JANUARY 2009
ENVIRONMENTAL COMPLIANCE MONITORING REPORT
EDGECOMBE COUNTY LANDFILL
TARBORO, NORTH CAROLINA

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

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

Prepared by:

S&ME

3201 Spring Forest Road
Raleigh, NC 27616

March 5, 2009

Michelle L. Logut
Environmental Scientist

Thomas P. Raymond, P.E.
Senior Consultant

David B. Wells, P.G.
Project Manager

NORTH CAROLINA LICENSED 3-5-09 SEAL 1607 GEOLOGIST DAVID BRIAN WELLS

March 5, 2009

Edgecombe County
Administration Building, Box 10
Tarboro, North Carolina 27886

Attention: Mr. Danny Bagley
Edgecombe County Solid Waste Manager

Reference: Environmental Compliance Monitoring, January 2009
Edgecombe County Landfill
Tarboro, North Carolina
Facility Permit No. 33-01
S&ME Project No. 1054-07-238A

Dear Mr. Bagley:

S&ME, Inc. (S&ME) is pleased to submit this report documenting the environmental compliance monitoring conducted on January 8, 2009 at the Edgecombe County Landfill located in Tarboro, North Carolina. These services have been performed in general accordance with S&ME Proposal No. 4541-08V, dated September 5, 2008. A compact disk (CD) containing an electronic copy of this report in portable document format (.pdf) and **Table 1** in Excel spreadsheet format (.xls) is included in **Appendix II**. One copy of this report is attached for your file, and one copy was delivered on your behalf directly to the North Carolina Department of Environment and Natural Resources - Division of Waste Management (NCDENR-DWM), Solid Waste Section (SWS).

The following report presents the results of laboratory analyses of groundwater samples collected from eleven 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) and two surface water sampling points (upstream and downstream locations on Jerry's Creek). Static water levels were measured at selected on-site wells and piezometers to enable preparation of the groundwater contour map for estimating groundwater flow direction and hydraulic gradient.

According to the *Corrective Action Plan Review* letter dated January 16, 2009, NCDENR-DWM SWS recommends that semiannual sampling be continued at the site for select analytes on the Appendix I constituent list and the full suite of monitored natural attenuation (MNA) parameters.

S&ME appreciates the opportunity to provide our environmental services to Edgecombe County and hopes that you find this report to be complete and informative. We would welcome the opportunity to discuss our findings and recommendations with you should you have any questions. Please call us at (919) 872-2660 if you have any questions or comments, or if we can be of further assistance.

Sincerely,
S&ME, Inc.

Michelle L. Logut
Environmental Scientist

David B. Wells, P.G.
Project Manager

Thomas P. Raymond, P.E.
Senior Consultant

Attachment: January 2009 Environmental Compliance Monitoring Report

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1.0 PROJECT INFORMATION AND STATUS

1.1 Introduction

Edgecombe County currently operates a solid waste facility on a tract of land located off of State Road 1601, in Edgecombe County, south of Tarboro, North Carolina (**Figure 1**). In general, the solid waste facility includes a municipal solid waste (MSW) transfer station and a construction & demolition (C&D) debris landfill unit. The C&D debris landfill unit is operated over an existing closed MSW landfill, in general accordance with North Carolina Department of Environment and Natural Resources (NCDENR) Permit No. 33-01. Edgecombe County continues to perform groundwater and surface water monitoring on a semiannual basis to comply with the requirements of North Carolina Solid Waste Management Rules (Solid Waste Rules), 15A NCAC 13B. S&ME has prepared this report on behalf of Edgecombe County to present the results of the January 2009 monitoring event as required by § .600 and .1632 of the Solid Waste Rules.

The January 2009 monitoring event included sampling for groundwater quality from the following wells selected from the groundwater monitoring network:

Water Quality Monitoring Network
Groundwater Sampling Locations

Background Monitor Wells	Compliance Monitor Wells	
MW-3B	MW-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 2009 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.

Volatile organic compounds (VOCs) and inorganic constituents have been detected above North Carolina groundwater protection standards in groundwater samples collected from groundwater compliance monitoring points used to monitor the Edgecombe County Landfill. Previous statistical evaluation of the groundwater monitoring data indicated that a release of VOCs and inorganic constituents had occurred from the landfill. In accordance with NCDENR Division of Waste Management (DWM), Solid Waste Section (SWS) Solid Waste Rules defined under 15A NCAC 13B, S&ME has completed the

following activities on behalf of Edgecombe County in response to the detections of the VOC and inorganic constituents:

- Statistical analyses (January 2007) of semiannual water quality results of compliance well monitoring system in accordance with the facility's *Water Quality Monitoring Plan* (WQMP);
- Alternate Source Demonstration (ASD) study in accordance with Solid Waste Rules defined under 15A NCAC 13B.1633(c)(3) and .1634(g)(2);
- Nature and Extent Study (NES) prepared in accordance with Solid Waste Rules defined under 15A NCAC 13B.1634(g)(1);
- 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 2009 semiannual groundwater and surface water 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) and .1633 (Detection Monitoring Requirements).

2.0 JANUARY 2009 SAMPLING EVENT

On January 8, 2009, S&ME personnel conducted semiannual groundwater sampling at eleven monitoring 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**). Two surface water samples (labeled as upstream and downstream) were also collected from upstream and downstream locations on Jerry's Creek in this January 2009 sampling event. Discussion of field sampling methods and locations for the January 2009 groundwater and surface water sampling event are provided below. S&ME personnel performed sampling at the facility in general accordance with the Solid Waste Rules and the facility's WQMP, dated June 2008.

Prior to sampling the monitoring network, the monitor wells and piezometers listed in the WQMP network of points for groundwater elevation measurements were opened. The water level was allowed to equilibrate with atmospheric conditions in each well before gauging the liquid level. After approximately one-half hour, the depth to the static groundwater level in each groundwater gauging location was measured. The measurements were collected to enable the review the groundwater flow direction and estimate the hydraulic gradient at the site 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. Clean 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, a 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 Pine Environmental 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-5 for the purpose of Quality Control (QC). In addition, a trip blank and an equipment blank were also collected for QC. These results are included in **Table 2**.

Once the field parameters measured on the purged groundwater had stabilized, groundwater samples were collected directly from the pump tubing into clean containers provided by the laboratory. The surface water samples were collected directly from Jerry's Creek by dipping laboratory provided containers into the surface water. Once filled, the sample containers were sealed, labeled, and placed into an insulated container with ice. The samples were submitted under chain-of-custody protocols to Environmental Science Corporation, Inc. (ESC), a North Carolina-certified laboratory. ESC tested the samples for constituents listed in 40 CFR 258 Appendix I and several additional monitored natural attenuation (MNA) parameters. The results of analytical testing are discussed in **Section 4.1** and a summary of constituent concentrations are presented in **Table 1** and **Table 2**. A copy of the laboratory report is provided in **Appendix I**. A compact disk (CD) with an electronic copy of **Table 1** in Excel spreadsheet format (.xls) and an electronic copy of this report in portable document format (.pdf) are included in **Appendix II**.

3.0 SITE HYDROGEOLOGY

3.1 Groundwater Elevations and Flow Direction

The uppermost aquifer at the site is unconfined and is found in the silty sands of the Sunderland Formation. This aquifer is recharged by inflow from upgradient areas and by precipitation infiltration. The uppermost aquifer underlying the landfill is expected to discharge to the local surface water features including Jerry's Creek, the drainage features in the active landfill area, and the farm pond located in the southeast corner of the site. During flood conditions, the southwest perimeter trench and the farm pond may recharge the aquifer. The marine clay layer (Yorktown Formation) encountered at depths from approximately 8 to 24 feet below the original ground surface acts as an aquitard and semi-confining layer below the landfill.

Shallow monitoring wells and piezometers are installed in the surficial aquifer with the bottoms of the wells resting above, on, or penetrating the top of the Yorktown Formation. As previously discussed, static water levels in fifteen monitor wells and eleven piezometers of the site monitoring network were measured prior to sampling. Static water level is defined as the depth to water in a monitor well or piezometer measured from the top of casing (TOC). Static water levels for the monitoring network are presented in **Table 1**.

Static water level data were used to calculate the corresponding groundwater elevations based on surveyed TOC elevations. A groundwater potentiometric map was developed using the groundwater elevations (**Figure 2**). Based upon the surface elevations of the water table, 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 well sets of groundwater elevation data measured during the January 8, 2009 sampling event and by applying the following equation (Driscoll, 1986):

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

where:

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

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 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 h1 and h2 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 0.0199 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 day (ft/day)]
K = Hydraulic conductivity (ft/day)
i = Flow gradient as a ratio (ft/ft),
n = Effective soil porosity (percent)

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

The hydraulic conductivity values previously measured at the site ranged from 1.29×10^{-5} centimeters per second (cm/sec) to 3.65×10^{-4} cm/sec. An average hydraulic conductivity value of 5.95×10^{-5} cm/sec was used for calculating the site-wide flow velocity. The average hydraulic gradient of 0.0199 ft/ft, calculated from the three point solution described above was used as the site-wide average gradient. An effective porosity 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 for the site was approximately 8 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 AND SURFACE WATER QUALITY

In general accordance with the detection monitoring requirements described in § .1633 of the Solid Waste Rules, S&ME sampled three background and eight compliance groundwater monitor wells and surface water from Jerry's Creek at two established sampling locations (upstream and downstream) during the January 2009 sampling event. The samples were analyzed by ESC for constituents listed in the 40 CFR 258, Appendix I analyte list using the analytical methods that included EPA Method 6010B (cobalt) and Method 8260B (VOCs). Groundwater from selected compliance wells were also sampled for additional MNA parameter analyses; the test methods are listed in the ESC 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/surface water summary of compound detections is presented in **Table 2**. The chain-of-custody form and the laboratory reports from ESC are provided in **Appendix I**.

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

4.1 Groundwater Analytical Data

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

4.1.1 Compare Background and Compliance Detections to the SWSL

The analytical data was reviewed by comparing constituent detections in the background and compliance monitor wells to the SWSL. If the constituent concentration detected exceeds the SWSL in a compliance well, then the detection of the same constituent in background wells is reviewed. If the constituent is not present in the background wells, or

the concentration is lower in the background than in the compliance well, then data trends for the constituent detection in the well and/or statistical analysis of the detection are reviewed to evaluate if the change in concentrations represent a "statistically significant increase over the background" concentration for the constituent.

The following table summarizes the monitor well locations where eleven Appendix I constituents were detected at levels that are equal to or exceed the SWSL concentration in one or more samples in the January 2009 monitoring event:

January 2009 Groundwater Sampling Event
Appendix I Constituent Concentration Detected Equal to or Greater than SWSL

Background Monitor Wells	Appendix I Detected Constituents
MW-3B	**cobalt**
MW-4	**--**
MW-9	**--**
Compliance Monitor Wells	**Appendix I Detected Constituents**
MW-5	**benzene, chlorobenzene, 1,4-dichlorobenzene 1,1-dichloroethane, 1,2-dichloroethane, cis-1,2-dichloroethene, trans-1,2-dichloroethene, trichloroethene, vinyl chloride, cobalt**
MW-6	**--**
MW-7A	**benzene, chlorobenzene, 1,4-dichlorobenzene, vinyl chloride***
MW-12	**benzene, chlorobenzene, 1,4-dichlorobenzene, vinyl chloride*, cobalt**
MW-13	**benzene, chlorobenzene, 1,4-dichlorobenzene, cis-1,2-dichloroethene, vinyl chloride, cobalt**
MW-14	**--**
MW-15	**cis-1,2-dichloroethene, 1,2-dichloropropane, vinyl chloride**
MW-16	**--**

-- = No Appendix I constituent concentrations were detected above SWSL
* = Constituent detected below SWSL, but above 2L Standard

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 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. Since no VOCs were detected in the background groundwater samples, a review of the data trends and/or statistical analysis for the constituent concentrations at the compliance wells with a SWSL exceedance was performed to evaluate if the change in concentrations represent a "statistically significant increase over the background" concentrations for the constituents.

