix: Ground Water | **Sampled:** 01/19/11 15:35 | **Work Order:** C100745

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

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

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	**0.600**	J	ug/L	1	0.220	2.00	6	EPA 6020A	01/28/11 13:37	VLO	
Arsenic [7440-38-2] ^	**9.89**	J	ug/L	1	2.80	10.0	10	EPA 6010C	01/31/11 11:02	JDH	
Barium [7440-39-3] ^	**231**		ug/L	1	1.00	10.0	100	EPA 6010C	01/31/11 11:02	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	01/31/11 11:02	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	01/31/11 11:02	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	01/31/11 11:02	JDH	
Cobalt [7440-48-4] ^	**177**		ug/L	1	1.10	10.0	10	EPA 6010C	01/31/11 11:02	JDH	
Copper [7440-50-8] ^	**7.55**	J	ug/L	1	1.60	10.0	10	EPA 6010C	01/31/11 11:02	JDH	
Iron [7439-89-6] ^	**115000**		ug/L	1	22.0	50.0	300	EPA 6010C	01/31/11 11:02	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	01/31/11 11:02	JDH	
Manganese [7439-96-5] ^	**35000**	D	ug/L	10	11.0	100	50	EPA 6010C	01/31/11 12:49	JDH	
Nickel [7440-02-0] ^	**49.7**	J	ug/L	1	1.80	10.0	50	EPA 6010C	01/31/11 11:02	JDH	
Selenium [7782-49-2] ^	**0.855**	J	ug/L	1	0.830	1.00	10	EPA 6020A	01/28/11 13:37	VLO	
Silver [7440-22-4] ^	**6.47**	J	ug/L	1	1.90	10.0	10	EPA 6010C	01/31/11 11:02	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	01/28/11 13:37	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	01/31/11 11:02	JDH	
Zinc [7440-66-6] ^	**61.1**		ug/L	1	3.80	10.0	10	EPA 6010C	01/31/11 11:02	JDH	

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Description: 3301-MW5 | **Lab Sample ID:** C100745-01 | **Received:** 01/20/11 13:05

Matrix: Ground Water | **Sampled:** 01/19/11 15:35 | **Work Order:** C100745

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Biochemical Oxygen Demand [ECL-0017] ^	2000	U	ug/L	1	2000	2000	NE	SM 5210B	01/20/11 17:16	JOC	
Chemical Oxygen Demand [ECL-0035] ^	**77000**		ug/L	1	2800	10000	NE	SM 5220D	01/25/11 15:51	JOC	
Chloride [16887-00-6] ^	**10000**		ug/L	1	18	5000	NE	EPA 300.0	01/26/11 14:11	AJB	
Nitrate as N [14797-55-8] ^	**30**	J	ug/L	1	25	100	10000	EPA 353.2	02/03/11 11:48	CCB	
Sulfate as SO4 [14808-79-8] ^	**38000**	J	ug/L	1	120	5000	250000	EPA 300.0	01/26/11 14:11	AJB	
Sulfide [18496-25-8] ^	10	U	ug/L	1	10	100	1000	SM18 4500-S D	01/21/11 13:39	JOC	
Total Alkalinity as CaCO3 [471-34-1] ^	**410000**	D	ug/L	5	40000	75000	NE	EPA 310.2	01/26/11 15:14	CCB	
Total Dissolved Solids [ECL-0156] ^	**550000**		ug/L	1	10000	10000	NE	SM 2540C	01/21/11 15:08	KER	

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Description: 3301-MW5
Matrix: Ground Water
Project: Edgecombe County Landfill - Jan

Lab Sample ID: C100745-01
Sampled: 01/19/11 15:35
Sampled By: Michelle Logut

Received: 01/20/11 13:05
Work Order: C100745

Dissolved Gases by GC

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Carbon dioxide [124-38-9]	**370000**	D	ug/L	10	20000	25000	NE	RSK-175	01/26/11 12:18	LAC	
Ethane [74-84-0]	1.50	U	ug/L	1	1.50	2.00	NE	RSK-175	01/26/11 11:48	LAC	
Ethene [74-85-1]	1.60	U	ug/L	1	1.60	2.00	NE	RSK-175	01/26/11 11:48	LAC	
Methane [74-82-8]	**327**		ug/L	1	0.490	1.00	NE	RSK-175	01/26/11 11:48	LAC	

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Description: 3301-MW5 | **Lab Sample ID:** C100745-01 | **Received:** 01/20/11 13:05

Matrix: Ground Water | **Sampled:** 01/19/11 15:35 | **Work Order:** C100745

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

Volatile Fatty Acids by HPLC

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Acetic Acid [64-19-7]	83	U	ug/L	1	83	500	NE	VGC-13	01/24/11 14:36	MEF	
Butyric Acid [107-92-6]	160	U	ug/L	1	160	500	NE	VGC-13	01/24/11 14:36	MEF	
Hexanoic Acid [142-62-1]	230	U	ug/L	1	230	1000		VGC-13	01/24/11 14:36	MEF	
HIBA (2-Hydroxyisobutyric Acid) [594-61-6]	160	U	ug/L	1	160	500		VGC-13	01/24/11 14:36	MEF	
iso-Hexanoic Acid [646-07-1]	210	U	ug/L	1	210	1000		VGC-13	01/24/11 14:36	MEF	
iso-Pentanoic Acid [503-74-2]	260	U	ug/L	1	260	500		VGC-13	01/24/11 14:36	MEF	
Lactic Acid [50-21-5]	440	U	ug/L	1	440	500	NE	VGC-13	01/24/11 14:36	MEF	
Pentanoic Acid [109-52-4]	270	U	ug/L	1	270	500		VGC-13	01/24/11 14:36	MEF	
Propionic Acid [79-09-4]	180	U	ug/L	1	180	500	NE	VGC-13	01/24/11 14:36	MEF	
Pyruvic Acid [127-17-3]	140	U	ug/L	1	140	500	NE	VGC-13	01/24/11 14:36	MEF	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
Trimethylacetic acid	*57000*	*1*	*49800*	*115 %*	*80-124*	*1A24003*	*VGC-13*	*01/24/11 14:36*	*MEF*	

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Description: 3301-MW5 | **Lab Sample ID:** C100745-01 | **Received:** 01/20/11 13:05

Matrix: Ground Water | **Sampled:** 01/19/11 15:35 | **Work Order:** C100745

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Total Organic Carbon [ECL-0165]	**3600**		ug/L	1	280	1000	NE	SM18 5310B	01/24/11 20:52	JSW	

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Description: 3301-MW7A
Matrix: Ground Water
Project: Edgecombe County Landfill - Jan

Lab Sample ID: C100745-02
Sampled: 01/19/11 11:35
Sampled By: Michelle Logut

Received: 01/20/11 13:05
Work Order: C100745

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	01/28/11 08:28	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	01/28/11 08:28	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	01/28/11 08:28	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	01/28/11 08:28	jkg	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	01/28/11 08:28	jkg	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	01/28/11 08:28	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	01/28/11 08:28	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	01/28/11 08:28	jkg	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	01/28/11 08:28	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	01/28/11 08:28	jkg	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	01/28/11 08:28	jkg	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	01/28/11 08:28	jkg	
1,4-Dichlorobenzene [106-46-7] ^	**1.3**		ug/L	1	0.38	1.0	1	EPA 8260B	01/28/11 08:28	jkg	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	01/28/11 08:28	jkg	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	01/28/11 08:28	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	01/28/11 08:28	jkg	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	01/28/11 08:28	jkg	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	01/28/11 08:28	jkg	
Benzene [71-43-2] ^	**1.8**		ug/L	1	0.20	1.0	1	EPA 8260B	01/28/11 08:28	jkg	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	01/28/11 08:28	jkg	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	01/28/11 08:28	jkg	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	01/28/11 08:28	jkg	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	01/28/11 08:28	jkg	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	01/28/11 08:28	jkg	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/28/11 08:28	jkg	
Chlorobenzene [108-90-7] ^	**3.3**		ug/L	1	0.27	1.0	3	EPA 8260B	01/28/11 08:28	jkg	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	01/28/11 08:28	jkg	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	01/28/11 08:28	jkg	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	01/28/11 08:28	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	**0.54**	J	ug/L	1	0.36	1.0	5	EPA 8260B	01/28/11 08:28	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	01/28/11 08:28	jkg	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	01/28/11 08:28	jkg	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	01/28/11 08:28	jkg	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	01/28/11 08:28	jkg	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	01/28/11 08:28	jkg	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	01/28/11 08:28	jkg	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	01/28/11 08:28	jkg	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	01/28/11 08:28	jkg	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	01/28/11 08:28	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	01/28/11 08:28	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/28/11 08:28	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	01/28/11 08:28	jkg	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/28/11 08:28	jkg	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	01/28/11 08:28	jkg	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	01/28/11 08:28	jkg	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	01/28/11 08:28	jkg	

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Description: 3301-MW7A
Matrix: Ground Water
Project: Edgecombe County Landfill - Jan

Lab Sample ID: C100745-02
Sampled: 01/19/11 11:35
Sampled By: Michelle Logut

Received: 01/20/11 13:05
Work Order: C100745

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	01/28/11 08:28	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*52*	*1*	*50.0*	*105 %*	*51-122*	*1A27027*	*EPA 8260B*	*01/28/11 08:28*	*jkg*	
Dibromofluoromethane	*48*	*1*	*50.0*	*96 %*	*68-117*	*1A27027*	*EPA 8260B*	*01/28/11 08:28*	*jkg*	
Toluene-d8	*49*	*1*	*50.0*	*99 %*	*69-110*	*1A27027*	*EPA 8260B*	*01/28/11 08:28*	*jkg*	

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Description:	3301-MW7A	**Lab Sample ID:**	C100745-02	**Received:**	01/20/11 13:05
Matrix:	Ground Water	**Sampled:**	01/19/11 11:35	**Work Order:**	C100745
Project:	Edgecombe County Landfill - Jan	**Sampled By:**	Michelle Logut		

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	01/21/11 15:20	NLH	

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Description: 3301-MW7A
Matrix: Ground Water
Project: Edgecombe County Landfill - Jan

Lab Sample ID: C100745-02
Sampled: 01/19/11 11:35
Sampled By: Michelle Logut

Received: 01/20/11 13:05
Work Order: C100745

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

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	01/28/11 13:44	VLO	
Arsenic [7440-38-2] ^	**16.0**		ug/L	1	2.80	10.0	10	EPA 6010C	01/31/11 11:05	JDH	
Barium [7440-39-3] ^	**176**		ug/L	1	1.00	10.0	100	EPA 6010C	01/31/11 11:05	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	01/31/11 11:05	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	01/31/11 11:05	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	01/31/11 11:05	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	01/31/11 11:05	JDH	
Copper [7440-50-8] ^	**10.1**		ug/L	1	1.60	10.0	10	EPA 6010C	01/31/11 11:05	JDH	
Iron [7439-89-6] ^	**237000**		ug/L	1	22.0	50.0	300	EPA 6010C	01/31/11 11:05	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	01/31/11 11:05	JDH	
Manganese [7439-96-5] ^	**440**		ug/L	1	1.10	10.0	50	EPA 6010C	01/31/11 11:05	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	01/31/11 11:05	JDH	
Selenium [7782-49-2] ^	**1.14**	J	ug/L	1	0.830	1.00	10	EPA 6020A	01/28/11 13:44	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	01/31/11 11:05	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	01/28/11 13:44	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	01/31/11 11:05	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	01/31/11 11:05	JDH	

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Description: 3301-MW7A
Matrix: Ground Water
Project: Edgecombe County Landfill - Jan

Lab Sample ID: C100745-02
Sampled: 01/19/11 11:35
Sampled By: Michelle Logut

Received: 01/20/11 13:05
Work Order: C100745

Metals (Dissolved) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	02/10/11 10:17	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	02/09/11 12:57	JDH	
Barium [7440-39-3] ^	**143**		ug/L	1	1.00	10.0	100	EPA 6010C	02/09/11 12:57	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	02/09/11 12:57	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	02/09/11 12:57	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	02/09/11 12:57	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	02/09/11 12:57	JDH	
Copper [7440-50-8] ^	**4.99**	J	ug/L	1	1.60	10.0	10	EPA 6010C	02/09/11 12:57	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	02/09/11 12:57	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	02/09/11 12:57	JDH	
Selenium [7782-49-2] ^	**2.03**	J	ug/L	1	0.830	1.00	10	EPA 6020A	02/10/11 10:17	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	02/09/11 12:57	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	02/10/11 10:17	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	02/09/11 12:57	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	02/09/11 12:57	JDH	

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Description: 3301-MW7A
Matrix: Ground Water
Project: Edgecombe County Landfill - Jan

Lab Sample ID: C100745-02
Sampled: 01/19/11 11:35
Sampled By: Michelle Logut

Received: 01/20/11 13:05
Work Order: C100745

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Biochemical Oxygen Demand [ECL-0017] ^	**10000**		ug/L	1	2000	2000	NE	SM 5210B	01/20/11 17:16	JOC	
Chemical Oxygen Demand [ECL-0035] ^	**44000**		ug/L	1	2800	10000	NE	SM 5220D	01/25/11 15:51	JOC	
Chloride [16887-00-6] ^	**34000**		ug/L	1	18	5000	NE	EPA 300.0	01/26/11 14:31	AJB	
Nitrate as N [14797-55-8] ^	**47**	J	ug/L	1	25	100	10000	EPA 353.2	02/03/11 11:48	CCB	
Sulfate as SO4 [14808-79-8] ^	**3100**	J	ug/L	1	120	5000	250000	EPA 300.0	01/26/11 14:31	AJB	
Sulfide [18496-25-8] ^	10	U	ug/L	1	10	100	1000	SM18 4500-S D	01/21/11 13:39	JOC	
Total Alkalinity as CaCO3 [471-34-1] ^	**140000**		ug/L	1	8000	15000	NE	EPA 310.2	01/26/11 14:17	CCB	
Total Dissolved Solids [ECL-0156] ^	**350000**		ug/L	1	10000	10000	NE	SM 2540C	01/21/11 15:08	KER	

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Description: 3301-MW7A
Matrix: Ground Water
Project: Edgecombe County Landfill - Jan

Lab Sample ID: C100745-02
Sampled: 01/19/11 11:35
Sampled By: Michelle Logut

Received: 01/20/11 13:05
Work Order: C100745

Dissolved Gases by GC

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Carbon dioxide [124-38-9]	**681000**	D	ug/L	10	20000	25000	NE	RSK-175	01/26/11 12:22	LAC	
Ethane [74-84-0]	1.50	U	ug/L	1	1.50	2.00	NE	RSK-175	01/26/11 11:52	LAC	
Ethene [74-85-1]	1.60	U	ug/L	1	1.60	2.00	NE	RSK-175	01/26/11 11:52	LAC	
Methane [74-82-8]	**2780**		ug/L	1	0.490	1.00	NE	RSK-175	01/26/11 11:52	LAC	

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Description: 3301-MW7A
Matrix: Ground Water
Project: Edgecombe County Landfill - Jan

Lab Sample ID: C100745-02
Sampled: 01/19/11 11:35
Sampled By: Michelle Logut

Received: 01/20/11 13:05
Work Order: C100745

Volatile Fatty Acids by HPLC

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Acetic Acid [64-19-7]	83	U	ug/L	1	83	500	NE	VGC-13	01/24/11 15:22	MEF	
Butyric Acid [107-92-6]	160	U	ug/L	1	160	500	NE	VGC-13	01/24/11 15:22	MEF	
Hexanoic Acid [142-62-1]	230	U	ug/L	1	230	1000		VGC-13	01/24/11 15:22	MEF	
HIBA (2-Hydroxyisobutyric Acid) [594-61-6]	160	U	ug/L	1	160	500		VGC-13	01/24/11 15:22	MEF	
iso-Hexanoic Acid [646-07-1]	210	U	ug/L	1	210	1000		VGC-13	01/24/11 15:22	MEF	
iso-Pentanoic Acid [503-74-2]	260	U	ug/L	1	260	500		VGC-13	01/24/11 15:22	MEF	
Lactic Acid [50-21-5]	440	U	ug/L	1	440	500	NE	VGC-13	01/24/11 15:22	MEF	
Pentanoic Acid [109-52-4]	270	U	ug/L	1	270	500		VGC-13	01/24/11 15:22	MEF	
Propionic Acid [79-09-4]	180	U	ug/L	1	180	500	NE	VGC-13	01/24/11 15:22	MEF	
Pyruvic Acid [127-17-3]	140	U	ug/L	1	140	500	NE	VGC-13	01/24/11 15:22	MEF	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
Trimethylacetic acid	*56000*	*1*	*49800*	*112 %*	*80-124*	*1A24003*	*VGC-13*	*01/24/11 15:22*	*MEF*	

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Description: 3301-MW7A
Matrix: Ground Water
Project: Edgecombe County Landfill - Jan

Lab Sample ID: C100745-02
Sampled: 01/19/11 11:35
Sampled By: Michelle Logut

Received: 01/20/11 13:05
Work Order: C100745

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Total Organic Carbon [ECL-0165]	**3800**		ug/L	1	280	1000	NE	SM18 5310B	01/24/11 21:16	JSW	

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

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Description: 3301-MW12 | **Lab Sample ID:** C100745-03 | **Received:** 01/20/11 13:05

Matrix: Ground Water | **Sampled:** 01/19/11 12:35 | **Work Order:** C100745

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	01/28/11 08:57	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	01/28/11 08:57	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	01/28/11 08:57	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	01/28/11 08:57	jkg	
1,1-Dichloroethane [75-34-3] ^	**1.2**	J	ug/L	1	0.33	1.0	5	EPA 8260B	01/28/11 08:57	jkg	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	01/28/11 08:57	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	01/28/11 08:57	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	01/28/11 08:57	jkg	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	01/28/11 08:57	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	01/28/11 08:57	jkg	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	01/28/11 08:57	jkg	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	01/28/11 08:57	jkg	
1,4-Dichlorobenzene [106-46-7] ^	**5.8**		ug/L	1	0.38	1.0	1	EPA 8260B	01/28/11 08:57	jkg	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	01/28/11 08:57	jkg	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	01/28/11 08:57	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	01/28/11 08:57	jkg	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	01/28/11 08:57	jkg	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	01/28/11 08:57	jkg	
Benzene [71-43-2] ^	**2.6**		ug/L	1	0.20	1.0	1	EPA 8260B	01/28/11 08:57	jkg	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	01/28/11 08:57	jkg	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	01/28/11 08:57	jkg	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	01/28/11 08:57	jkg	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	01/28/11 08:57	jkg	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	01/28/11 08:57	jkg	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/28/11 08:57	jkg	
Chlorobenzene [108-90-7] ^	**4.1**		ug/L	1	0.27	1.0	3	EPA 8260B	01/28/11 08:57	jkg	
Chloroethane [75-00-3] ^	**0.93**	J	ug/L	1	0.30	1.0	10	EPA 8260B	01/28/11 08:57	jkg	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	01/28/11 08:57	jkg	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	01/28/11 08:57	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	**1.1**	J	ug/L	1	0.36	1.0	5	EPA 8260B	01/28/11 08:57	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	01/28/11 08:57	jkg	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	01/28/11 08:57	jkg	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	01/28/11 08:57	jkg	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	01/28/11 08:57	jkg	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	01/28/11 08:57	jkg	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	01/28/11 08:57	jkg	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	01/28/11 08:57	jkg	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	01/28/11 08:57	jkg	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	01/28/11 08:57	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	01/28/11 08:57	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/28/11 08:57	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	01/28/11 08:57	jkg	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/28/11 08:57	jkg	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	01/28/11 08:57	jkg	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	01/28/11 08:57	jkg	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	01/28/11 08:57	jkg	

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Description: 3301-MW12 | **Lab Sample ID:** C100745-03 | **Received:** 01/20/11 13:05

Matrix: Ground Water | **Sampled:** 01/19/11 12:35 | **Work Order:** C100745

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	01/28/11 08:57	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*52*	*1*	*50.0*	*104 %*	*51-122*	*1A27027*	*EPA 8260B*	*01/28/11 08:57*	*jkg*	
Dibromofluoromethane	*48*	*1*	*50.0*	*95 %*	*68-117*	*1A27027*	*EPA 8260B*	*01/28/11 08:57*	*jkg*	
Toluene-d8	*49*	*1*	*50.0*	*99 %*	*69-110*	*1A27027*	*EPA 8260B*	*01/28/11 08:57*	*jkg*	

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Description: 3301-MW12 | **Lab Sample ID:** C100745-03 | **Received:** 01/20/11 13:05

Matrix: Ground Water | **Sampled:** 01/19/11 12:35 | **Work Order:** C100745

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	01/21/11 15:23	NLH	

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Description: 3301-MW12 | **Lab Sample ID:** C100745-03 | **Received:** 01/20/11 13:05

Matrix: Ground Water | **Sampled:** 01/19/11 12:35 | **Work Order:** C100745

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

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

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	01/28/11 13:47	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	01/31/11 11:07	JDH	
Barium [7440-39-3] ^	**303**		ug/L	1	1.00	10.0	100	EPA 6010C	01/31/11 11:07	JDH	
Beryllium [7440-41-7] ^	**0.420**	J	ug/L	1	0.100	1.00	1	EPA 6010C	01/31/11 11:07	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	01/31/11 11:07	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	01/31/11 11:07	JDH	
Cobalt [7440-48-4] ^	**13.5**		ug/L	1	1.10	10.0	10	EPA 6010C	01/31/11 11:07	JDH	
Copper [7440-50-8] ^	**3.53**	J	ug/L	1	1.60	10.0	10	EPA 6010C	01/31/11 11:07	JDH	
Iron [7439-89-6] ^	**9470**		ug/L	1	22.0	50.0	300	EPA 6010C	01/31/11 11:07	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	01/31/11 11:07	JDH	
Manganese [7439-96-5] ^	**121**		ug/L	1	1.10	10.0	50	EPA 6010C	01/31/11 11:07	JDH	
Nickel [7440-02-0] ^	**22.2**	J	ug/L	1	1.80	10.0	50	EPA 6010C	01/31/11 11:07	JDH	
Selenium [7782-49-2] ^	**8.83**	J	ug/L	1	0.830	1.00	10	EPA 6020A	01/28/11 13:47	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	01/31/11 11:07	JDH	
Thallium [7440-28-0] ^	**0.139**	J	ug/L	1	0.110	1.00	5.5	EPA 6020A	01/28/11 13:47	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	01/31/11 11:07	JDH	
Zinc [7440-66-6] ^	**149**		ug/L	1	3.80	10.0	10	EPA 6010C	01/31/11 11:07	JDH	

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Description: 3301-MW12 | **Lab Sample ID:** C100745-03 | **Received:** 01/20/11 13:05

Matrix: Ground Water | **Sampled:** 01/19/11 12:35 | **Work Order:** C100745

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

Metals (Dissolved) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	02/10/11 10:42	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	02/09/11 12:59	JDH	
Barium [7440-39-3] ^	**287**		ug/L	1	1.00	10.0	100	EPA 6010C	02/09/11 12:59	JDH	
Beryllium [7440-41-7] ^	**0.373**	J	ug/L	1	0.100	1.00	1	EPA 6010C	02/09/11 12:59	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	02/09/11 12:59	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	02/09/11 12:59	JDH	
Cobalt [7440-48-4] ^	**12.6**		ug/L	1	1.10	10.0	10	EPA 6010C	02/09/11 12:59	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	02/09/11 12:59	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	02/09/11 12:59	JDH	
Nickel [7440-02-0] ^	**20.4**	J	ug/L	1	1.80	10.0	50	EPA 6010C	02/09/11 12:59	JDH	
Selenium [7782-49-2] ^	**9.14**	J	ug/L	1	0.830	1.00	10	EPA 6020A	02/10/11 10:42	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	02/09/11 12:59	JDH	
Thallium [7440-28-0] ^	**0.155**	J	ug/L	1	0.110	1.00	5.5	EPA 6020A	02/10/11 10:42	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	02/09/11 12:59	JDH	
Zinc [7440-66-6] ^	**132**		ug/L	1	3.80	10.0	10	EPA 6010C	02/09/11 12:59	JDH	

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Description: 3301-MW12 | **Lab Sample ID:** C100745-03 | **Received:** 01/20/11 13:05

Matrix: Ground Water | **Sampled:** 01/19/11 12:35 | **Work Order:** C100745

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Biochemical Oxygen Demand [ECL-0017] ^	2000	U	ug/L	1	2000	2000	NE	SM 5210B	01/20/11 17:16	JOC	
Chemical Oxygen Demand [ECL-0035] ^	**40000**		ug/L	1	2800	10000	NE	SM 5220D	01/25/11 15:51	JOC	
Chloride [16887-00-6] ^	**180000**	D	ug/L	4	72	20000	NE	EPA 300.0	01/26/11 16:28	AJB	
Nitrate as N [14797-55-8] ^	25	U	ug/L	1	25	100	10000	EPA 353.2	02/03/11 11:48	CCB	
Sulfate as SO4 [14808-79-8] ^	**64000**	J	ug/L	1	120	5000	250000	EPA 300.0	01/26/11 14:50	AJB	
Sulfide [18496-25-8] ^	10	U	ug/L	1	10	100	1000	SM18 4500-S D	01/21/11 13:39	JOC	
Total Alkalinity as CaCO3 [471-34-1] ^	**10000**	J	ug/L	1	8000	15000	NE	EPA 310.2	01/26/11 14:18	CCB	
Total Dissolved Solids [ECL-0156] ^	**410000**		ug/L	1	10000	10000	NE	SM 2540C	01/21/11 15:08	KER	

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Description: 3301-MW12 | **Lab Sample ID:** C100745-03 | **Received:** 01/20/11 13:05

Matrix: Ground Water | **Sampled:** 01/19/11 12:35 | **Work Order:** C100745

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

Dissolved Gases by GC

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Carbon dioxide [124-38-9]	**556000**	D	ug/L	10	20000	25000	NE	RSK-175	01/26/11 12:25	LAC	
Ethane [74-84-0]	1.50	U	ug/L	1	1.50	2.00	NE	RSK-175	01/26/11 11:56	LAC	
Ethene [74-85-1]	1.60	U	ug/L	1	1.60	2.00	NE	RSK-175	01/26/11 11:56	LAC	
Methane [74-82-8]	0.490	U	ug/L	1	0.490	1.00	NE	RSK-175	01/26/11 11:56	LAC	

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Description: 3301-MW12 | **Lab Sample ID:** C100745-03 | **Received:** 01/20/11 13:05

Matrix: Ground Water | **Sampled:** 01/19/11 12:35 | **Work Order:** C100745

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

Volatile Fatty Acids by HPLC

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Acetic Acid [64-19-7]	**2100**		ug/L	1	83	500	NE	VGC-13	01/24/11 16:09	MEF	
Butyric Acid [107-92-6]	160	U	ug/L	1	160	500	NE	VGC-13	01/24/11 16:09	MEF	
Hexanoic Acid [142-62-1]	230	U	ug/L	1	230	1000		VGC-13	01/24/11 16:09	MEF	
HIBA (2-Hydroxyisobutyric Acid) [594-61-6]	160	U	ug/L	1	160	500		VGC-13	01/24/11 16:09	MEF	
iso-Hexanoic Acid [646-07-1]	210	U	ug/L	1	210	1000		VGC-13	01/24/11 16:09	MEF	
iso-Pentanoic Acid [503-74-2]	260	U	ug/L	1	260	500		VGC-13	01/24/11 16:09	MEF	
Lactic Acid [50-21-5]	440	U	ug/L	1	440	500	NE	VGC-13	01/24/11 16:09	MEF	
Pentanoic Acid [109-52-4]	270	U	ug/L	1	270	500		VGC-13	01/24/11 16:09	MEF	
Propionic Acid [79-09-4]	180	U	ug/L	1	180	500	NE	VGC-13	01/24/11 16:09	MEF	
Pyruvic Acid [127-17-3]	140	U	ug/L	1	140	500	NE	VGC-13	01/24/11 16:09	MEF	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
Trimethylacetic acid	*57000*	*1*	*49800*	*114 %*	*80-124*	*1A24003*	*VGC-13*	*01/24/11 16:09*	*MEF*	

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Description: 3301-MW12
Matrix: Ground Water
Project: Edgecombe County Landfill - Jan

Lab Sample ID: C100745-03
Sampled: 01/19/11 12:35
Sampled By: Michelle Logut

Received: 01/20/11 13:05
Work Order: C100745

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Total Organic Carbon [ECL-0165]	**8200**		ug/L	1	280	1000	NE	SM18 5310B	01/24/11 21:41	JSW	

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

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Description: 3301-MW13 | **Lab Sample ID:** C100745-04 | **Received:** 01/20/11 13:05

Matrix: Ground Water | **Sampled:** 01/19/11 14:45 | **Work Order:** C100745

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	01/28/11 09:26	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	01/28/11 09:26	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	01/28/11 09:26	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	01/28/11 09:26	jkg	
1,1-Dichloroethane [75-34-3] ^	**0.51**	J	ug/L	1	0.33	1.0	5	EPA 8260B	01/28/11 09:26	jkg	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	01/28/11 09:26	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	01/28/11 09:26	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	01/28/11 09:26	jkg	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	01/28/11 09:26	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	01/28/11 09:26	jkg	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	01/28/11 09:26	jkg	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	01/28/11 09:26	jkg	
1,4-Dichlorobenzene [106-46-7] ^	**2.3**		ug/L	1	0.38	1.0	1	EPA 8260B	01/28/11 09:26	jkg	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	01/28/11 09:26	jkg	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	01/28/11 09:26	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	01/28/11 09:26	jkg	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	01/28/11 09:26	jkg	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	01/28/11 09:26	jkg	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	01/28/11 09:26	jkg	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	01/28/11 09:26	jkg	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	01/28/11 09:26	jkg	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	01/28/11 09:26	jkg	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	01/28/11 09:26	jkg	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	01/28/11 09:26	jkg	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/28/11 09:26	jkg	
Chlorobenzene [108-90-7] ^	**8.7**		ug/L	1	0.27	1.0	3	EPA 8260B	01/28/11 09:26	jkg	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	01/28/11 09:26	jkg	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	01/28/11 09:26	jkg	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	01/28/11 09:26	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	**18**		ug/L	1	0.36	1.0	5	EPA 8260B	01/28/11 09:26	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	01/28/11 09:26	jkg	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	01/28/11 09:26	jkg	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	01/28/11 09:26	jkg	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	01/28/11 09:26	jkg	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	01/28/11 09:26	jkg	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	01/28/11 09:26	jkg	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	01/28/11 09:26	jkg	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	01/28/11 09:26	jkg	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	01/28/11 09:26	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	01/28/11 09:26	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/28/11 09:26	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	01/28/11 09:26	jkg	
Trichloroethene [79-01-6] ^	**0.59**	J	ug/L	1	0.38	1.0	1	EPA 8260B	01/28/11 09:26	jkg	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	01/28/11 09:26	jkg	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	01/28/11 09:26	jkg	
Vinyl chloride [75-01-4] ^	**1.0**		ug/L	1	0.30	1.0	1	EPA 8260B	01/28/11 09:26	jkg	

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Description: 3301-MW13 | **Lab Sample ID:** C100745-04 | **Received:** 01/20/11 13:05

Matrix: Ground Water | **Sampled:** 01/19/11 14:45 | **Work Order:** C100745

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	01/28/11 09:26	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*53*	*1*	*50.0*	*105 %*	*51-122*	*1A27027*	*EPA 8260B*	*01/28/11 09:26*	*jkg*	
Dibromofluoromethane	*48*	*1*	*50.0*	*95 %*	*68-117*	*1A27027*	*EPA 8260B*	*01/28/11 09:26*	*jkg*	
Toluene-d8	*49*	*1*	*50.0*	*99 %*	*69-110*	*1A27027*	*EPA 8260B*	*01/28/11 09:26*	*jkg*	

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Description:	3301-MW13	**Lab Sample ID:**	C100745-04	**Received:**	01/20/11 13:05
Matrix:	Ground Water	**Sampled:**	01/19/11 14:45	**Work Order:**	C100745
Project:	Edgecombe County Landfill - Jan	**Sampled By:**	Michelle Logut		

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	01/21/11 15:26	NLH	

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Description: 3301-MW13 | **Lab Sample ID:** C100745-04 | **Received:** 01/20/11 13:05

Matrix: Ground Water | **Sampled:** 01/19/11 14:45 | **Work Order:** C100745

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

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

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	01/28/11 13:51	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	01/31/11 11:15	JDH	
Barium [7440-39-3] ^	**217**		ug/L	1	1.00	10.0	100	EPA 6010C	01/31/11 11:15	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	01/31/11 11:15	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	01/31/11 11:15	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	01/31/11 11:15	JDH	
Cobalt [7440-48-4] ^	**1400**		ug/L	1	1.10	10.0	10	EPA 6010C	01/31/11 11:15	JDH	
Copper [7440-50-8] ^	**2.28**	J	ug/L	1	1.60	10.0	10	EPA 6010C	01/31/11 11:15	JDH	
Iron [7439-89-6] ^	**28100**		ug/L	1	22.0	50.0	300	EPA 6010C	01/31/11 11:15	JDH	
Lead [7439-92-1] ^	**3.87**	J	ug/L	1	1.90	10.0	10	EPA 6010C	01/31/11 11:15	JDH	
Manganese [7439-96-5] ^	**42600**	D	ug/L	10	11.0	100	50	EPA 6010C	01/31/11 12:51	JDH	
Nickel [7440-02-0] ^	**306**		ug/L	1	1.80	10.0	50	EPA 6010C	01/31/11 11:15	JDH	
Selenium [7782-49-2] ^	**6.24**	J	ug/L	1	0.830	1.00	10	EPA 6020A	01/28/11 13:51	VLO	
Silver [7440-22-4] ^	**8.87**	J	ug/L	1	1.90	10.0	10	EPA 6010C	01/31/11 11:15	JDH	
Thallium [7440-28-0] ^	**0.748**	J	ug/L	1	0.110	1.00	5.5	EPA 6020A	01/28/11 13:51	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	01/31/11 11:15	JDH	
Zinc [7440-66-6] ^	**153**		ug/L	1	3.80	10.0	10	EPA 6010C	01/31/11 11:15	JDH	

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Description: 3301-MW13 | **Lab Sample ID:** C100745-04 | **Received:** 01/20/11 13:05

Matrix: Ground Water | **Sampled:** 01/19/11 14:45 | **Work Order:** C100745

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

Metals (Dissolved) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	02/10/11 10:46	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	02/09/11 13:07	JDH	
Barium [7440-39-3] ^	**189**		ug/L	1	1.00	10.0	100	EPA 6010C	02/09/11 13:07	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	02/09/11 13:07	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	02/09/11 13:07	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	02/09/11 13:07	JDH	
Cobalt [7440-48-4] ^	**1340**		ug/L	1	1.10	10.0	10	EPA 6010C	02/09/11 13:07	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	02/09/11 13:07	JDH	
Lead [7439-92-1] ^	**3.36**	J	ug/L	1	1.90	10.0	10	EPA 6010C	02/09/11 13:07	JDH	
Nickel [7440-02-0] ^	**289**		ug/L	1	1.80	10.0	50	EPA 6010C	02/09/11 13:07	JDH	
Selenium [7782-49-2] ^	**7.64**	J	ug/L	1	0.830	1.00	10	EPA 6020A	02/10/11 10:46	VLO	
Silver [7440-22-4] ^	**8.15**	J	ug/L	1	1.90	10.0	10	EPA 6010C	02/09/11 13:07	JDH	
Thallium [7440-28-0] ^	**0.718**	J	ug/L	1	0.110	1.00	5.5	EPA 6020A	02/10/11 10:46	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	02/09/11 13:07	JDH	
Zinc [7440-66-6] ^	**144**		ug/L	1	3.80	10.0	10	EPA 6010C	02/09/11 13:07	JDH	

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Description: 3301-MW13
Matrix: Ground Water
Project: Edgecombe County Landfill - Jan