Inorganic Compounds

Cobalt was detected in the groundwater sampled from background well MW-3B as well as in the groundwater from compliance wells MW-5, MW-12 and MW-13. Since cobalt was detected in a background groundwater sample, a review of the cobalt concentration in the compliance well was compared to the background concentration. If the cobalt concentration detected in the compliance well was above the background concentration, as in MW-5 and MW-13, then the data trends or statistical analysis for the cobalt concentrations exceeding the SWSL were performed. The data trend or statistical analysis was used to evaluate if the change in cobalt concentrations represents a "statistically significant increase over the background" concentration for cobalt.

4.1.2 Compare Background and Compliance Detections to Standards

The analytical data was reviewed by comparing constituent detections in the background and compliance monitor wells to the 2L Standard or GWPST. If the constituent concentration detected exceeds the 2L Standard or GWPST in a compliance well, then the detection of the same constituents in background wells is reviewed. If the constituent is not present in the background wells, or the concentration is lower in the background than in the compliance well, then data trends for the constituent detection in the well and/or statistical analysis of the detection, and/or an alternate source demonstration is performed to evaluate the necessity to implement an Assessment Monitoring Program in general accordance with § .1634 of the Solid Waste Rules.

The following table summarizes the monitor well locations where eight Appendix I constituents were detected above the **2L Standard or GWPST** (presented in **Table 2**) in one or more samples in the January 2009 monitoring event:

January 2009 Groundwater Sampling Event
Appendix I Constituent Concentration Detected Above 2L Standard or GWPST

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

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

No Appendix I VOC or inorganic compound concentrations were detected by USEPA Method 8260B or 6010B, respectively, 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 from the downgradient compliance monitor wells MW-6, MW-14, and MW-16. Constituent concentrations were detected above their respective 2L Standard or GWPST in groundwater sampled from monitor wells MW-5, MW-7A, MW-12, MW-13, and MW-15.

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, 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.

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 Method Detection Limit (MDL). If the constituent concentration is detected above the MDL in a background or compliance well, then the concentration is used to assess and delineate the same constituent that has been identified with a statistically significant increase over background or 2L Standard/GWPST violation in another compliance well location. Sixteen Appendix I constituents (summarized in **Table 2**) were detected above the MDL in one or more groundwater samples in the January 2009 monitoring event.

4.1.4 Geochemical / Monitored Natural Attenuation (MNA) Parameters

Groundwater samples were analyzed for geochemical and monitored natural attenuation (MNA) parameters in downgradient compliance monitor wells MW-5, MW-6, MW-7A, MW-13, and MW-16. 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 from compliance wells, plus field parameters measured at the background and compliance monitor wells sampled, 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 2009 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 (ie. PCE, TCE and Hydrocarbons) present in landfill leachate. Elevated groundwater temperature may be an indicator in some monitor wells of increased biological activity sometimes observed near or downgradient to a release source area at incident sites. The

groundwater temperature in background well MW-4 was 14.14 degrees Celsius (C). Based on temperature, biological activity may be elevated in the aquifer monitored by MW-3B, MW-9, MW-5, MW-7A and MW-13 where temperatures were above 15 degrees C. Low ORP measurements often indicate a reducing environment. Compared to background monitor wells, ORP readings were lower than background in MW-5, MW-7A, MW-13, MW-14, MW-15 and MW-16. Dissolved oxygen (DO) concentrations that are less than 1 mg/L indicate anaerobic conditions in the aquifer. Low DO measurements were observed in MW-6, MW-12, MW-13, and MW-16. From the field parameter measurements, a reducing anaerobic environment appears to be present near and downgradient to sources of petroleum and chlorinated solvents.

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 chloride and alkalinity values compared to upgradient or background sample measurements. In addition, monitor well MW-5 is the only sample location in the January 2009 event that had low levels of PCE and TCE detected. The groundwater sample from this same well had daughter compound concentrations from the reduction of PCE and TCE that were not limited to 1,1 DCA, cis-1,2-DCE, trans-1,2-DCE, and VC, as well as compounds indicative of hydrocarbon degradation that were not limited to benzene, toluene, chlorobenzene, chloroethane, 1,2-dichloroenzene and 1,4-dichlorobenzene. Similarly, low levels of chlorinated daughter compounds and hydrocarbons were also detected in wells MW-7A, MW-12, MW-13, and MW-15. Chloride is a metabolic byproduct of the total reduction of chlorinated solvents. Chloride concentrations were detected in the samples collected from MW-5, MW-6, MW-7A, MW-13, and MW-16.

Further analyses for the geochemical parameters from the sampled wells in the network will be necessary to review concentrations and evaluate aquifer zones influenced by naturally occurring biological degradation.

In addition to the Appendix I VOCs, cobalt, and MNA analyses during the January 2009 monitoring event, ESC reported results for mercury (an Appendix II constituent). Mercury concentrations were not detected in the groundwater samples collected during the January 2009 sampling event.

4.1.5 Quality Control

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

The concentrations of the Appendix I VOCs, the inorganic constituent cobalt, and MNA parameters, with exception for BOD, detected in the record and in the duplicate sample collected from monitor well MW-5 were within an acceptable tolerance level and indicate a suitable replication of results from the test procedures. BOD was only detected in the duplicate sample collected from monitor well MW-5 and not in the record sample collected from MW-5. The BOD results from the record and duplicate sample analyses (<1600 µg/L reported for the record sample and 5900 µg/L detected in the duplicate sample) also fall within an acceptable tolerance level and indicate a suitable replication of results from the test procedures.

Alkalinity, COD, TOC, calcium, magnesium, and sodium were detected in the equipment blank sample; therefore, these analyte concentrations are not suitable for regulatory comparison in the record samples. No other constituents were detected in the equipment blank sample.

No constituent concentrations were detected in the trip blank sample. It is important to note that the laboratory MDLs for 1,2-dichloropropane (0.52 µg/L) and vinyl chloride (0.27µg/L) for groundwater samples are greater than the 2L Standards of 0.51 and 0.015 µg/L, respectively. Therefore, 1, 2-dichloropropane or vinyl chloride may have been present at concentrations above the 2L Standards, but were reported as being below the MDL.

4.2 Surface Water Analytical Data

Cis-1,2-dichloroethene (0.5 µg/L) was detected at a concentration that was below the SWSL of 5 µg/L and below the 2L Standard of 70 µg/L in the downstream surface water sampling location in Jerry's Creek. No other Appendix I VOCs were detected in the surface water samples collected from the upstream and downstream sampling locations.

The inorganic compound cobalt was detected above the MDL in the upstream and downstream surface water samples, but below the SWSL and below the surface water standard listed in 15A NCAC, Subchapter 2B, 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**.

5.0 DISCUSSION OF GROUNDWATER DETECTIONS

As discussed in Section 4.0, the following 16 individual Appendix I constituents were detected during the January 2009 monitoring event:

January 2009 Groundwater Sampling Event
Appendix I Constituent Concentration Detected Above MDL

Background Monitor Wells	Appendix I Detected Constituents
MW-3B	cobalt
MW-4	--
MW-9	--
Compliance Monitor Wells	**Appendix I Detected Constituents**
MW-5	benzene, chlorobenzene, chloroethane, 1,2-dichlorobenzene, 1,4-dichlorobenzene 1,1-dichloroethane, 1,2-dichloroethane, 1,1-dichloroethene, cis-1,2-dichloroethene, trans-1,2-dichloroethene, tetrachloroethene, toluene, trichloroethene, vinyl chloride, cobalt
MW-6	cobalt
MW-7A	benzene, chlorobenzene, chloroethane, 1,4-dichlorobenzene, cis-1,2-dichloroethene, vinyl chloride, cobalt
MW-12	benzene, chlorobenzene, chloroethane, 1,4-dichlorobenzene, 1,1-dichloroethane, cis-1,2-dichloroethene, vinyl chloride, cobalt
MW-13	benzene, chlorobenzene, 1,4-dichlorobenzene, 1,1-dichloroethane, cis-1,2-dichloroethene, trans-1,2-dichloroethene, trichloroethene, vinyl chloride, cobalt
MW-14	--
MW-15	benzene, chlorobenzene, 1,1-dichloroethane, cis-1,2-dichloroethene, trans-1,2-dichloroethene, 1,2-dichloropropane, trichloroethene, vinyl chloride, cobalt
MW-16	Cobalt

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

As required by Sections .1632, .1633, and .1634 of the Solid Waste Rules and the facility's WQMP (S&ME, 2008), statistical analyses were applied to these analytical results. Those analytes detected during the January 2009 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 2009 detections at the Edgecombe County Landfill facility includes 32 groundwater sampling events completed between September 1994 and January 2009. 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. Monitor wells MW-12, MW-13, MW-14, MW-15, and MW-16 were installed in August 2008 and sampled for the first time during the January 2009

sampling event. Analytical data must be collected for at least four consecutive monitoring events from monitor wells MW-12 through MW-16, before statistical analyses can be used to characterize these wells. Therefore, statistical summaries described in the following section only address results for three of the eight compliance wells currently used to monitor water quality at the facility: MW-5, MW-6 and MW-7A.

5.1 Statistical Analysis

Analyses of historical data provided insight into the dynamics of the analytes detected during the January 2009 monitoring event. By using a larger array of data, S&ME was able to apply statistical procedures to evaluate trends in groundwater quality. This statistical evaluation used a step-wise approach to identify potential releases from the landfill.

Evaluation of Non-Detected Values

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

Results of the Wilcoxon Rank-Sum Test

The application of the Wilcoxon Rank-Sum Test (WRST) was the second step in the statistical analyses. Due to the large number of non-detected values, the WRST, a non-parametric statistical analysis, was used to compare individual down-gradient or compliance wells to the up-gradient or background well group. This analysis was performed on data sets of VOCs and one inorganic constituent (cobalt). 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 2009 is summarized in **Table 5**. The analysis report generated by the ChemStat® statistical software is included on a compact disc (CD) in **Appendix IV** of this report.

Evidence of a release from the landfill was found for several Appendix I VOCs and the inorganic constituent cobalt. Statistical evidence of a release is supported by the reported detections of VOCs and/or cobalt in compliance wells MW-5, MW-6, and MW-7A.

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
1,1-Dichloroethane
cis-1,2-Dichlorethene
Trichloroethene
Cobalt*

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

The analysis report generated by the ChemStat® statistical software is included on a CD in **Appendix IV** of this report.

5.2 Qualitative Groundwater Review of Analytical Results

For those analytes detected during the January 2009 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. Data entry and analysis was performed using the ChemStat® statistical software by Starpoint Software. The January 2009 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, and MW-7A are graphical representations of data trends over time and are included in **Appendix V** of this report. These time series graphs are of groundwater quality for those chemical constituents that; 1) were detected during the January 2009 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 2009 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. **Appendix IV** includes the analysis report generated by the ChemStat® statistical software.

Monitoring Well MW-5

In monitor well MW-5, the 95% UPL exceeds the respective groundwater standards for four Appendix I constituents and one inorganic constituent (benzene, 1,1-dichloroethane, cis-1,2-dichloroethene, trichloroethene, and cobalt). A review of the trend graphs (see **Appendix V**) for two of the VOCs (1,1-dichloroethane and trichloroethene) show a trend of decreasing concentrations over time. The trend graphs for one 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 graph shows no evident trend for benzene 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 benzene concentrations in monitor well MW-5.

Monitoring Well MW-6

No Appendix I constituents were detected in monitor well MW-6 above their respective SWSLs during the January 2009 sampling event. However, statistical analyses of historical data indicate that the 95% UPL exceeds the respective groundwater standard for one Appendix I constituent (1,1-dichloroethane) in compliance well MW-6. Review of the time series data graph shows no evident trend for 1,1-dichloroethane 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 trend for 1,1-dichloroethane. Results of trend analyses are included in **Table 7**. The time series graph for 1,1-dichloroethane concentrations in compliance well MW-6 is included in **Appendix V**.

Monitoring Well MW-7A

Three Appendix I VOCs including benzene, chlorobenzene, and 1,4-dichlorobenzene were detected in monitor well MW-7A above their respective SWSLs during the January 2009 sampling event. Chlorobenzene and 1,4-dichlorobenzene have been detected sporadically over time, and the 95% UPLs for these detections at the facility do not exceed their respective groundwater standards. Therefore, no trend analyses were performed for these constituents detected at monitor well MW-7A.

The 95% UPL exceeds the respective groundwater standard for benzene concentrations in compliance well MW-7A. Also, statistical analyses of historical data indicate that the 95% UPL exceeds the respective groundwater standard for one additional Appendix I VOC (cis-1,2-dichloroethene) in compliance well MW-7A. A review of the time series data graphs show no evident trend for benzene and cis-1,2-dichloroethene 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 or cis-1,2-dichloroethene concentrations in monitor well MW-7A.

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

5.3 Previous Investigation and Selected Remedy for Corrective Measures

Investigations relevant to the constituents detected during detection monitoring were performed to delineate the area impacted by potential constituents of concern (COCs). The findings of the investigation to delineate the potential COCs are summarized in the NES report (S&ME, June 2008). Potential COCs were further reviewed through an Alternate Source Demonstration (ASD) study (S&ME, June 2008). The ASD ruled out potential COCs that were likely found naturally in the environment on-site.

Based on the NES and ASD, the Assessment of Corrective Measures (ACM) report (S&ME, June 2008) was prepared to evaluate feasible technologies to remediate COCs documented in the NES. Based on the feasibility study of the ACM, a remedy for corrective measures was selected and described in a formal Corrective Action Plan (CAP) (S&ME, June 2008). The proposed remedy will utilize a hydraulic barrier, improvements to the landfill cap, and monitored natural attenuation.

6.0 CONCLUSIONS AND RECOMMENDATIONS

S&ME performed semiannual sampling at the Edgecombe County Landfill in Tarboro, North Carolina. During the January 2009 sampling event, groundwater elevations were calculated from water levels measured in approximately 34 points in the monitoring network described in the WQMP. Groundwater samples were collected from three background (upgradient) monitor wells, eight compliance (downgradient) monitor wells, and two surface water samples (one upstream and one downstream) collected from Jerry's Creek.

6.1 Summary of January 2009 Sampling Event

- Based on the water table elevations and calculated potentiometric surface, the groundwater flow direction within the surficial aquifer was estimated to be toward the north-northeast with an average hydraulic gradient of 0.0199 ft/ft. The average groundwater flow velocity for the site is approximately 8 ft/yr.

- Constituent concentrations of eleven Appendix I analytes were detected at concentrations that exceeded their respective SWSLs. Cobalt was detected in the upgradient (background) sample collected from the monitor well MW-3B at a concentration above the respective SWSL for cobalt. A review of the data trends and/or statistical analysis for the constituent concentrations at the compliance wells with a SWSL exceedance was performed to evaluate if the change in concentrations represent a "statistically significant increase over the background" concentrations for the constituents.

- Five analytes detected during the January 2009 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, 1,1-dichloroethane, cis-1,2-dichloroethene, trichloroethene, and cobalt. A trend analysis of these five constituents shows the following trends:

  - No trend was evident for benzene concentrations over time in monitor wells MW-5 or MW-7A.
  - No trend was evident for 1,1-dichloroethane concentrations in monitor well MW-6. Concentrations of 1,1-dichloroethane show a trend of decreasing concentration over time in monitor well MW-5.
  - Cis-1,2-dichloroethene concentrations show an increasing concentration trend over time in monitor well MW-5 and no evidence of a trend in monitor well MW-7A.
  - Trichloroethene has a trend of decreasing concentration over time in monitor well MW-5.
  - Cobalt concentrations show an increasing trend over time in monitor well MW-5.

- Eight Appendix I constituents: benzene, 1,4-dichlorobenzene, 1,2-dichloroethane, cis-1,2-dichloroethene, 1,2-dichloropropane, trichloroethene, vinyl chloride, and cobalt were detected at concentrations that exceeded groundwater 2L Standards or GWPSTs.

Monitor wells with one or more constituent concentration above the standards included MW-5, MW-7A, MW-12. MW-13 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.

- 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 2009 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 proposed CAP included a revised WQMP which was approved by NCDENR. The applicable sampling and analysis requirements described in the revised WQMP should be implemented during the next semiannual sampling event scheduled in July 2009. 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, NCDENR-DWM SWS recommends that semiannual sampling be continued at the site for select 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.

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

7.0 REFERENCES

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

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

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

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S&ME, Inc., *Corrective Action Plan, Edgecombe County Landfill*, June 30, 2008.

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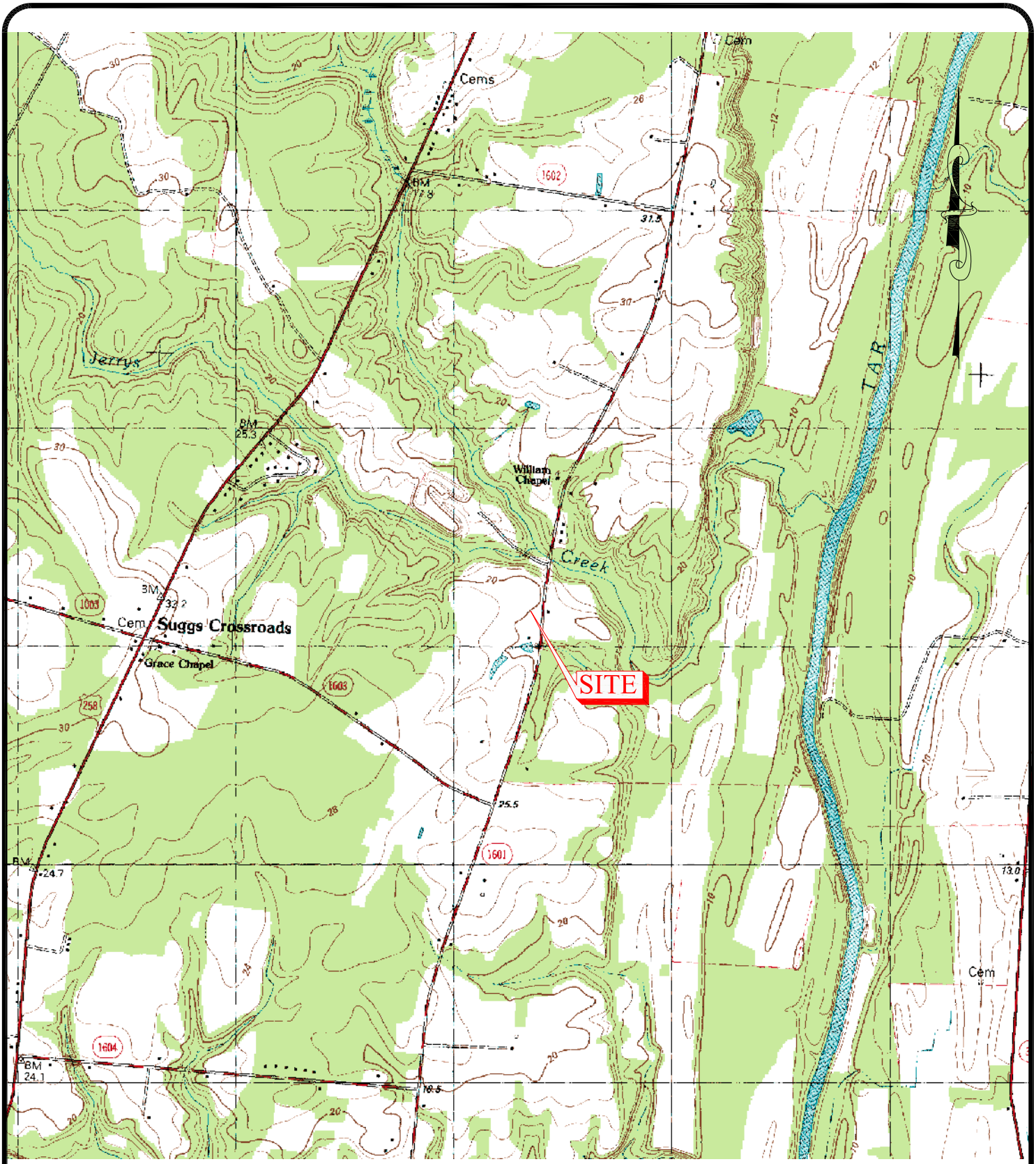
S&ME, Inc, *Revision to the Sampling and Analysis Plan (SAP) Edgecombe County Landfill*, November 9, 1998.

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

FIGURES

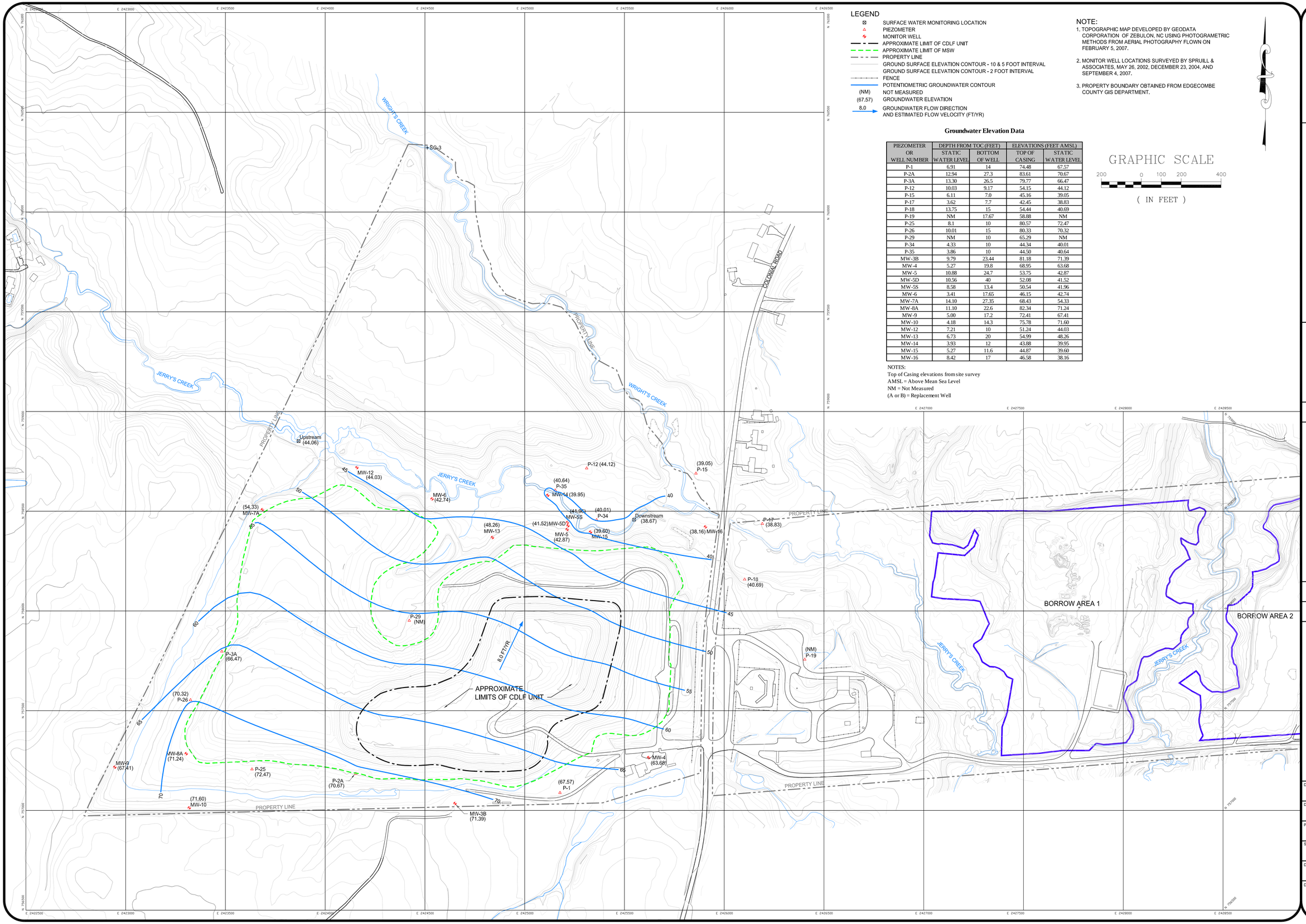


TOPO SOURCE: NCGS DRG
OLD SPARTA, NC (035077G5) DATED 1981

A-1204

SCALE: 1" = 2,000'	S&ME WWW.SMEINC.COM	VICINITY MAP	FIGURE NO.
DATE: FEB. 2009		JAN. 8, 2009 ENV. COMPLIANCE MONITORING EDGECOMBE COUNTY LANDFILL TARBORO, NORTH CAROLINA	1
DRAWN BY:			
PROJECT NO: 1054-07-238A			