Lab Sample ID: C100745-04
Sampled: 01/19/11 14:45
Sampled By: Michelle Logut

Received: 01/20/11 13:05
Work Order: C100745

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Biochemical Oxygen Demand [ECL-0017] ^	2000	U	ug/L	1	2000	2000	NE	SM 5210B	01/20/11 17:16	JOC	
Chemical Oxygen Demand [ECL-0035] ^	**100000**		ug/L	1	2800	10000	NE	SM 5220D	01/25/11 15:51	JOC	
Chloride [16887-00-6] ^	**110000**	D	ug/L	2	36	10000	NE	EPA 300.0	01/26/11 16:48	AJB	
Nitrate as N [14797-55-8] ^	25	U	ug/L	1	25	100	10000	EPA 353.2	02/03/11 11:48	CCB	
Sulfate as SO4 [14808-79-8] ^	**38000**	J	ug/L	1	120	5000	250000	EPA 300.0	01/26/11 15:10	AJB	
Sulfide [18496-25-8] ^	10	U	ug/L	1	10	100	1000	SM18 4500-S D	01/21/11 13:39	JOC	
Total Alkalinity as CaCO3 [471-34-1] ^	**240000**	D	ug/L	5	40000	75000	NE	EPA 310.2	01/26/11 15:15	CCB	
Total Dissolved Solids [ECL-0156] ^	**490000**		ug/L	1	10000	10000	NE	SM 2540C	01/21/11 15:08	KER	

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Description: 3301-MW13
Matrix: Ground Water
Project: Edgecombe County Landfill - Jan

Lab Sample ID: C100745-04
Sampled: 01/19/11 14:45
Sampled By: Michelle Logut

Received: 01/20/11 13:05
Work Order: C100745

Dissolved Gases by GC

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Carbon dioxide [124-38-9]	**498000**	D	ug/L	10	20000	25000	NE	RSK-175	01/26/11 12:43	LAC	
Ethane [74-84-0]	1.50	U	ug/L	1	1.50	2.00	NE	RSK-175	01/26/11 12:00	LAC	
Ethene [74-85-1]	1.60	U	ug/L	1	1.60	2.00	NE	RSK-175	01/26/11 12:00	LAC	
Methane [74-82-8]	**34.9**		ug/L	1	0.490	1.00	NE	RSK-175	01/26/11 12:00	LAC	

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Description: 3301-MW13 | **Lab Sample ID:** C100745-04 | **Received:** 01/20/11 13:05

Matrix: Ground Water | **Sampled:** 01/19/11 14:45 | **Work Order:** C100745

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

Volatile Fatty Acids by HPLC

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Acetic Acid [64-19-7]	**4300**		ug/L	1	83	500	NE	VGC-13	01/24/11 16:55	MEF	
Butyric Acid [107-92-6]	160	U	ug/L	1	160	500	NE	VGC-13	01/24/11 16:55	MEF	
Hexanoic Acid [142-62-1]	230	U	ug/L	1	230	1000		VGC-13	01/24/11 16:55	MEF	
HIBA (2-Hydroxyisobutyric Acid) [594-61-6]	160	U	ug/L	1	160	500		VGC-13	01/24/11 16:55	MEF	
iso-Hexanoic Acid [646-07-1]	210	U	ug/L	1	210	1000		VGC-13	01/24/11 16:55	MEF	
iso-Pentanoic Acid [503-74-2]	260	U	ug/L	1	260	500		VGC-13	01/24/11 16:55	MEF	
Lactic Acid [50-21-5]	440	U	ug/L	1	440	500	NE	VGC-13	01/24/11 16:55	MEF	
Pentanoic Acid [109-52-4]	270	U	ug/L	1	270	500		VGC-13	01/24/11 16:55	MEF	
Propionic Acid [79-09-4]	180	U	ug/L	1	180	500	NE	VGC-13	01/24/11 16:55	MEF	
Pyruvic Acid [127-17-3]	140	U	ug/L	1	140	500	NE	VGC-13	01/24/11 16:55	MEF	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
Trimethylacetic acid	*55000*	*1*	*49800*	*110 %*	*80-124*	*1A24003*	*VGC-13*	*01/24/11 16:55*	*MEF*	

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Description: 3301-MW13
Matrix: Ground Water
Project: Edgecombe County Landfill - Jan

Lab Sample ID: C100745-04
Sampled: 01/19/11 14:45
Sampled By: Michelle Logut

Received: 01/20/11 13:05
Work Order: C100745

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Total Organic Carbon [ECL-0165]	**7400**		ug/L	1	280	1000	NE	SM18 5310B	01/24/11 22:06	JSW	

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

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Description: 3301-MW15 | **Lab Sample ID:** C100745-05 | **Received:** 01/20/11 13:05

Matrix: Ground Water | **Sampled:** 01/19/11 10:15 | **Work Order:** C100745

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	01/28/11 09:56	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	01/28/11 09:56	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	01/28/11 09:56	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	01/28/11 09:56	jkg	
1,1-Dichloroethane [75-34-3] ^	**0.59**	J	ug/L	1	0.33	1.0	5	EPA 8260B	01/28/11 09:56	jkg	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	01/28/11 09:56	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	01/28/11 09:56	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	01/28/11 09:56	jkg	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	01/28/11 09:56	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	01/28/11 09:56	jkg	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	01/28/11 09:56	jkg	
1,2-Dichloropropane [78-87-5] ^	**1.6**		ug/L	1	0.20	1.0	1	EPA 8260B	01/28/11 09:56	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/28/11 09:56	jkg	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	01/28/11 09:56	jkg	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	01/28/11 09:56	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	01/28/11 09:56	jkg	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	01/28/11 09:56	jkg	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	01/28/11 09:56	jkg	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	01/28/11 09:56	jkg	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	01/28/11 09:56	jkg	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	01/28/11 09:56	jkg	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	01/28/11 09:56	jkg	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	01/28/11 09:56	jkg	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	01/28/11 09:56	jkg	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/28/11 09:56	jkg	
Chlorobenzene [108-90-7] ^	**1.2**	J	ug/L	1	0.27	1.0	3	EPA 8260B	01/28/11 09:56	jkg	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	01/28/11 09:56	jkg	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	01/28/11 09:56	jkg	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	01/28/11 09:56	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	**14**		ug/L	1	0.36	1.0	5	EPA 8260B	01/28/11 09:56	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	01/28/11 09:56	jkg	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	01/28/11 09:56	jkg	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	01/28/11 09:56	jkg	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	01/28/11 09:56	jkg	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	01/28/11 09:56	jkg	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	01/28/11 09:56	jkg	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	01/28/11 09:56	jkg	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	01/28/11 09:56	jkg	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	01/28/11 09:56	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	**0.67**	J	ug/L	1	0.34	1.0	5	EPA 8260B	01/28/11 09:56	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/28/11 09:56	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	01/28/11 09:56	jkg	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/28/11 09:56	jkg	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	01/28/11 09:56	jkg	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	01/28/11 09:56	jkg	
Vinyl chloride [75-01-4] ^	**1.9**		ug/L	1	0.30	1.0	1	EPA 8260B	01/28/11 09:56	jkg	

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Description: 3301-MW15 | **Lab Sample ID:** C100745-05 | **Received:** 01/20/11 13:05

Matrix: Ground Water | **Sampled:** 01/19/11 10:15 | **Work Order:** C100745

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	01/28/11 09:56	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*52*	*1*	*50.0*	*104 %*	*51-122*	*1A27027*	*EPA 8260B*	*01/28/11 09:56*	*jkg*	
Dibromofluoromethane	*47*	*1*	*50.0*	*95 %*	*68-117*	*1A27027*	*EPA 8260B*	*01/28/11 09:56*	*jkg*	
Toluene-d8	*49*	*1*	*50.0*	*98 %*	*69-110*	*1A27027*	*EPA 8260B*	*01/28/11 09:56*	*jkg*	

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Description:	3301-MW15	**Lab Sample ID:**	C100745-05	**Received:**	01/20/11 13:05
Matrix:	Ground Water	**Sampled:**	01/19/11 10:15	**Work Order:**	C100745
Project:	Edgecombe County Landfill - Jan	**Sampled By:**	Michelle Logut		

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	01/21/11 15:28	NLH	

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Description: 3301-MW15 | **Lab Sample ID:** C100745-05 | **Received:** 01/20/11 13:05

Matrix: Ground Water | **Sampled:** 01/19/11 10:15 | **Work Order:** C100745

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

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

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	01/28/11 13:55	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	01/31/11 11:18	JDH	
Barium [7440-39-3] ^	**395**		ug/L	1	1.00	10.0	100	EPA 6010C	01/31/11 11:18	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	01/31/11 11:18	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	01/31/11 11:18	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	01/31/11 11:18	JDH	
Cobalt [7440-48-4] ^	**13.5**		ug/L	1	1.10	10.0	10	EPA 6010C	01/31/11 11:18	JDH	
Copper [7440-50-8] ^	**3.39**	J	ug/L	1	1.60	10.0	10	EPA 6010C	01/31/11 11:18	JDH	
Iron [7439-89-6] ^	**22600**		ug/L	1	22.0	50.0	300	EPA 6010C	01/31/11 11:18	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	01/31/11 11:18	JDH	
Manganese [7439-96-5] ^	**11100**		ug/L	1	1.10	10.0	50	EPA 6010C	01/31/11 11:18	JDH	
Nickel [7440-02-0] ^	**13.0**	J	ug/L	1	1.80	10.0	50	EPA 6010C	01/31/11 11:18	JDH	
Selenium [7782-49-2] ^	**0.892**	J	ug/L	1	0.830	1.00	10	EPA 6020A	01/28/11 13:55	VLO	
Silver [7440-22-4] ^	**2.94**	J	ug/L	1	1.90	10.0	10	EPA 6010C	01/31/11 11:18	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	01/28/11 13:55	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	01/31/11 11:18	JDH	
Zinc [7440-66-6] ^	**4.22**	J	ug/L	1	3.80	10.0	10	EPA 6010C	01/31/11 11:18	JDH	

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Description: 3301-MW15 | **Lab Sample ID:** C100745-05 | **Received:** 01/20/11 13:05

Matrix: Ground Water | **Sampled:** 01/19/11 10:15 | **Work Order:** C100745

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

Metals (Dissolved) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	02/10/11 11:00	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	02/09/11 13:10	JDH	
Barium [7440-39-3] ^	**247**		ug/L	1	1.00	10.0	100	EPA 6010C	02/09/11 13:10	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	02/09/11 13:10	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	02/09/11 13:10	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	02/09/11 13:10	JDH	
Cobalt [7440-48-4] ^	**13.8**		ug/L	1	1.10	10.0	10	EPA 6010C	02/09/11 13:10	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	02/09/11 13:10	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	02/09/11 13:10	JDH	
Nickel [7440-02-0] ^	**12.5**	J	ug/L	1	1.80	10.0	50	EPA 6010C	02/09/11 13:10	JDH	
Selenium [7782-49-2] ^	**2.19**	J	ug/L	1	0.830	1.00	10	EPA 6020A	02/10/11 11:00	VLO	
Silver [7440-22-4] ^	**2.95**	J	ug/L	1	1.90	10.0	10	EPA 6010C	02/09/11 13:10	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	02/10/11 11:00	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	02/09/11 13:10	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	02/09/11 13:10	JDH	

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Description: 3301-MW15 | **Lab Sample ID:** C100745-05 | **Received:** 01/20/11 13:05

Matrix: Ground Water | **Sampled:** 01/19/11 10:15 | **Work Order:** C100745

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Biochemical Oxygen Demand [ECL-0017] ^	2000	U	ug/L	1	2000	2000	NE	SM 5210B	01/20/11 17:16	JOC	
Chemical Oxygen Demand [ECL-0035] ^	**33000**		ug/L	1	2800	10000	NE	SM 5220D	01/25/11 15:51	JOC	
Chloride [16887-00-6] ^	**15000**		ug/L	1	18	5000	NE	EPA 300.0	01/26/11 16:09	AJB	
Nitrate as N [14797-55-8] ^	**62**	J	ug/L	1	25	100	10000	EPA 353.2	02/03/11 11:48	CCB	
Sulfate as SO4 [14808-79-8] ^	**7900**	J	ug/L	1	120	5000	250000	EPA 300.0	01/26/11 16:09	AJB	
Sulfide [18496-25-8] ^	10	U	ug/L	1	10	100	1000	SM18 4500-S D	01/21/11 13:39	JOC	
Total Alkalinity as CaCO3 [471-34-1] ^	**410000**	D	ug/L	5	40000	75000	NE	EPA 310.2	01/26/11 15:16	CCB	
Total Dissolved Solids [ECL-0156] ^	**400000**		ug/L	1	10000	10000	NE	SM 2540C	01/21/11 15:08	KER	

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Description: 3301-MW15
Matrix: Ground Water
Project: Edgecombe County Landfill - Jan

Lab Sample ID: C100745-05
Sampled: 01/19/11 10:15
Sampled By: Michelle Logut

Received: 01/20/11 13:05
Work Order: C100745

Dissolved Gases by GC

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Carbon dioxide [124-38-9]	**296000**	D	ug/L	10	20000	25000	NE	RSK-175	01/26/11 12:46	LAC	
Ethane [74-84-0]	1.50	U	ug/L	1	1.50	2.00	NE	RSK-175	01/26/11 12:04	LAC	
Ethene [74-85-1]	1.60	U	ug/L	1	1.60	2.00	NE	RSK-175	01/26/11 12:04	LAC	
Methane [74-82-8]	**414**		ug/L	1	0.490	1.00	NE	RSK-175	01/26/11 12:04	LAC	

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Description: 3301-MW15 | **Lab Sample ID:** C100745-05 | **Received:** 01/20/11 13:05

Matrix: Ground Water | **Sampled:** 01/19/11 10:15 | **Work Order:** C100745

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

Volatile Fatty Acids by HPLC

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Acetic Acid [64-19-7]	83	U	ug/L	1	83	500	NE	VGC-13	01/24/11 17:42	MEF	
Butyric Acid [107-92-6]	160	U	ug/L	1	160	500	NE	VGC-13	01/24/11 17:42	MEF	
Hexanoic Acid [142-62-1]	230	U	ug/L	1	230	1000		VGC-13	01/24/11 17:42	MEF	
HIBA (2-Hydroxyisobutyric Acid) [594-61-6]	160	U	ug/L	1	160	500		VGC-13	01/24/11 17:42	MEF	
iso-Hexanoic Acid [646-07-1]	210	U	ug/L	1	210	1000		VGC-13	01/24/11 17:42	MEF	
iso-Pentanoic Acid [503-74-2]	260	U	ug/L	1	260	500		VGC-13	01/24/11 17:42	MEF	
Lactic Acid [50-21-5]	440	U	ug/L	1	440	500	NE	VGC-13	01/24/11 17:42	MEF	
Pentanoic Acid [109-52-4]	270	U	ug/L	1	270	500		VGC-13	01/24/11 17:42	MEF	
Propionic Acid [79-09-4]	180	U	ug/L	1	180	500	NE	VGC-13	01/24/11 17:42	MEF	
Pyruvic Acid [127-17-3]	140	U	ug/L	1	140	500	NE	VGC-13	01/24/11 17:42	MEF	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
Trimethylacetic acid	*55000*	*1*	*49800*	*111 %*	*80-124*	*1A24003*	*VGC-13*	*01/24/11 17:42*	*MEF*	

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Description: 3301-MW15
Matrix: Ground Water
Project: Edgecombe County Landfill - Jan

Lab Sample ID: C100745-05
Sampled: 01/19/11 10:15
Sampled By: Michelle Logut

Received: 01/20/11 13:05
Work Order: C100745

Classical Chemistry Parameters

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Total Organic Carbon [ECL-0165]	**3600**		ug/L	1	280	1000	NE	SM18 5310B	01/24/11 22:30	JSW	

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

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Description: 3301-SW1 | **Lab Sample ID:** C100745-06 | **Received:** 01/20/11 13:05

Matrix: Ground Water | **Sampled:** 01/19/11 11:15 | **Work Order:** C100745

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	01/28/11 10:25	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	01/28/11 10:25	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	01/28/11 10:25	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	01/28/11 10:25	jkg	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	01/28/11 10:25	jkg	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	01/28/11 10:25	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	01/28/11 10:25	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	01/28/11 10:25	jkg	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	01/28/11 10:25	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	01/28/11 10:25	jkg	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	01/28/11 10:25	jkg	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	01/28/11 10:25	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/28/11 10:25	jkg	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	01/28/11 10:25	jkg	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	01/28/11 10:25	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	01/28/11 10:25	jkg	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	01/28/11 10:25	jkg	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	01/28/11 10:25	jkg	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	01/28/11 10:25	jkg	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	01/28/11 10:25	jkg	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	01/28/11 10:25	jkg	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	01/28/11 10:25	jkg	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	01/28/11 10:25	jkg	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	01/28/11 10:25	jkg	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/28/11 10:25	jkg	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	01/28/11 10:25	jkg	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	01/28/11 10:25	jkg	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	01/28/11 10:25	jkg	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	01/28/11 10:25	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	01/28/11 10:25	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	01/28/11 10:25	jkg	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	01/28/11 10:25	jkg	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	01/28/11 10:25	jkg	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	01/28/11 10:25	jkg	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	01/28/11 10:25	jkg	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	01/28/11 10:25	jkg	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	01/28/11 10:25	jkg	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	01/28/11 10:25	jkg	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	01/28/11 10:25	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	01/28/11 10:25	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/28/11 10:25	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	01/28/11 10:25	jkg	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/28/11 10:25	jkg	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	01/28/11 10:25	jkg	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	01/28/11 10:25	jkg	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	01/28/11 10:25	jkg	

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Description: 3301-SW1 | **Lab Sample ID:** C100745-06 | **Received:** 01/20/11 13:05

Matrix: Ground Water | **Sampled:** 01/19/11 11:15 | **Work Order:** C100745

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	01/28/11 10:25	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*52*	*1*	*50.0*	*104 %*	*51-122*	*1A27027*	*EPA 8260B*	*01/28/11 10:25*	*jkg*	
Dibromofluoromethane	*48*	*1*	*50.0*	*95 %*	*68-117*	*1A27027*	*EPA 8260B*	*01/28/11 10:25*	*jkg*	
Toluene-d8	*48*	*1*	*50.0*	*97 %*	*69-110*	*1A27027*	*EPA 8260B*	*01/28/11 10:25*	*jkg*	

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Description: 3301-SW1 | **Lab Sample ID:** C100745-06 | **Received:** 01/20/11 13:05

Matrix: Ground Water | **Sampled:** 01/19/11 11:15 | **Work Order:** C100745

Project: Edgecombe County Landfill - Jan | **Sampled By:** Michelle Logut

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

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	01/28/11 13:59	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	01/31/11 11:20	JDH	
Barium [7440-39-3] ^	**72.9**	J	ug/L	1	1.00	10.0	100	EPA 6010C	01/31/11 11:20	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	01/31/11 11:20	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	01/31/11 11:20	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	01/31/11 11:20	JDH	
Cobalt [7440-48-4] ^	**1.25**	J	ug/L	1	1.10	10.0	10	EPA 6010C	01/31/11 11:20	JDH	
Copper [7440-50-8] ^	**2.81**	J	ug/L	1	1.60	10.0	10	EPA 6010C	01/31/11 11:20	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	01/31/11 11:20	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	01/31/11 11:20	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	01/28/11 13:59	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	01/31/11 11:20	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	01/28/11 13:59	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	01/31/11 11:20	JDH	
Zinc [7440-66-6] ^	**14.7**		ug/L	1	3.80	10.0	10	EPA 6010C	01/31/11 11:20	JDH	

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

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Description: 3301-Duplicate
Matrix: Ground Water
Project: Edgecombe County Landfill - Jan

Lab Sample ID: C100745-07
Sampled: 01/19/11 10:15
Sampled By: Michelle Logut

Received: 01/20/11 13:05
Work Order: C100745

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	01/28/11 10:54	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	01/28/11 10:54	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	01/28/11 10:54	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	01/28/11 10:54	jkg	
1,1-Dichloroethane [75-34-3] ^	**0.56**	J	ug/L	1	0.33	1.0	5	EPA 8260B	01/28/11 10:54	jkg	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	01/28/11 10:54	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	01/28/11 10:54	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	01/28/11 10:54	jkg	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	01/28/11 10:54	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	01/28/11 10:54	jkg	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	01/28/11 10:54	jkg	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	01/28/11 10:54	jkg	
1,4-Dichlorobenzene [106-46-7] ^	**2.2**		ug/L	1	0.38	1.0	1	EPA 8260B	01/28/11 10:54	jkg	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	01/28/11 10:54	jkg	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	01/28/11 10:54	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	01/28/11 10:54	jkg	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	01/28/11 10:54	jkg	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	01/28/11 10:54	jkg	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	01/28/11 10:54	jkg	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	01/28/11 10:54	jkg	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	01/28/11 10:54	jkg	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	01/28/11 10:54	jkg	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	01/28/11 10:54	jkg	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	01/28/11 10:54	jkg	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/28/11 10:54	jkg	
Chlorobenzene [108-90-7] ^	**8.9**		ug/L	1	0.27	1.0	3	EPA 8260B	01/28/11 10:54	jkg	
Chloroethane [75-00-3] ^	**0.43**	J	ug/L	1	0.30	1.0	10	EPA 8260B	01/28/11 10:54	jkg	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	01/28/11 10:54	jkg	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	01/28/11 10:54	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	**19**		ug/L	1	0.36	1.0	5	EPA 8260B	01/28/11 10:54	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	01/28/11 10:54	jkg	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	01/28/11 10:54	jkg	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	01/28/11 10:54	jkg	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	01/28/11 10:54	jkg	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	01/28/11 10:54	jkg	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	01/28/11 10:54	jkg	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	01/28/11 10:54	jkg	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	01/28/11 10:54	jkg	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	01/28/11 10:54	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	01/28/11 10:54	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/28/11 10:54	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	01/28/11 10:54	jkg	
Trichloroethene [79-01-6] ^	**0.57**	J	ug/L	1	0.38	1.0	1	EPA 8260B	01/28/11 10:54	jkg	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	01/28/11 10:54	jkg	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	01/28/11 10:54	jkg	
Vinyl chloride [75-01-4] ^	**0.94**	J	ug/L	1	0.30	1.0	1	EPA 8260B	01/28/11 10:54	jkg	

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Description: 3301-Duplicate
Matrix: Ground Water
Project: Edgecombe County Landfill - Jan

Lab Sample ID: C100745-07
Sampled: 01/19/11 10:15
Sampled By: Michelle Logut

Received: 01/20/11 13:05
Work Order: C100745

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	01/28/11 10:54	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*53*	*1*	*50.0*	*106 %*	*51-122*	*1A27027*	*EPA 8260B*	*01/28/11 10:54*	*jkg*	
Dibromofluoromethane	*47*	*1*	*50.0*	*94 %*	*68-117*	*1A27027*	*EPA 8260B*	*01/28/11 10:54*	*jkg*	
Toluene-d8	*49*	*1*	*50.0*	*99 %*	*69-110*	*1A27027*	*EPA 8260B*	*01/28/11 10:54*	*jkg*	

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Description: 3301-Duplicate
Matrix: Ground Water
Project: Edgecombe County Landfill - Jan

Lab Sample ID: C100745-07
Sampled: 01/19/11 10:15
Sampled By: Michelle Logut

Received: 01/20/11 13:05
Work Order: C100745

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

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	01/28/11 14:02	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	01/31/11 11:22	JDH	
Barium [7440-39-3] ^	**216**		ug/L	1	1.00	10.0	100	EPA 6010C	01/31/11 11:22	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	01/31/11 11:22	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	01/31/11 11:22	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	01/31/11 11:22	JDH	
Cobalt [7440-48-4] ^	**1410**		ug/L	1	1.10	10.0	10	EPA 6010C	01/31/11 11:22	JDH	
Copper [7440-50-8] ^	**2.32**	J	ug/L	1	1.60	10.0	10	EPA 6010C	01/31/11 11:22	JDH	
Lead [7439-92-1] ^	**4.13**	J	ug/L	1	1.90	10.0	10	EPA 6010C	01/31/11 11:22	JDH	
Nickel [7440-02-0] ^	**308**		ug/L	1	1.80	10.0	50	EPA 6010C	01/31/11 11:22	JDH	
Selenium [7782-49-2] ^	**6.75**	J	ug/L	1	0.830	1.00	10	EPA 6020A	01/28/11 14:02	VLO	
Silver [7440-22-4] ^	**8.57**	J	ug/L	1	1.90	10.0	10	EPA 6010C	01/31/11 11:22	JDH	
Thallium [7440-28-0] ^	**0.754**	J	ug/L	1	0.110	1.00	5.5	EPA 6020A	01/28/11 14:02	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	01/31/11 11:22	JDH	
Zinc [7440-66-6] ^	**158**		ug/L	1	3.80	10.0	10	EPA 6010C	01/31/11 11:22	JDH	

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

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Description: 3301-Equipment Blank
Matrix: Water
Project: Edgecombe County Landfill - Jan

Lab Sample ID: C100745-08
Sampled: 01/19/11 14:15
Sampled By: Michelle Logut

Received: 01/20/11 13:05
Work Order: C100745

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	01/29/11 07:13	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	01/29/11 07:13	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	01/29/11 07:13	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	01/29/11 07:13	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	01/29/11 07:13	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	01/29/11 07:13	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	01/29/11 07:13	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	01/29/11 07:13	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	01/29/11 07:13	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	01/29/11 07:13	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	01/29/11 07:13	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	01/29/11 07:13	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/29/11 07:13	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	01/29/11 07:13	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	01/29/11 07:13	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	01/29/11 07:13	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	01/29/11 07:13	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	01/29/11 07:13	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	01/29/11 07:13	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	01/29/11 07:13	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	01/29/11 07:13	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	01/29/11 07:13	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	01/29/11 07:13	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	01/29/11 07:13	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/29/11 07:13	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	01/29/11 07:13	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	01/29/11 07:13	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	01/29/11 07:13	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	01/29/11 07:13	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	01/29/11 07:13	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	01/29/11 07:13	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	01/29/11 07:13	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	01/29/11 07:13	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	01/29/11 07:13	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	01/29/11 07:13	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	01/29/11 07:13	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	01/29/11 07:13	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	01/29/11 07:13	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	01/29/11 07:13	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	01/29/11 07:13	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/29/11 07:13	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	01/29/11 07:13	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	01/29/11 07:13	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	01/29/11 07:13	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	01/29/11 07:13	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	01/29/11 07:13	JKG	

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Description: 3301-Equipment Blank
Matrix: Water
Project: Edgecombe County Landfill - Jan

Lab Sample ID: C100745-08
Sampled: 01/19/11 14:15
Sampled By: Michelle Logut

Received: 01/20/11 13:05
Work Order: C100745

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	01/29/11 07:13	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*48*	*1*	*50.0*	*96 %*	*51-122*	*1A28004*	*EPA 8260B*	*01/29/11 07:13*	*JKG*	
Dibromofluoromethane	*54*	*1*	*50.0*	*108 %*	*68-117*	*1A28004*	*EPA 8260B*	*01/29/11 07:13*	*JKG*	
Toluene-d8	*51*	*1*	*50.0*	*103 %*	*69-110*	*1A28004*	*EPA 8260B*	*01/29/11 07:13*	*JKG*	

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Description: 3301-Equipment Blank
Matrix: Water
Project: Edgecombe County Landfill - Jan

Lab Sample ID: C100745-08
Sampled: 01/19/11 14:15
Sampled By: Michelle Logut

Received: 01/20/11 13:05
Work Order: C100745

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

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	01/28/11 14:06	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	01/31/11 11:25	JDH	
Barium [7440-39-3] ^	1.00	U	ug/L	1	1.00	10.0	100	EPA 6010C	01/31/11 11:25	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	01/31/11 11:25	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	01/31/11 11:25	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	01/31/11 11:25	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	01/31/11 11:25	JDH	
Copper [7440-50-8] ^	**2.69**	J	ug/L	1	1.60	10.0	10	EPA 6010C	01/31/11 11:25	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	01/31/11 11:25	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	01/31/11 11:25	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	01/28/11 14:06	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	01/31/11 11:25	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	01/28/11 14:06	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	01/31/11 11:25	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	01/31/11 11:25	JDH	

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

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1A20013 - EPA 5030B_MS

Blank (1A20013-BLK1) Prepared: 01/20/2011 10:31 Analyzed: 01/20/2011 21:49

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.90	U	1.0	ug/L							
1,1,1-Trichloroethane	0.65	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.75	U	1.0	ug/L							
1,1,2-Trichloroethane	0.66	U	1.0	ug/L							
1,1-Dichloroethane	0.59	U	1.0	ug/L							
1,1-Dichloroethene	0.60	U	1.0	ug/L							
1,2,3-Trichloropropane	0.72	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.88	U	1.0	ug/L							
1,2-Dichloroethane	0.47	U	1.0	ug/L							
1,2-Dichloropropane	0.59	U	1.0	ug/L							
1,4-Dichlorobenzene	0.79	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Acrylonitrile	3.5	U	10	ug/L							
Benzene	0.68	U	1.0	ug/L							
Bromochloromethane	0.87	U	1.0	ug/L							
Bromodichloromethane	0.75	U	1.0	ug/L							
Bromoform	0.68	U	1.0	ug/L							
Bromomethane	0.58	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.69	U	1.0	ug/L							
Chlorobenzene	0.74	U	1.0	ug/L							
Chloroethane	0.75	U	1.0	ug/L							
Chloroform	0.70	U	1.0	ug/L							
Chloromethane	0.55	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.72	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.64	U	1.0	ug/L							
Dibromochloromethane	0.63	U	1.0	ug/L							
Dibromomethane	0.90	U	1.0	ug/L							
Ethylbenzene	0.62	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							
Methylene chloride	0.58	U	1.0	ug/L							
Styrene	0.60	U	1.0	ug/L							
Tetrachloroethene	0.73	U	1.0	ug/L							
Toluene	0.85	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.67	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.50	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.72	U	1.0	ug/L							
Trichlorofluoromethane	0.66	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.60	U	1.0	ug/L							
Xylenes (Total)	0.40	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*45*			*ug/L*	*50.0*		*91*	*51-122*			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1A20013 - EPA 5030B_MS

Blank (1A20013-BLK1) Continued Prepared: 01/20/2011 10:31 Analyzed: 01/20/2011 21:49

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Dibromofluoromethane	*52*			*ug/L*	*50.0*		*103*	*68-117*			
Surrogate: Toluene-d8	*49*			*ug/L*	*50.0*		*97*	*69-110*			

LCS (1A20013-BS1) Prepared: 01/20/2011 10:31 Analyzed: 01/20/2011 22:18

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	21		1.0	ug/L	20.0		107	75-133			
Benzene	22		1.0	ug/L	20.0		112	81-134			
Chlorobenzene	21		1.0	ug/L	20.0		107	83-117			
Toluene	21		1.0	ug/L	20.0		106	71-118			
Trichloroethene	22		1.0	ug/L	20.0		108	75-115			

Matrix Spike (1A20013-MS1) Prepared: 01/20/2011 10:31 Analyzed: 01/20/2011 22:47

Source: C100730-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0	0.60 U	111	75-133			
Benzene	22		1.0	ug/L	20.0	0.68 U	108	81-134			
Chlorobenzene	21		1.0	ug/L	20.0	0.74 U	103	83-117			
Toluene	21		1.0	ug/L	20.0	0.85 U	103	71-118			
Trichloroethene	21		1.0	ug/L	20.0	0.72 U	105	75-115			

Matrix Spike Dup (1A20013-MSD1) Prepared: 01/20/2011 10:31 Analyzed: 01/20/2011 23:16

Source: C100730-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	21		1.0	ug/L	20.0	0.60 U	107	75-133	4	20	
Benzene	21		1.0	ug/L	20.0	0.68 U	104	81-134	4	17	
Chlorobenzene	20		1.0	ug/L	20.0	0.74 U	101	83-117	2	16	
Toluene	20		1.0	ug/L	20.0	0.85 U	100	71-118	3	17	
Trichloroethene	21		1.0	ug/L	20.0	0.72 U	106	75-115	1	18	

Batch 1A21039 - EPA 5030B_MS

Blank (1A21039-BLK1) Prepared: 01/21/2011 13:55 Analyzed: 01/21/2011 23:05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.90	U	1.0	ug/L							
1,1,1-Trichloroethane	0.65	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.75	U	1.0	ug/L							
1,1,2-Trichloroethane	0.66	U	1.0	ug/L							
1,1-Dichloroethane	0.59	U	1.0	ug/L							
1,1-Dichloroethene	0.60	U	1.0	ug/L							
1,2,3-Trichloropropane	0.72	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.88	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1A21039 - EPA 5030B_MS

Blank (1A21039-BLK1) Continued Prepared: 01/21/2011 13:55 Analyzed: 01/21/2011 23:05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dichloroethane	0.47	U	1.0	ug/L							
1,2-Dichloropropane	0.59	U	1.0	ug/L							
1,4-Dichlorobenzene	0.79	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Acrylonitrile	3.5	U	10	ug/L							
Benzene	0.68	U	1.0	ug/L							
Bromochloromethane	0.87	U	1.0	ug/L							
Bromodichloromethane	0.75	U	1.0	ug/L							
Bromoform	0.68	U	1.0	ug/L							
Bromomethane	0.58	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.69	U	1.0	ug/L							
Chlorobenzene	0.74	U	1.0	ug/L							
Chloroethane	0.75	U	1.0	ug/L							
Chloroform	0.70	U	1.0	ug/L							
Chloromethane	0.55	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.72	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.64	U	1.0	ug/L							
Dibromochloromethane	0.63	U	1.0	ug/L							
Dibromomethane	0.90	U	1.0	ug/L							
Ethylbenzene	0.62	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							
Methylene chloride	0.58	U	1.0	ug/L							
Styrene	0.60	U	1.0	ug/L							
Tetrachloroethene	0.73	U	1.0	ug/L							
Toluene	0.85	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.67	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.50	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.72	U	1.0	ug/L							
Trichlorofluoromethane	0.66	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.60	U	1.0	ug/L							
Xylenes (Total)	0.40	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*46*			*ug/L*	*50.0*		*93*	*51-122*			
Surrogate: Dibromofluoromethane	*49*			*ug/L*	*50.0*		*98*	*68-117*			
Surrogate: Toluene-d8	*49*			*ug/L*	*50.0*		*98*	*69-110*			

LCS (1A21039-BS1) Prepared: 01/21/2011 13:55 Analyzed: 01/21/2011 23:36

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	21		1.0	ug/L	20.0		107	75-133			
Benzene	21		1.0	ug/L	20.0		107	81-134			
Chlorobenzene	20		1.0	ug/L	20.0		100	83-117			
Toluene	20		1.0	ug/L	20.0		98	71-118			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1A21039 - EPA 5030B_MS

LCS (1A21039-BS1) Continued Prepared: 01/21/2011 13:55 Analyzed: 01/21/2011 23:36

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Trichloroethene	20		1.0	ug/L	20.0		102	75-115			

Matrix Spike (1A21039-MS1) Prepared: 01/21/2011 13:55 Analyzed: 01/22/2011 00:06

Source: C015019-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	24		1.0	ug/L	20.0	0.60 U	122	75-133			
Benzene	25		1.0	ug/L	20.0	1.5	116	81-134			
Chlorobenzene	23		1.0	ug/L	20.0	0.45	112	83-117			
Toluene	21		1.0	ug/L	20.0	0.85 U	104	71-118			
Trichloroethene	25		1.0	ug/L	20.0	0.53	120	75-115			QM-07

Matrix Spike Dup (1A21039-MSD1) Prepared: 01/21/2011 13:55 Analyzed: 01/22/2011 00:37