S:\PROJECTS\2007\07-238A Edgecombe - Environmental Monitoring 2008-2009\CAD\A1204.dwg, A1204, 3/4/2009 4:00:59 PM, 1:1



LEGEND

- SURFACE WATER MONITORING LOCATION
- PIEZOMETER
- MONITOR WELL
- APPROXIMATE LIMIT OF CDLF UNIT
- APPROXIMATE LIMIT OF MSW
- PROPERTY LINE
- GROUND SURFACE ELEVATION CONTOUR - 10 & 5 FOOT INTERVAL
- GROUND SURFACE ELEVATION CONTOUR - 2 FOOT INTERVAL
- FENCE
- POTENTIOMETRIC GROUNDWATER CONTOUR
- (NM) NOT MEASURED
- (67.57) GROUNDWATER ELEVATION
- 8.0 GROUNDWATER FLOW DIRECTION AND ESTIMATED FLOW VELOCITY (FT/YR)

NOTE:

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

GRAPHIC SCALE

200 0 100 200 400

(IN FEET)

Groundwater Elevation Data

PIEZOMETER OR WELL NUMBER	DEPTH FROM TOC (FEET)		ELEVATIONS (FEET AMSL)	
	STATIC WATER LEVEL	BOTTOM OF WELL	TOP OF CASING	STATIC WATER LEVEL
P-1	6.91	14	74.48	67.57
P-2A	12.94	27.3	83.61	70.67
P-3A	13.30	26.5	79.77	66.47
P-12	10.03	9.17	54.15	44.12
P-15	6.11	7.0	45.16	39.05
P-17	3.62	7.7	42.45	38.83
P-18	13.75	15	54.44	40.69
P-19	NM	17.67	58.88	NM
P-25	8.1	10	80.57	72.47
P-26	10.01	15	80.33	70.32
P-29	NM	10	65.29	NM
P-34	4.33	10	44.34	40.01
P-35	3.86	10	44.50	40.64
MW-3B	9.79	23.44	81.18	71.39
MW-4	5.27	19.8	68.95	63.68
MW-5	10.88	24.7	53.75	42.87
MW-5D	10.56	40	52.08	41.52
MW-5S	8.58	13.4	50.54	41.96
MW-6	3.41	17.65	46.15	42.74
MW-7A	14.10	27.35	68.43	54.33
MW-8A	11.10	22.6	82.34	71.24
MW-9	5.00	17.2	72.41	67.41
MW-10	4.18	14.3	75.78	71.60
MW-12	7.21	10	51.24	44.03
MW-13	6.73	20	54.99	48.26
MW-14	3.93	12	43.88	39.95
MW-15	5.27	11.6	44.87	39.60
MW-16	8.42	17	46.58	38.16

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

S&ME
WWW.SMEINC.COM

NO.	DATE	DESCRIPTION	BY

GROUNDWATER POTENTIOMETRIC MAP
JANUARY 8, 2009
ENVIRONMENTAL COMPLIANCE MONITORING

EDGECOMBE COUNTY LANDFILL
TARBORO, NORTH CAROLINA

DRAWN BY: BTR	CHECKED BY:
DESIGNED BY:	APPROVED BY:
PROJECT NUMBER: 1054-07-238A	
SCALE: 1" = 200'	DATE: FEB. 2009
DRAWING NUMBER: D-1065	
DRAWING: 2	OF: 2

TABLES

Table 1 (Submitted Electronically)
Groundwater Elevation Data, Field Parameters, and
Laboratory Analysis Summary
Edgecombe County Landfill
January 8, 2009
S&ME Project No. 1054-07-238A

Facility Permit	Well ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifier	Method	MDL	SWSL	Dilution Factor	Collection Date	Extraction Date	Analysis Date
33-01	3301-P-1		318	Depth To Water	6.91	ft						1/8/2009		
33-01	3301-P-1		411	Total Well Depth	NM	ft						1/8/2009		
33-01	3301-P-1		328	TOC Elevation	74.48	ft AMSL						1/8/2009		
33-01	3301-P-1		319	Groundwater Elevation	67.57	ft AMSL						1/8/2009		
33-01	3301-P-2A		318	Depth To Water	12.94	ft						1/8/2009		
33-01	3301-P-2A		411	Total Well Depth	27.50	ft						1/8/2009		
33-01	3301-P-2A		328	TOC Elevation	83.61	ft AMSL						1/8/2009		
33-01	3301-P-2A		319	Groundwater Elevation	70.67	ft AMSL						1/8/2009		
33-01	3301-P-3A		318	Depth To Water	13.30	ft						1/8/2009		
33-01	3301-P-3A		411	Total Well Depth	27.50	ft						1/8/2009		
33-01	3301-P-3A		328	TOC Elevation	79.77	ft AMSL						1/8/2009		
33-01	3301-P-3A		319	Groundwater Elevation	66.47	ft AMSL						1/8/2009		
33-01	3301-P-12		318	Depth To Water	10.03	ft						1/8/2009		
33-01	3301-P-12		411	Total Well Depth	9.17	ft						1/8/2009		
33-01	3301-P-12		328	TOC Elevation	54.15	ft AMSL						1/8/2009		
33-01	3301-P-12		319	Groundwater Elevation	44.12	ft AMSL						1/8/2009		
33-01	3301-P-15		318	Depth To Water	6.11	ft						1/8/2009		
33-01	3301-P-15		411	Total Well Depth	7.00	ft						1/8/2009		
33-01	3301-P-15		328	TOC Elevation	45.16	ft AMSL						1/8/2009		
33-01	3301-P-15		319	Groundwater Elevation	39.05	ft AMSL						1/8/2009		
33-01	3301-P-17		318	Depth To Water	3.62	ft						1/8/2009		
33-01	3301-P-17		411	Total Well Depth	7.70	ft						1/8/2009		
33-01	3301-P-17		328	TOC Elevation	42.45	ft AMSL						1/8/2009		
33-01	3301-P-17		319	Groundwater Elevation	38.83	ft AMSL						1/8/2009		
33-01	3301-P-18		318	Depth To Water	13.75	ft						1/8/2009		
33-01	3301-P-18		411	Total Well Depth	15.00	ft						1/8/2009		
33-01	3301-P-18		328	TOC Elevation	54.44	ft AMSL						1/8/2009		
33-01	3301-P-18		319	Groundwater Elevation	40.69	ft AMSL						1/8/2009		
33-01	3301-P-25		318	Depth To Water	8.10	ft						1/8/2009		
33-01	3301-P-25		411	Total Well Depth	10.00	ft						1/8/2009		
33-01	3301-P-25		328	TOC Elevation	80.57	ft AMSL						1/8/2009		
33-01	3301-P-25		319	Groundwater Elevation	72.47	ft AMSL						1/8/2009		
33-01	3301-P-26		318	Depth To Water	10.01	ft						1/8/2009		
33-01	3301-P-26		411	Total Well Depth	15.00	ft						1/8/2009		
33-01	3301-P-26		328	TOC Elevation	80.33	ft AMSL						1/8/2009		
33-01	3301-P-26		319	Groundwater Elevation	70.32	ft AMSL						1/8/2009		
33-01	3301-P-34		318	Depth To Water	4.33	ft						1/8/2009		
33-01	3301-P-34		411	Total Well Depth	10.00	ft						1/8/2009		
33-01	3301-P-34		328	TOC Elevation	44.34	ft AMSL						1/8/2009		
33-01	3301-P-34		319	Groundwater Elevation	40.01	ft AMSL						1/8/2009		
33-01	3301-P-35		318	Depth To Water	3.86	ft						1/8/2009		
33-01	3301-P-35		411	Total Well Depth	10.00	ft						1/8/2009		
33-01	3301-P-35		328	TOC Elevation	44.50	ft AMSL						1/8/2009		
33-01	3301-P-35		319	Groundwater Elevation	40.64	ft AMSL						1/8/2009		
33-01	3301-MW-3B		318	Depth To Water	9.79	ft						1/8/2009		
33-01	3301-MW-3B		411	Total Well Depth	23.44	ft						1/8/2009		
33-01	3301-MW-3B		328	TOC Elevation	81.18	ft AMSL						1/8/2009		
33-01	3301-MW-3B		319	Groundwater Elevation	71.39	ft AMSL						1/8/2009		
33-01	3301-MW-3B		320	pH	4.67	standard units						1/8/2009		
33-01	3301-MW-3B		323	Specific Conductivity	0.167	mS/cm						1/8/2009		
33-01	3301-MW-3B		325	Temperature	15.25	ºC						1/8/2009		
33-01	3301-MW-3B		330	Turbidity	0.10	NTUs						1/8/2009		
33-01	3301-MW-3B	630-20-6	190	1,1,1,2-Tetrachloroethane	0.4	ug/l	U	8260B	0.4	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-3B	71-55-6	200	1,1,1-Trichloroethane	0.27	ug/l	U	8260B	0.27	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-3B	79-34-5	191	1,1,2,2-Tetrachloroethane	0.22	ug/l	U	8260B	0.22	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-3B	79-00-5	202	1,1,2-Trichloroethane	0.45	ug/l	U	8260B	0.45	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-3B	75-34-3	75	1,1-Dichloroethane	0.31	ug/l	U	8260B	0.31	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-3B	75-35-4	77	1,1-Dichloroethene	0.5	ug/l	U	8260B	0.5	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-3B	96-18-4	206	1,2,3-Trichloropropane	0.36	ug/l	U	8260B	0.36	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-3B	96-12-8	67	1,2-Dibromo-3-Chloropropane	0.48	ug/l	U	8260B	0.48	13	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-3B	106-93-4	68	1,2-Dibromoethane	0.48	ug/l	U	8260B	0.48	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-3B	95-50-1	69	1,2-Dichlorobenzene	0.29	ug/l	U	8260B	0.29	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-3B	107-06-2	76	1,2-Dichloroethane	0.27	ug/l	U	8260B	0.27	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-3B	78-87-5	82	1,2-Dichloropropane	0.52	ug/l	U	8260B	0.52	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-3B	106-46-7	71	1,4-Dichlorobenzene	0.3	ug/l	U	8260B	0.3	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-3B	78-93-3	141	2-Butanone (MEK)	4.5	ug/l	U	8260B	4.5	100	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-3B	591-78-6	124	2-Hexanone	1.6	ug/l	U	8260B	1.6	50	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-3B	108-10-1	147	4-Methyl-2-pentanone (MIBK)	1.4	ug/l	U	8260B	1.4	100	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-3B	67-64-1	3	Acetone	8.9	ug/l	U	8260B	8.9	100	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-3B	107-13-1	8	Acrylonitrile	1.7	ug/l	U	8260B	1.7	200	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-3B	71-43-2	16	Benzene	0.29	ug/l	U	8260B	0.29	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-3B	74-97-5	28	Bromochloromethane	0.44	ug/l	U	8260B	0.44	3	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-3B	75-27-4	29	Bromodichloromethane	0.37	ug/l	U	8260B	0.37	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-3B	75-25-2	30	Bromoform	0.51	ug/l	U	8260B	0.51	3	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-3B	74-83-9	136	Bromomethane	0.89	ug/l	U	8260B	0.89	10	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-3B	75-15-0	35	Carbon disulfide	0.32	ug/l	U	8260B	0.32	100	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-3B	56-23-5	36	Carbon tetrachloride	0.31	ug/l	U	8260B	0.31	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-3B	108-90-7	39	Chlorobenzene	0.26	ug/l	U	8260B	0.26	3	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-3B	124-48-1	66	Chlorodibromomethane	0.42	ug/l	U	8260B	0.42	3	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-3B	75-00-3	41	Chloroethane	0.86	ug/l	U	8260B	0.86	10	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-3B	67-66-3	44	Chloroform	0.33	ug/l	U	8260B	0.33	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-3B	74-87-3	137	Chloromethane	0.25	ug/l	U	8260B	0.25	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-3B	156-59-2	78	cis-1,2-Dichloroethene	0.38	ug/l	U	8260B	0.38	5	1	1/8/2009	1/11/2009	1/11/2009

33-01	3301-MW-3B	10061-01-5	86	cis-1,3-Dichloropropene	0.26	ug/l	U	8260B	0.26	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-3B	7440-48-4	53	Cobalt	26	ug/l		6010B	1.1	10	1	1/8/2009	1/9/2009	1/11/2009
33-01	3301-MW-3B	74-95-3	139	Dibromomethane	0.28	ug/l	U	8260B	0.28	10	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-3B	100-41-4	110	Ethylbenzene	0.22	ug/l	U	8260B	0.22	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-3B	74-88-4	142	Iodomethane	2.6	ug/l	U	8260B	2.6	10	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-3B	75-09-2	140	Methylene Chloride	0.3	ug/l	U	8260B	0.3	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-3B	100-42-5	186	Styrene	0.38	ug/l	U	8260B	0.38	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-3B	127-18-4	192	Tetrachloroethene	0.29	ug/l	U	8260B	0.29	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-3B	108-88-3	196	Toluene	0.27	ug/l	U	8260B	0.27	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-3B	156-60-5	79	trans-1,2-Dichloroethene	0.3	ug/l	U	8260B	0.3	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-3B	10061-02-6	87	trans-1,3-Dichloropropene	0.24	ug/l	U	8260B	0.24	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-3B	110-57-6	73	trans-1,4-Dichloro-2-butene	0.85	ug/l	U	8260B	0.85	100	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-3B	79-01-6	201	Trichloroethene	0.37	ug/l	U	8260B	0.37	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-3B	75-69-4	203	Trichlorofluoromethane	0.29	ug/l	U	8260B	0.29	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-3B	108-05-4	210	Vinyl acetate	1	ug/l	U	8260B	1	50	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-3B	75-01-4	211	Vinyl chloride	0.27	ug/l	U	8260B	0.27	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-3B	1330-20-7	346	Xylenes, Total	0.86	ug/l	U	8260B	0.86	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-4		318	Depth To Water	5.27	ft						1/8/2009		
33-01	3301-MW-4		411	Total Well Depth	19.86	ft						1/8/2009		
33-01	3301-MW-4		328	TOC Elevation	68.95	ft AMSL						1/8/2009		
33-01	3301-MW-4		319	Groundwater Elevation	63.68	ft AMSL						1/8/2009		
33-01	3301-MW-4		320	pH	6.45	standard units						1/8/2009		
33-01	3301-MW-4		323	Specific Conductivity	0.137	mS/cm						1/8/2009		
33-01	3301-MW-4		325	Temperature	14.14	ºC						1/8/2009		
33-01	3301-MW-4		330	Turbidity	9.80	NTUs						1/8/2009		
33-01	3301-MW-4	630-20-6	190	1,1,1,2-Tetrachloroethane	0.4	ug/l	U	8260B	0.4	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-4	71-55-6	200	1,1,1-Trichloroethane	0.27	ug/l	U	8260B	0.27	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-4	79-34-5	191	1,1,2,2-Tetrachloroethane	0.22	ug/l	U	8260B	0.22	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-4	79-00-5	202	1,1,2-Trichloroethane	0.45	ug/l	U	8260B	0.45	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-4	75-34-3	75	1,1-Dichloroethane	0.31	ug/l	U	8260B	0.31	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-4	75-35-4	77	1,1-Dichloroethene	0.5	ug/l	U	8260B	0.5	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-4	96-18-4	206	1,2,3-Trichloropropane	0.36	ug/l	U	8260B	0.36	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-4	96-12-8	67	1,2-Dibromo-3-Chloropropane	0.48	ug/l	U	8260B	0.48	13	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-4	106-93-4	68	1,2-Dibromoethane	0.48	ug/l	U	8260B	0.48	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-4	95-50-1	69	1,2-Dichlorobenzene	0.29	ug/l	U	8260B	0.29	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-4	107-06-2	76	1,2-Dichloroethane	0.27	ug/l	U	8260B	0.27	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-4	78-87-5	82	1,2-Dichloropropane	0.52	ug/l	U	8260B	0.52	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-4	106-46-7	71	1,4-Dichlorobenzene	0.3	ug/l	U	8260B	0.3	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-4	78-93-3	141	2-Butanone (MEK)	4.5	ug/l	U	8260B	4.5	100	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-4	591-78-6	124	2-Hexanone	1.6	ug/l	U	8260B	1.6	50	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-4	108-10-1	147	4-Methyl-2-pentanone (MIBK)	1.4	ug/l	U	8260B	1.4	100	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-4	67-64-1	3	Acetone	8.9	ug/l	U	8260B	8.9	100	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-4	107-13-1	8	Acrylonitrile	1.7	ug/l	U	8260B	1.7	200	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-4	71-43-2	16	Benzene	0.29	ug/l	U	8260B	0.29	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-4	74-97-5	28	Bromochloromethane	0.44	ug/l	U	8260B	0.44	3	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-4	75-27-4	29	Bromodichloromethane	0.37	ug/l	U	8260B	0.37	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-4	75-25-2	30	Bromoform	0.51	ug/l	U	8260B	0.51	3	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-4	74-83-9	136	Bromomethane	0.89	ug/l	U	8260B	0.89	10	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-4	75-15-0	35	Carbon disulfide	0.32	ug/l	U	8260B	0.32	100	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-4	56-23-5	36	Carbon tetrachloride	0.31	ug/l	U	8260B	0.31	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-4	108-90-7	39	Chlorobenzene	0.26	ug/l	U	8260B	0.26	3	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-4	124-48-1	66	Chlorodibromomethane	0.42	ug/l	U	8260B	0.42	3	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-4	75-00-3	41	Chloroethane	0.86	ug/l	U	8260B	0.86	10	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-4	67-66-3	44	Chloroform	0.33	ug/l	U	8260B	0.33	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-4	74-87-3	137	Chloromethane	0.25	ug/l	U	8260B	0.25	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-4	156-59-2	78	cis-1,2-Dichloroethene	0.38	ug/l	U	8260B	0.38	5	1	1/8/2009	1/11/2009	1/11/2009
33-01	3301-MW-4	10061-01-5	86	cis-1,3-Dichloropropene	0.26	ug/l	U	8260B	0.26	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-4	7440-48-4	53	Cobalt	1.1	ug/l	U	6010B	1.1	10	1	1/8/2009	1/9/2009	1/11/2009
33-01	3301-MW-4	74-95-3	139	Dibromomethane	0.28	ug/l	U	8260B	0.28	10	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-4	100-41-4	110	Ethylbenzene	0.22	ug/l	U	8260B	0.22	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-4	74-88-4	142	Iodomethane	2.6	ug/l	U	8260B	2.6	10	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-4	75-09-2	140	Methylene Chloride	0.3	ug/l	U	8260B	0.3	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-4	100-42-5	186	Styrene	0.38	ug/l	U	8260B	0.38	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-4	127-18-4	192	Tetrachloroethene	0.29	ug/l	U	8260B	0.29	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-4	108-88-3	196	Toluene	0.27	ug/l	U	8260B	0.27	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-4	156-60-5	79	trans-1,2-Dichloroethene	0.3	ug/l	U	8260B	0.3	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-4	10061-02-6	87	trans-1,3-Dichloropropene	0.24	ug/l	U	8260B	0.24	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-4	110-57-6	73	trans-1,4-Dichloro-2-butene	0.85	ug/l	U	8260B	0.85	100	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-4	79-01-6	201	Trichloroethene	0.37	ug/l	U	8260B	0.37	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-4	75-69-4	203	Trichlorofluoromethane	0.29	ug/l	U	8260B	0.29	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-4	108-05-4	210	Vinyl acetate	1	ug/l	U	8260B	1	50	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-4	75-01-4	211	Vinyl chloride	0.27	ug/l	U	8260B	0.27	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-4	1330-20-7	346	Xylenes, Total	0.86	ug/l	U	8260B	0.86	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-5		318	Depth To Water	10.88	ft						1/8/2009		
33-01	3301-MW-5		411	Total Well Depth	24.81	ft						1/8/2009		
33-01	3301-MW-5		328	TOC Elevation	53.75	ft AMSL						1/8/2009		
33-01	3301-MW-5		319	Groundwater Elevation	42.87	ft AMSL						1/8/2009		
33-01	3301-MW-5		320	pH	6.78	standard units						1/8/2009		
33-01	3301-MW-5		323	Specific Conductivity	0.913	mS/cm						1/8/2009		
33-01	3301-MW-5		325	Temperature	15.84	ºC						1/8/2009		
33-01	3301-MW-5		330	Turbidity	2.90	NTUs						1/8/2009		
33-01	3301-MW-5	630-20-6	190	1,1,1,2-Tetrachloroethane	0.4	ug/l	U	8260B	0.4	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-5	71-55-6	200	1,1,1-Trichloroethane	0.27	ug/l	U	8260B	0.27	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-5	79-34-5	191	1,1,2,2-Tetrachloroethane	0.22	ug/l	U	8260B	0.22	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-5	79-00-5	202	1,1,2-Trichloroethane	0.45	ug/l	U	8260B	0.45	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-5	75-34-3	75	1,1-Dichloroethane	15	ug/l		8260B	0.31	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-5	75-35-4	77	1,1-Dichloroethene	1.5	ug/l		8260B	0.5	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-5	96-18-4	206	1,2,3-Trichloropropane	0.36	ug/l	U	8260B	0.36	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-5	96-12-8	67	1,2-Dibromo-3-Chloropropane	0.48	ug/l	U	8260B	0.48	13	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-5	106-93-4	68	1,2-Dibromoethane	0.48	ug/l	U	8260B	0.48	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-5	95-50-1	69	1,2-Dichlorobenzene	1	ug/l		8260B	0.29	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-5	107-06-2	76	1,2-Dichloroethane	1	ug/l		8260B	0.27	1	1	1/8/2009	1/10/2009	1/10/2009