Source: C015019-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	24		1.0	ug/L	20.0	0.60 U	122	75-133	0.2	20	
Benzene	23		1.0	ug/L	20.0	1.5	105	81-134	10	17	
Chlorobenzene	21		1.0	ug/L	20.0	0.45	101	83-117	10	16	
Toluene	20		1.0	ug/L	20.0	0.85 U	99	71-118	5	17	
Trichloroethene	21		1.0	ug/L	20.0	0.53	105	75-115	14	18	

Batch 1A27027 - EPA 5030B_MS

Blank (1A27027-BLK1) Prepared: 01/27/2011 12:24 Analyzed: 01/28/2011 01:39

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.90	U	1.0	ug/L							
1,1,1-Trichloroethane	0.65	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.75	U	1.0	ug/L							
1,1,2-Trichloroethane	0.66	U	1.0	ug/L							
1,1-Dichloroethane	0.59	U	1.0	ug/L							
1,1-Dichloroethene	0.60	U	1.0	ug/L							
1,2,3-Trichloropropane	0.72	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.88	U	1.0	ug/L							
1,2-Dichloroethane	0.47	U	1.0	ug/L							
1,2-Dichloropropane	0.59	U	1.0	ug/L							
1,4-Dichlorobenzene	0.79	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Acrylonitrile	3.5	U	10	ug/L							
Benzene	0.68	U	1.0	ug/L							
Bromochloromethane	0.87	U	1.0	ug/L							
Bromodichloromethane	0.75	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1A27027 - EPA 5030B_MS

Blank (1A27027-BLK1) Continued Prepared: 01/27/2011 12:24 Analyzed: 01/28/2011 01:39

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Bromoform	0.68	U	1.0	ug/L							
Bromomethane	0.58	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.69	U	1.0	ug/L							
Chlorobenzene	0.74	U	1.0	ug/L							
Chloroethane	0.75	U	1.0	ug/L							
Chloroform	0.70	U	1.0	ug/L							
Chloromethane	0.55	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.72	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.64	U	1.0	ug/L							
Dibromochloromethane	0.63	U	1.0	ug/L							
Dibromomethane	0.90	U	1.0	ug/L							
Ethylbenzene	0.62	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							
Methylene chloride	0.58	U	1.0	ug/L							
Styrene	0.60	U	1.0	ug/L							
Tetrachloroethene	0.73	U	1.0	ug/L							
Toluene	0.85	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.67	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.50	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.72	U	1.0	ug/L							
Trichlorofluoromethane	0.66	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.60	U	1.0	ug/L							
Xylenes (Total)	0.40	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*52*			*ug/L*	*50.0*		*105*	*51-122*			
Surrogate: Dibromofluoromethane	*46*			*ug/L*	*50.0*		*93*	*68-117*			
Surrogate: Toluene-d8	*49*			*ug/L*	*50.0*		*99*	*69-110*			

LCS (1A27027-BS1) Prepared: 01/27/2011 12:24 Analyzed: 01/28/2011 02:08

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	16		1.0	ug/L	20.0		82	75-133			
Benzene	19		1.0	ug/L	20.0		94	81-134			
Chlorobenzene	19		1.0	ug/L	20.0		93	83-117			
Toluene	17		1.0	ug/L	20.0		87	71-118			
Trichloroethene	18		1.0	ug/L	20.0		91	75-115			

Matrix Spike (1A27027-MS1) Prepared: 01/27/2011 12:24 Analyzed: 01/28/2011 02:37

Source: C100961-09

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	16		1.0	ug/L	20.0	0.60 U	79	75-133			
Benzene	19		1.0	ug/L	20.0	0.68 U	95	81-134			
Chlorobenzene	18		1.0	ug/L	20.0	0.74 U	92	83-117			
Toluene	17		1.0	ug/L	20.0	0.85 U	87	71-118			
Trichloroethene	19		1.0	ug/L	20.0	0.72 U	94	75-115			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1A27027 - EPA 5030B_MS

Matrix Spike Dup (1A27027-MSD1) Prepared: 01/27/2011 12:24 Analyzed: 01/28/2011 03:06

Source: C100961-09

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	15		1.0	ug/L	20.0	0.60 U	76	75-133	5	20	
Benzene	18		1.0	ug/L	20.0	0.68 U	90	81-134	5	17	
Chlorobenzene	18		1.0	ug/L	20.0	0.74 U	90	83-117	2	16	
Toluene	17		1.0	ug/L	20.0	0.85 U	86	71-118	2	17	
Trichloroethene	18		1.0	ug/L	20.0	0.72 U	88	75-115	6	18	

Batch 1A28004 - EPA 5030B_MS

Blank (1A28004-BLK1) Prepared: 01/28/2011 09:27 Analyzed: 01/29/2011 03:52

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.90	U	1.0	ug/L							
1,1,1-Trichloroethane	0.65	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.75	U	1.0	ug/L							
1,1,2-Trichloroethane	0.66	U	1.0	ug/L							
1,1-Dichloroethane	0.59	U	1.0	ug/L							
1,1-Dichloroethene	0.60	U	1.0	ug/L							
1,2,3-Trichloropropane	0.72	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.88	U	1.0	ug/L							
1,2-Dichloroethane	0.47	U	1.0	ug/L							
1,2-Dichloropropane	0.59	U	1.0	ug/L							
1,4-Dichlorobenzene	0.79	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Acrylonitrile	3.5	U	10	ug/L							
Benzene	0.68	U	1.0	ug/L							
Bromochloromethane	0.87	U	1.0	ug/L							
Bromodichloromethane	0.75	U	1.0	ug/L							
Bromoform	0.68	U	1.0	ug/L							
Bromomethane	0.58	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.69	U	1.0	ug/L							
Chlorobenzene	0.74	U	1.0	ug/L							
Chloroethane	0.75	U	1.0	ug/L							
Chloroform	0.70	U	1.0	ug/L							
Chloromethane	0.55	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.72	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.64	U	1.0	ug/L							
Dibromochloromethane	0.63	U	1.0	ug/L							
Dibromomethane	0.90	U	1.0	ug/L							
Ethylbenzene	0.62	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1A28004 - EPA 5030B_MS

Blank (1A28004-BLK1) Continued Prepared: 01/28/2011 09:27 Analyzed: 01/29/2011 03:52

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Methylene chloride	0.58	U	1.0	ug/L							
Styrene	0.60	U	1.0	ug/L							
Tetrachloroethene	0.73	U	1.0	ug/L							
Toluene	0.85	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.67	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.50	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.72	U	1.0	ug/L							
Trichlorofluoromethane	0.66	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.60	U	1.0	ug/L							
Xylenes (Total)	0.40	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*47*			*ug/L*	*50.0*		*94*	*51-122*			
Surrogate: Dibromofluoromethane	*55*			*ug/L*	*50.0*		*109*	*68-117*			
Surrogate: Toluene-d8	*51*			*ug/L*	*50.0*		*103*	*69-110*			

LCS (1A28004-BS1) Prepared: 01/28/2011 09:27 Analyzed: 01/29/2011 04:21

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	26		1.0	ug/L	20.0		131	75-133			
Benzene	23		1.0	ug/L	20.0		114	81-134			
Chlorobenzene	21		1.0	ug/L	20.0		107	83-117			
Toluene	22		1.0	ug/L	20.0		108	71-118			
Trichloroethene	22		1.0	ug/L	20.0		112	75-115			

Matrix Spike (1A28004-MS1) Prepared: 01/28/2011 09:27 Analyzed: 01/29/2011 04:50

Source: C101039-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	27		1.0	ug/L	20.0	0.60 U	134	75-133			QM-07
Benzene	23		1.0	ug/L	20.0	0.68 U	113	81-134			
Chlorobenzene	21		1.0	ug/L	20.0	0.74 U	107	83-117			
Toluene	21		1.0	ug/L	20.0	0.85 U	106	71-118			
Trichloroethene	21		1.0	ug/L	20.0	0.72 U	103	75-115			

Matrix Spike Dup (1A28004-MSD1) Prepared: 01/28/2011 09:27 Analyzed: 01/29/2011 05:18

Source: C101039-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	28		1.0	ug/L	20.0	0.60 U	139	75-133	4	20	QM-07
Benzene	24		1.0	ug/L	20.0	0.68 U	119	81-134	5	17	
Chlorobenzene	21		1.0	ug/L	20.0	0.74 U	106	83-117	2	16	
Toluene	21		1.0	ug/L	20.0	0.85 U	107	71-118	1	17	
Trichloroethene	21		1.0	ug/L	20.0	0.72 U	105	75-115	2	18	

Metals by EPA 6000/7000 Series Methods - Quality Control

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 1A21011 - EPA 245.1

Blank (1A21011-BLK1) Prepared: 01/21/2011 09:12 Analyzed: 01/21/2011 14:05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.170	U	0.200	ug/L							

LCS (1A21011-BS1) Prepared: 01/21/2011 09:12 Analyzed: 01/21/2011 14:08

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.75		0.200	ug/L	5.00		95	85-115			

Matrix Spike (1A21011-MS1) Prepared: 01/21/2011 09:12 Analyzed: 01/21/2011 14:13

Source: C015019-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.00		0.200	ug/L	5.00	0.170 U	80	85-115			QM-07

Matrix Spike Dup (1A21011-MSD1) Prepared: 01/21/2011 09:12 Analyzed: 01/21/2011 14:16

Source: C015019-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	3.96		0.200	ug/L	5.00	0.170 U	79	85-115	1	15	QM-07

Post Spike (1A21011-PS1) Prepared: 01/21/2011 09:12 Analyzed: 01/21/2011 14:19

Source: C015019-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	3.24		0.200	ug/L	5.00	0.0614	64	75-125			QM-08

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

Batch 1A19018 - EPA 3005A

Blank (1A19018-BLK1) Prepared: 01/19/2011 14:30 Analyzed: 01/24/2011 12:01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	2.80	U	10.0	ug/L							
Barium	1.00	U	10.0	ug/L							
Beryllium	0.100	U	1.00	ug/L							
Cadmium	0.360	U	1.00	ug/L							
Chromium	1.00	U	10.0	ug/L							
Cobalt	1.10	U	10.0	ug/L							
Copper	1.60	U	10.0	ug/L							
Iron	22.0	U	50.0	ug/L							
Lead	1.90	U	10.0	ug/L							
Manganese	1.10	U	10.0	ug/L							
Nickel	1.80	U	10.0	ug/L							
Silver	1.90	U	10.0	ug/L							
Vanadium	1.40	U	10.0	ug/L							
Zinc	3.80	U	10.0	ug/L							

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QUALITY CONTROL

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

Batch 1A19018 - EPA 3005A

LCS (1A19018-BS1) Prepared: 01/19/2011 14:30 Analyzed: 01/24/2011 12:04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	525		10.0	ug/L	500		105	80-120			
Barium	530		10.0	ug/L	500		106	80-120			
Beryllium	266		1.00	ug/L	250		106	80-120			
Cadmium	261		1.00	ug/L	250		104	80-120			
Chromium	536		10.0	ug/L	500		107	80-120			
Cobalt	510		10.0	ug/L	500		102	80-120			
Copper	274		10.0	ug/L	250		109	80-120			
Iron	5240		50.0	ug/L	5000		105	80-120			
Lead	530		10.0	ug/L	500		106	80-120			
Manganese	266		10.0	ug/L	250		106	80-120			
Nickel	530		10.0	ug/L	500		106	80-120			
Silver	268		10.0	ug/L	250		107	80-120			
Vanadium	263		10.0	ug/L	250		105	80-120			
Zinc	530		10.0	ug/L	500		106	80-120			

Matrix Spike (1A19018-MS1) Prepared: 01/19/2011 14:30 Analyzed: 01/24/2011 12:08

Source: C015866-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	512		10.0	ug/L	500	2.80 U	102	75-125			
Barium	565		10.0	ug/L	500	37.7	105	75-125			
Beryllium	266		1.00	ug/L	250	0.100 U	106	75-125			
Cadmium	257		1.00	ug/L	250	0.360 U	103	75-125			
Chromium	529		10.0	ug/L	500	2.90	105	75-125			
Cobalt	510		10.0	ug/L	500	7.41	100	75-125			
Copper	270		10.0	ug/L	250	1.60 U	108	75-125			
Iron	6580		50.0	ug/L	5000	1170	108	75-125			
Lead	522		10.0	ug/L	500	1.90 U	104	75-125			
Manganese	1240		10.0	ug/L	250	940	120	75-125			
Nickel	521		10.0	ug/L	500	1.80 U	104	75-125			
Silver	264		10.0	ug/L	250	1.90 U	106	75-125			
Vanadium	261		10.0	ug/L	250	1.49	104	75-125			
Zinc	526		10.0	ug/L	500	3.80 U	105	75-125			

Matrix Spike Dup (1A19018-MSD1) Prepared: 01/19/2011 14:30 Analyzed: 01/24/2011 12:10

Source: C015866-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	517		10.0	ug/L	500	2.80 U	103	75-125	1	20	
Barium	565		10.0	ug/L	500	37.7	105	75-125	0.03	20	
Beryllium	264		1.00	ug/L	250	0.100 U	106	75-125	0.5	20	
Cadmium	258		1.00	ug/L	250	0.360 U	103	75-125	0.3	20	
Chromium	531		10.0	ug/L	500	2.90	106	75-125	0.3	20	
Cobalt	510		10.0	ug/L	500	7.41	100	75-125	0.02	20	
Copper	269		10.0	ug/L	250	1.60 U	108	75-125	0.3	20	
Iron	6580		50.0	ug/L	5000	1170	108	75-125	0.04	20	
Lead	524		10.0	ug/L	500	1.90 U	105	75-125	0.5	20	
Manganese	1230		10.0	ug/L	250	940	115	75-125	1	20	

QUALITY CONTROL

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

Batch 1A19018 - EPA 3005A

Matrix Spike Dup (1A19018-MSD1) Continued Prepared: 01/19/2011 14:30 Analyzed: 01/24/2011 12:10

Source: C015866-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nickel	523		10.0	ug/L	500	1.80 U	105	75-125	0.4	20	
Silver	264		10.0	ug/L	250	1.90 U	106	75-125	0.1	20	
Vanadium	262		10.0	ug/L	250	1.49	104	75-125	0.2	20	
Zinc	531		10.0	ug/L	500	3.80 U	106	75-125	1	20	

Post Spike (1A19018-PS1) Prepared: 01/19/2011 14:30 Analyzed: 01/24/2011 12:12

Source: C015866-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1.05		0.0100	mg/L	1.00	-0.000458	105	80-120			
Barium	1.08		0.0100	mg/L	1.00	0.0377	104	80-120			
Beryllium	0.537		0.00100	mg/L	0.500	4.03E-5	107	80-120			
Cadmium	0.513		0.00100	mg/L	0.500	0.000149	103	80-120			
Chromium	1.04		0.0100	mg/L	1.00	0.00290	104	80-120			
Cobalt	1.05		0.0100	mg/L	1.00	0.00741	105	80-120			
Copper	0.530		0.0100	mg/L	0.500	0.00128	106	80-120			
Iron	11.4		0.0500	mg/L	10.0	1.17	103	80-120			
Lead	1.05		0.0100	mg/L	1.00	0.00119	105	80-120			
Manganese	1.44		0.0100	mg/L	0.500	0.940	100	80-120			
Nickel	1.04		0.0100	mg/L	1.00	0.00143	104	80-120			
Silver	0.498		0.0100	mg/L	0.500	0.00107	99	80-120			
Vanadium	0.513		0.0100	mg/L	0.500	0.00149	102	80-120			
Zinc	1.05		0.0100	mg/L	1.00	0.00255	105	80-120			

Batch 1A20009 - EPA 3005A

Blank (1A20009-BLK1) Prepared: 01/20/2011 10:10 Analyzed: 01/25/2011 09:41

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.220	U	2.00	ug/L							
Selenium	0.830	U	1.00	ug/L							
Thallium	0.110	U	1.00	ug/L							

LCS (1A20009-BS1) Prepared: 01/20/2011 10:10 Analyzed: 01/25/2011 09:45

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	25.0		2.00	ug/L	25.0		100	80-120			
Selenium	25.9		1.00	ug/L	25.0		104	80-120			
Thallium	26.0		1.00	ug/L	25.0		104	80-120			

Matrix Spike (1A20009-MS1) Prepared: 01/20/2011 10:10 Analyzed: 01/25/2011 09:52

Source: C015863-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	24.5		2.00	ug/L	25.0	0.220 U	98	75-125			
Selenium	25.8		1.00	ug/L	25.0	0.830 U	103	75-125			

QUALITY CONTROL

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

Batch 1A20009 - EPA 3005A

Matrix Spike (1A20009-MS1) Continued Prepared: 01/20/2011 10:10 Analyzed: 01/25/2011 09:52

Source: C015863-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Thallium	25.3		1.00	ug/L	25.0	0.110 U	101	75-125			

Matrix Spike Dup (1A20009-MSD1) Prepared: 01/20/2011 10:10 Analyzed: 01/25/2011 09:55

Source: C015863-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	22.4		2.00	ug/L	25.0	0.220 U	89	75-125	9	20	
Selenium	23.0		1.00	ug/L	25.0	0.830 U	92	75-125	12	20	
Thallium	22.9		1.00	ug/L	25.0	0.110 U	92	75-125	10	20	

Post Spike (1A20009-PS1) Prepared: 01/20/2011 10:10 Analyzed: 01/25/2011 09:59

Source: C015863-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	25.3		2.00	ug/L	25.0	-0.0160	101	80-120			
Selenium	24.3		1.00	ug/L	25.0	0.0910	97	80-120			
Thallium	25.9		1.00	ug/L	25.0	0.0340	103	80-120			

Batch 1A24022 - EPA 3005A

Blank (1A24022-BLK1) Prepared: 01/24/2011 13:19 Analyzed: 01/31/2011 10:16

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	2.80	U	10.0	ug/L							
Barium	1.00	U	10.0	ug/L							
Beryllium	0.100	U	1.00	ug/L							
Cadmium	0.360	U	1.00	ug/L							
Chromium	1.00	U	10.0	ug/L							
Cobalt	1.10	U	10.0	ug/L							
Copper	1.60	U	10.0	ug/L							
Iron	22.0	U	50.0	ug/L							
Lead	1.90	U	10.0	ug/L							
Manganese	1.10	U	10.0	ug/L							
Nickel	1.80	U	10.0	ug/L							
Silver	1.90	U	10.0	ug/L							
Vanadium	1.40	U	10.0	ug/L							
Zinc	3.80	U	10.0	ug/L							

LCS (1A24022-BS1) Prepared: 01/24/2011 13:19 Analyzed: 01/31/2011 10:19

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	566		10.0	ug/L	500		113	80-120			
Barium	560		10.0	ug/L	500		112	80-120			
Beryllium	283		1.00	ug/L	250		113	80-120			
Cadmium	281		1.00	ug/L	250		112	80-120			
Chromium	566		10.0	ug/L	500		113	80-120			

QUALITY CONTROL

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

Batch 1A24022 - EPA 3005A

LCS (1A24022-BS1) Continued Prepared: 01/24/2011 13:19 Analyzed: 01/31/2011 10:19

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cobalt	540		10.0	ug/L	500		108	80-120			
Copper	282		10.0	ug/L	250		113	80-120			
Iron	5590		50.0	ug/L	5000		112	80-120			
Lead	561		10.0	ug/L	500		112	80-120			
Manganese	280		10.0	ug/L	250		112	80-120			
Nickel	559		10.0	ug/L	500		112	80-120			
Silver	276		10.0	ug/L	250		110	80-120			
Vanadium	272		10.0	ug/L	250		109	80-120			
Zinc	559		10.0	ug/L	500		112	80-120			

Matrix Spike (1A24022-MS1) Prepared: 01/24/2011 13:19 Analyzed: 01/31/2011 10:25

Source: C100728-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	561		10.0	ug/L	500	2.80 U	112	75-125			
Barium	795		10.0	ug/L	500	230	113	75-125			
Beryllium	289		1.00	ug/L	250	2.44	115	75-125			
Cadmium	279		1.00	ug/L	250	0.360 U	112	75-125			
Chromium	569		10.0	ug/L	500	2.33	113	75-125			
Cobalt	553		10.0	ug/L	500	11.7	108	75-125			
Copper	285		10.0	ug/L	250	2.26	113	75-125			
Iron	10800		50.0	ug/L	5000	3800	139	75-125			QM-07
Lead	558		10.0	ug/L	500	1.90 U	112	75-125			
Manganese	664		10.0	ug/L	250	376	115	75-125			
Nickel	560		10.0	ug/L	500	4.42	111	75-125			
Silver	274		10.0	ug/L	250	1.90 U	110	75-125			
Vanadium	278		10.0	ug/L	250	2.92	110	75-125			
Zinc	578		10.0	ug/L	500	17.7	112	75-125			

Matrix Spike Dup (1A24022-MSD1) Prepared: 01/24/2011 13:19 Analyzed: 01/31/2011 10:27

Source: C100728-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	557		10.0	ug/L	500	2.80 U	111	75-125	0.7	20	
Barium	798		10.0	ug/L	500	230	114	75-125	0.3	20	
Beryllium	290		1.00	ug/L	250	2.44	115	75-125	0.3	20	
Cadmium	280		1.00	ug/L	250	0.360 U	112	75-125	0.5	20	
Chromium	570		10.0	ug/L	500	2.33	114	75-125	0.2	20	
Cobalt	556		10.0	ug/L	500	11.7	109	75-125	0.5	20	
Copper	285		10.0	ug/L	250	2.26	113	75-125	0.3	20	
Iron	11000		50.0	ug/L	5000	3800	143	75-125	2	20	QM-07
Lead	560		10.0	ug/L	500	1.90 U	112	75-125	0.5	20	
Manganese	665		10.0	ug/L	250	376	116	75-125	0.1	20	
Nickel	562		10.0	ug/L	500	4.42	112	75-125	0.4	20	
Silver	275		10.0	ug/L	250	1.90 U	110	75-125	0.4	20	
Vanadium	279		10.0	ug/L	250	2.92	111	75-125	0.3	20	
Zinc	580		10.0	ug/L	500	17.7	112	75-125	0.4	20	

QUALITY CONTROL

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

Batch 1A24022 - EPA 3005A

Post Spike (1A24022-PS1) Prepared: 01/24/2011 13:19 Analyzed: 01/31/2011 10:29

Source: C100728-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1.15		0.0100	mg/L	1.00	-0.00289	115	80-120			
Barium	1.37		0.0100	mg/L	1.00	0.230	114	80-120			
Beryllium	0.583		0.00100	mg/L	0.500	0.00244	116	80-120			
Cadmium	0.567		0.00100	mg/L	0.500	2.95E-5	113	80-120			
Chromium	1.14		0.0100	mg/L	1.00	0.00233	114	80-120			
Cobalt	1.10		0.0100	mg/L	1.00	0.0117	109	80-120			
Copper	0.571		0.0100	mg/L	0.500	0.00226	114	80-120			
Iron	15.3		0.0500	mg/L	10.0	3.80	114	80-120			
Lead	1.13		0.0100	mg/L	1.00	0.00152	113	80-120			
Manganese	0.953		0.0100	mg/L	0.500	0.376	115	80-120			
Nickel	1.13		0.0100	mg/L	1.00	0.00442	112	80-120			
Silver	0.542		0.0100	mg/L	0.500	0.000435	108	80-120			
Vanadium	0.556		0.0100	mg/L	0.500	0.00292	111	80-120			
Zinc	1.16		0.0100	mg/L	1.00	0.0177	114	80-120			

Batch 1A25026 - EPA 3005A

Blank (1A25026-BLK1) Prepared: 01/25/2011 11:33 Analyzed: 01/28/2011 12:19

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.220	U	2.00	ug/L							
Selenium	0.830	U	1.00	ug/L							
Thallium	0.110	U	1.00	ug/L							

LCS (1A25026-BS1) Prepared: 01/25/2011 11:33 Analyzed: 01/28/2011 12:23

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	25.1		2.00	ug/L	25.0		100	80-120			
Selenium	25.0		1.00	ug/L	25.0		100	80-120			
Thallium	26.6		1.00	ug/L	25.0		107	80-120			

Matrix Spike (1A25026-MS1) Prepared: 01/25/2011 11:33 Analyzed: 01/28/2011 12:30

Source: C015023-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	25.4		2.00	ug/L	25.0	0.220 U	102	75-125			
Selenium	26.4		1.00	ug/L	25.0	1.85	98	75-125			
Thallium	25.8		1.00	ug/L	25.0	0.110 U	103	75-125			

Matrix Spike Dup (1A25026-MSD1) Prepared: 01/25/2011 11:33 Analyzed: 01/28/2011 12:41

Source: C015023-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	24.6		2.00	ug/L	25.0	0.220 U	98	75-125	3	20	
Selenium	27.3		1.00	ug/L	25.0	1.85	102	75-125	3	20	
Thallium	25.1		1.00	ug/L	25.0	0.110 U	100	75-125	2	20	

QUALITY CONTROL

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

Batch 1A25026 - EPA 3005A

Post Spike (1A25026-PS1) Prepared: 01/25/2011 11:33 Analyzed: 01/28/2011 12:45

Source: C015023-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	25.0		2.00	ug/L	25.0	0.0570	100	80-120			
Selenium	27.3		1.00	ug/L	25.0	1.85	102	80-120			
Thallium	25.0		1.00	ug/L	25.0	0.0110	100	80-120			

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

Batch 1B08011 - EPA 3005A

Blank (1B08011-BLK1) Prepared: 02/08/2011 10:34 Analyzed: 02/09/2011 12:41

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	2.80	U	10.0	ug/L							
Barium	1.00	U	10.0	ug/L							
Beryllium	0.100	U	1.00	ug/L							
Cadmium	0.360	U	1.00	ug/L							
Chromium	1.00	U	10.0	ug/L							
Cobalt	1.10	U	10.0	ug/L							
Copper	1.60	U	10.0	ug/L							
Lead	1.90	U	10.0	ug/L							
Nickel	1.80	U	10.0	ug/L							
Silver	1.90	U	10.0	ug/L							
Vanadium	1.40	U	10.0	ug/L							
Zinc	3.80	U	10.0	ug/L							

LCS (1B08011-BS1) Prepared: 02/08/2011 10:34 Analyzed: 02/09/2011 12:43

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	526		10.0	ug/L	500		105	80-120			
Barium	536		10.0	ug/L	500		107	80-120			
Beryllium	267		1.00	ug/L	250		107	80-120			
Cadmium	266		1.00	ug/L	250		107	80-120			
Chromium	542		10.0	ug/L	500		108	80-120			
Cobalt	530		10.0	ug/L	500		106	80-120			
Copper	272		10.0	ug/L	250		109	80-120			
Lead	534		10.0	ug/L	500		107	80-120			
Nickel	537		10.0	ug/L	500		107	80-120			
Silver	263		10.0	ug/L	250		105	80-120			
Vanadium	263		10.0	ug/L	250		105	80-120			
Zinc	534		10.0	ug/L	500		107	80-120			

Matrix Spike (1B08011-MS1) Prepared: 02/08/2011 10:34 Analyzed: 02/09/2011 12:48

Source: C100236-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	520		10.0	ug/L	500	2.80 U	104	75-125			
Barium	615		10.0	ug/L	500	91.4	105	75-125			
Beryllium	267		1.00	ug/L	250	0.100 U	107	75-125			

QUALITY CONTROL

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

Batch 1B08011 - EPA 3005A

Matrix Spike (1B08011-MS1) Continued Prepared: 02/08/2011 10:34 Analyzed: 02/09/2011 12:48

Source: C100236-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cadmium	259		1.00	ug/L	250	0.360 U	104	75-125			
Chromium	531		10.0	ug/L	500	1.00 U	106	75-125			
Cobalt	517		10.0	ug/L	500	1.10 U	103	75-125			
Copper	266		10.0	ug/L	250	1.60 U	107	75-125			
Lead	523		10.0	ug/L	500	1.90 U	105	75-125			
Nickel	519		10.0	ug/L	500	1.80 U	104	75-125			
Silver	259		10.0	ug/L	250	1.90 U	104	75-125			
Vanadium	259		10.0	ug/L	250	1.40 U	104	75-125			
Zinc	526		10.0	ug/L	500	3.80 U	105	75-125			

Matrix Spike Dup (1B08011-MSD1) Prepared: 02/08/2011 10:34 Analyzed: 02/09/2011 12:50

Source: C100236-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	516		10.0	ug/L	500	2.80 U	103	75-125	0.7	20	
Barium	612		10.0	ug/L	500	91.4	104	75-125	0.5	20	
Beryllium	269		1.00	ug/L	250	0.100 U	108	75-125	0.9	20	
Cadmium	257		1.00	ug/L	250	0.360 U	103	75-125	0.7	20	
Chromium	521		10.0	ug/L	500	1.00 U	104	75-125	2	20	
Cobalt	537		10.0	ug/L	500	1.10 U	107	75-125	4	20	
Copper	262		10.0	ug/L	250	1.60 U	105	75-125	2	20	
Lead	522		10.0	ug/L	500	1.90 U	104	75-125	0.1	20	
Nickel	519		10.0	ug/L	500	1.80 U	104	75-125	0.004	20	
Silver	252		10.0	ug/L	250	1.90 U	101	75-125	3	20	
Vanadium	255		10.0	ug/L	250	1.40 U	102	75-125	2	20	
Zinc	524		10.0	ug/L	500	3.80 U	105	75-125	0.3	20	

Post Spike (1B08011-PS1) Prepared: 02/08/2011 10:34 Analyzed: 02/09/2011 12:52

Source: C100236-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1.03		0.0100	mg/L	1.00	-0.000946	103	80-120			
Barium	1.13		0.0100	mg/L	1.00	0.0914	104	80-120			
Beryllium	0.528		0.00100	mg/L	0.500	3.17E-5	106	80-120			
Cadmium	0.514		0.00100	mg/L	0.500	0.000238	103	80-120			
Chromium	1.05		0.0100	mg/L	1.00	0.000209	105	80-120			
Cobalt	1.03		0.0100	mg/L	1.00	-0.000257	103	80-120			
Copper	0.533		0.0100	mg/L	0.500	0.00117	106	80-120			
Lead	1.02		0.0100	mg/L	1.00	0.000930	102	80-120			
Nickel	1.03		0.0100	mg/L	1.00	-0.000573	103	80-120			
Silver	0.502		0.0100	mg/L	0.500	0.00128	100	80-120			
Vanadium	0.514		0.0100	mg/L	0.500	0.000324	103	80-120			
Zinc	1.04		0.0100	mg/L	1.00	0.00368	104	80-120			

Batch 1B08013 - EPA 3005A

QUALITY CONTROL

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

Batch 1B08013 - EPA 3005A

Blank (1B08013-BLK1) Prepared: 02/08/2011 10:37 Analyzed: 02/10/2011 10:07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.220	U	2.00	ug/L							
Selenium	0.830	U	1.00	ug/L							
Thallium	0.110	U	1.00	ug/L							

LCS (1B08013-BS1) Prepared: 02/08/2011 10:37 Analyzed: 02/10/2011 10:10

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	23.7		2.00	ug/L	25.0		95	80-120			
Selenium	23.6		1.00	ug/L	25.0		95	80-120			
Thallium	23.5		1.00	ug/L	25.0		94	80-120			

Matrix Spike (1B08013-MS1) Prepared: 02/08/2011 10:37 Analyzed: 02/10/2011 10:21

Source: C100745-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	24.3		2.00	ug/L	25.0	0.220 U	97	75-125			
Selenium	20.6		1.00	ug/L	25.0	2.03	74	75-125			QM-07
Thallium	22.5		1.00	ug/L	25.0	0.110 U	90	75-125			

Matrix Spike Dup (1B08013-MSD1) Prepared: 02/08/2011 10:37 Analyzed: 02/10/2011 10:24

Source: C100745-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	25.5		2.00	ug/L	25.0	0.220 U	102	75-125	5	20	
Selenium	21.3		1.00	ug/L	25.0	2.03	77	75-125	4	20	
Thallium	23.2		1.00	ug/L	25.0	0.110 U	93	75-125	3	20	

Post Spike (1B08013-PS1) Prepared: 02/08/2011 10:37 Analyzed: 02/10/2011 10:28

Source: C100745-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	25.6		2.00	ug/L	25.0	0.00700	102	80-120			
Selenium	21.8		1.00	ug/L	25.0	2.03	79	80-120			QM-08
Thallium	24.1		1.00	ug/L	25.0	0.00100	96	80-120			

Classical Chemistry Parameters - Quality Control

Batch 1A19016 - NO PREP

Blank (1A19016-BLK1) Prepared & Analyzed: 01/19/2011 17:15

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Biochemical Oxygen Demand	2000	U	2000	ug/L							

LCS (1A19016-BS1) Prepared & Analyzed: 01/19/2011 17:15

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 1A19016 - NO PREP

LCS (1A19016-BS1) Continued Prepared & Analyzed: 01/19/2011 17:15

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Biochemical Oxygen Demand	200		2.0	mg/L	198		101	85-115			

Duplicate (1A19016-DUP1) Prepared & Analyzed: 01/19/2011 17:15

Source: C015865-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Biochemical Oxygen Demand	2000	U	2000	ug/L		2000 U				25	

Batch 1A19025 - NO PREP

LCS (1A19025-BS1) Prepared: 01/19/2011 19:11 Analyzed: 01/19/2011 19:11

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrite as N	1.0		0.10	mg/L	1.00		102	90-110			

Matrix Spike (1A19025-MS1) Prepared: 01/19/2011 19:14 Analyzed: 01/19/2011 19:14

Source: C015865-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrite as N	1.0		0.10	mg/L	1.00	0.016	99	90-110			

Matrix Spike Dup (1A19025-MSD1) Prepared: 01/19/2011 19:15 Analyzed: 01/19/2011 19:15

Source: C015865-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrite as N	1.0		0.10	mg/L	1.00	0.016	100	90-110	0.9	10	

Batch 1A20017 - NO PREP

Blank (1A20017-BLK1) Prepared & Analyzed: 01/20/2011 17:16

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Biochemical Oxygen Demand	2000	U	2000	ug/L							

LCS (1A20017-BS1) Prepared & Analyzed: 01/20/2011 17:16

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Biochemical Oxygen Demand	200		2.0	mg/L	198		100	85-115			

Duplicate (1A20017-DUP1) Prepared & Analyzed: 01/20/2011 17:16

Source: C015765-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Biochemical Oxygen Demand	2000	U	2000	ug/L		2000 U				25	B-09

Batch 1A20025 - NO PREP

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

LCS (1A20025-BS1) Prepared: 01/20/2011 16:14 Analyzed: 01/20/2011 20:09

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrite as N	0.99		0.10	mg/L	1.00		99	90-110			

Matrix Spike (1A20025-MS1) Prepared: 01/20/2011 16:14 Analyzed: 01/20/2011 21:42

Source: C015021-01RE1

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrite as N	0.93		0.10	mg/L	1.00	0.039	89	90-110			QM-05

Matrix Spike Dup (1A20025-MSD1) Prepared: 01/20/2011 16:14 Analyzed: 01/20/2011 21:43

Source: C015021-01RE1

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrite as N	0.96		0.10	mg/L	1.00	0.039	92	90-110	3	10	

Batch 1A20027 - NO PREP

LCS (1A20027-BS1) Prepared: 01/20/2011 16:18 Analyzed: 01/20/2011 20:45

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrite as N	1.0		0.10	mg/L	1.00		100	90-110			

Matrix Spike (1A20027-MS1) Prepared: 01/20/2011 16:18 Analyzed: 01/20/2011 21:44

Source: C100745-05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrite as N	0.96		0.10	mg/L	1.00	0.0065	95	90-110			

Matrix Spike Dup (1A20027-MSD1) Prepared: 01/20/2011 16:18 Analyzed: 01/20/2011 21:45

Source: C100745-05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrite as N	0.96		0.10	mg/L	1.00	0.0065	95	90-110	0.05	10	

Batch 1A21007 - NO PREP

Blank (1A21007-BLK1) Prepared & Analyzed: 01/21/2011 15:08

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	10000	U	10000	ug/L							

LCS (1A21007-BS1) Prepared & Analyzed: 01/21/2011 15:08

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	310		10	mg/L	300		103	90-110			

Duplicate (1A21007-DUP1) Prepared & Analyzed: 01/21/2011 15:08

Source: C012410-01

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 1A21007 - NO PREP

Duplicate (1A21007-DUP1) Continued Prepared & Analyzed: 01/21/2011 15:08

Source: C012410-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	690000		10000	ug/L		710000			3	10	

Batch 1A21020 - NO PREP

Blank (1A21020-BLK1) Prepared: 01/21/2011 13:04 Analyzed: 01/21/2011 13:39

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	10	U	100	ug/L							

LCS (1A21020-BS1) Prepared: 01/21/2011 13:04 Analyzed: 01/21/2011 13:39

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	0.41		0.10	mg/L	0.401		102	80-120			

Matrix Spike (1A21020-MS1) Prepared: 01/21/2011 13:04 Analyzed: 01/21/2011 13:39

Source: C100054-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	0.019		0.10	mg/L	0.401	-0.008	7	80-120			QM-05, QM-11

Matrix Spike Dup (1A21020-MSD1) Prepared: 01/21/2011 13:04 Analyzed: 01/21/2011 13:39

Source: C100054-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	0.030		0.10	mg/L	0.401	-0.008	9	80-120	43	25	QM-05, QM-11

Batch 1A21029 - NO PREP

Blank (1A21029-BLK1) Prepared: 01/21/2011 11:05 Analyzed: 01/21/2011 13:23

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	18	U	5000	ug/L							
Sulfate as SO4	120	U	5000	ug/L							

LCS (1A21029-BS1) Prepared: 01/21/2011 11:05 Analyzed: 01/21/2011 14:23

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	53		5.0	mg/L	50.0		106	90-110			
Sulfate as SO4	49		5.0	mg/L	50.0		97	90-110			

Matrix Spike (1A21029-MS2) Prepared: 01/21/2011 11:05 Analyzed: 01/21/2011 17:19

Source: C015021-01RE2

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	63		5.0	mg/L	20.0	40	115	90-110			QM-05

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 1A21029 - NO PREP

Matrix Spike (1A21029-MS2) Continued Prepared: 01/21/2011 11:05 Analyzed: 01/21/2011 17:19

Source: C015021-01RE2

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate as SO4	21		5.0	mg/L	20.0	2.0	97	90-110			

Matrix Spike Dup (1A21029-MSD2) Prepared: 01/21/2011 11:05 Analyzed: 01/21/2011 17:39

Source: C015021-01RE2

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	64		5.0	mg/L	20.0	40	116	90-110	0.2	10	QM-05
Sulfate as SO4	19		5.0	mg/L	20.0	2.0	85	90-110	12	10	

Batch 1A25012 - Same

Blank (1A25012-BLK1) Prepared: 01/25/2011 11:34 Analyzed: 01/25/2011 15:51

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chemical Oxygen Demand	2800	U	10000	ug/L							

LCS (1A25012-BS1) Prepared: 01/25/2011 11:34 Analyzed: 01/25/2011 15:51

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chemical Oxygen Demand	520		10	mg/L	500		103	90-110			

Matrix Spike (1A25012-MS1) Prepared: 01/25/2011 11:34 Analyzed: 01/25/2011 15:51

Source: C100054-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chemical Oxygen Demand	580		10	mg/L	500	59	104	90-110			

Matrix Spike Dup (1A25012-MSD1) Prepared: 01/25/2011 11:34 Analyzed: 01/25/2011 15:51

Source: C100054-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chemical Oxygen Demand	590		10	mg/L	500	59	106	90-110	2	10	

Batch 1A26009 - NO PREP

Blank (1A26009-BLK1) Prepared: 01/26/2011 09:13 Analyzed: 01/26/2011 12:13

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	18	U	5000	ug/L							
Sulfate as SO4	120	U	5000	ug/L							

LCS (1A26009-BS1) Prepared: 01/26/2011 09:13 Analyzed: 01/26/2011 12:33

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	52		5.0	mg/L	50.0		103	90-110			

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 1A26009 - NO PREP

LCS (1A26009-BS1) Continued Prepared: 01/26/2011 09:13 Analyzed: 01/26/2011 12:33

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate as SO4	47		5.0	mg/L	50.0		94	90-110			

Matrix Spike (1A26009-MS2) Prepared: 01/26/2011 09:13 Analyzed: 01/26/2011 18:45

Source: C015024-01RE1

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	41		5.0	mg/L	20.0	25	77	90-110			QM-05
Sulfate as SO4	14		5.0	mg/L	20.0	1.9	59	90-110			

Matrix Spike Dup (1A26009-MSD2) Prepared: 01/26/2011 09:13 Analyzed: 01/26/2011 19:05

Source: C015024-01RE1

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	44		5.0	mg/L	20.0	25	95	90-110	9	10	
Sulfate as SO4	14		5.0	mg/L	20.0	1.9	62	90-110	5	10	

Batch 1A26025 - NO PREP

Blank (1A26025-BLK1) Prepared: 01/26/2011 12:11 Analyzed: 01/26/2011 13:55

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity as CaCO3	8000	U	15000	ug/L							

LCS (1A26025-BS1) Prepared: 01/26/2011 12:11 Analyzed: 01/26/2011 13:56

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity as CaCO3	98		15	mg/L	100		98	80-120			

Matrix Spike (1A26025-MS1) Prepared: 01/26/2011 12:11 Analyzed: 01/26/2011 15:09

Source: C100054-02RE1

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity as CaCO3	82		15	mg/L	40.0	43	97	80-120			

Matrix Spike Dup (1A26025-MSD1) Prepared: 01/26/2011 12:11 Analyzed: 01/26/2011 15:09

Source: C100054-02RE1

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity as CaCO3	86		15	mg/L	40.0	43	108	80-120	5	25	

Batch 1A27008 - NO PREP

LCS (1A27008-BS1) Prepared: 01/27/2011 08:32 Analyzed: 01/27/2011 20:51

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate/Nitrite as N	1.2		0.10	mg/L	1.25		95	90-110			

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 1A27008 - NO PREP

Matrix Spike (1A27008-MS1) Prepared: 01/27/2011 08:32 Analyzed: 01/27/2011 20:53

Source: C015804-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate/Nitrite as N	0.53		0.10	mg/L	0.500	0.005	105	90-110			

Matrix Spike Dup (1A27008-MSD1) Prepared: 01/27/2011 08:32 Analyzed: 01/27/2011 21:00

Source: C015804-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate/Nitrite as N	0.53		0.10	mg/L	0.500	0.005	106	90-110	0.6	10	

Batch 1A29011 - NO PREP

LCS (1A29011-BS1) Prepared: 01/29/2011 23:02 Analyzed: 01/30/2011 01:35

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate/Nitrite as N	1.2		0.10	mg/L	1.25		93	90-110			

Matrix Spike (1A29011-MS1) Prepared: 01/29/2011 23:02 Analyzed: 01/30/2011 13:17

Source: C015021-01RE1

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate/Nitrite as N	0.048		0.10	mg/L	0.513	0.040	2	90-110			QM-05

Matrix Spike Dup (1A29011-MSD1) Prepared: 01/29/2011 23:02 Analyzed: 01/30/2011 13:18

Source: C015021-01RE1

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate/Nitrite as N	0.046		0.10	mg/L	0.513	0.040	1	90-110	3	10	QM-05

Batch 1B01027 - NO PREP

LCS (1B01027-BS1) Prepared: 02/01/2011 15:38 Analyzed: 02/01/2011 18:05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate/Nitrite as N	1.2		0.10	mg/L	1.25		97	90-110			

Matrix Spike (1B01027-MS1) Prepared: 02/01/2011 15:38 Analyzed: 02/01/2011 18:09

Source: C100060-08

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate/Nitrite as N	0.43		0.10	mg/L	0.513	0.17	49	90-110			QM-05, QM-11

Matrix Spike Dup (1B01027-MSD1) Prepared: 02/01/2011 15:38 Analyzed: 02/01/2011 18:11

Source: C100060-08

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate/Nitrite as N	0.54		0.10	mg/L	0.513	0.17	71	90-110	23	10	QM-05, QM-11

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 1B01027 - NO PREP

Batch 1B01028 - NO PREP

LCS (1B01028-BS1) Prepared: 02/01/2011 15:40 Analyzed: 02/01/2011 19:29

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate/Nitrite as N	1.2		0.10	mg/L	1.25		94	90-110			

Matrix Spike (1B01028-MS1) Prepared: 02/01/2011 15:40 Analyzed: 02/01/2011 19:34

Source: C009321-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate/Nitrite as N	0.57		0.10	mg/L	0.513	0.064	98	90-110			

Matrix Spike Dup (1B01028-MSD1) Prepared: 02/01/2011 15:40 Analyzed: 02/01/2011 19:36

Source: C009321-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nitrate/Nitrite as N	0.59		0.10	mg/L	0.513	0.064	102	90-110	4	10	

QUALITY CONTROL

Dissolved Gases by GC - Quality Control

Batch 1A21003 - NO PREP ANALYTIX

Blank (1A21003-BLK1) Prepared: 01/21/2011 09:20 Analyzed: 01/21/2011 11:00

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Carbon dioxide	2000	U	2500	ug/L							
Ethane	1.50	U	2.00	ug/L							
Ethene	1.60	U	2.00	ug/L							
Methane	0.490	U	1.00	ug/L							

LCS (1A21003-BS1) Prepared: 01/21/2011 09:20 Analyzed: 01/21/2011 11:04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Carbon dioxide	23700		2500	ug/L	26200		90	71-119			
Ethane	190		2.00	ug/L	180		106	75-123			
Ethene	170		2.00	ug/L	167		102	72-131			
Methane	101		1.00	ug/L	96.9		105	74-116			

Matrix Spike (1A21003-MS1) Prepared: 01/21/2011 09:20 Analyzed: 01/21/2011 11:25

Source: B100380-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Carbon dioxide	121000		2500	ug/L	26200	72400	187	71-119			QM-02
Ethane	168		2.00	ug/L	180	1.50 U	93	75-123			
Ethene	156		2.00	ug/L	167	1.60 U	94	72-131			
Methane	862		1.00	ug/L	96.9	362	516	74-116			QM-02

QUALITY CONTROL

Dissolved Gases by GC - Quality Control

Batch 1A21003 - NO PREP ANALYTIX

Matrix Spike Dup (1A21003-MSD1) Prepared: 01/21/2011 09:20 Analyzed: 01/21/2011 11:28

Source: B100380-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Carbon dioxide	116000		2500	ug/L	26200	72400	167	71-119	4	10	QM-02
Ethane	170		2.00	ug/L	180	1.50 U	94	75-123	1	14	
Ethene	159		2.00	ug/L	167	1.60 U	95	72-131	2	12	
Methane	799		1.00	ug/L	96.9	362	451	74-116	8	18	QM-02

Batch 1A26002 - NO PREP ANALYTIX

Blank (1A26002-BLK1) Prepared: 01/26/2011 08:37 Analyzed: 01/26/2011 11:01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Acetylene	1.00	U	2.00	ug/L							
Carbon dioxide	2000	U	2500	ug/L							
Ethane	1.50	U	2.00	ug/L							
Ethene	1.60	U	2.00	ug/L							
Methane	0.490	U	1.00	ug/L							

LCS (1A26002-BS1) Prepared: 01/26/2011 08:37 Analyzed: 01/26/2011 11:04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Carbon dioxide	28100		2500	ug/L	26200		108	71-119			
Ethane	196		2.00	ug/L	180		109	75-123			
Ethene	193		2.00	ug/L	167		115	72-131			
Methane	102		1.00	ug/L	96.9		105	74-116			

Matrix Spike (1A26002-MS1) Prepared: 01/26/2011 08:37 Analyzed: 01/26/2011 11:23

Source: C100745-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Carbon dioxide	361000	E	2500	ug/L	26200	319000	163	71-119			QM-02
Ethane	193		2.00	ug/L	180	1.50 U	107	75-123			
Ethene	180		2.00	ug/L	167	1.60 U	108	72-131			
Methane	530		1.00	ug/L	96.9	327	209	74-116			QM-02

Matrix Spike Dup (1A26002-MSD1) Prepared: 01/26/2011 08:37 Analyzed: 01/26/2011 11:31

Source: C100745-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Carbon dioxide	340000	E	2500	ug/L	26200	319000	80	71-119	6	10	QM-02
Ethane	195		2.00	ug/L	180	1.50 U	108	75-123	1	14	
Ethene	184		2.00	ug/L	167	1.60 U	110	72-131	2	12	
Methane	488		1.00	ug/L	96.9	327	166	74-116	8	18	QM-02

Volatile Fatty Acids by HPLC - Quality Control

Batch 1A21006 - NO PREP ANALYTIX

Blank (1A21006-BLK1) Prepared: 01/21/2011 09:36 Analyzed: 01/22/2011 21:37

QUALITY CONTROL

Volatile Fatty Acids by HPLC - Quality Control

Batch 1A21006 - NO PREP ANALYTIX

Blank (1A21006-BLK1) Continued Prepared: 01/21/2011 09:36 Analyzed: 01/22/2011 21:37

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Acetic Acid	83	U	500	ug/L							
Butyric Acid	160	U	500	ug/L							
Hexanoic Acid	230	U	1000	ug/L							
HIBA (2-Hydroxyisobutyric Acid)	160	U	500	ug/L							
iso-Hexanoic Acid	210	U	1000	ug/L							
iso-Pentanoic Acid	260	U	500	ug/L							
Lactic Acid	440	U	500	ug/L							
Pentanoic Acid	270	U	500	ug/L							
Propionic Acid	180	U	500	ug/L							
Pyruvic Acid	140	U	500	ug/L							
Surrogate: Trimethylacetic acid	*62000*			*ug/L*	*49800*		*124*	*80-124*			

LCS (1A21006-BS1) Prepared: 01/21/2011 09:36 Analyzed: 01/22/2011 22:23

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Acetic Acid	22000		500	ug/L	20000		109	73-125			
Butyric Acid	20000		500	ug/L	19800		101	80-120			
Hexanoic Acid	19000		1000	ug/L	20000		98	78-120			
HIBA (2-Hydroxyisobutyric Acid)	22000		500	ug/L	19900		112	80-120			
iso-Hexanoic Acid	22000		1000	ug/L	19800		112	80-120			
iso-Pentanoic Acid	23000		500	ug/L	19800		118	78-120			
Lactic Acid	16000		500	ug/L	20100		82	56-154			
Pentanoic Acid	23000		500	ug/L	19900		115	77-120			
Propionic Acid	22000		500	ug/L	19800		111	80-120			
Pyruvic Acid	23000		500	ug/L	19700		117	37-142			
Surrogate: Trimethylacetic acid	*60000*			*ug/L*	*49800*		*121*	*80-124*			

Matrix Spike (1A21006-MS1) Prepared: 01/21/2011 09:36 Analyzed: 01/22/2011 23:10

Source: C100236-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Acetic Acid	21000		500	ug/L	20000	83 U	106	73-125			
Butyric Acid	20000		500	ug/L	19800	160 U	101	80-120			
Hexanoic Acid	23000		1000	ug/L	20000	230 U	115	78-120			
HIBA (2-Hydroxyisobutyric Acid)	21000		500	ug/L	19900	160 U	107	80-120			
iso-Hexanoic Acid	23000		1000	ug/L	19800	210 U	118	80-120			
iso-Pentanoic Acid	22000		500	ug/L	19800	260 U	112	78-120			
Lactic Acid	18000		500	ug/L	20100	440 U	88	56-154			
Pentanoic Acid	22000		500	ug/L	19900	270 U	112	77-120			
Propionic Acid	22000		500	ug/L	19800	180 U	111	80-120			
Pyruvic Acid	23000		500	ug/L	19700	140 U	117	37-142			
Surrogate: Trimethylacetic acid	*60000*			*ug/L*	*49800*		*121*	*80-124*			

Matrix Spike Dup (1A21006-MSD1) Prepared: 01/21/2011 09:36 Analyzed: 01/22/2011 23:56

Source: C100236-01

QUALITY CONTROL

Volatile Fatty Acids by HPLC - Quality Control

Batch 1A21006 - NO PREP ANALYTIX

Matrix Spike Dup (1A21006-MSD1) Continued Prepared: 01/21/2011 09:36 Analyzed: 01/22/2011 23:56

Source: C100236-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Acetic Acid	21000		500	ug/L	20000	83 U	105	73-125	0.5	10	
Butyric Acid	20000		500	ug/L	19800	160 U	102	80-120	0.09	10	
Hexanoic Acid	22000		1000	ug/L	20000	230 U	111	78-120	4	34	
HIBA (2-Hydroxyisobutyric Acid)	22000		500	ug/L	19900	160 U	112	80-120	4	15	
iso-Hexanoic Acid	23000		1000	ug/L	19800	210 U	115	80-120	2	15	
iso-Pentanoic Acid	22000		500	ug/L	19800	260 U	113	78-120	1	15	
Lactic Acid	16000		500	ug/L	20100	440 U	81	56-154	8	19	
Pentanoic Acid	22000		500	ug/L	19900	270 U	112	77-120	0.3	10	
Propionic Acid	22000		500	ug/L	19800	180 U	111	80-120	0.07	10	
Pyruvic Acid	24000		500	ug/L	19700	140 U	120	37-142	2	10	
Surrogate: Trimethylacetic acid	*59000*			*ug/L*	*49800*		*119*	*80-124*			

Batch 1A24003 - NO PREP ANALYTIX

Blank (1A24003-BLK1) Prepared: 01/24/2011 09:19 Analyzed: 01/24/2011 11:07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Acetic Acid	83	U	500	ug/L							
Butyric Acid	160	U	500	ug/L							
Hexanoic Acid	230	U	1000	ug/L							
HIBA (2-Hydroxyisobutyric Acid)	160	U	500	ug/L							
iso-Hexanoic Acid	210	U	1000	ug/L							
iso-Pentanoic Acid	260	U	500	ug/L							
Lactic Acid	440	U	500	ug/L							
Pentanoic Acid	270	U	500	ug/L							
Propionic Acid	180	U	500	ug/L							
Pyruvic Acid	140	U	500	ug/L							
Surrogate: Trimethylacetic acid	*61000*			*ug/L*	*49800*		*122*	*80-124*			

LCS (1A24003-BS1) Prepared: 01/24/2011 09:19 Analyzed: 01/24/2011 11:53

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Acetic Acid	23000		500	ug/L	20000		114	73-125			
Butyric Acid	19000		500	ug/L	19800		96	80-120			
Hexanoic Acid	22000		1000	ug/L	20000		110	78-120			
HIBA (2-Hydroxyisobutyric Acid)	21000		500	ug/L	19900		103	80-120			
iso-Hexanoic Acid	23000		1000	ug/L	19800		117	80-120			
iso-Pentanoic Acid	22000		500	ug/L	19800		109	78-120			
Lactic Acid	19000		500	ug/L	20100		94	56-154			
Pentanoic Acid	23000		500	ug/L	19900		116	77-120			
Propionic Acid	22000		500	ug/L	19800		109	80-120			
Pyruvic Acid	18000		500	ug/L	19700		91	37-142			
Surrogate: Trimethylacetic acid	*59000*			*ug/L*	*49800*		*118*	*80-124*			

Matrix Spike (1A24003-MS1) Prepared: 01/24/2011 09:19 Analyzed: 01/24/2011 12:40

Source: C100745-01

QUALITY CONTROL

Volatile Fatty Acids by HPLC - Quality Control

Batch 1A24003 - NO PREP ANALYTIX

Matrix Spike (1A24003-MS1) Continued Prepared: 01/24/2011 09:19 Analyzed: 01/24/2011 12:40

Source: C100745-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Acetic Acid	22000		500	ug/L	20000	83 U	111	73-125			
Butyric Acid	23000		500	ug/L	19800	160 U	114	80-120			
Hexanoic Acid	21000		1000	ug/L	20000	230 U	107	78-120			
HIBA (2-Hydroxyisobutyric Acid)	16000		500	ug/L	19900	160 U	81	80-120			
iso-Hexanoic Acid	23000		1000	ug/L	19800	210 U	114	80-120			
iso-Pentanoic Acid	22000		500	ug/L	19800	260 U	112	78-120			
Lactic Acid	19000		500	ug/L	20100	440 U	93	56-154			
Pentanoic Acid	21000		500	ug/L	19900	270 U	106	77-120			
Propionic Acid	22000		500	ug/L	19800	180 U	109	80-120			
Pyruvic Acid	17000		500	ug/L	19700	140 U	84	37-142			
Surrogate: Trimethylacetic acid	*51000*			*ug/L*	*49800*		*102*	*80-124*			

Matrix Spike Dup (1A24003-MSD1) Prepared: 01/24/2011 09:19 Analyzed: 01/24/2011 13:26

Source: C100745-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Acetic Acid	22000		500	ug/L	20000	83 U	111	73-125	0.6	10	
Butyric Acid	23000		500	ug/L	19800	160 U	114	80-120	0.1	10	
Hexanoic Acid	22000		1000	ug/L	20000	230 U	112	78-120	5	34	
HIBA (2-Hydroxyisobutyric Acid)	19000		500	ug/L	19900	160 U	94	80-120	14	15	
iso-Hexanoic Acid	23000		1000	ug/L	19800	210 U	114	80-120	0.1	15	
iso-Pentanoic Acid	23000		500	ug/L	19800	260 U	115	78-120	2	15	
Lactic Acid	16000		500	ug/L	20100	440 U	81	56-154	13	19	
Pentanoic Acid	21000		500	ug/L	19900	270 U	107	77-120	1	10	
Propionic Acid	22000		500	ug/L	19800	180 U	110	80-120	0.7	10	
Pyruvic Acid	16000		500	ug/L	19700	140 U	81	37-142	3	10	
Surrogate: Trimethylacetic acid	*51000*			*ug/L*	*49800*		*103*	*80-124*			

Classical Chemistry Parameters - Quality Control

Batch 1A24013 - NO PREP

Blank (1A24013-BLK1) Prepared: 01/24/2011 12:04 Analyzed: 01/24/2011 16:24

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Organic Carbon	280	U	1000	ug/L							

LCS (1A24013-BS1) Prepared: 01/24/2011 12:04 Analyzed: 01/24/2011 16:50

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Organic Carbon	38000		1000	ug/L	40000		94	80-120			

LCS Dup (1A24013-BSD1) Prepared: 01/24/2011 12:04 Analyzed: 01/24/2011 17:16

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Organic Carbon	38000		1000	ug/L	40000		96	80-120	1	25	

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 1A24013 - NO PREP

FLAGS/NOTES AND DEFINITIONS

B	The analyte was detected in the associated method blank.
D	The sample was analyzed at dilution.
J	The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.
U	The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
MRL	Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.
B-09	Dissolved oxygen depletion data is consistent with samples exhibiting seed toxicity
QM-02	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-08	Post-digestion spike did not meet method requirements due to confirmed matrix effects (dilution test).
QM-11	Precision between duplicate matrix spikes of the same sample was outside acceptance limits.

SIGNAL GRAPHICS PRINTING (407) 644-3250

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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

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

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

www.encolabs.com

Client Name: S&ME, Inc. (SM001)	Project Number: 1054-07-238B
Address: 3201 Spring Forest Road	Project Name/Desc: Edgecombe County Landfill - Jan
City/ST/Zip: Raleigh, NC 27616	PO # / Billing Info:
Tel: (919) 872-2660 Fax: (919) 876-3958	Reporting Contact: Michelle Logut
Sampler(s) Name, Affiliation (Print): MICHELLE LOGUT, S&ME INC.	Billing Contact: Accounts Payable
Sampler(s) Signature: Michelle J. Logut	Site Location / Time Zone:

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

Lab Workorder: C100236

Requested Analyses / Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8260B Appendix 1	Ag,AgF,As,AsF,Ba,BaF,Be,BeF,Cd,CdF,Co,CoF,Cr,CrF,Cu,CuF,Fe,FeF,Mn,MnF,Ni,NiF,Pb,PbF,Sb,SbF,Se,SeF,Tl,TlF,V,VF,Zn,ZnF	Ag,AgF,As,AsF,Ba,BaF,Be,BeF,Cd,CdF,Co,CoF,Cr,CrF,Cu,CuF,Ni,NiF,Pb,PbF,Sb,SbF,Se,SeF,Tl,TlF,V,VF,Zn,ZnF	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn	Alkalinity 310.2,Chloride SM4500-Cl E,Nitrite as N 353.2,TDS SM2540C	BOD SM5210B	COD SM5220D	Fatty Acids	Hg	Nitrate Calc 353.2	Sample Comments
	3301-MW3B	1/18/11	11:25	GRAB	GW	16	X	X			X	X	X	X	X	X	HOLD DISSOLVED
	3301-MW-4	↓	10:25	↓	GW	16	X	X			X	X	X	X	X	X	METALS
	~~3301-MW5~~				~~GW~~	~~16~~	~~X~~	~~X~~			~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	
	3301-MW6	1/18/11	17:40	GRAB	GW	16	X	X			X	X	X	X	X	X	
	~~3301-MW7A~~				~~GW~~	~~16~~	~~X~~	~~X~~			~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	
	3301-MW9	1/18/11	12:45	GRAB	GW	16	X	X			X	X	X	X	X	X	
	~~3301-MW12~~				~~GW~~	~~16~~	~~X~~	~~X~~			~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	
	~~3301-MW13~~				~~GW~~	~~16~~	~~X~~	~~X~~			~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	
	3301-MW14	1/18/11	16:45	GRAB	GW	16	X	X			X	X	X	X	X	X	
	~~3301-MW15~~				~~GW~~	~~16~~	~~X~~	~~X~~			~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	
	3301-MW16	1/18/11	15:35	GRAB	GW	16	X	X			X	X	X	X	X	X	↓
	~~3301-SW1~~				~~GW~~	~~5~~	~~X~~		~~X~~								

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By: Michelle J. Logut	Date/Time: 1/18/11 18:00	Received By: Diana Gregory	Date/Time: 1/19/11 10:30
Comments/Special Reporting Requirements		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time

Cooler #'s & Temps on Receipt: C-253 1.2°C C-395 C-814 C-775

Condition Upon Receipt: X Acceptable ___ Unacceptable

Matrix: GW-Groundwater SO-Soil DW-Drinking Water SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments) Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

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

ENVIRONMENTAL CONSERVATION LABORATORIES
10775 Central Port Dr. Orlando, FL 32824 (407) 826-5314 Fax (407) 850-6945
4810 Executive Park Court, Suite 211, Jacksonville, FL 32216-6069 (904) 296-3007 Fax (904) 296-6210
102-A Woodwinds Industrial Ct. Cary, NC 27511 (919) 467-3090 Fax (919) 467-3515
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CHAIN-OF-CUSTODY RECORD

Client Name: S&ME, Inc. (SM001)	Project Number: 1054-07-238B
Address: 3201 Spring Forest Road	Project Name/Desc: Edgecombe County Landfill - Jan
City/ST/Zip: Raleigh, NC 27616	PO # / Billing Info:
Tel: (919) 872-2660 Fax: (919) 876-3958	Reporting Contact: Michelle Logut
Sampler(s) Name, Affiliation (Print): MICHELLE LOGUT, S&ME INC.	Billing Contact: Accounts Payable
Sampler(s) Signature: Michelle J. Logut	Site Location / Time Zone:

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

Lab Workorder: C100236

Requested Analyses / Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	NOX 353.2	RSK 175 + CO2	Sulfate 300	Sulfide SM4500-S D	TOC SM5310B	Sample Comments
	3301-MW3B	1/18/11	11:25	GRAB	GW	16	X	X	X	X	X	HOLD DISSOLVED METALS
	3301-MW-4	↓	10:35	↓	GW	16	X	X	X	X	X	
	~~3301-MW5~~				~~GW~~	~~16~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	
	3301-MW6	1/18/11	17:40	GRAB	GW	16	X	X	X	X	X	
	~~3301-MW7A~~				~~GW~~	~~16~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	
	3301-MW9	1/18/11	12:45	GRAB	GW	16	X	X	X	X	X	
	~~3301-MW12~~				~~GW~~	~~16~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	
	~~3301-MW13~~				~~GW~~	~~16~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	
	3301-MW14	1/18/11	16:45	GRAB	GW	16	X	X	X	X	X	
	~~3301-MW15~~				~~GW~~	~~16~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	
	3301-MW16	1/18/11	15:35	GRAB	GW	16	X	X	X	X	X	
	~~3301-SW1~~				~~GW~~	~~5~~						

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By: Michelle J. Logut	Date/Time: 1/18/11 18:30	Received By: Briana Gregory	Date/Time: 1/19/11 10:30
Comments/Special Reporting Requirements		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time
		Cooler #'s & Temps on Receipt: C-253 1.2°C		Condition Upon Receipt: X Acceptable ___ Unacceptable	

Matrix: GW-Groundwater SO-Soil DW-Drinking Water SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments) Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

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

SIGNAL GRAPHICS PRINTING (407) 644-9253

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

www.encolabs.com

Client Name: S&ME, Inc. (SM001)	Project Number: 1054-07-238B
Address: 3201 Spring Forest Road	Project Name/Desc: Edgecombe County Landfill - Jan
City/ST/Zip: Raleigh, NC 27616	PO # / Billing Info:
Tel: (919) 872-2660 Fax: (919) 876-3958	Reporting Contact: Michelle Logut
Sampler(s) Name, Affiliation (Print): MICHELLE LOGUT, SAME	Billing Contact: Accounts Payable
Sampler(s) Signature: Michelle J. Logut	Site Location / Time Zone:

Requested Analyses

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

Lab Workorder: C100236

Preservation (See Codes) (Comorne as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8260B Appendix 1	Ag,AgF,As,AsF,Ba,BaF,Be,BeF,Cd,CdF,Co,CoF,Cr,CrF,Cu,CuF,Fe,FeF,Mn,MnF,Ni,NiF,Pb,PbF,Sb,SbF,Se,SeF,Tl,TlF,V,VF,Zn,ZnF	Ag,AgF,As,AsF,Ba,BaF,Be,BeF,Cd,CdF,Co,CoF,Cr,CrF,Cu,CuF,Fe,FeF,Mn,MnF,Ni,NiF,Pb,PbF,Sb,SbF,Se,SeF,Tl,TlF,V,VF,Zn,ZnF	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn	Alkalinity 310.2,Chloride SM4500-Cl E,Nitrite as N 353.2,TDS SM2540C	BOD SM5210B	COD SM5220D	Fatty Acids	Hg	Nitrate Calc 353.2	Sample Comments
	3301-SW2	1/18/11	15:20	GRAB	GW	5	X		X							HOLD DISSOLVED
	~~3301-Duplicate~~				~~GW~~	~~5~~	~~X~~		~~X~~							METALS
	~~3301-Equipment Blank~~				~~WA~~	~~4~~	~~X~~			~~X~~						
	3301-Trip Blank	–	–	–	WA	2	X									

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By: Michelle J. Logut	Date/Time: 1/18/11 15:20	Received By: Briana Gregory	Date/Time: 1/19/11 10:30
Comments/Special Reporting Requirements		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time
		Cooler #'s & Temps on Receipt: C-253 1.2°C		Condition Upon Receipt: X Acceptable ___ Unacceptable	

Matrix : GW-Groundwater SO-Soil DW-Drinking Water SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments) Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

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Page 1 of 3

Client Name: S&ME, Inc. (SM001)	Project Number: 1054-07-238B
Address: 3201 Spring Forest Road	Project Name/Desc: Edgecombe County Landfill - Jan
City/ST/Zip: Raleigh, NC 27616	PO # / Billing Info:
Tel: (919) 872-2660 / Fax: (919) 876-3958	Reporting Contact: Michelle Logut
Sampler(s) Name, Affiliation (Print): MICHELLE LOGUT, S&ME, INC.	Billing Contact: Accounts Payable
Sampler(s) Signature: Michelle J. Logut	Site Location / Time Zone:

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

X Standard

___ Expedited

Due ___/___/___

Lab Workorder: ~~C100236~~

Requested Analyses

Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8260B Appendix 1	Ag,Ag/F,As,As/F,Ba,Ba/F,Be,Be/F,Cd,Cd/F,Co,Co/F,Cr,Cr/F,Cu,Cu/F,Fe,Mn,Ni,Ni/F,Pb,Pb/F,Sb,Sb/F,Se,Se/F,Tl,Tl/F,V,V/F,Zn,Zn/F	Ag,Ag/F,As,As/F,Ba,Ba/F,Be,Be/F,Cd,Cd/F,Co,Co/F,Cr,Cr/F,Cu,Cu/F,Ni,Ni/F,Pb,Pb/F,Sb,Sb/F,Se,Se/F,Tl,Tl/F,V,V/F,Zn,Zn/F	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn	Alkalinity 310.2,Chloride SM4500-Cl E,Nitrite as N 353.2,TDS SM2540C	BOD SM5210B	COD SM5220D	Fatty Acids	Hg	Nitrate Calc 353.2	Sample Comments
	~~3301-MW3B~~				GW	16	X	X			X	X	X	X	X	X	C100745
	~~3301-MW-4~~				GW	16	X	X			X	X	X	X	X	X	
	3301-MW5	1/19/11	15:35	GRAB	GW	16	X	X			X	X	X	X	X	X	HOLD DISSOLVED
	~~3301-MW6~~				GW	16	X	X			X	X	X	X	X	X	METALS
	3301-MW7A	1/19/11	11:35	GRAB	GW	16	X	X			X	X	X	X	X	X	
	~~3301-MW9~~				GW	16	X	X			X	X	X	X	X	X	
	3301-MW12	1/19/11	12:35	GRAB	GW	16	X	X			X	X	X	X	X	X	
	3301-MW13	↓	14:45	↓	GW	16	X	X			X	X	X	X	X	X	
	~~3301-MW14~~				GW	16	X	X			X	X	X	X	X	X	
	3301-MW15	1/19/11	10:15	GRAB	GW	16	X	X			X	X	X	X	X	X	
	~~3301-MW16~~				GW	16	X	X			X	X	X	X	X	X	
	3301-SW1	1/19/11	11:15	GRAB	GW	5	X		X								

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
		Michelle J. Logut	1/19/11 1900	[signature]	1/20/11 1045
Comments/Special Reporting Requirements		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time
				[signature]	1/20/11 105

Cooler #'s & Temps on Receipt: C-253 C-395 2.4°C C-814 C-775 1.5°C

Condition Upon Receipt: X Acceptable ___ Unacceptable

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

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

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Client Name: S&ME, Inc. (SM001)	Project Number: 1054-07-238B
Address: 3201 Spring Forest Road	Project Name/Desc: Edgecombe County Landfill - Jan
City/ST/Zip: Raleigh, NC 27616	PO # / Billing Info:
Tel: (919) 872-2660 Fax: (919) 876-3958	Reporting Contact: Michelle Logut
Sampler(s) Name, Affiliation (Print): MICHELLE LOGUT, S&ME, INC.	Billing Contact: Accounts Payable
Sampler(s) Signature: Michelle J. Logut	Site Location / Time Zone:

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

X Standard

___ Expedited

Due ___/___/___

Lab Workorder: ~~C100236~~

Requested Analyses / Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	NOX 353.2	RSK 175 + CO2	Sulfate 300	Sulfide SM4500-S D	TOC SM5310B						Sample Comments
	~~3301-MW3B~~				~~GW~~	~~16~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~						C100745
	~~3301-MW-4~~				~~GW~~	~~16~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~						
	3301-MW5	1/19/11	15:35	GRAB	GW	16	X	X	X	X	X						
	~~3301-MW6~~				~~GW~~	~~16~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~						
	3301-MW7A	1/19/11	11:35	GRAB	GW	16	X	X	X	X	X						
	~~3301-MW9~~				~~GW~~	~~16~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~						
	3301-MW12	1/19/11	12:35	GRAB	GW	16	X	X	X	X	X						
	3301-MW13	↓	14:45	↓	GW	16	X	X	X	X	X						
	~~3301-MW14~~				~~GW~~	~~16~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~						
	3301-MW15	1/19/11	10:15	GRAB	GW	16	X	X	X	X	X						
	~~3301-MW16~~				~~GW~~	~~16~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~						
	3301-SW1	1/19/11	11:15	GRAB	GW	5											

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
		Michelle J. Logut	1/19/11 19:00	[signature]	1/20/11 1045
Comments/Special Reporting Requirements		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time
				[signature]	1/20/11 105

Cooler #'s & Temps on Receipt: C-395 2.4°C C-775 1.5°C

Condition Upon Receipt: X Acceptable ___ Unacceptable

Matrix : GW-Groundwater SO-Soil DW-Drinking Water SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments) Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

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City/ST/Zip: Raleigh, NC 27616	PO # / Billing Info
Tel: (919) 872-2660 / Fax: (919) 876-3958	Reporting Contact: Michelle Logut
Sampler(s) Name, Affiliation (Print)	Billing Contact: Accounts Payable
Sampler(s) Signature	Site Location / Time Zone

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

___ Standard

___ Expedited

Due ___/___/___

Lab Workorder: ~~C100236~~

Requested Analyses

Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8260B Appendix 1	Ag,Ag/F,As,As/F,Ba,Ba/F,Be,Be/F,Cd,Cd/F,Co,Co/F,Cr,Cr/F,Cu,Cu/F,Fe,Mn,Ni,Ni/F,Pb,Pb/F,Sb,Sb/F,Se,Se/F,Tl,Tl/F,V,V/F,Zn,Zn/F	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn	Alkalinity 310.2,Chloride SM4500-Cl E,Nitrite as N 353.2,TDS SM2540C	BOD SM5210B	COD SM5220D	Fatty Acids	Hg	Nitrate Calc 353.2	Sample Comments
	~~3301-SW2~~				GW	5	X		X								C100745
	3301-Duplicate	1/19/11	–	GRAB	GW	5	X		X								
	3301-Equipment Blank	↓	14:15	↓	WA	4	X			X							
	3301-Trip Blank	–	–	–	WA	2	X										Trip blanks not received BSG 1/20/11

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By: Michelle J. Logut	Date/Time: 1/19/11 19:00	Received By: [signature]	Date/Time: 1/20/11 1045
Comments/Special Reporting Requirements		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By: [signature]	Date/Time: 1/20/11 105
		Cooler #'s & Temps on Receipt: C-395 2.4°C C-775 1.5°C		Condition Upon Receipt: X Acceptable ___ Unacceptable	

Matrix : GW-Groundwater SO-Soil DW-Drinking Water SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments) **Preservation:** I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

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APPENDIX II

[COMPACT DISK WITH ELECTRONIC COPY OF TABLE 1 (.XLS), ELECTRONIC COPY OF THIS REPORT (.PDF), AND ELECTRONIC COPY OF STATISTICAL ANALYSES (.PDF)]

APPENDIX III

(GROUNDWATER VELOCITY CALCULATIONS)

S&ME

JOB NO.	1054-07-238C
SHEET NO.	1 of 1
DATE	2/15/2011
COMPUTED BY	MLL
CHECKED BY	SPW

JOB NAME Edgecombe County Landfill
SUBJECT Hydraulic Gradient

PURPOSE:

To determine the average true hydraulic gradient.