33-01	3301-MW-5	78-87-5	82	1,2-Dichloropropane	0.52	ug/l	U	8260B	0.52	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-5	106-46-7	71	1,4-Dichlorobenzene	6.8	ug/l		8260B	0.3	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-5	78-93-3	141	2-Butanone (MEK)	4.5	ug/l	U	8260B	4.5	100	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-5	591-78-6	124	2-Hexanone	1.6	ug/l	U	8260B	1.6	50	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-5	108-10-1	147	4-Methyl-2-pentanone (MIBK)	1.4	ug/l	U	8260B	1.4	100	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-5	67-64-1	3	Acetone	8.9	ug/l	U	8260B	8.9	100	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-5	107-13-1	8	Acrylonitrile	1.7	ug/l	U	8260B	1.7	200	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-5	SW337	337	Alkalinity	490000	ug/l		310.2	2600	NE	1	1/8/2009	1/12/2009	1/12/2009
33-01	3301-MW-5	7664-41-7	435	Ammonia Nitrogen	34	ug/l	U	350.1	34	NE	1	1/8/2009	1/12/2009	1/13/2009
33-01	3301-MW-5	71-43-2	16	Benzene	3.2	ug/l		8260B	0.29	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-5	SW316	316	BOD	1600	ug/l	U	SM5210B	1600	NE	1	1/8/2009		1/9/2009
33-01	3301-MW-5	74-97-5	28	Bromochloromethane	0.44	ug/l	U	8260B	0.44	3	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-5	75-27-4	29	Bromodichloromethane	0.37	ug/l	U	8260B	0.37	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-5	75-25-2	30	Bromoform	0.51	ug/l	U	8260B	0.51	3	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-5	74-83-9	136	Bromomethane	0.89	ug/l	U	8260B	0.89	10	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-5	7440-70-2	375	Calcium	120000	ug/l		6010B	160	NE	1	1/8/2009	1/9/2009	1/11/2009
33-01	3301-MW-5	75-15-0	35	Carbon disulfide	0.32	ug/l	U	8260B	0.32	100	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-5	56-23-5	36	Carbon tetrachloride	0.31	ug/l	U	8260B	0.31	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-5	16887-00-6	301	Chloride	13000	ug/l		9056	310	NE	1	1/8/2009	1/9/2009	1/9/2009
33-01	3301-MW-5	108-90-7	39	Chlorobenzene	9.8	ug/l		8260B	0.26	3	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-5	124-48-1	66	Chlorodibromomethane	0.42	ug/l	U	8260B	0.42	3	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-5	75-00-3	41	Chloroethane	1.6	ug/l	J	8260B	0.86	10	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-5	67-66-3	44	Chloroform	0.33	ug/l	U	8260B	0.33	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-5	74-87-3	137	Chloromethane	0.25	ug/l	U	8260B	0.25	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-5	156-59-2	78	cis-1,2-Dichloroethene	530	ug/l		8260B	3.8	5	10	1/8/2009	1/11/2009	1/11/2009
33-01	3301-MW-5	10061-01-5	86	cis-1,3-Dichloropropene	0.26	ug/l	U	8260B	0.26	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-5	7440-48-4	53	Cobalt	160	ug/l		6010B	1.1	10	1	1/8/2009	1/9/2009	1/11/2009
33-01	3301-MW-5	SW317	317	COD	78000	ug/l		410.4	2700	NE	1	1/8/2009	1/12/2009	1/13/2009
33-01	3301-MW-5	74-95-3	139	Dibromomethane	0.28	ug/l	U	8260B	0.28	10	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-5	100-41-4	110	Ethylbenzene	0.22	ug/l	U	8260B	0.22	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-5	74-88-4	142	Iodomethane	2.6	ug/l	U	8260B	2.6	10	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-5	7439-89-6	340	Iron	97000	ug/l		6010B	24	300	1	1/8/2009	1/9/2009	1/11/2009
33-01	3301-MW-5	7439-95-4	376	Magnesium	15000	ug/l		6010B	23	NE	1	1/8/2009	1/9/2009	1/11/2009
33-01	3301-MW-5	7439-97-6	132	Mercury	0.057	ug/l	U	7470A	0.057	0.2	1	1/8/2009	1/9/2009	1/9/2009
33-01	3301-MW-5	75-09-2	140	Methylene Chloride	0.3	ug/l	U	8260B	0.3	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-5	9/7/7440	377	Potassium	2200	ug/l		6010B	100	NE	1	1/8/2009	1/9/2009	1/11/2009
33-01	3301-MW-5	7440-23-5	322	Sodium	10000	ug/l		6010B	120	NE	1	1/8/2009	1/9/2009	1/11/2009
33-01	3301-MW-5	100-42-5	186	Styrene	0.38	ug/l	U	8260B	0.38	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-5	14808-79-8	315	Sulfate	48000	ug/l		9056	210	250000	1	1/8/2009	1/9/2009	1/9/2009
33-01	3301-MW-5	127-18-4	192	Tetrachloroethene	0.32	ug/l	J	8260B	0.29	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-5	E-10195	357	TOC (Total Organic Carbon)	7800	ug/l		9060A	310	NE	1	1/8/2009	1/9/2009	1/15/2009
33-01	3301-MW-5	108-88-3	196	Toluene	0.61	ug/l	J	8260B	0.27	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-5	156-60-5	79	trans-1,2-Dichloroethene	5.3	ug/l		8260B	0.3	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-5	10061-02-6	87	trans-1,3-Dichloropropene	0.24	ug/l	U	8260B	0.24	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-5	110-57-6	73	trans-1,4-Dichloro-2-butene	0.85	ug/l	U	8260B	0.85	100	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-5	79-01-6	201	Trichloroethene	6.1	ug/l		8260B	0.37	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-5	75-69-4	203	Trichlorofluoromethane	0.29	ug/l	U	8260B	0.29	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-5	108-05-4	210	Vinyl acetate	1	ug/l	U	8260B	1	50	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-5	75-01-4	211	Vinyl chloride	33	ug/l		8260B	0.27	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-5	1330-20-7	346	Xylenes, Total	0.86	ug/l	U	8260B	0.86	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-DUPLICATE	630-20-6	190	1,1,1,2-Tetrachloroethane	0.4	ug/l	U	8260B	0.4	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-DUPLICATE	71-55-6	200	1,1,1-Trichloroethane	0.27	ug/l	U	8260B	0.27	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-DUPLICATE	79-34-5	191	1,1,2,2-Tetrachloroethane	0.22	ug/l	U	8260B	0.22	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-DUPLICATE	79-00-5	202	1,1,2-Trichloroethane	0.45	ug/l	U	8260B	0.45	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-DUPLICATE	75-34-3	75	1,1-Dichloroethane	16	ug/l		8260B	0.31	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-DUPLICATE	75-35-4	77	1,1-Dichloroethene	1.5	ug/l		8260B	0.5	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-DUPLICATE	96-18-4	206	1,2,3-Trichloropropane	0.36	ug/l	U	8260B	0.36	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-DUPLICATE	96-12-8	67	1,2-Dibromo-3-Chloropropane	0.48	ug/l	U	8260B	0.48	13	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-DUPLICATE	106-93-4	68	1,2-Dibromoethane	0.48	ug/l	U	8260B	0.48	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-DUPLICATE	95-50-1	69	1,2-Dichlorobenzene	1	ug/l		8260B	0.29	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-DUPLICATE	107-06-2	76	1,2-Dichloroethane	1.1	ug/l		8260B	0.27	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-DUPLICATE	78-87-5	82	1,2-Dichloropropane	0.52	ug/l	U	8260B	0.52	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-DUPLICATE	106-46-7	71	1,4-Dichlorobenzene	7.2	ug/l		8260B	0.3	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-DUPLICATE	78-93-3	141	2-Butanone (MEK)	4.5	ug/l	U	8260B	4.5	100	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-DUPLICATE	591-78-6	124	2-Hexanone	1.6	ug/l	U	8260B	1.6	50	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-DUPLICATE	108-10-1	147	4-Methyl-2-pentanone (MIBK)	1.4	ug/l	U	8260B	1.4	100	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-DUPLICATE	67-64-1	3	Acetone	8.9	ug/l	U	8260B	8.9	100	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-DUPLICATE	107-13-1	8	Acrylonitrile	1.7	ug/l	U	8260B	1.7	200	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-DUPLICATE	SW337	337	Alkalinity	460000	ug/l		310.2	2600	NE	1	1/8/2009	1/12/2009	1/12/2009
33-01	3301-DUPLICATE	7664-41-7	435	Ammonia Nitrogen	34	ug/l	U	350.1	34	NE	1	1/8/2009	1/12/2009	1/13/2009
33-01	3301-DUPLICATE	71-43-2	16	Benzene	3.3	ug/l		8260B	0.29	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-DUPLICATE	SW316	316	BOD	5900	ug/l		SM5210B	1600	NE	1	1/8/2009		1/9/2009
33-01	3301-DUPLICATE	74-97-5	28	Bromochloromethane	0.44	ug/l	U	8260B	0.44	3	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-DUPLICATE	75-27-4	29	Bromodichloromethane	0.37	ug/l	U	8260B	0.37	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-DUPLICATE	75-25-2	30	Bromoform	0.51	ug/l	U	8260B	0.51	3	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-DUPLICATE	74-83-9	136	Bromomethane	0.89	ug/l	U	8260B	0.89	10	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-DUPLICATE	7440-70-2	375	Calcium	120000	ug/l		6010B	160	NE	1	1/8/2009	1/9/2009	1/11/2009
33-01	3301-DUPLICATE	75-15-0	35	Carbon disulfide	0.32	ug/l	U	8260B	0.32	100	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-DUPLICATE	56-23-5	36	Carbon tetrachloride	0.31	ug/l	U	8260B	0.31	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-DUPLICATE	16887-00-6	301	Chloride	14000	ug/l		9056	310	NE	1	1/8/2009	1/9/2009	1/9/2009
33-01	3301-DUPLICATE	108-90-7	39	Chlorobenzene	10	ug/l		8260B	0.26	3	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-DUPLICATE	124-48-1	66	Chlorodibromomethane	0.42	ug/l	U	8260B	0.42	3	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-DUPLICATE	75-00-3	41	Chloroethane	1.6	ug/l	J	8260B	0.86	10	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-DUPLICATE	67-66-3	44	Chloroform	0.33	ug/l	U	8260B	0.33	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-DUPLICATE	74-87-3	137	Chloromethane	0.25	ug/l	U	8260B	0.25	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-DUPLICATE	156-59-2	78	cis-1,2-Dichloroethene	550	ug/l		8260B	3.8	5	10	1/8/2009	1/11/2009	1/11/2009
33-01	3301-DUPLICATE	10061-01-5	86	cis-1,3-Dichloropropene	0.26	ug/l	U	8260B	0.26	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-DUPLICATE	7440-48-4	53	Cobalt	140	ug/l		6010B	1.1	10	1	1/8/2009	1/9/2009	1/11/2009
33-01	3301-DUPLICATE	SW317	317	COD	60000	ug/l		410.4	2700	NE	1	1/8/2009	1/13/2009	1/14/2009
33-01	3301-DUPLICATE	74-95-3	139	Dibromomethane	0.28	ug/l	U	8260B	0.28	10	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-DUPLICATE	100-41-4	110	Ethylbenzene	0.22	ug/l	U	8260B	0.22	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-DUPLICATE	74-88-4	142	Iodomethane	2.6	ug/l	U	8260B	2.6	10	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-DUPLICATE	7439-89-6	340	Iron	86000	ug/l		6010B	24	300	1	1/8/2009	1/9/2009	1/11/2009