GIVEN:

Well	GW Elev
MW-3B	72.06
MW-5	43.05
MW-7A	54.34
P-1	66.82

CALCULATION:

Calculate the average of three point solutions using wells MW-5, MW-7A, MW-3B or P-1.

GRADIENT:

$$i = \frac{h_1 - h_2}{L}$$

Where: i = Hydraulic Gradient (ft/ft)
$h_1 - h_2$ = Difference in Hydraulic Head (ft)
L = Distance Along Flow Path (ft)

Where distance between h_1 and h_2 is parallel to flow, determined by projection from 3 point problem.

$$i_1 = \frac{\text{MW-3B} - \text{MW-5}}{L_1} = \frac{72.06 - 43.05}{1{,}485} = \mathbf{0.01954} \quad \mathbf{ft/ft}$$

Use Elevation of Groundwater at MW-7A to establish 54.34' elevation between MW-3B and MW-5.

$$\frac{\text{MW-3B - MW-7A}}{\text{gradient (MW-3B and MW-5)}} = \frac{72.06 - 54.34}{0.01954} = 907.07 \quad \text{ft}$$

Draw line from MW-7A to point located 907.07 feet from MW-3B to MW-5.

Measure new distance between MW-3B and MW-5 perpendicular to line plotted for 54.34' contour. Recalculate Gradient.

$$i_1 = \frac{\text{MW-3B} - \text{MW-5}}{\text{New } L_1} = \frac{72.06 - 43.05}{1{,}480} = \mathbf{0.01960} \quad \mathbf{ft/ft}$$

True Hydraulic Gradient, i_1 = 0.01960 ft/ft

$$i_2 = \frac{\text{P-1} - \text{MW-5}}{L_2} = \frac{66.82 - 43.05}{1{,}210} = \mathbf{0.01964} \quad \mathbf{ft/ft}$$

Use Elevation of Groundwater at MW-7A to establish 54.34' elevation between P-1 and MW-5.

$$\frac{\text{P-1 - MW-7A}}{\text{gradient (P-1 and MW-5)}} = \frac{66.82 - 54.34}{0.019645} = 635.29 \quad \text{ft}$$

Draw line from MW-7A to point located 635.29 feet from P-1 to MW-5.

Measure new distance between P-1 and MW-5 perpendicular to line plotted for 54.34' contour. Recalculate Gradient.

$$i_2 = \frac{\text{P-1} - \text{MW-5}}{\text{New } L_2} = \frac{66.82 - 43.05}{1{,}210} = \mathbf{0.01964} \quad \mathbf{ft/ft}$$

True Hydraulic Gradient, i_2 = 0.01964 ft/ft

AVERAGE TRUE HYDRAULIC GRADIENT, i_{AVG} = 0.0196 ft/ft

CONCLUSION:

The Average True Hydraulic gradient, i_{AVG} equals **0.0196 ft/ft**.

JOB NAME	Edgecombe County Landfill	JOB NO.	1054-07-238C
SUBJECT	Velocity Calculation	SHEET NO.	1 of 1
		DATE	2/15/2011
		COMPUTED BY	MLL
		CHECKED BY	SPW

PURPOSE:

To determine the average groundwater flow velocity.

CALCULATION:

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

Where:

V = Average Linear Groundwater Flow Velocity (feet/year = ft/yr)
K = Hydraulic Conductivity (ft/yr)
i = Average True Hydraulic Gradient (ft/ft)
n = Effective Soil Porosity (percent)

$K_{A\ ZONE}$ =	**5.95E-05**	cm/sec		
Convert $K_{A\ ZONE}$ from cm/sec to ft/min =	**5.95E-05**	*	1.9685	
=	0.00011713	ft/min		
Convert $K_{A\ ZONE}$ from ft/min to ft/yr =	0.00011713	ft/min *	1440	min/day
=	0.16866108	ft/day *	365	day/yr
=	**61.561**	**ft/year**		

Average True Gradient, i_{AVG} (MW-3B to MW-5):	**0.0196**	**ft/ft**
n:	**15%**	

$$V = \frac{K_{A\ ZONE}\, i}{n}$$

$$V = \frac{61.561\ ft/yr * 0.0196\ ft/ft}{0.15} = 8.0440\ ft/yr$$

CONCLUSION:

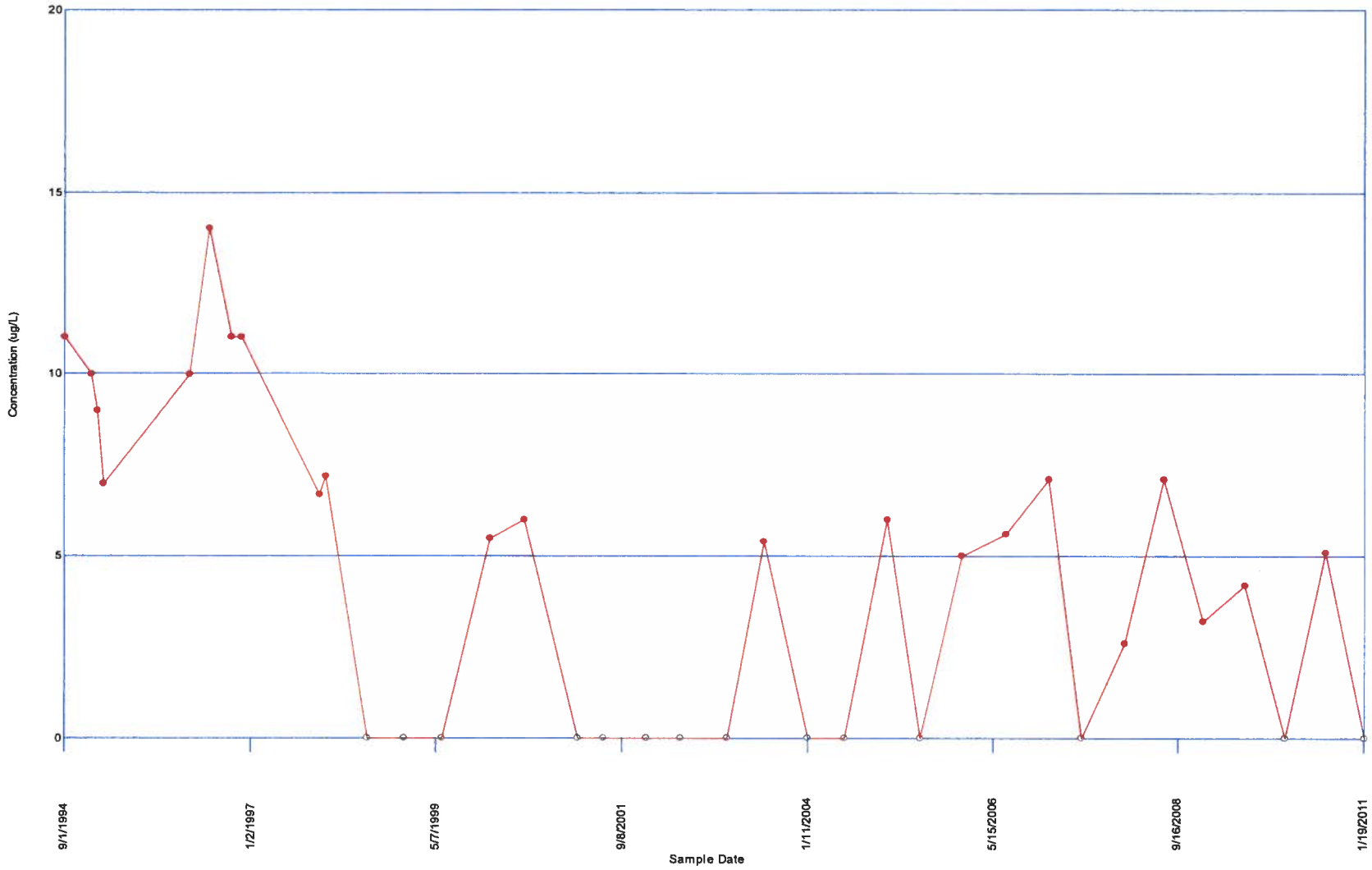
The average groundwater flow velocity, V, equals **8.04 ft/yr**.

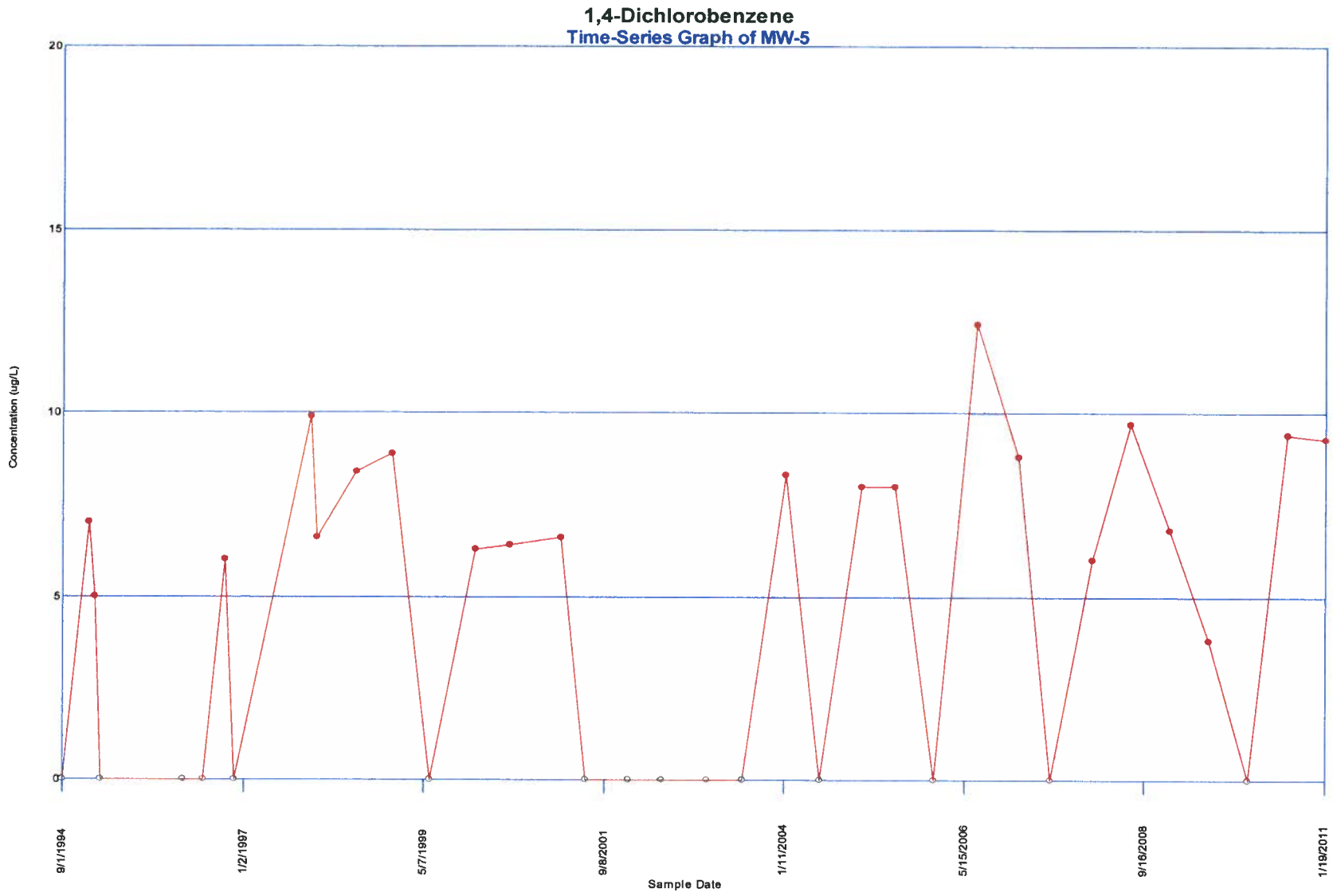
APPENDIX IV

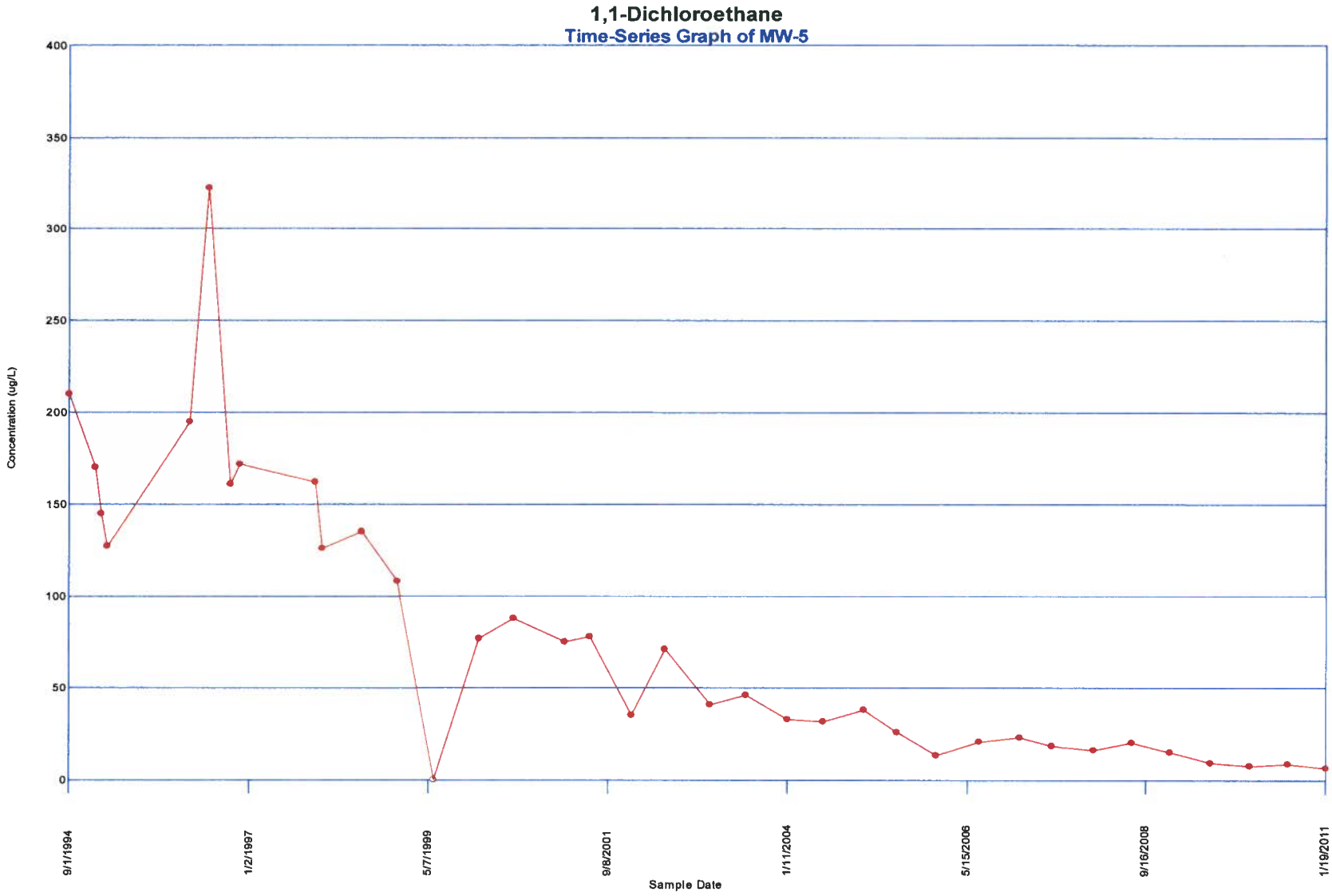
(TIME SERIES GRAPHS FOR MONITOR WELLS)

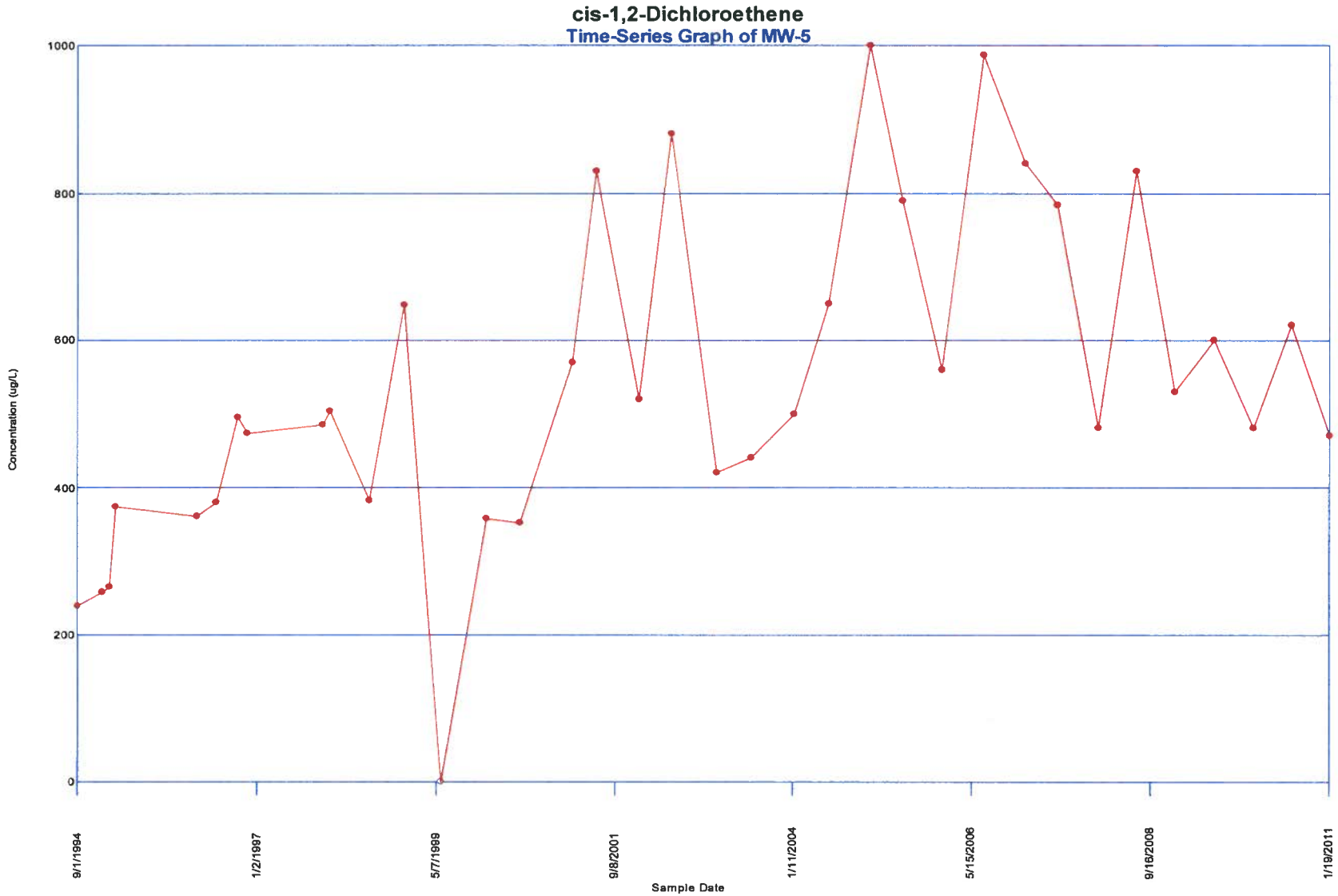
Benzene

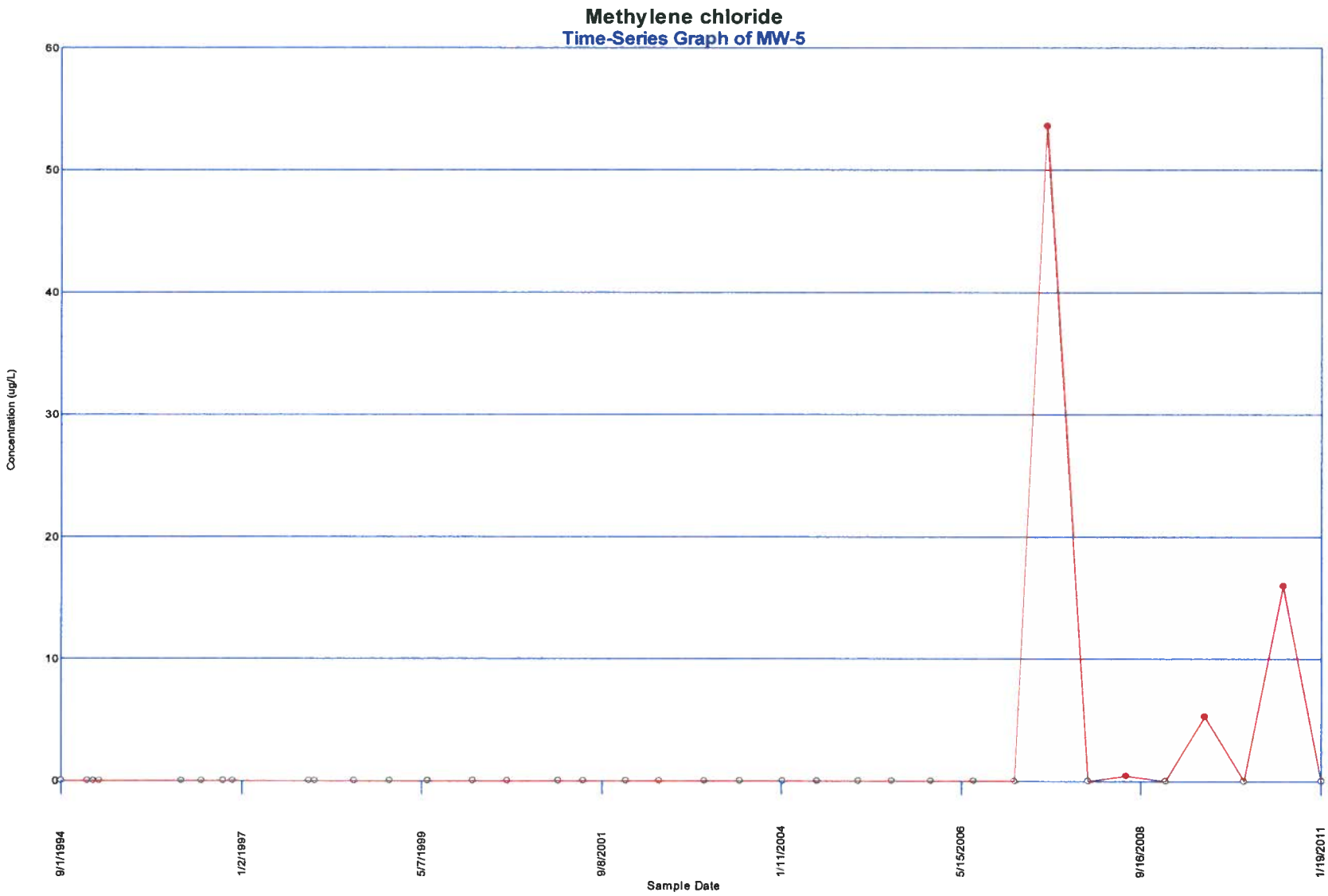
Time-Series Graph of MW-5

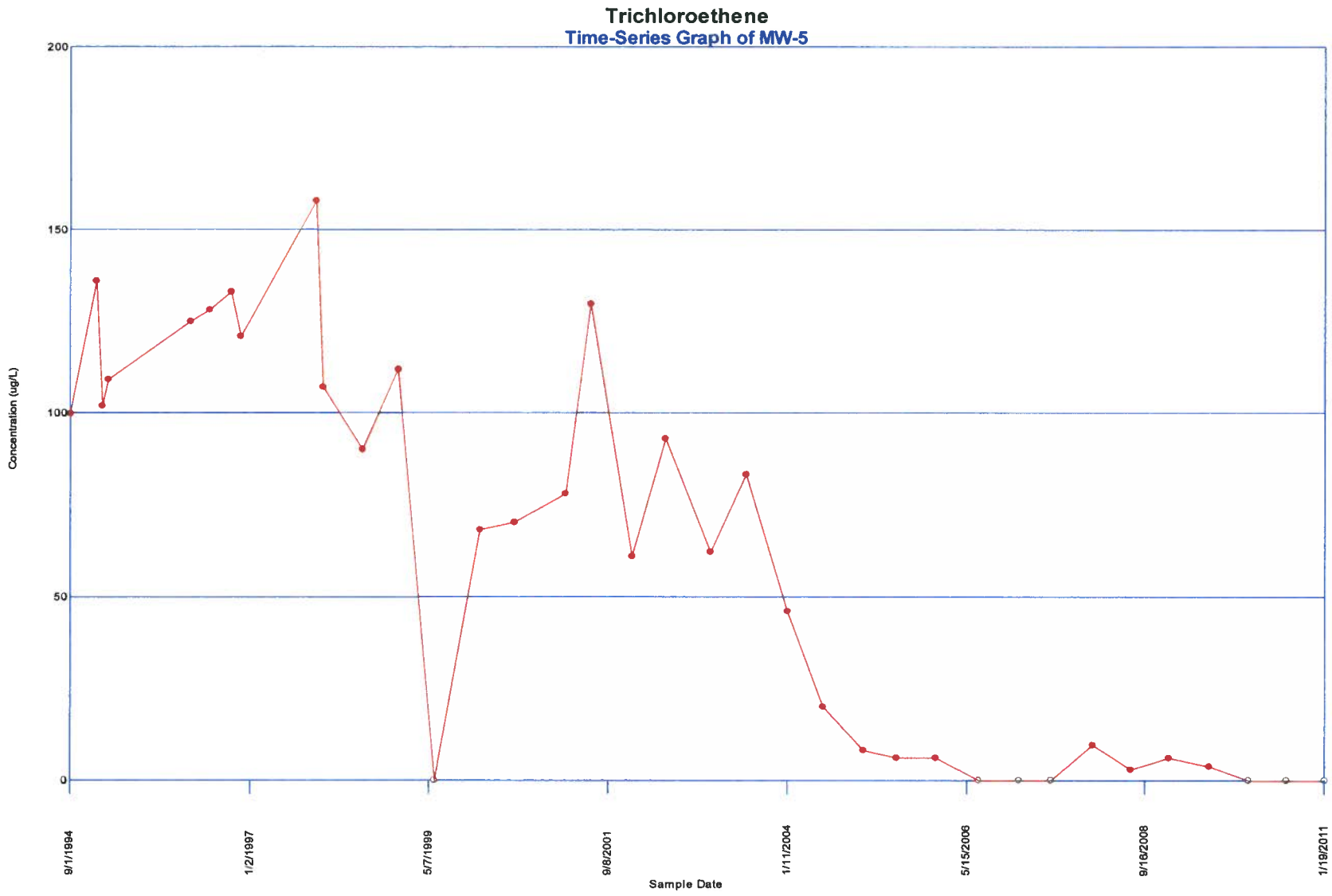


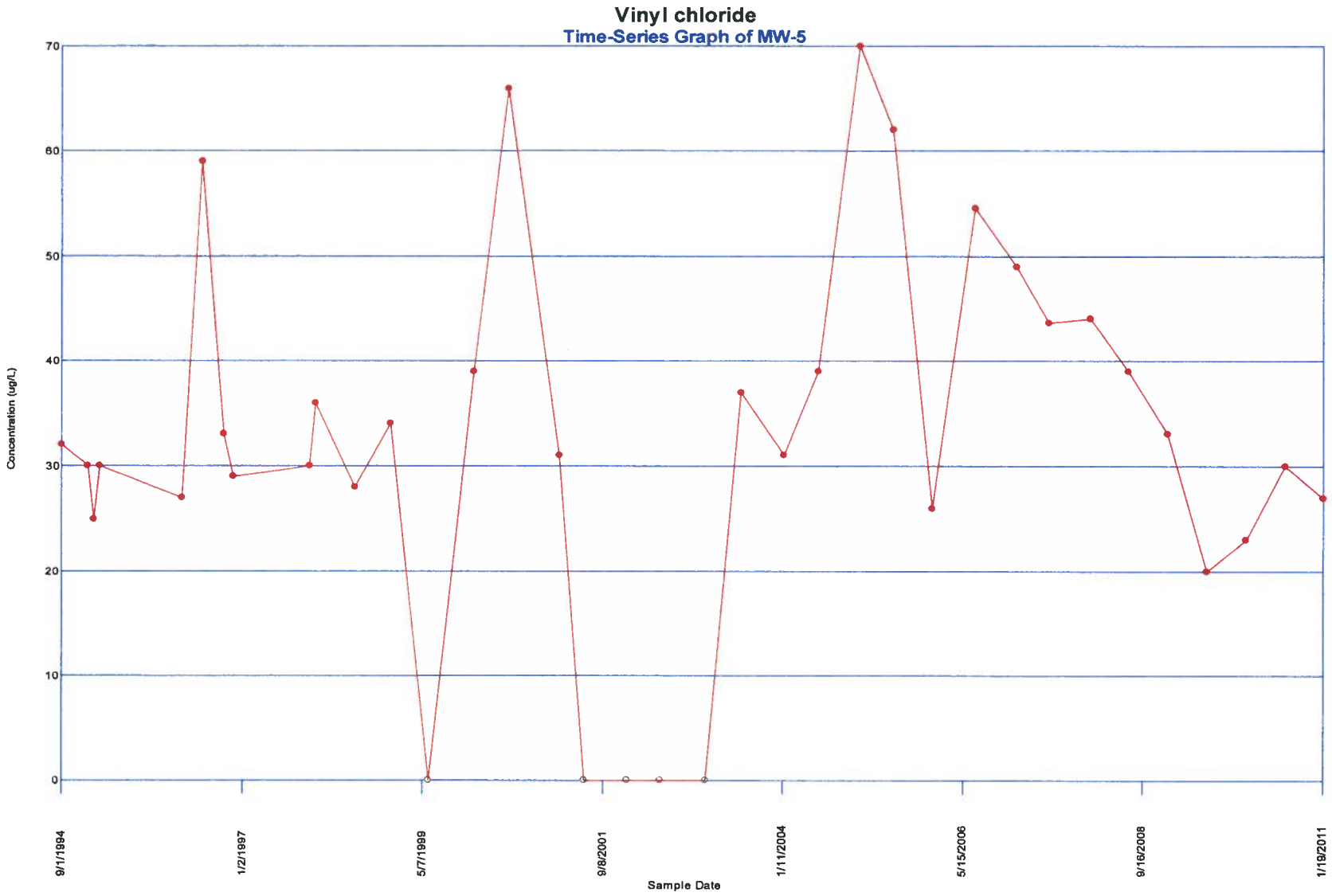

1,4-Dichlorobenzene
Time-Series Graph of MW-5
Concentration (ug/L)
20
15
10
5
0
9/1/1994
1/2/1997
5/7/1999
9/8/2001
1/11/2004
5/15/2006
9/16/2008
1/19/2011
Sample Date

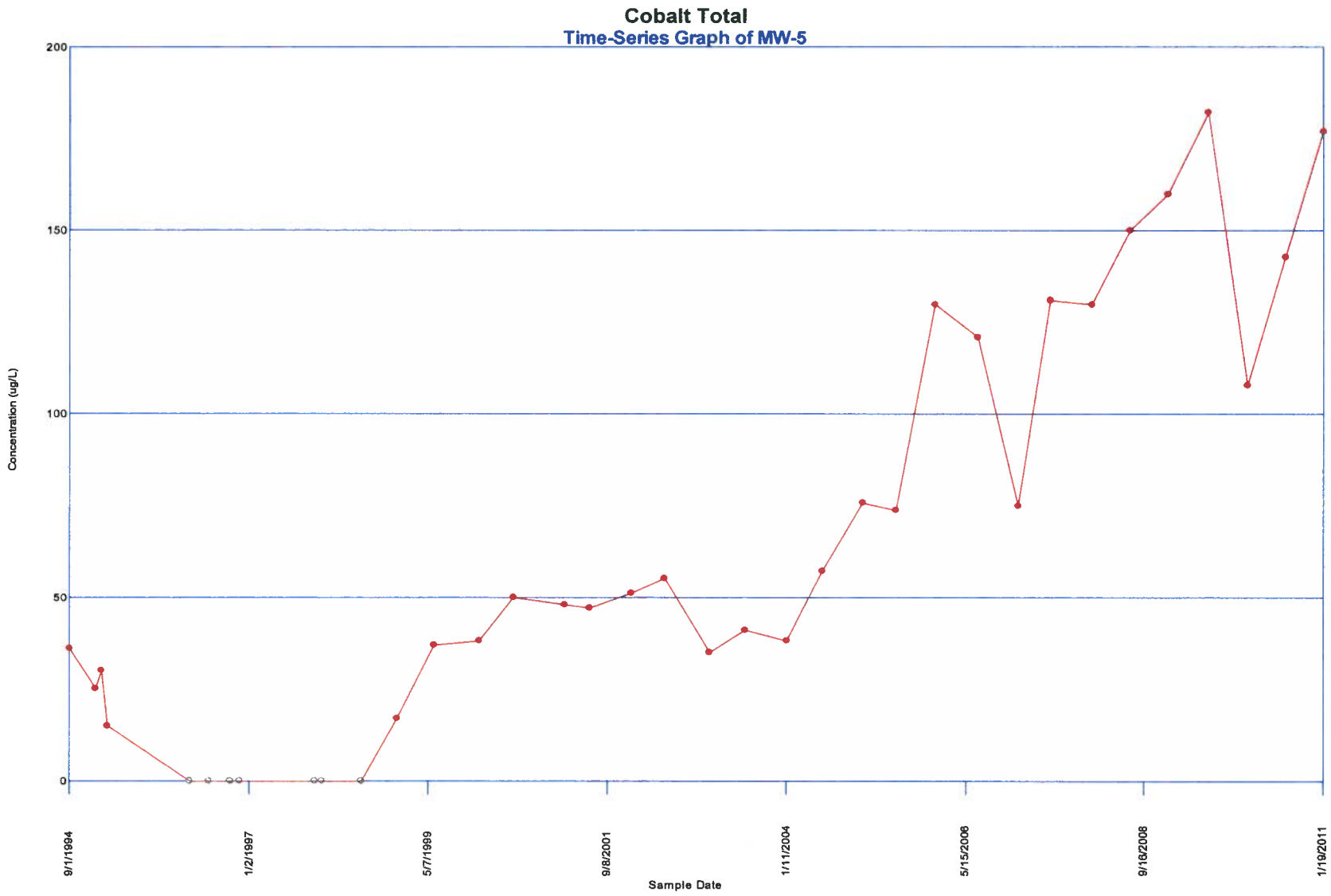

1,1-Dichloroethane
Time-Series Graph of MW-5
Concentration (ug/L)
400
350
300
250
200
150
100
50
0
9/1/1994
1/2/1997
5/7/1999
9/8/2001
1/11/2004
5/15/2006
9/16/2008
1/19/2011
Sample Date

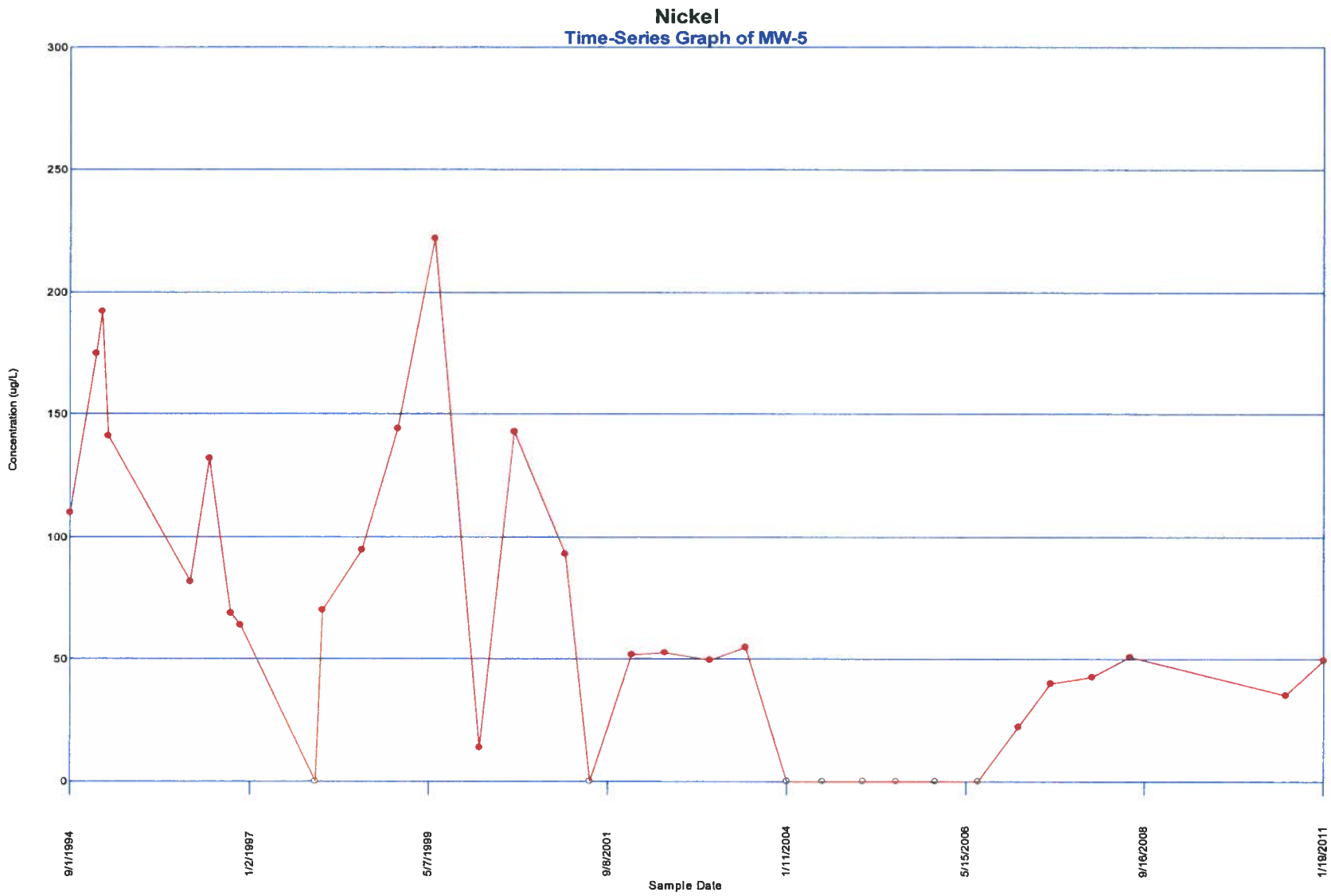

cis-1,2-Dichloroethene
Time-Series Graph of MW-5
Concentration (ug/L)
1000
800
600
400
200
0
9/1/1994
1/2/1997
5/7/1998
9/8/2001
1/11/2004
5/15/2006
9/18/2008
1/19/2011
Sample Date

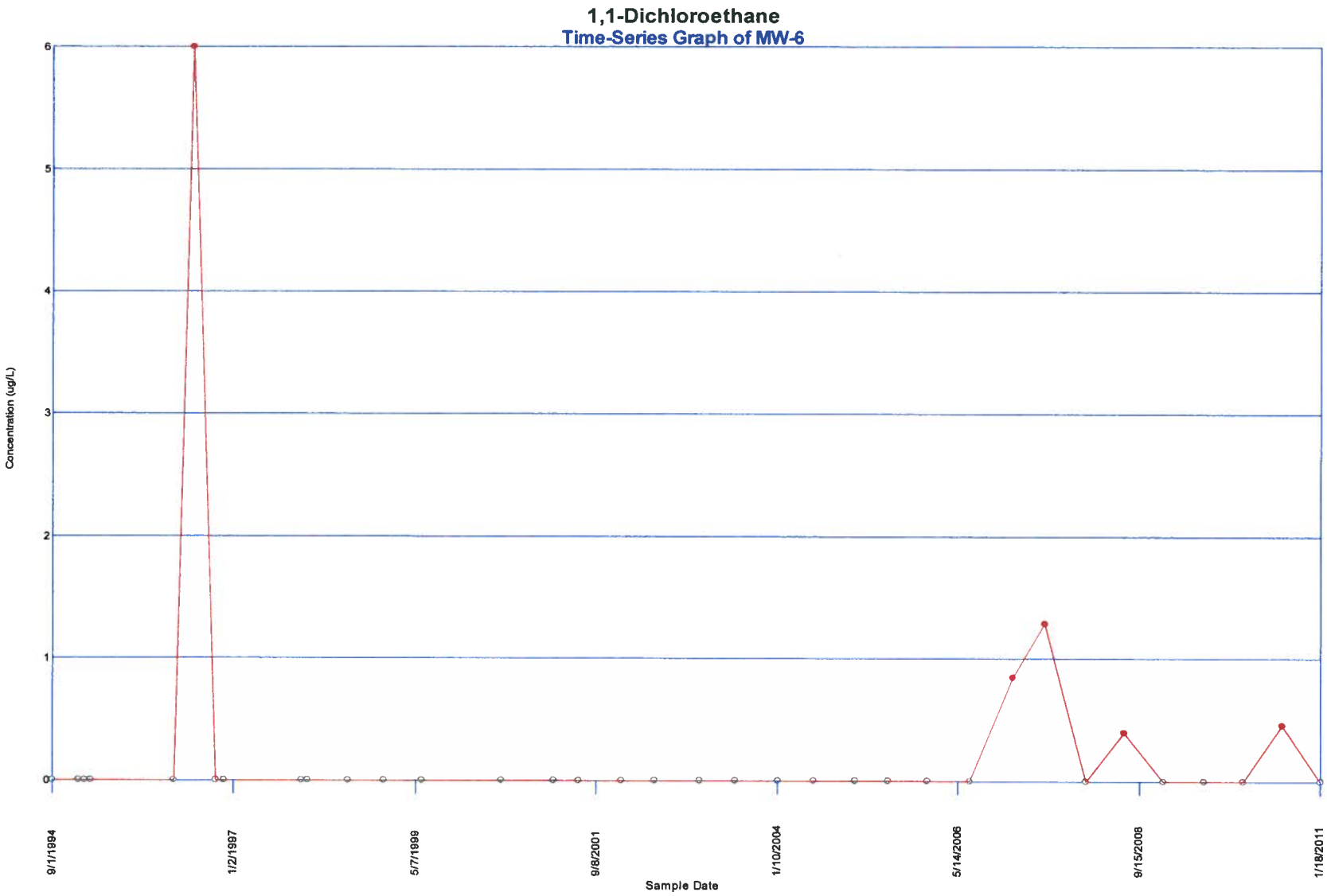

Methylene chloride
Time-Series Graph of MW-5
Concentration (ug/L)
60
50
40
30
20
10
0
9/1/1994
1/2/1997
5/7/1999
9/8/2001
1/11/2004
5/15/2006
9/16/2008
1/19/2011
Sample Date

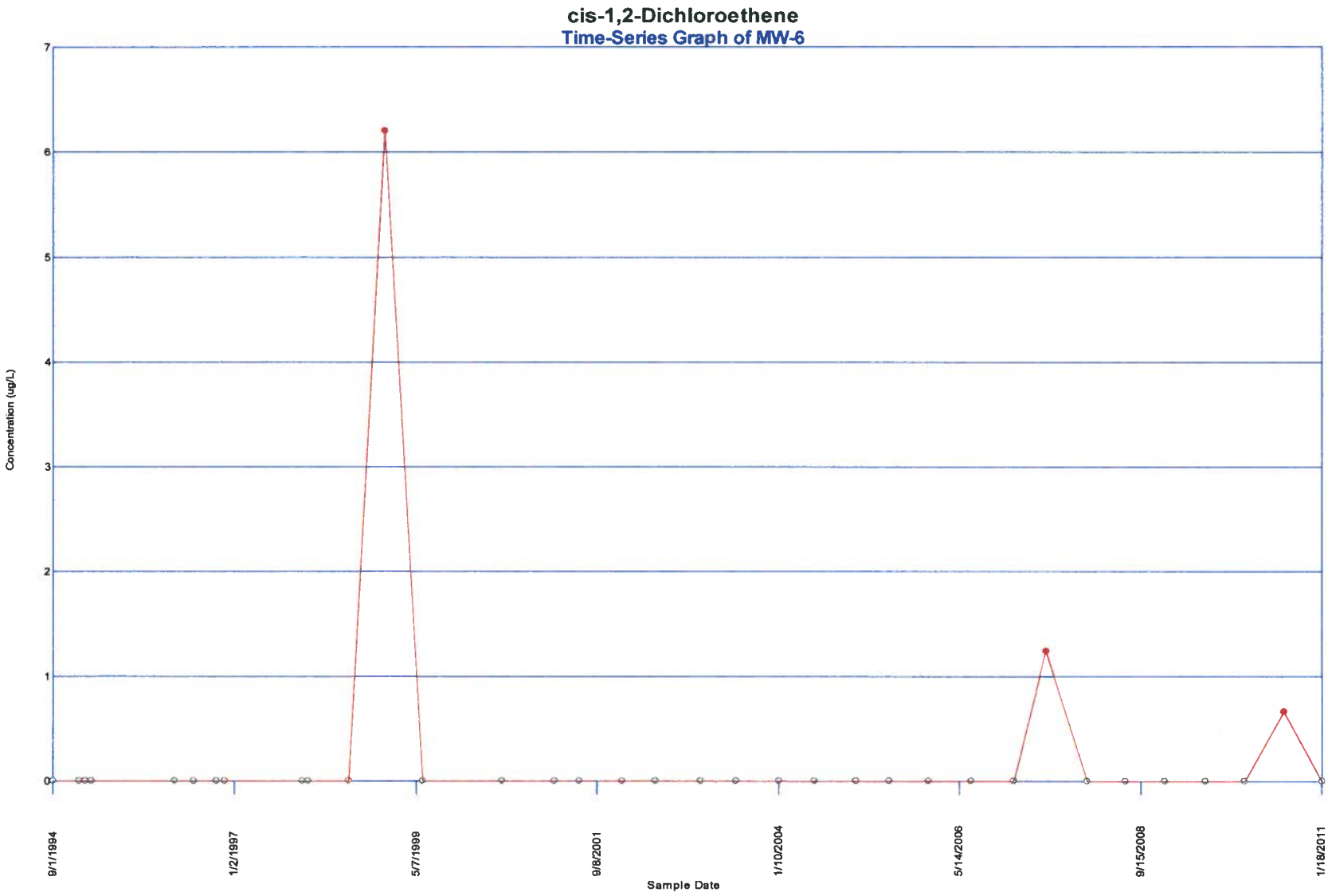

Trichloroethene
Time-Series Graph of MW-5
Concentration (ug/L)
200
150
100
50
0
9/1/1994
1/2/1997
5/7/1999
9/8/2001
1/11/2004
5/15/2006
9/18/2008
1/19/2011
Sample Date

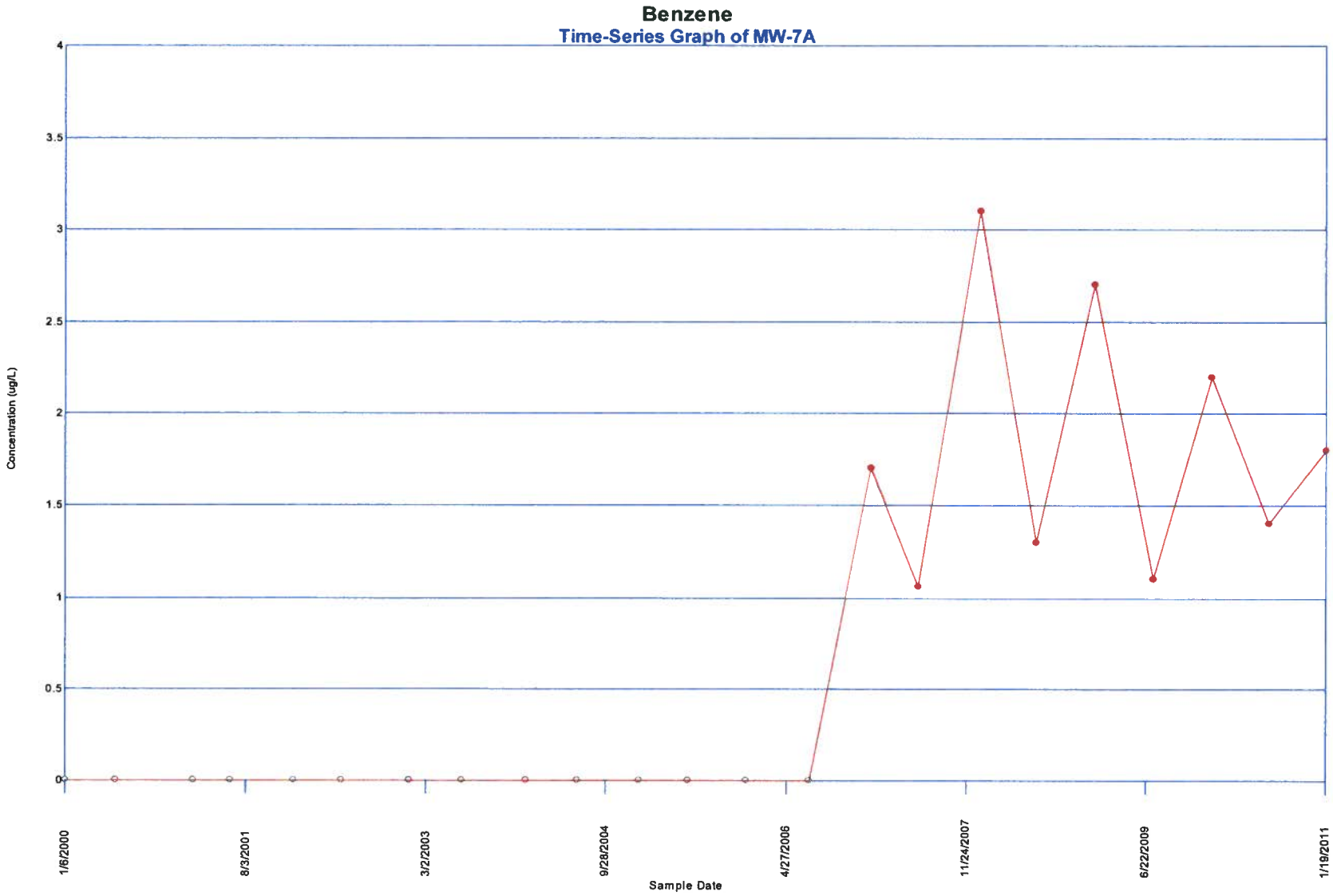

Vinyl chloride
Time-Series Graph of MW-5
Concentration (ug/L)
70
60
50
40
30
20
10
0
9/1/1994
1/2/1997
5/7/1999
9/8/2001
1/11/2004
5/15/2006
9/16/2008
1/19/2011
Sample Date

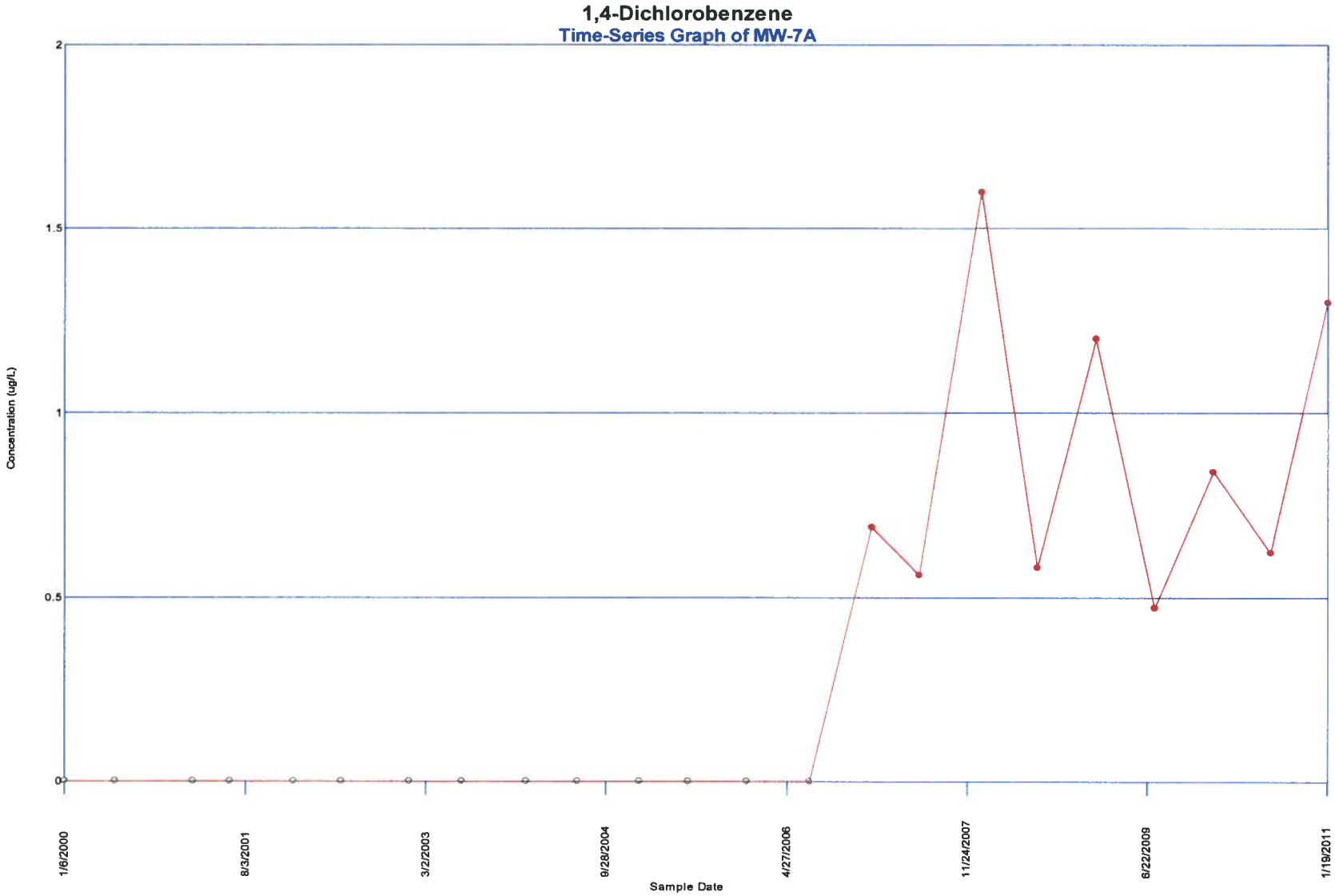

Cobalt Total
Time-Series Graph of MW-5
Concentration (ug/L)
200
150
100
50
0
9/1/1994
1/2/1997
5/7/1999
9/8/2001
1/11/2004
5/15/2006
9/18/2008
1/19/2011
Sample Date

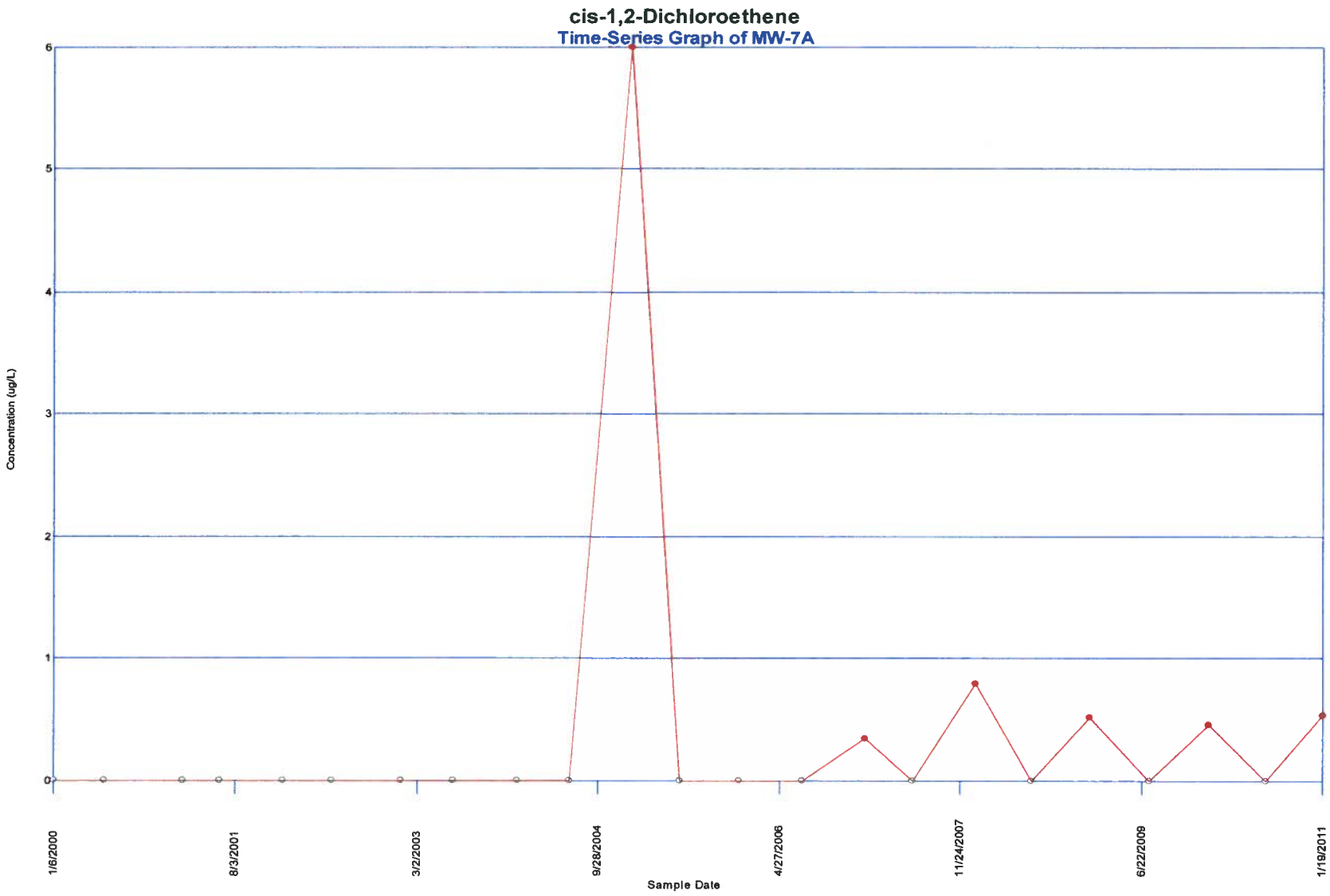

Nickel
Time-Series Graph of MW-5
Concentration (ug/L)
300
250
200
150
100
50
0
9/1/1994
1/2/1997
5/7/1999
9/8/2001
1/11/2004
5/15/2006
9/16/2008
1/19/2011
Sample Date

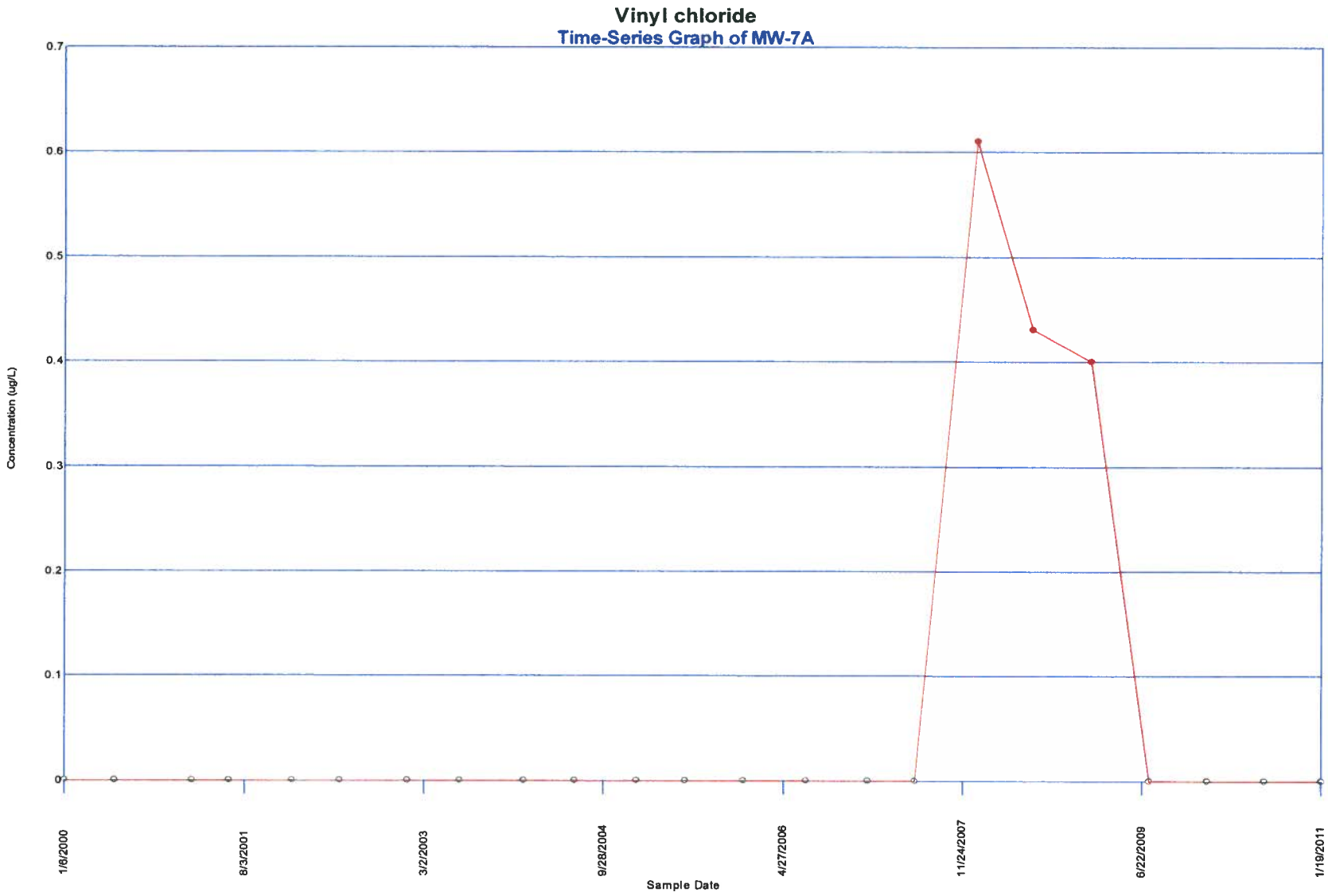

1,1-Dichloroethane
Time-Series Graph of MW-6
Concentration (ug/L)
6
5
4
3
2
1
0
9/1/1994
1/2/1997
5/7/1999
9/8/2001
1/10/2004
5/14/2006
9/15/2008
1/18/2011
Sample Date

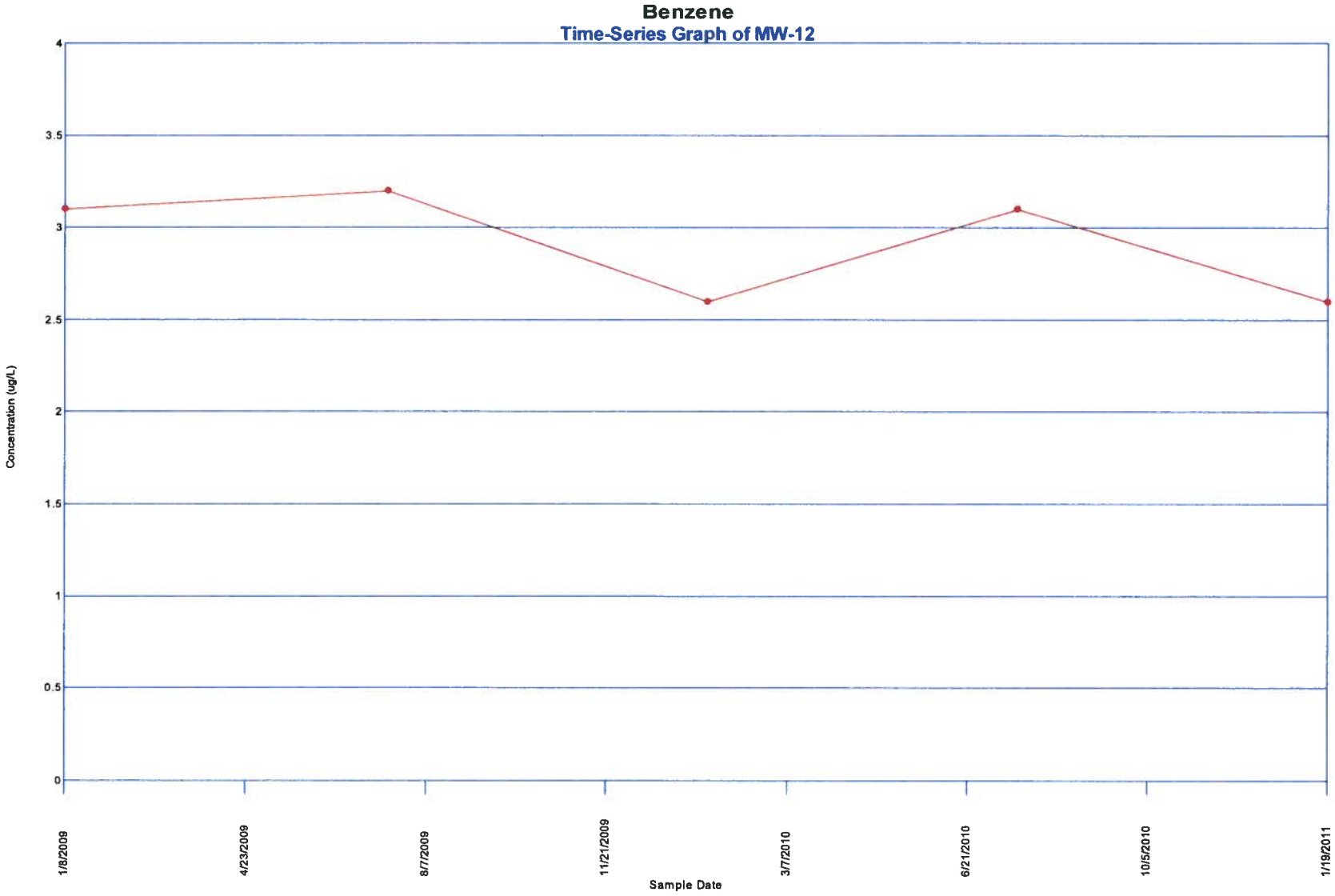

cis-1,2-Dichloroethene
Time-Series Graph of MW-6
Concentration (ug/L)
0
1
2
3
4
5
6
7
9/1/1994
1/2/1997
5/7/1999
9/8/2001
1/10/2004
5/14/2006
9/15/2008
1/18/2011
Sample Date