33-01	3301-DUPLICATE	7439-95-4	376	Magnesium	15000	ug/l		6010B	23	NE	1	1/8/2009	1/9/2009	1/11/2009
33-01	3301-DUPLICATE	7439-97-6	132	Mercury	0.057	ug/l	U	7470A	0.057	0.2	1	1/8/2009	1/9/2009	1/9/2009
33-01	3301-DUPLICATE	75-09-2	140	Methylene Chloride	0.3	ug/l	U	8260B	0.3	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-DUPLICATE	9/7/7440	377	Potassium	1800	ug/l		6010B	100	NE	1	1/8/2009	1/9/2009	1/11/2009
33-01	3301-DUPLICATE	7440-23-5	322	Sodium	9600	ug/l		6010B	120	NE	1	1/8/2009	1/9/2009	1/11/2009
33-01	3301-DUPLICATE	100-42-5	186	Styrene	0.38	ug/l	U	8260B	0.38	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-DUPLICATE	14808-79-8	315	Sulfate	56000	ug/l		9056	210	250000	1	1/8/2009	1/9/2009	1/9/2009
33-01	3301-DUPLICATE	127-18-4	192	Tetrachloroethene	0.44	ug/l	J	8260B	0.29	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-DUPLICATE	E-10195	357	TOC (Total Organic Carbon)	7200	ug/l		9060A	310	NE	1	1/8/2009	1/9/2009	1/15/2009
33-01	3301-DUPLICATE	108-88-3	196	Toluene	0.57	ug/l	J	8260B	0.27	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-DUPLICATE	156-60-5	79	trans-1,2-Dichloroethene	5.8	ug/l		8260B	0.3	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-DUPLICATE	10061-02-6	87	trans-1,3-Dichloropropene	0.24	ug/l	U	8260B	0.24	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-DUPLICATE	110-57-6	73	trans-1,4-Dichloro-2-butene	0.85	ug/l	U	8260B	0.85	100	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-DUPLICATE	79-01-6	201	Trichloroethene	6.9	ug/l		8260B	0.37	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-DUPLICATE	75-69-4	203	Trichlorofluoromethane	0.29	ug/l	U	8260B	0.29	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-DUPLICATE	108-05-4	210	Vinyl acetate	1	ug/l	U	8260B	1	50	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-DUPLICATE	75-01-4	211	Vinyl chloride	33	ug/l		8260B	0.27	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-DUPLICATE	1330-20-7	346	Xylenes, Total	0.86	ug/l	U	8260B	0.86	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-5D		318	Depth To Water	10.56	ft						1/8/2009		
33-01	3301-MW-5D		411	Total Well Depth	43.00	ft						1/8/2009		
33-01	3301-MW-5D		328	TOC Elevation	52.08	ft AMSL						1/8/2009		
33-01	3301-MW-5D		319	Groundwater Elevation	41.52	ft AMSL						1/8/2009		
33-01	3301-MW-5S		318	Depth To Water	8.58	ft						1/8/2009		
33-01	3301-MW-5S		411	Total Well Depth	NM	ft						1/8/2009		
33-01	3301-MW-5S		328	TOC Elevation	50.54	ft AMSL						1/8/2009		
33-01	3301-MW-5S		319	Groundwater Elevation	41.96	ft AMSL						1/8/2009		
33-01	3301-MW-6		318	Depth To Water	3.41	ft.						1/8/2009		
33-01	3301-MW-6		411	Total Well Depth	18.75	ft.						1/8/2009		
33-01	3301-MW-6		328	TOC Elevation	46.15	ft AMSL						1/8/2009		
33-01	3301-MW-6		319	Groundwater Elevation	42.74	ft AMSL						1/8/2009		
33-01	3301-MW-6		320	pH	5.48	standard units						1/8/2009		
33-01	3301-MW-6		323	Specific Conductivity	0.231	mS/cm						1/8/2009		
33-01	3301-MW-6		325	Temperature	13.81	ºC						1/8/2009		
33-01	3301-MW-6		330	Turbidity	12.00	NTUs						1/8/2009		
33-01	3301-MW-6	630-20-6	190	1,1,1,2-Tetrachloroethane	0.4	ug/l	U	8260B	0.4	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-6	71-55-6	200	1,1,1-Trichloroethane	0.27	ug/l	U	8260B	0.27	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-6	79-34-5	191	1,1,2,2-Tetrachloroethane	0.22	ug/l	U	8260B	0.22	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-6	79-00-5	202	1,1,2-Trichloroethane	0.45	ug/l	U	8260B	0.45	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-6	75-34-3	75	1,1-Dichloroethane	0.31	ug/l	U	8260B	0.31	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-6	75-35-4	77	1,1-Dichloroethene	0.5	ug/l	U	8260B	0.5	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-6	96-18-4	206	1,2,3-Trichloropropane	0.36	ug/l	U	8260B	0.36	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-6	96-12-8	67	1,2-Dibromo-3-Chloropropane	0.48	ug/l	U	8260B	0.48	13	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-6	106-93-4	68	1,2-Dibromoethane	0.48	ug/l	U	8260B	0.48	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-6	95-50-1	69	1,2-Dichlorobenzene	0.29	ug/l	U	8260B	0.29	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-6	107-06-2	76	1,2-Dichloroethane	0.27	ug/l	U	8260B	0.27	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-6	78-87-5	82	1,2-Dichloropropane	0.52	ug/l	U	8260B	0.52	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-6	106-46-7	71	1,4-Dichlorobenzene	0.3	ug/l	U	8260B	0.3	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-6	78-93-3	141	2-Butanone (MEK)	4.5	ug/l	U	8260B	4.5	100	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-6	591-78-6	124	2-Hexanone	1.6	ug/l	U	8260B	1.6	50	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-6	108-10-1	147	4-Methyl-2-pentanone (MIBK)	1.4	ug/l	U	8260B	1.4	100	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-6	67-64-1	3	Acetone	8.9	ug/l	U	8260B	8.9	100	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-6	107-13-1	8	Acrylonitrile	1.7	ug/l	U	8260B	1.7	200	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-6	SW337	337	Alkalinity	28000	ug/l		310.2	2600	NE	1	1/8/2009	1/12/2009	1/12/2009
33-01	3301-MW-6	7664-41-7	435	Ammonia Nitrogen	87	ug/l	J	350.1	34	NE	1	1/8/2009	1/12/2009	1/13/2009
33-01	3301-MW-6	71-43-2	16	Benzene	0.29	ug/l	U	8260B	0.29	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-6	SW316	316	BOD	1600	ug/l	U	SM5210B	1600	NE	1	1/8/2009		1/9/2009
33-01	3301-MW-6	74-97-5	28	Bromochloromethane	0.44	ug/l	U	8260B	0.44	3	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-6	75-27-4	29	Bromodichloromethane	0.37	ug/l	U	8260B	0.37	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-6	75-25-2	30	Bromoform	0.51	ug/l	U	8260B	0.51	3	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-6	74-83-9	136	Bromomethane	0.89	ug/l	U	8260B	0.89	10	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-6	7440-70-2	375	Calcium	33000	ug/l		6010B	160	NE	1	1/8/2009	1/9/2009	1/11/2009
33-01	3301-MW-6	75-15-0	35	Carbon disulfide	0.32	ug/l	U	8260B	0.32	100	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-6	56-23-5	36	Carbon tetrachloride	0.31	ug/l	U	8260B	0.31	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-6	16887-00-6	301	Chloride	11000	ug/l		9056	310	NE	1	1/8/2009	1/9/2009	1/9/2009
33-01	3301-MW-6	108-90-7	39	Chlorobenzene	0.26	ug/l	U	8260B	0.26	3	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-6	124-48-1	66	Chlorodibromomethane	0.42	ug/l	U	8260B	0.42	3	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-6	75-00-3	41	Chloroethane	0.86	ug/l	U	8260B	0.86	10	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-6	67-66-3	44	Chloroform	0.33	ug/l	U	8260B	0.33	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-6	74-87-3	137	Chloromethane	0.25	ug/l	U	8260B	0.25	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-6	156-59-2	78	cis-1,2-Dichloroethene	0.38	ug/l	U	8260B	0.38	5	1	1/8/2009	1/11/2009	1/11/2009
33-01	3301-MW-6	10061-01-5	86	cis-1,3-Dichloropropene	0.26	ug/l	U	8260B	0.26	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-6	7440-48-4	53	Cobalt	5.1	ug/l	J	6010B	1.1	10	1	1/8/2009	1/9/2009	1/11/2009
33-01	3301-MW-6	SW317	317	COD	24000	ug/l		410.4	2700	NE	1	1/8/2009	1/12/2009	1/13/2009
33-01	3301-MW-6	74-95-3	139	Dibromomethane	0.28	ug/l	U	8260B	0.28	10	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-6	100-41-4	110	Ethylbenzene	0.22	ug/l	U	8260B	0.22	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-6	74-88-4	142	Iodomethane	2.6	ug/l	U	8260B	2.6	10	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-6	7439-89-6	340	Iron	610	ug/l		6010B	24	300	1	1/8/2009	1/9/2009	1/11/2009
33-01	3301-MW-6	7439-95-4	376	Magnesium	5400	ug/l		6010B	23	NE	1	1/8/2009	1/9/2009	1/11/2009
33-01	3301-MW-6	7439-97-6	132	Mercury	0.057	ug/l	U	7470A	0.057	0.2	1	1/8/2009	1/9/2009	1/9/2009
33-01	3301-MW-6	75-09-2	140	Methylene Chloride	0.3	ug/l	U	8260B	0.3	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-6	9/7/7440	377	Potassium	3800	ug/l		6010B	100	NE	1	1/8/2009	1/9/2009	1/11/2009
33-01	3301-MW-6	7440-23-5	322	Sodium	6800	ug/l		6010B	120	NE	1	1/8/2009	1/9/2009	1/11/2009
33-01	3301-MW-6	100-42-5	186	Styrene	0.38	ug/l	U	8260B	0.38	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-6	14808-79-8	315	Sulfate	96000	ug/l		9056	210	250000	1	1/8/2009	1/9/2009	1/9/2009
33-01	3301-MW-6	127-18-4	192	Tetrachloroethene	0.29	ug/l	U	8260B	0.29	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-6	E-10195	357	TOC (Total Organic Carbon)	6000	ug/l		9060A	310	NE	1	1/8/2009	1/9/2009	1/15/2009
33-01	3301-MW-6	108-88-3	196	Toluene	0.27	ug/l	U	8260B	0.27	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-6	156-60-5	79	trans-1,2-Dichloroethene	0.3	ug/l	U	8260B	0.3	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-6	10061-02-6	87	trans-1,3-Dichloropropene	0.24	ug/l	U	8260B	0.24	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-6	110-57-6	73	trans-1,4-Dichloro-2-butene	0.85	ug/l	U	8260B	0.85	100	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-6	79-01-6	201	Trichloroethene	0.37	ug/l	U	8260B	0.37	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-6	75-69-4	203	Trichlorofluoromethane	0.29	ug/l	U	8260B	0.29	1	1	1/8/2009	1/10/2009	1/10/2009