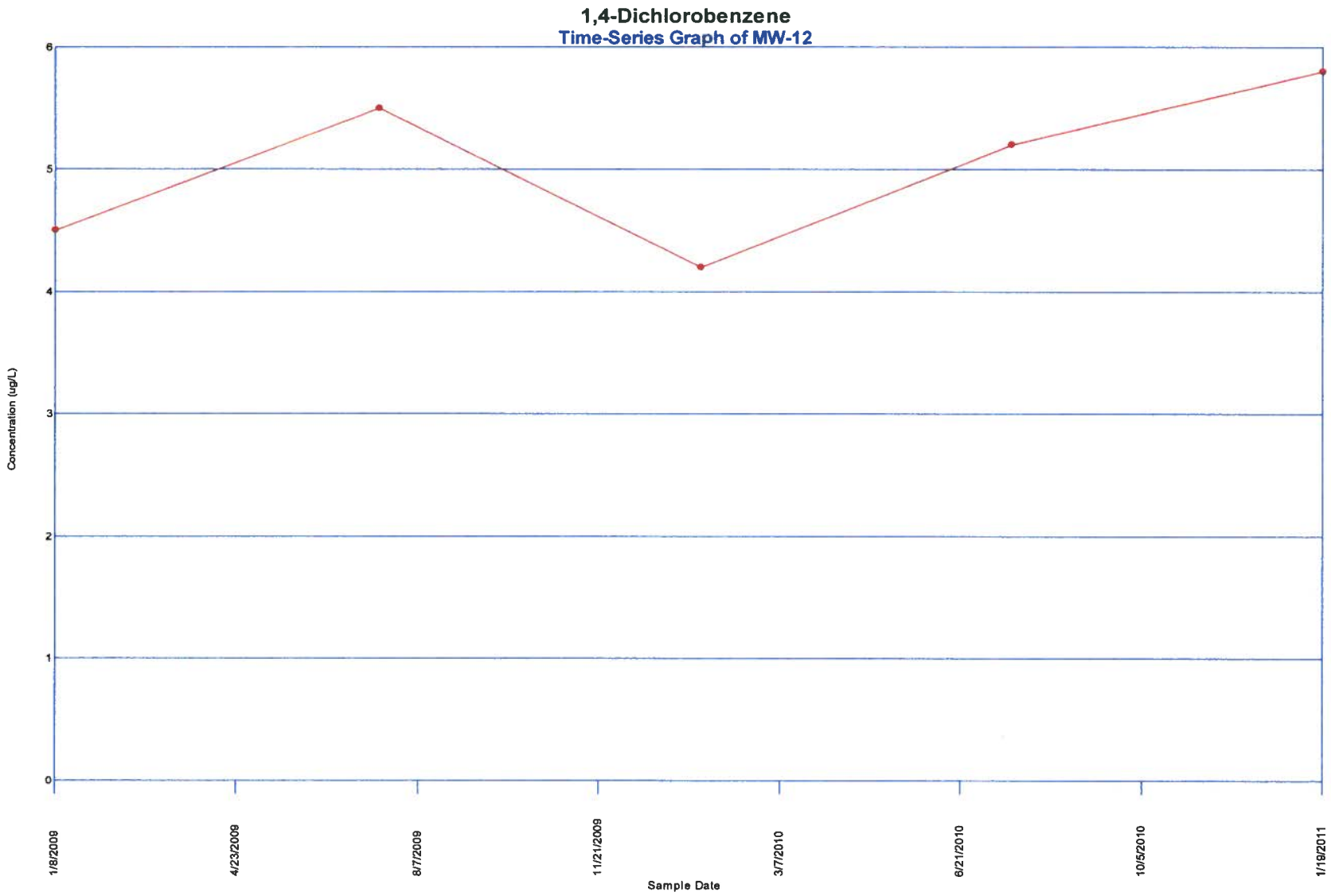

Benzene
Time-Series Graph of MW-7A
Concentration (ug/L)
4
3.5
3
2.5
2
1.5
1
0.5
0
1/6/2000
8/3/2001
3/2/2003
9/28/2004
4/27/2006
11/24/2007
6/22/2009
1/19/2011
Sample Date

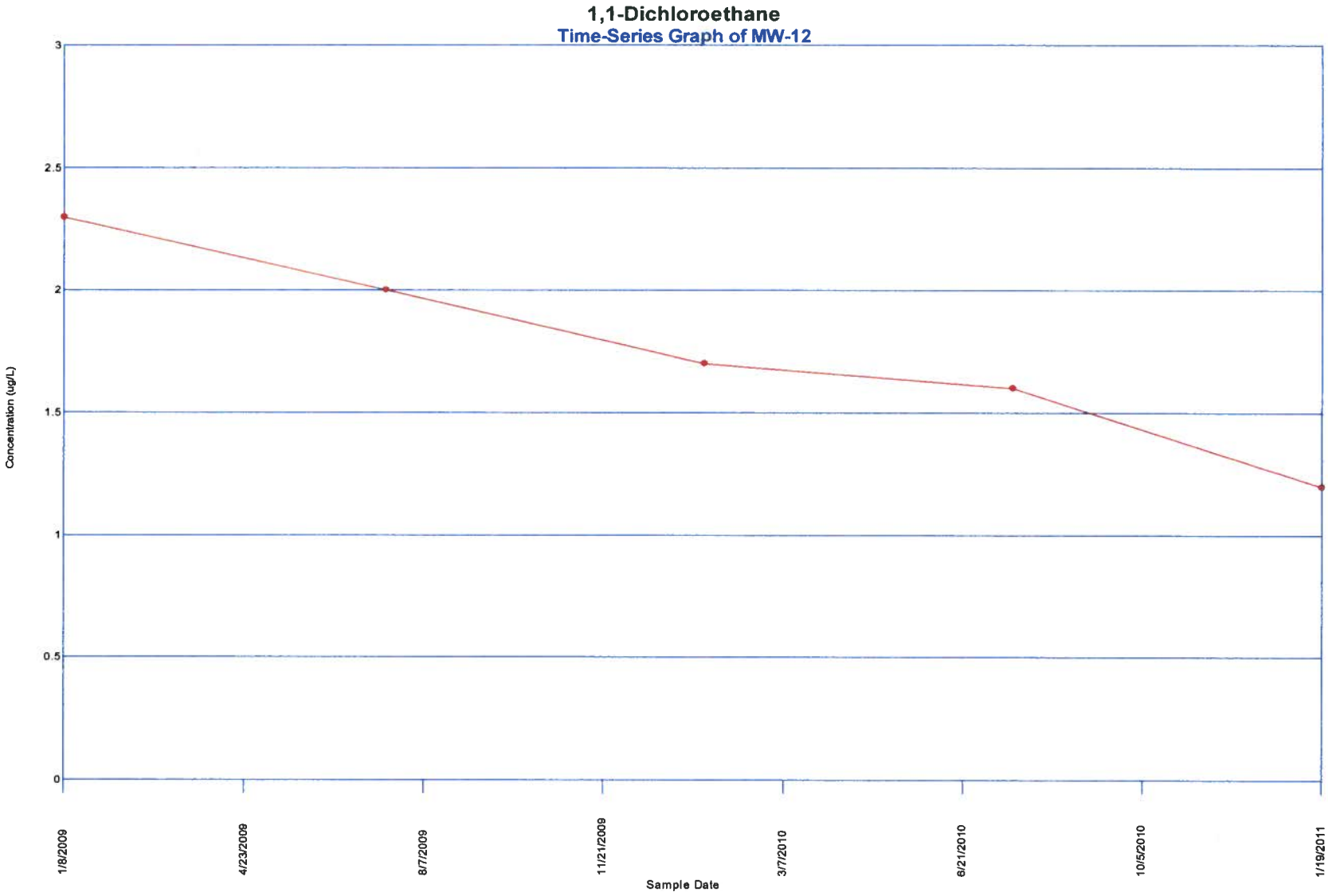

1,4-Dichlorobenzene
Time-Series Graph of MW-7A
Concentration (ug/L)
2
1.5
1
0.5
0
1/6/2000
8/3/2001
3/2/2003
9/28/2004
4/27/2006
11/24/2007
6/22/2009
1/19/2011
Sample Date

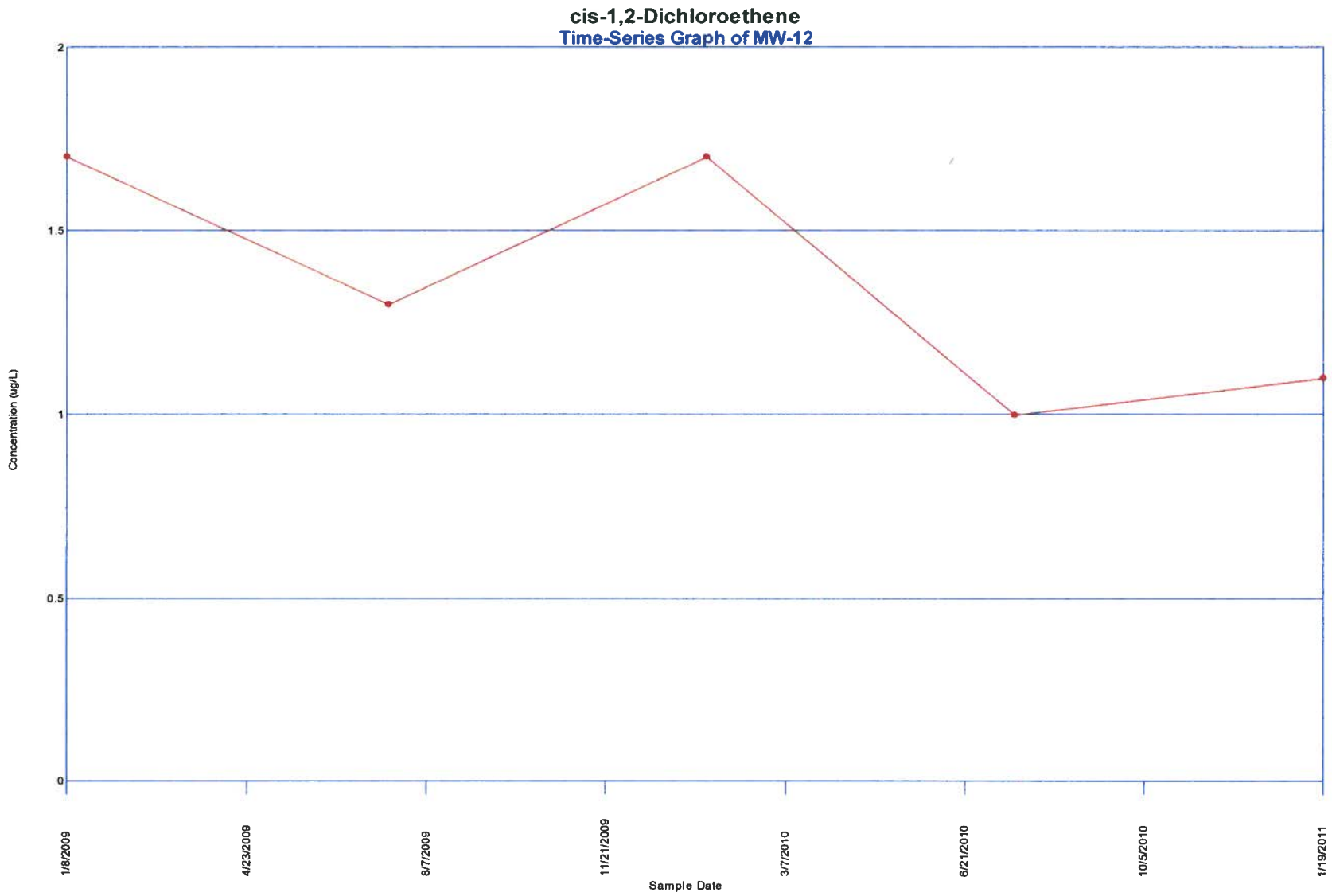

cis-1,2-Dichloroethene
Time-Series Graph of MW-7A
Concentration (ug/L)
0
1
2
3
4
5
6
1/6/2000
8/3/2001
3/2/2003
9/28/2004
4/27/2006
11/24/2007
6/22/2009
1/19/2011
Sample Date

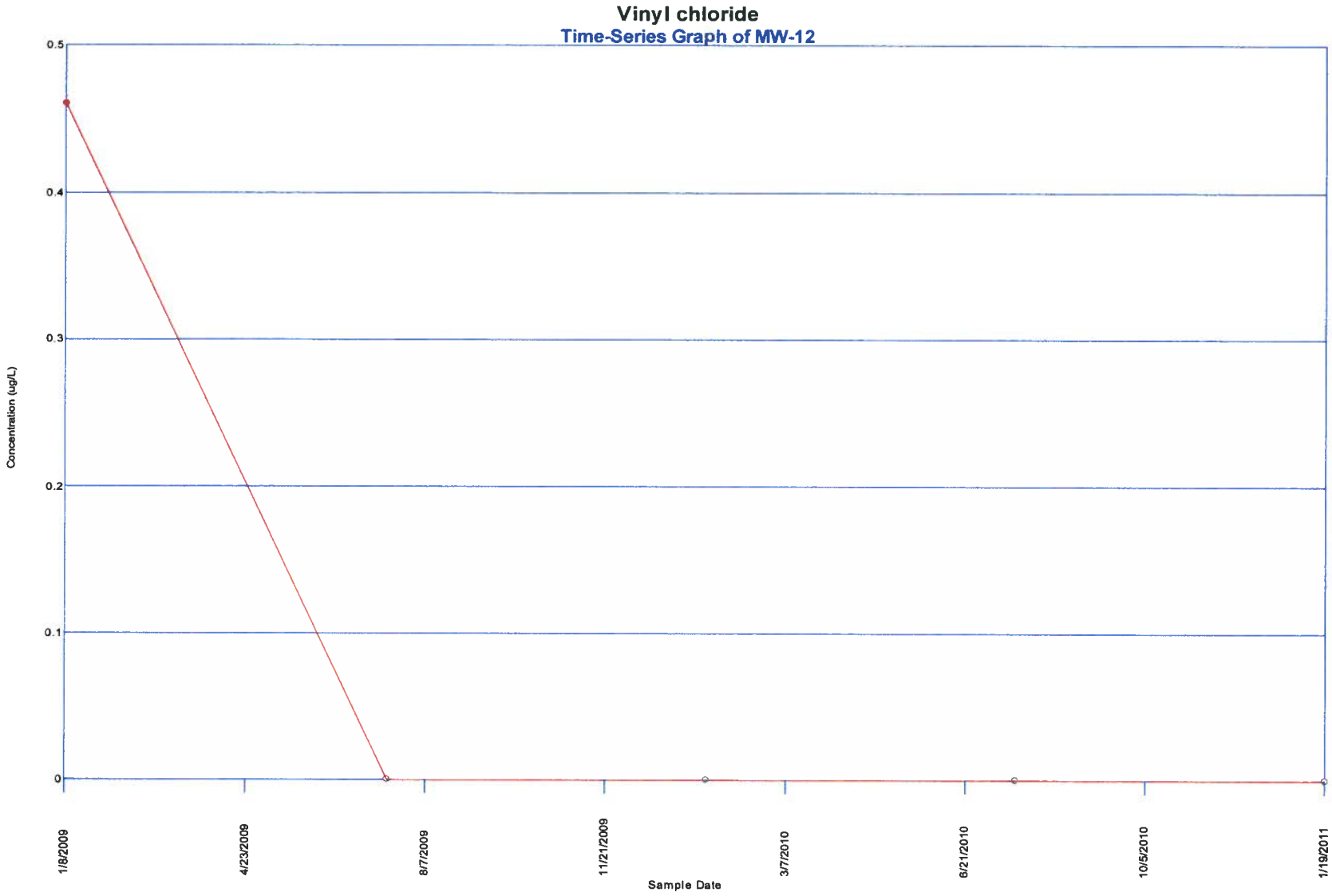

Vinyl chloride
Time-Series Graph of MW-7A
Concentration (ug/L)
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
1/6/2000
8/3/2001
3/2/2003
9/28/2004
4/27/2006
11/24/2007
6/22/2009
1/19/2011
Sample Date

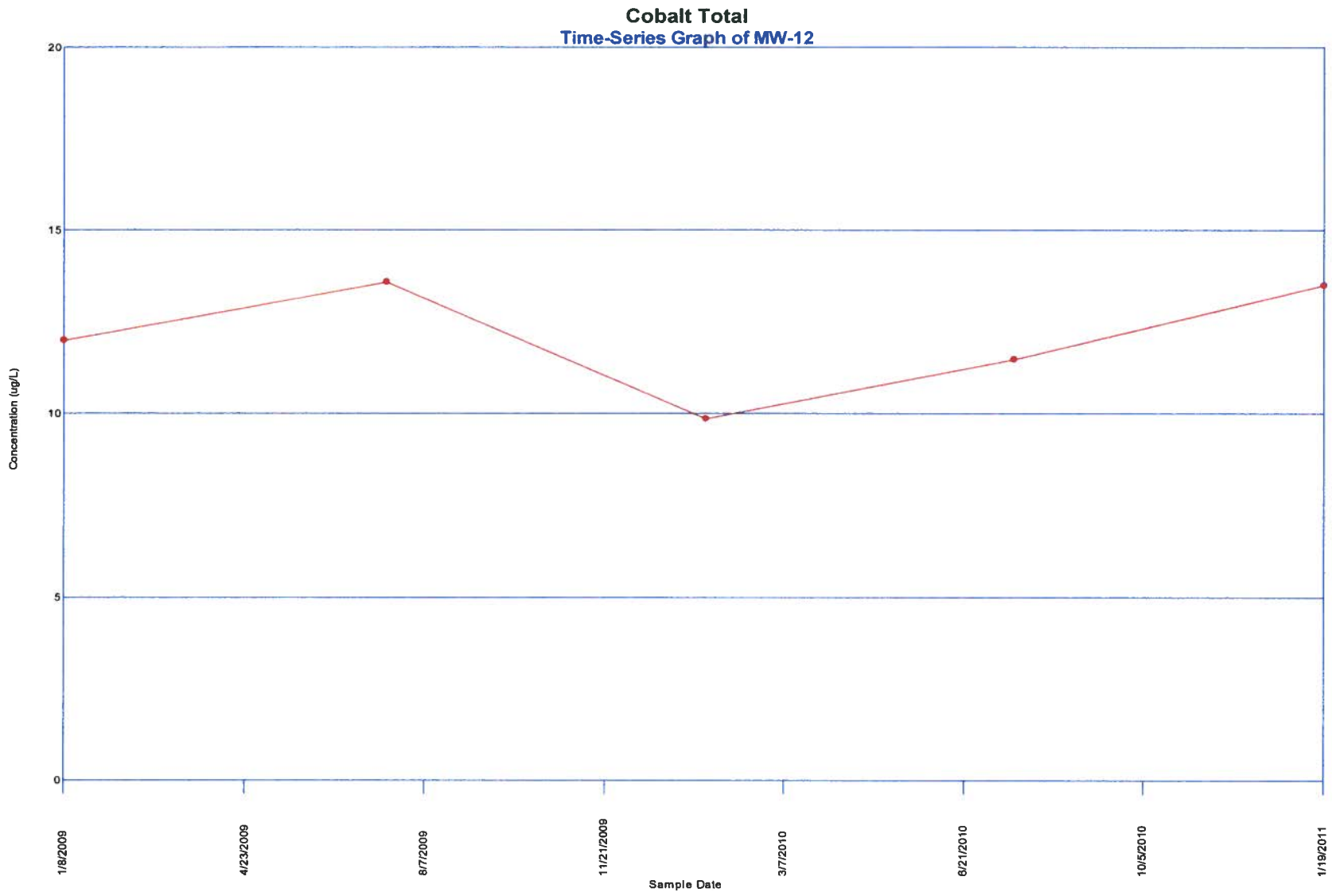

Benzene
Time-Series Graph of MW-12
Concentration (ug/L)
4
3.5
3
2.5
2
1.5
1
0.5
0
1/8/2009
4/23/2009
8/7/2009
11/21/2009
3/7/2010
6/21/2010
10/5/2010
1/19/2011
Sample Date

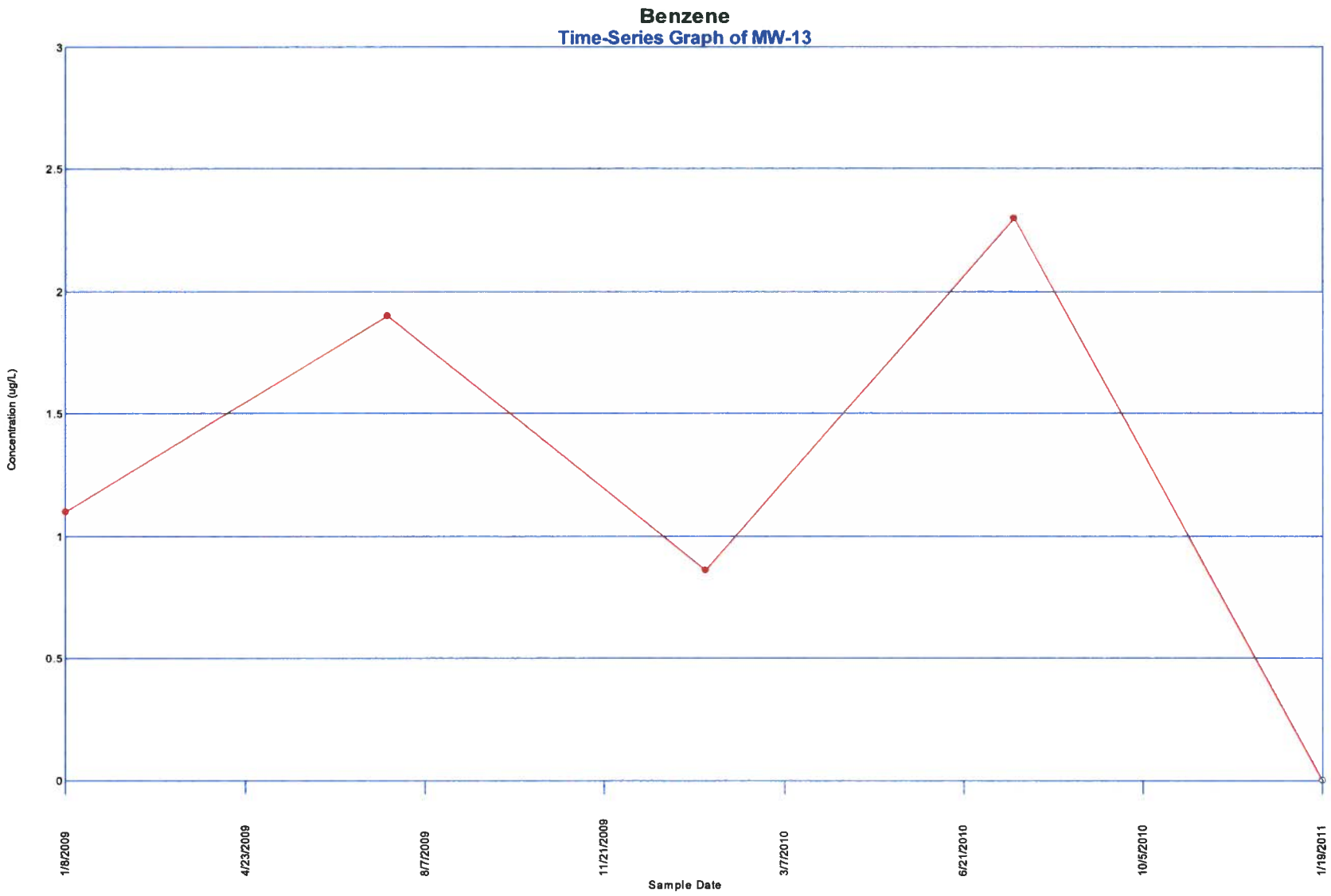

1,4-Dichlorobenzene
Time-Series Graph of MW-12
Concentration (ug/L)
0
1
2
3
4
5
6
1/8/2008
4/23/2008
8/7/2009
11/21/2009
3/7/2010
6/21/2010
10/5/2010
1/18/2011
Sample Date

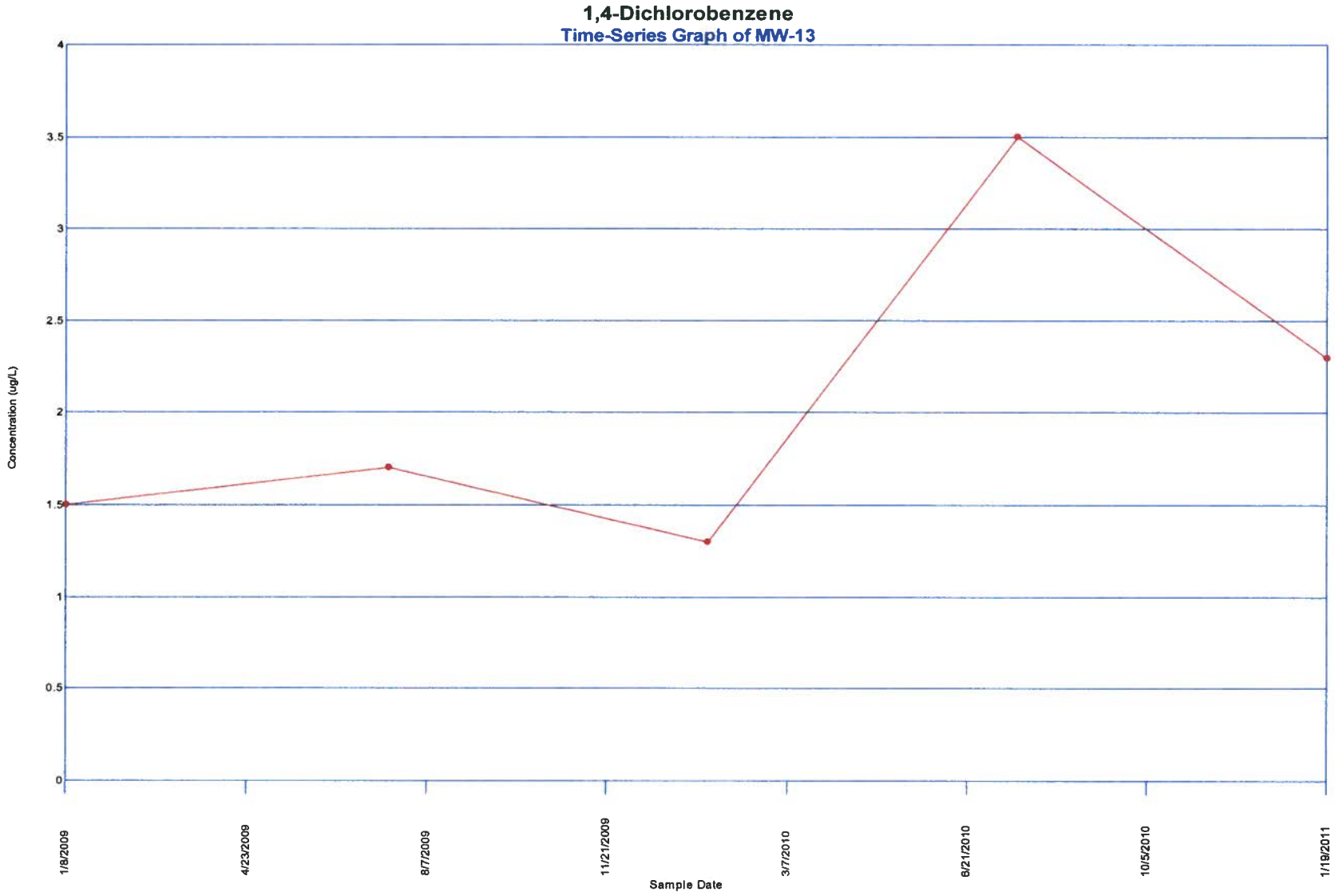

1,1-Dichloroethane
Time-Series Graph of MW-12
Concentration (ug/L)
3
2.5
2
1.5
1
0.5
0
1/8/2009
4/23/2009
8/7/2009
11/21/2009
3/7/2010
6/21/2010
10/5/2010
1/19/2011
Sample Date

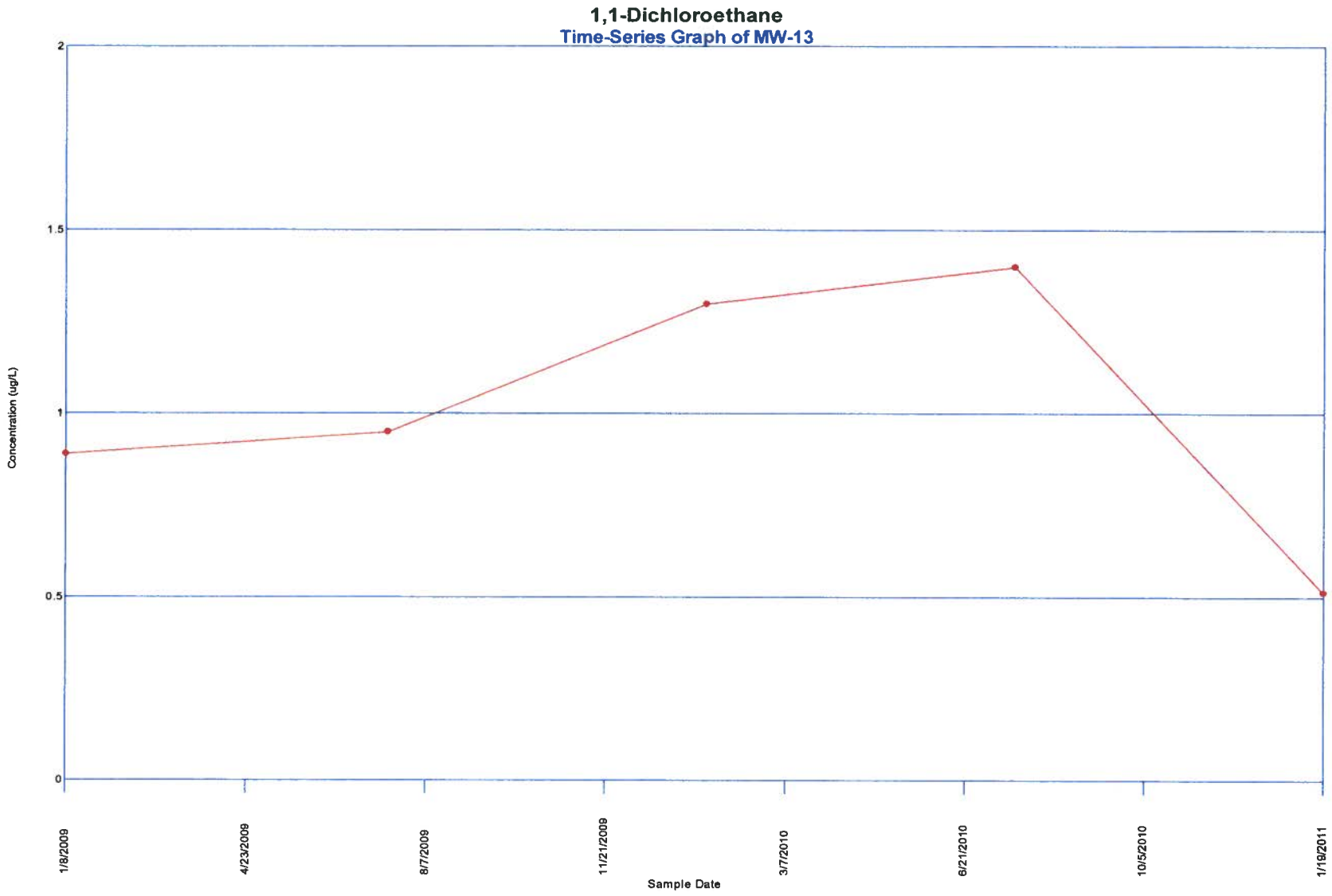

cis-1,2-Dichloroethene
Time-Series Graph of MW-12
Concentration (ug/L)
2
1.5
1
0.5
0
1/8/2009
4/23/2009
8/7/2009
11/21/2009
3/7/2010
6/21/2010
10/5/2010
1/19/2011
Sample Date

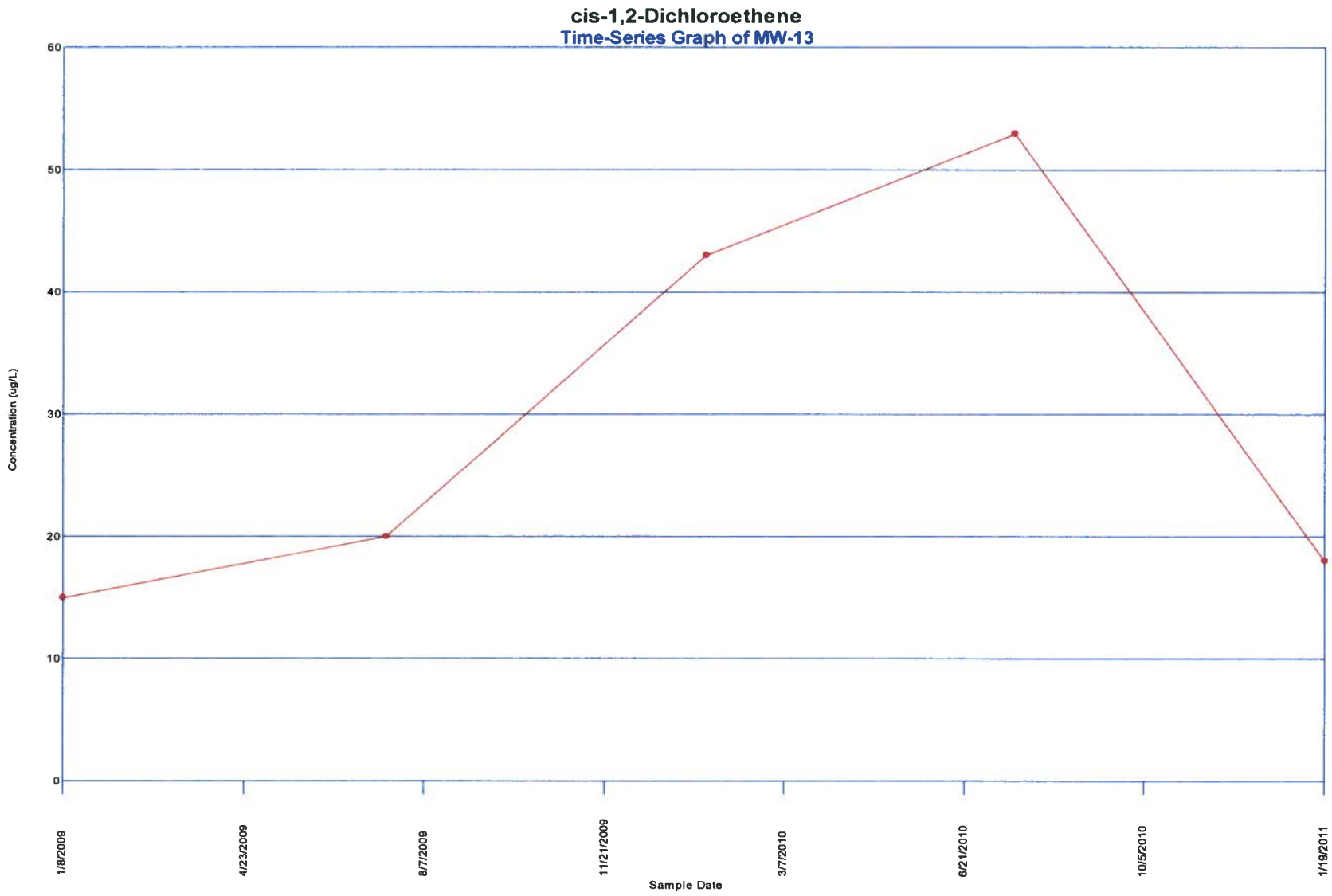

Vinyl chloride
Time-Series Graph of MW-12
Concentration (ug/L)
0.5
0.4
0.3
0.2
0.1
0
1/8/2009
4/23/2009
8/7/2009
11/21/2009
3/7/2010
6/21/2010
10/5/2010
1/19/2011
Sample Date

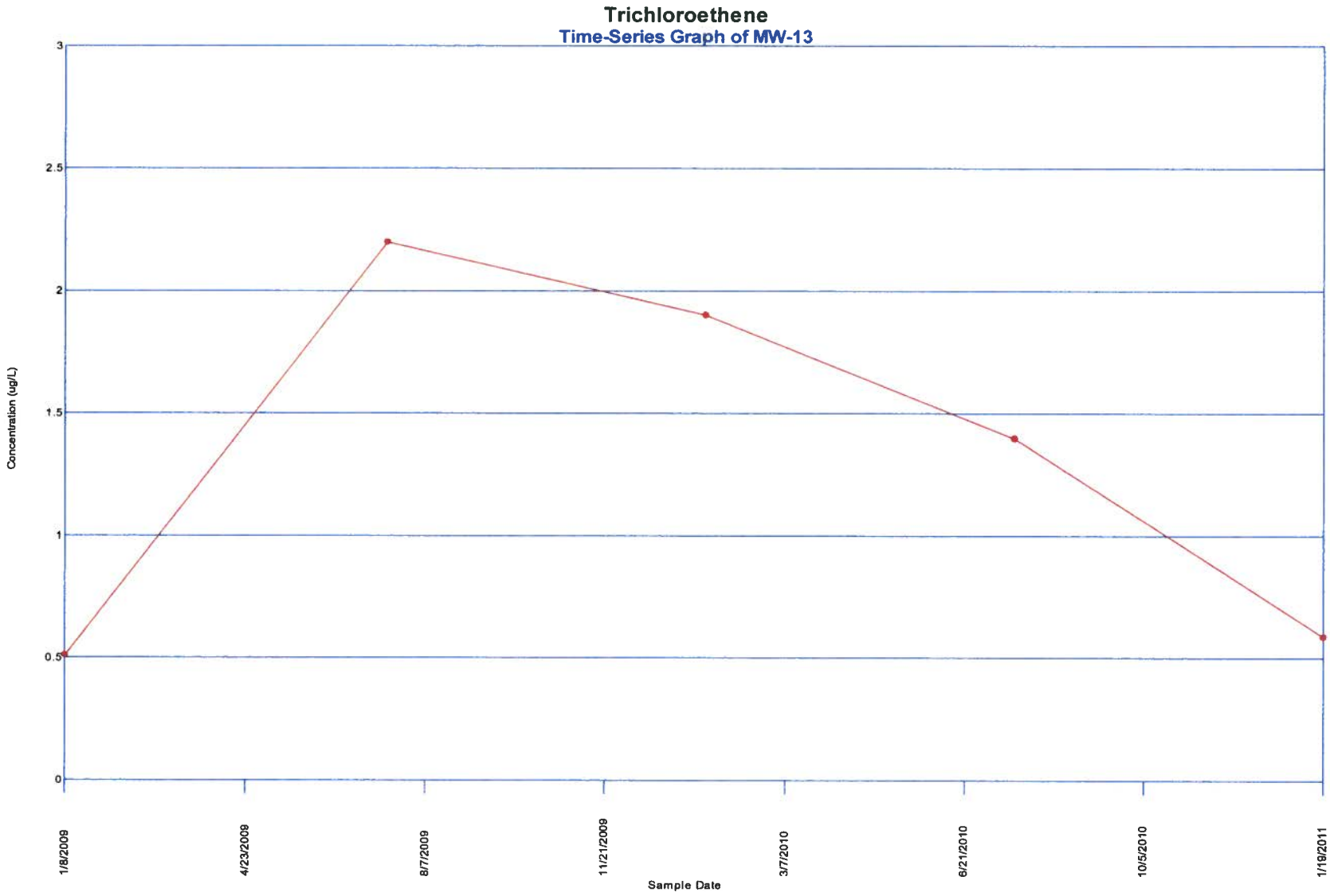

Cobalt Total
Time-Series Graph of MW-12
Concentration (ug/L)
20
15
10
5
0
1/8/2009
4/23/2009
8/7/2009
11/21/2009
3/7/2010
6/21/2010
10/5/2010
1/19/2011
Sample Date

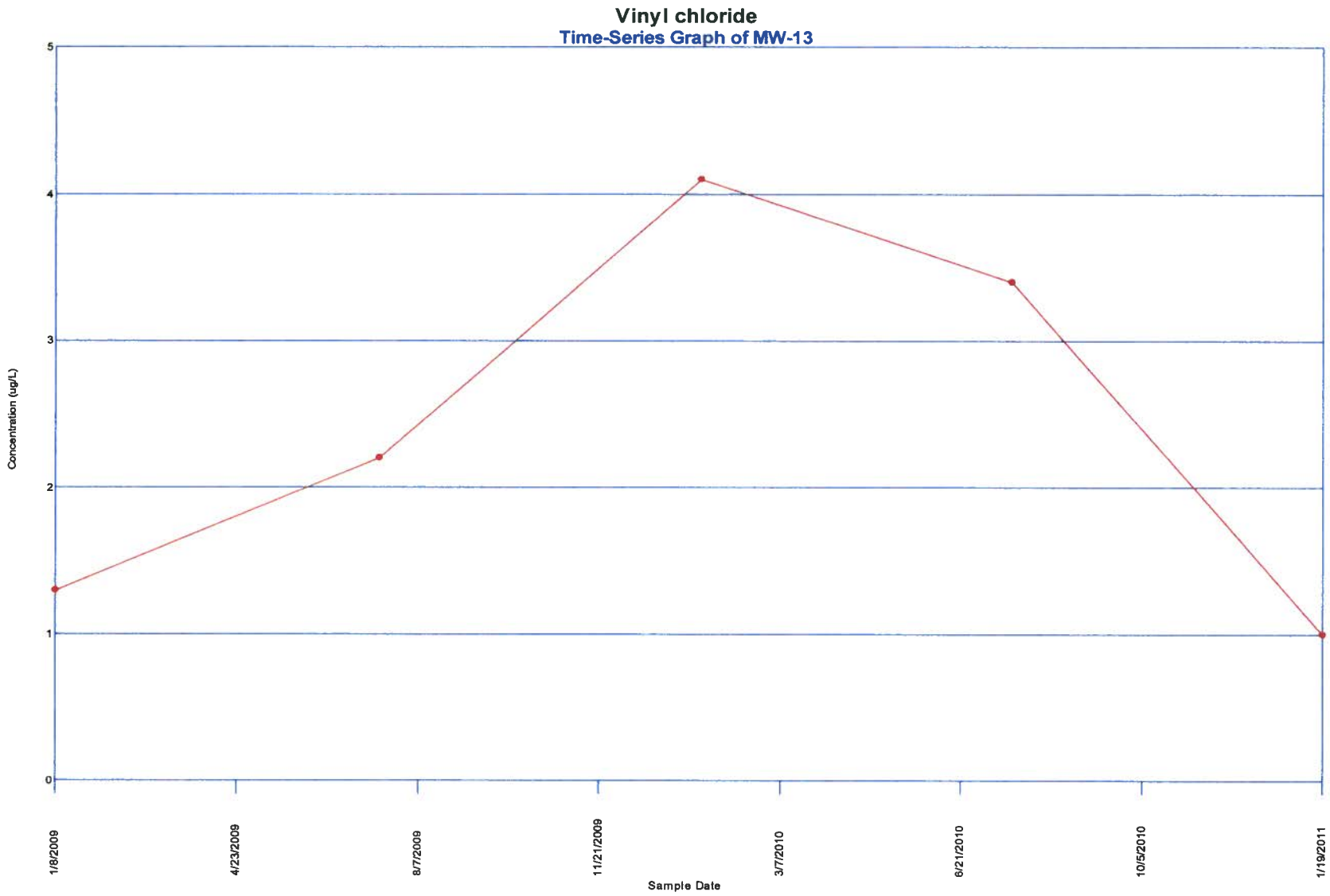

Benzene
Time-Series Graph of MW-13
Concentration (ug/L)
3
2.5
2
1.5
1
0.5
0
1/8/2009
4/23/2009
8/7/2009
11/21/2009
3/7/2010
6/21/2010
10/5/2010
1/19/2011
Sample Date

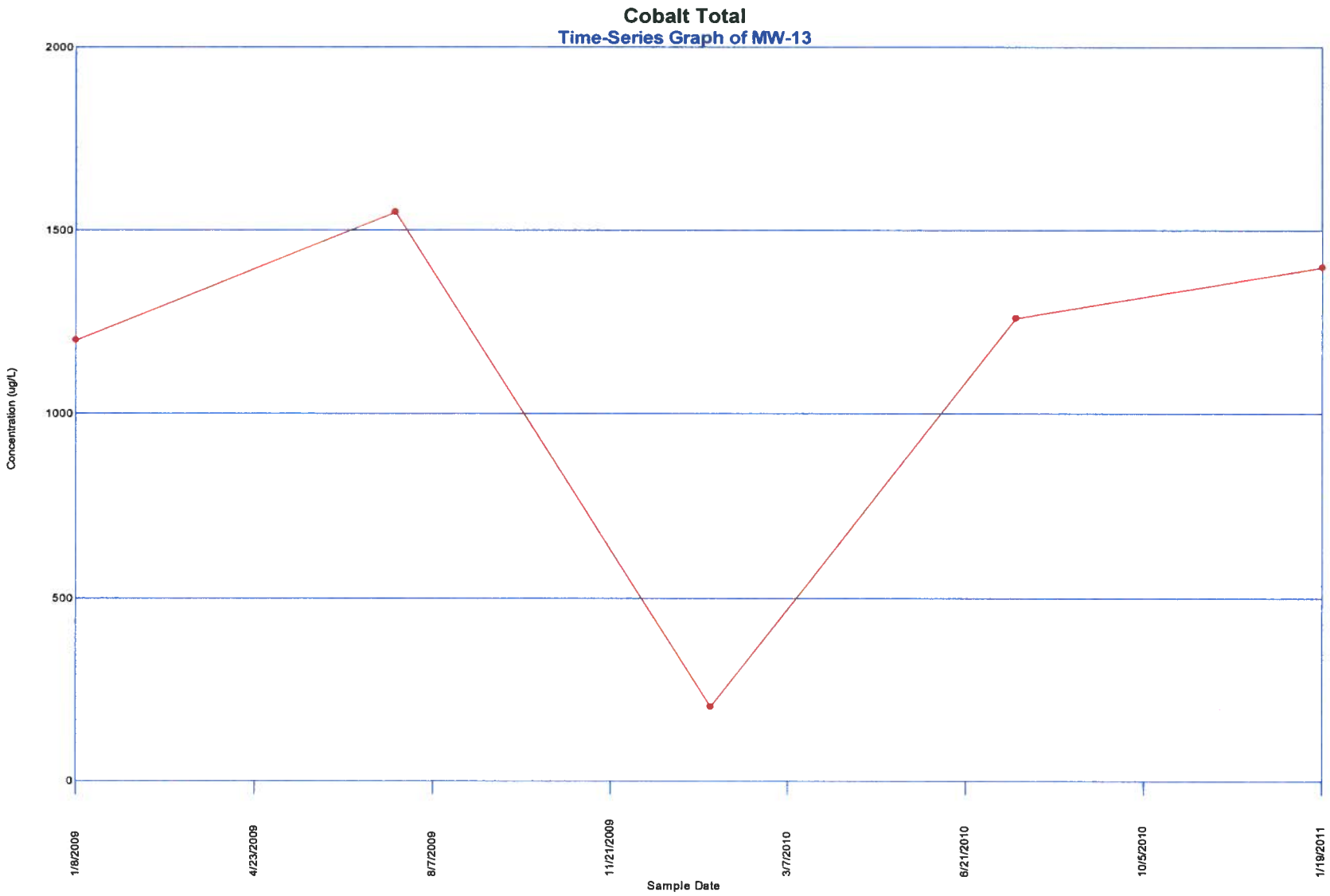

1,4-Dichlorobenzene
Time-Series Graph of MW-13
Concentration (ug/L)
4
3.5
3
2.5
2
1.5
1
0.5
0
1/8/2009
4/23/2009
8/7/2009
11/21/2009
3/7/2010
8/21/2010
10/5/2010
1/19/2011
Sample Date

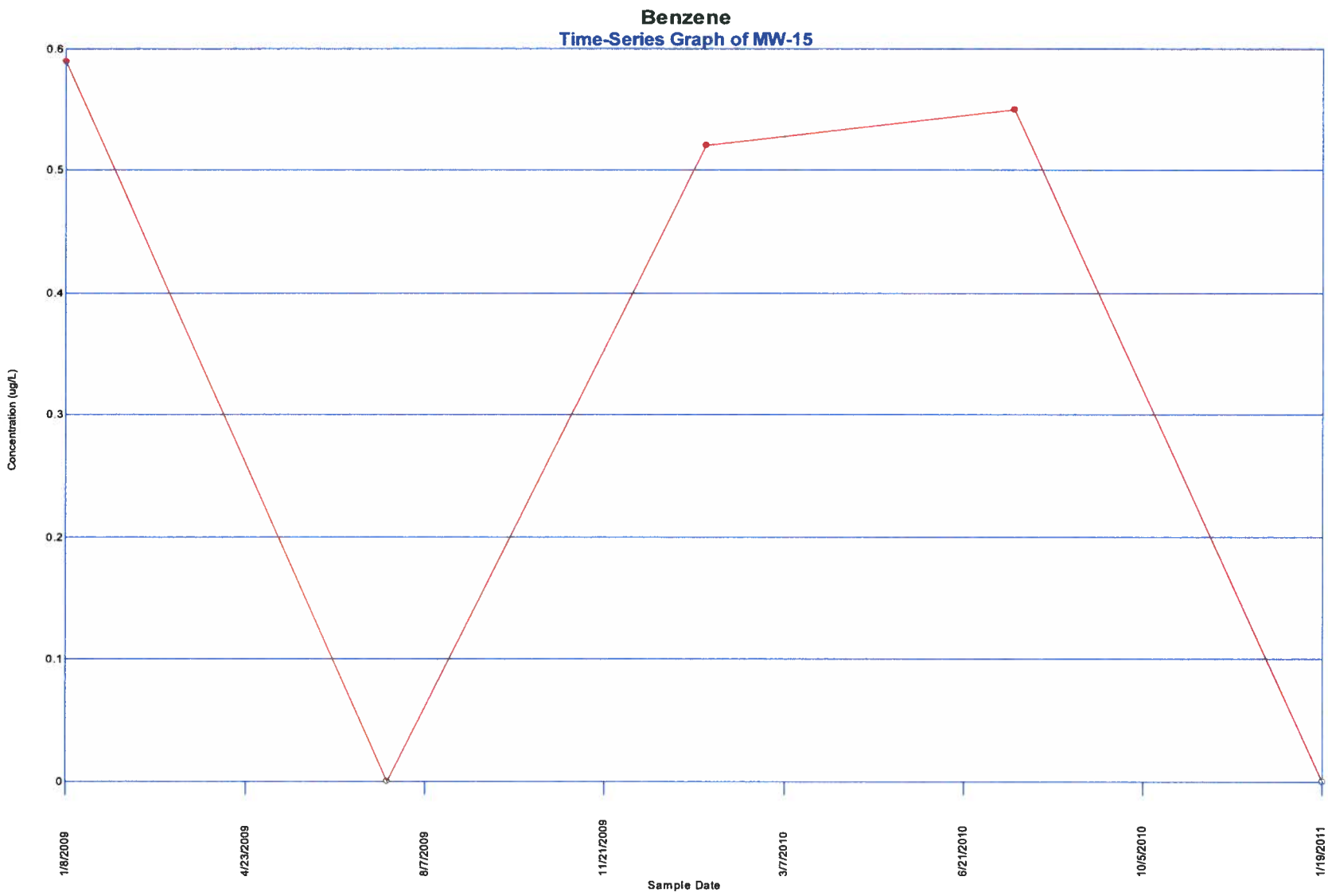

1,1-Dichloroethane
Time-Series Graph of MW-13
Concentration (ug/L)
2
1.5
1
0.5
0
1/8/2009
4/23/2009
8/7/2009
11/21/2009
3/7/2010
6/21/2010
10/5/2010
1/19/2011
Sample Date

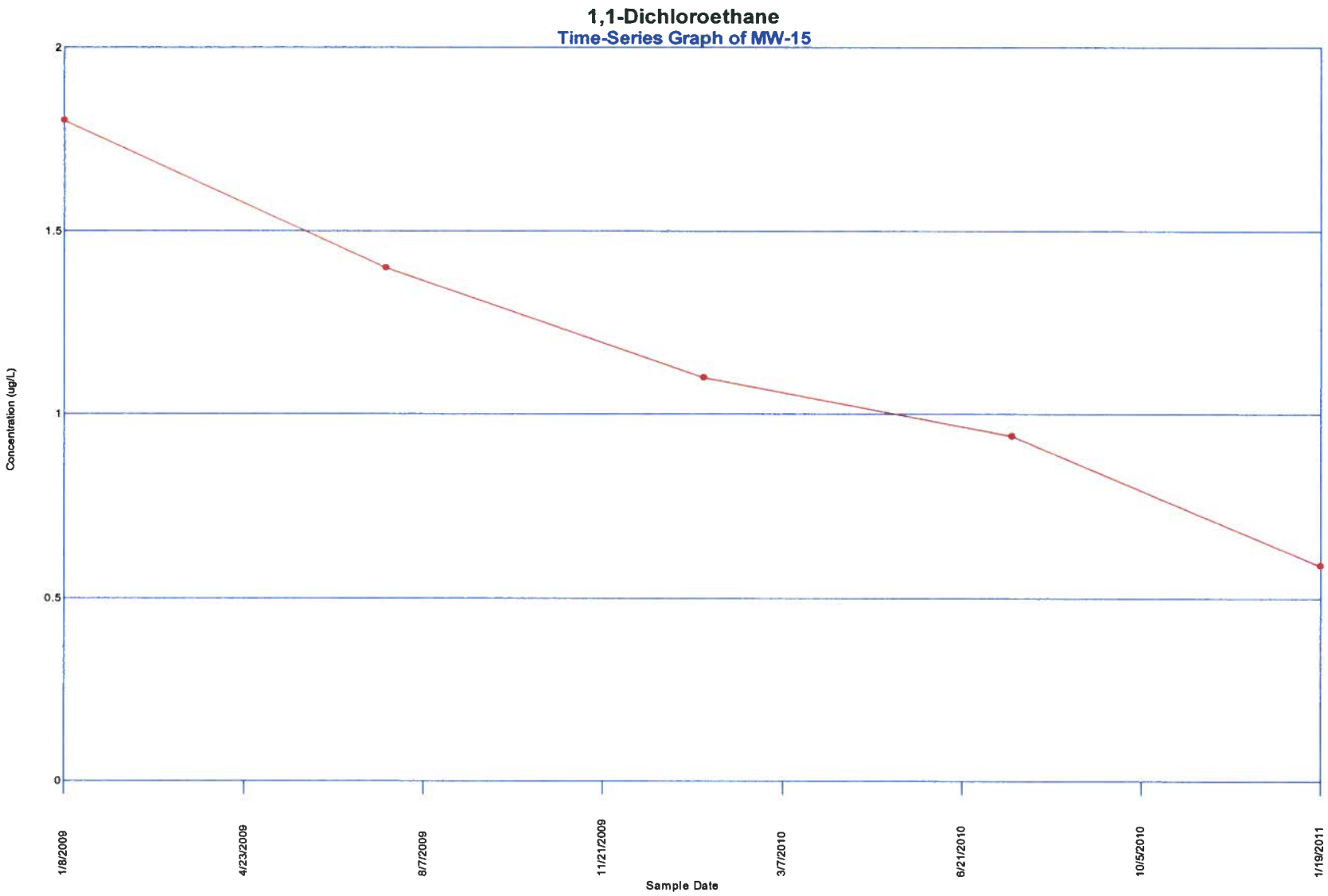

cis-1,2-Dichloroethene
Time-Series Graph of MW-13
Concentration (ug/L)
60
50
40
30
20
10
0
1/8/2009
4/23/2009
8/7/2009
11/21/2009
3/7/2010
6/21/2010
10/5/2010
1/19/2011
Sample Date

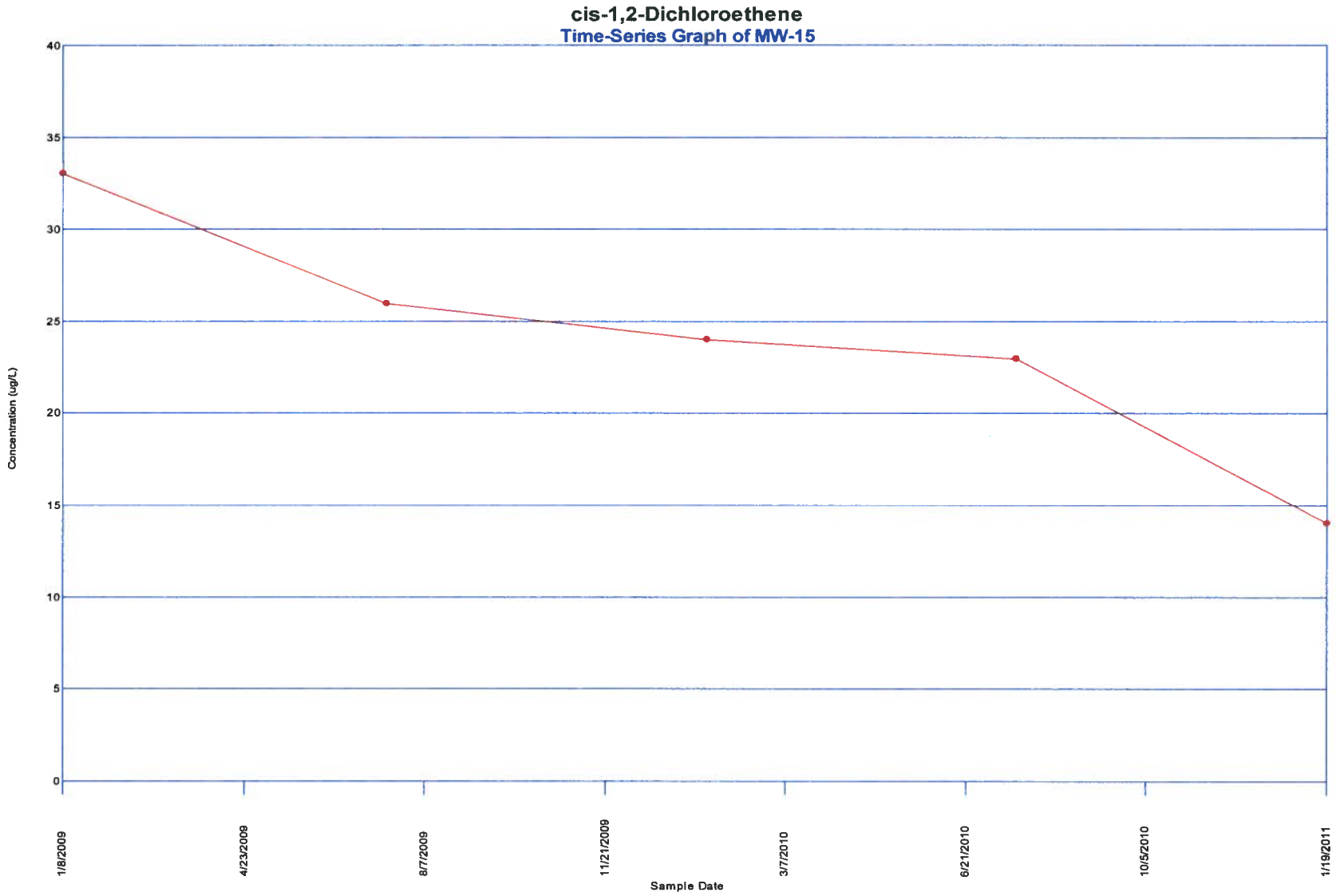

Trichloroethene
Time-Series Graph of MW-13
Concentration (ug/L)
3
2.5
2
1.5
1
0.5
0
1/8/2009
4/23/2009
8/7/2009
11/21/2009
3/7/2010
6/21/2010
10/5/2010
1/19/2011
Sample Date

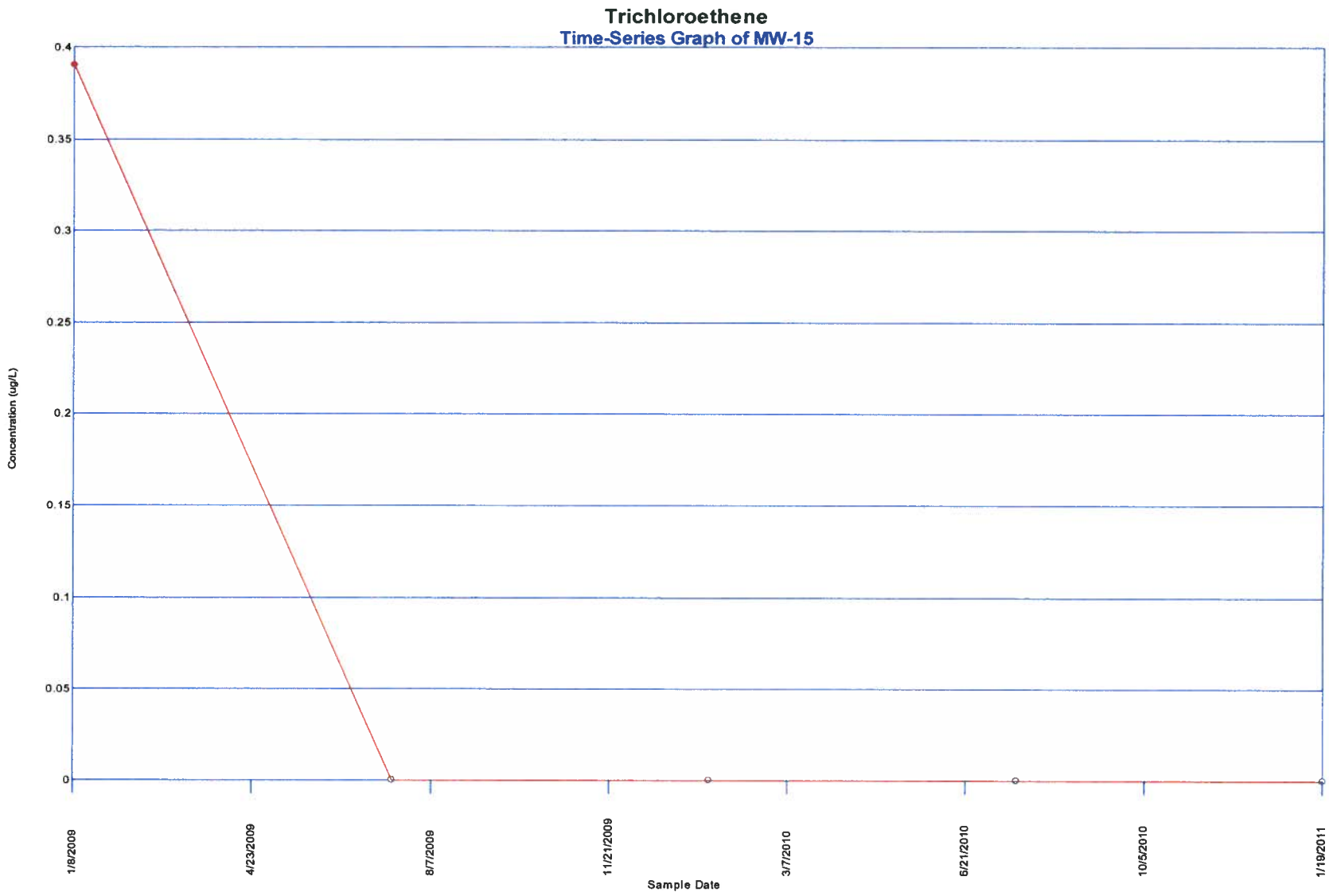

Vinyl chloride
Time-Series Graph of MW-13
Concentration (ug/L)
5
4
3
2
1
0
1/8/2009
4/23/2009
8/7/2009
11/21/2009
3/7/2010
6/21/2010
10/5/2010
1/19/2011
Sample Date

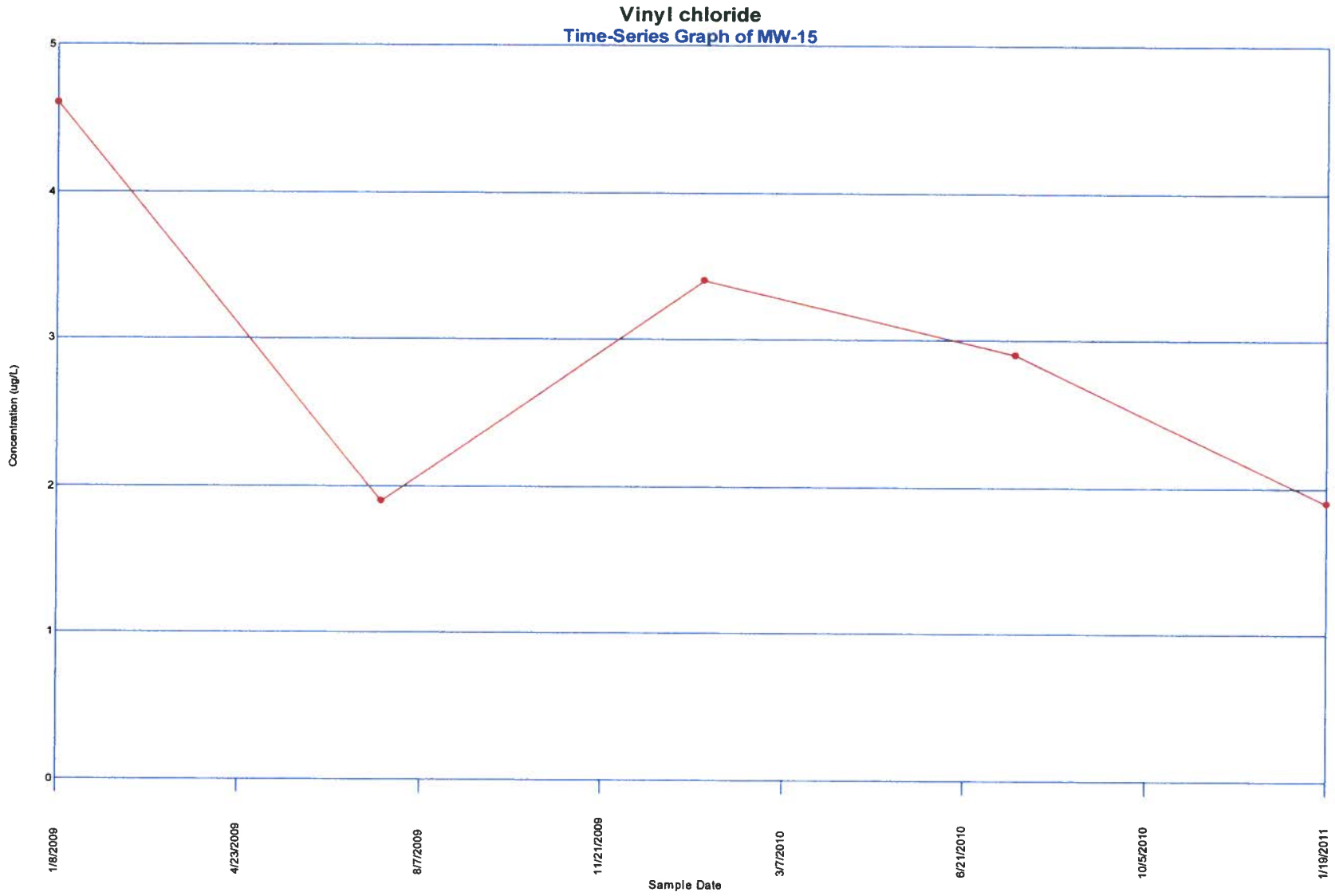

Cobalt Total
Time-Series Graph of MW-13
2000
1500
1000
500
0
Concentration (ug/L)
1/8/2009
4/23/2009
8/7/2009
11/21/2009
3/7/2010
6/21/2010
10/5/2010
1/19/2011
Sample Date

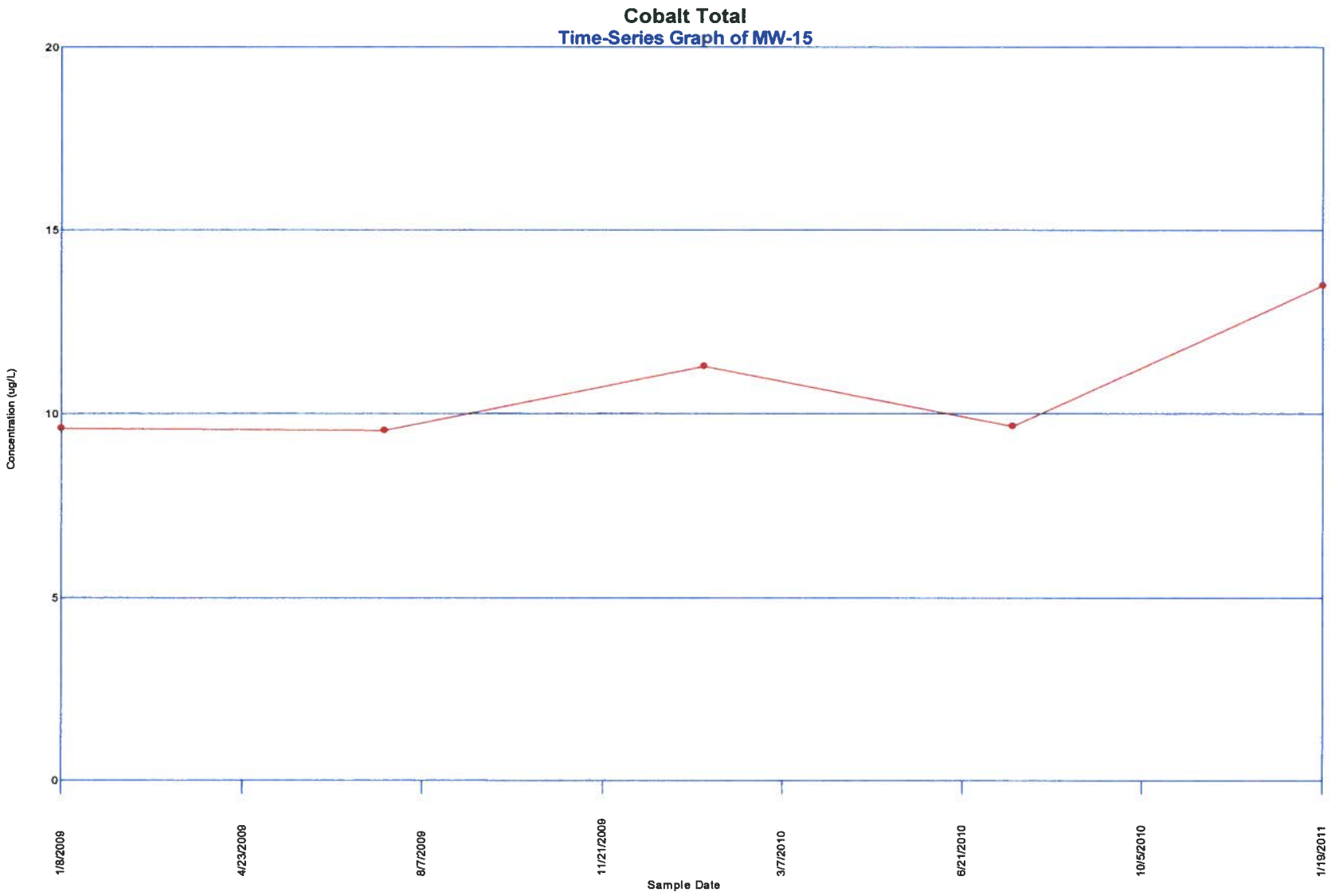

Benzene
Time-Series Graph of MW-15
Concentration (ug/L)
0.6
0.5
0.4
0.3
0.2
0.1
0
1/8/2009
4/23/2009
8/7/2009
11/21/2009
3/7/2010
6/21/2010
10/5/2010
1/19/2011
Sample Date


1,1-Dichloroethane
Time-Series Graph of MW-15
Concentration (ug/L)
2
1.5
1
0.5
0
1/8/2009
4/23/2009
8/7/2009
11/21/2009
3/7/2010
6/21/2010
10/5/2010
1/19/2011
Sample Date


cis-1,2-Dichloroethene
Time-Series Graph of MW-15
Concentration (ug/L)
40
35
30
25
20
15
10
5
0
1/8/2009
4/23/2009
8/7/2009
11/21/2009
3/7/2010
6/21/2010
10/5/2010
1/19/2011
Sample Date


Trichloroethene
Time-Series Graph of MW-15
Concentration (ug/L)
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
1/8/2009
4/23/2009
8/7/2009
11/21/2009
3/7/2010
6/21/2010
10/5/2010
1/19/2011
Sample Date


Vinyl chloride
Time-Series Graph of MW-15
Concentration (ug/L)
5
4
3
2
1
0
1/8/2009
4/23/2009
8/7/2009
11/21/2009
3/7/2010
6/21/2010
10/5/2010
1/19/2011
Sample Date


Cobalt Total
Time-Series Graph of MW-15
Concentration (ug/L)
20
15
10
5
0
1/8/2009
4/23/2009
8/7/2009
11/21/2009
3/7/2010
6/21/2010
10/5/2010
1/19/2011
Sample Date