33-01	3301-MW-6	108-05-4	210	Vinyl acetate	1	ug/l	U	8260B	1	50	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-6	75-01-4	211	Vinyl chloride	0.27	ug/l	U	8260B	0.27	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-6	1330-20-7	346	Xylenes, Total	0.86	ug/l	U	8260B	0.86	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-7A		318	Depth To Water	14.10	ft						1/8/2009		
33-01	3301-MW-7A		411	Total Well Depth	27.50	ft						1/8/2009		
33-01	3301-MW-7A		328	TOC Elevation	68.43	ft AMSL						1/8/2009		
33-01	3301-MW-7A		319	Groundwater Elevation	54.33	ft AMSL						1/8/2009		
33-01	3301-MW-7A		320	pH	6.66	standard units						1/8/2009		
33-01	3301-MW-7A		323	Specific Conductivity	0.772	mS/cm						1/8/2009		
33-01	3301-MW-7A		325	Temperature	16.30	ºC						1/8/2009		
33-01	3301-MW-7A		330	Turbidity	11.90	NTUs						1/8/2009		
33-01	3301-MW-7A	630-20-6	190	1,1,1,2-Tetrachloroethane	0.4	ug/l	U	8260B	0.4	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-7A	71-55-6	200	1,1,1-Trichloroethane	0.27	ug/l	U	8260B	0.27	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-7A	79-34-5	191	1,1,2,2-Tetrachloroethane	0.22	ug/l	U	8260B	0.22	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-7A	79-00-5	202	1,1,2-Trichloroethane	0.45	ug/l	U	8260B	0.45	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-7A	75-34-3	75	1,1-Dichloroethane	0.31	ug/l	U	8260B	0.31	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-7A	75-35-4	77	1,1-Dichloroethene	0.5	ug/l	U	8260B	0.5	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-7A	96-18-4	206	1,2,3-Trichloropropane	0.36	ug/l	U	8260B	0.36	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-7A	96-12-8	67	1,2-Dibromo-3-Chloropropane	0.48	ug/l	U	8260B	0.48	13	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-7A	106-93-4	68	1,2-Dibromoethane	0.48	ug/l	U	8260B	0.48	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-7A	95-50-1	69	1,2-Dichlorobenzene	0.29	ug/l	U	8260B	0.29	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-7A	107-06-2	76	1,2-Dichloroethane	0.27	ug/l	U	8260B	0.27	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-7A	78-87-5	82	1,2-Dichloropropane	0.52	ug/l	U	8260B	0.52	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-7A	106-46-7	71	1,4-Dichlorobenzene	1.2	ug/l		8260B	0.3	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-7A	78-93-3	141	2-Butanone (MEK)	4.5	ug/l	U	8260B	4.5	100	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-7A	591-78-6	124	2-Hexanone	1.6	ug/l	U	8260B	1.6	50	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-7A	108-10-1	147	4-Methyl-2-pentanone (MIBK)	1.4	ug/l	U	8260B	1.4	100	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-7A	67-64-1	3	Acetone	8.9	ug/l	U	8260B	8.9	100	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-7A	107-13-1	8	Acrylonitrile	1.7	ug/l	U	8260B	1.7	200	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-7A	SW337	337	Alkalinity	470000	ug/l		310.2	2600	NE	1	1/8/2009	1/12/2009	1/12/2009
33-01	3301-MW-7A	7664-41-7	435	Ammonia Nitrogen	97	ug/l	J	350.1	34	NE	1	1/8/2009	1/12/2009	1/13/2009
33-01	3301-MW-7A	71-43-2	16	Benzene	2.7	ug/l		8260B	0.29	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-7A	SW316	316	BOD	1600	ug/l	U	SM5210B	1600	NE	1	1/8/2009		1/9/2009
33-01	3301-MW-7A	74-97-5	28	Bromochloromethane	0.44	ug/l	U	8260B	0.44	3	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-7A	75-27-4	29	Bromodichloromethane	0.37	ug/l	U	8260B	0.37	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-7A	75-25-2	30	Bromoform	0.51	ug/l	U	8260B	0.51	3	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-7A	74-83-9	136	Bromomethane	0.89	ug/l	U	8260B	0.89	10	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-7A	7440-70-2	375	Calcium	28000	ug/l		6010B	160	NE	1	1/8/2009	1/9/2009	1/11/2009
33-01	3301-MW-7A	75-15-0	35	Carbon disulfide	0.32	ug/l	U	8260B	0.32	100	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-7A	56-23-5	36	Carbon tetrachloride	0.31	ug/l	U	8260B	0.31	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-7A	16887-00-6	301	Chloride	19000	ug/l		9056	310	NE	1	1/8/2009	1/9/2009	1/9/2009
33-01	3301-MW-7A	108-90-7	39	Chlorobenzene	3.4	ug/l		8260B	0.26	3	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-7A	124-48-1	66	Chlorodibromomethane	0.42	ug/l	U	8260B	0.42	3	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-7A	75-00-3	41	Chloroethane	3.6	ug/l	J	8260B	0.86	10	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-7A	67-66-3	44	Chloroform	0.33	ug/l	U	8260B	0.33	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-7A	74-87-3	137	Chloromethane	0.25	ug/l	U	8260B	0.25	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-7A	156-59-2	78	cis-1,2-Dichloroethene	0.52	ug/l	J	8260B	0.38	5	1	1/8/2009	1/11/2009	1/11/2009
33-01	3301-MW-7A	10061-01-5	86	cis-1,3-Dichloropropene	0.26	ug/l	U	8260B	0.26	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-7A	7440-48-4	53	Cobalt	3.1	ug/l	J	6010B	1.1	10	1	1/8/2009	1/9/2009	1/11/2009
33-01	3301-MW-7A	SW317	317	COD	45000	ug/l		410.4	2700	NE	1	1/8/2009	1/12/2009	1/13/2009
33-01	3301-MW-7A	74-95-3	139	Dibromomethane	0.28	ug/l	U	8260B	0.28	10	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-7A	100-41-4	110	Ethylbenzene	0.22	ug/l	U	8260B	0.22	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-7A	74-88-4	142	Iodomethane	2.6	ug/l	U	8260B	2.6	10	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-7A	7439-89-6	340	Iron	200000	ug/l		6010B	24	300	1	1/8/2009	1/9/2009	1/11/2009
33-01	3301-MW-7A	7439-95-4	376	Magnesium	10000	ug/l		6010B	23	NE	1	1/8/2009	1/9/2009	1/11/2009
33-01	3301-MW-7A	7439-97-6	132	Mercury	0.057	ug/l	U	7470A	0.057	0.2	1	1/8/2009	1/9/2009	1/9/2009
33-01	3301-MW-7A	75-09-2	140	Methylene Chloride	0.3	ug/l	U	8260B	0.3	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-7A	9/7/7440	377	Potassium	1700	ug/l		6010B	100	NE	1	1/8/2009	1/9/2009	1/11/2009
33-01	3301-MW-7A	7440-23-5	322	Sodium	10000	ug/l		6010B	120	NE	1	1/8/2009	1/9/2009	1/11/2009
33-01	3301-MW-7A	100-42-5	186	Styrene	0.38	ug/l	U	8260B	0.38	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-7A	14808-79-8	315	Sulfate	7300	ug/l		9056	210	250000	1	1/8/2009	1/9/2009	1/9/2009
33-01	3301-MW-7A	127-18-4	192	Tetrachloroethene	0.29	ug/l	U	8260B	0.29	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-7A	E-10195	357	TOC (Total Organic Carbon)	8200	ug/l		9060A	310	NE	1	1/8/2009	1/9/2009	1/15/2009
33-01	3301-MW-7A	108-88-3	196	Toluene	0.27	ug/l	U	8260B	0.27	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-7A	156-60-5	79	trans-1,2-Dichloroethene	0.3	ug/l	U	8260B	0.3	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-7A	10061-02-6	87	trans-1,3-Dichloropropene	0.24	ug/l	U	8260B	0.24	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-7A	110-57-6	73	trans-1,4-Dichloro-2-butene	0.85	ug/l	U	8260B	0.85	100	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-7A	79-01-6	201	Trichloroethene	0.37	ug/l	U	8260B	0.37	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-7A	75-69-4	203	Trichlorofluoromethane	0.29	ug/l	U	8260B	0.29	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-7A	108-05-4	210	Vinyl acetate	1	ug/l	U	8260B	1	50	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-7A	75-01-4	211	Vinyl chloride	0.4	ug/l	J	8260B	0.27	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-7A	1330-20-7	346	Xylenes, Total	0.86	ug/l	U	8260B	0.86	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-8A		318	Depth To Water	11.10	ft						1/8/2009		
33-01	3301-MW-8A		411	Total Well Depth	23.00	ft						1/8/2009		
33-01	3301-MW-8A		328	TOC Elevation	82.34	ft AMSL						1/8/2009		
33-01	3301-MW-8A		319	Groundwater Elevation	71.24	ft AMSL						1/8/2009		
33-01	3301-MW-9		318	Depth To Water	5.00	ft						1/8/2009		
33-01	3301-MW-9		411	Total Well Depth	15.00	ft						1/8/2009		
33-01	3301-MW-9		328	TOC Elevation	72.41	ft AMSL						1/8/2009		
33-01	3301-MW-9		319	Groundwater Elevation	67.41	ft AMSL						1/8/2009		
33-01	3301-MW-9		320	pH	7.40	standard units						1/8/2009		
33-01	3301-MW-9		323	Specific Conductivity	0.160	mS/cm						1/8/2009		
33-01	3301-MW-9		325	Temperature	15.95	ºC						1/8/2009		
33-01	3301-MW-9		330	Turbidity	31.20	NTUs						1/8/2009		
33-01	3301-MW-9	630-20-6	190	1,1,1,2-Tetrachloroethane	0.4	ug/l	U	8260B	0.4	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-9	71-55-6	200	1,1,1-Trichloroethane	0.27	ug/l	U	8260B	0.27	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-9	79-34-5	191	1,1,2,2-Tetrachloroethane	0.22	ug/l	U	8260B	0.22	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-9	79-00-5	202	1,1,2-Trichloroethane	0.45	ug/l	U	8260B	0.45	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-9	75-34-3	75	1,1-Dichloroethane	0.31	ug/l	U	8260B	0.31	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-9	75-35-4	77	1,1-Dichloroethene	0.5	ug/l	U	8260B	0.5	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-9	96-18-4	206	1,2,3-Trichloropropane	0.36	ug/l	U	8260B	0.36	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-9	96-12-8	67	1,2-Dibromo-3-Chloropropane	0.48	ug/l	U	8260B	0.48	13	1	1/8/2009	1/10/2009	1/10/2009

33-01	3301-MW-9	106-93-4	68	1,2-Dibromoethane	0.48	ug/l	U	8260B	0.48	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-9	95-50-1	69	1,2-Dichlorobenzene	0.29	ug/l	U	8260B	0.29	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-9	107-06-2	76	1,2-Dichloroethane	0.27	ug/l	U	8260B	0.27	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-9	78-87-5	82	1,2-Dichloropropane	0.52	ug/l	U	8260B	0.52	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-9	106-46-7	71	1,4-Dichlorobenzene	0.3	ug/l	U	8260B	0.3	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-9	78-93-3	141	2-Butanone (MEK)	4.5	ug/l	U	8260B	4.5	100	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-9	591-78-6	124	2-Hexanone	1.6	ug/l	U	8260B	1.6	50	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-9	108-10-1	147	4-Methyl-2-pentanone (MIBK)	1.4	ug/l	U	8260B	1.4	100	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-9	67-64-1	3	Acetone	8.9	ug/l	U	8260B	8.9	100	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-9	107-13-1	8	Acrylonitrile	1.7	ug/l	U	8260B	1.7	200	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-9	71-43-2	16	Benzene	0.29	ug/l	U	8260B	0.29	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-9	74-97-5	28	Bromochloromethane	0.44	ug/l	U	8260B	0.44	3	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-9	75-27-4	29	Bromodichloromethane	0.37	ug/l	U	8260B	0.37	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-9	75-25-2	30	Bromoform	0.51	ug/l	U	8260B	0.51	3	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-9	74-83-9	136	Bromomethane	0.89	ug/l	U	8260B	0.89	10	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-9	75-15-0	35	Carbon disulfide	0.32	ug/l	U	8260B	0.32	100	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-9	56-23-5	36	Carbon tetrachloride	0.31	ug/l	U	8260B	0.31	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-9	108-90-7	39	Chlorobenzene	0.26	ug/l	U	8260B	0.26	3	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-9	124-48-1	66	Chlorodibromomethane	0.42	ug/l	U	8260B	0.42	3	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-9	75-00-3	41	Chloroethane	0.86	ug/l	U	8260B	0.86	10	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-9	67-66-3	44	Chloroform	0.33	ug/l	U	8260B	0.33	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-9	74-87-3	137	Chloromethane	0.25	ug/l	U	8260B	0.25	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-9	156-59-2	78	cis-1,2-Dichloroethene	0.38	ug/l	U	8260B	0.38	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-9	10061-01-5	86	cis-1,3-Dichloropropene	0.26	ug/l	U	8260B	0.26	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-9	7440-48-4	53	Cobalt	1.1	ug/l	U	6010B	1.1	10	1	1/8/2009	1/9/2009	1/11/2009
33-01	3301-MW-9	74-95-3	139	Dibromomethane	0.28	ug/l	U	8260B	0.28	10	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-9	100-41-4	110	Ethylbenzene	0.22	ug/l	U	8260B	0.22	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-9	74-88-4	142	Iodomethane	2.6	ug/l	U	8260B	2.6	10	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-9	75-09-2	140	Methylene Chloride	0.3	ug/l	U	8260B	0.3	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-9	100-42-5	186	Styrene	0.38	ug/l	U	8260B	0.38	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-9	127-18-4	192	Tetrachloroethene	0.29	ug/l	U	8260B	0.29	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-9	108-88-3	196	Toluene	0.27	ug/l	U	8260B	0.27	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-9	156-60-5	79	trans-1,2-Dichloroethene	0.3	ug/l	U	8260B	0.3	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-9	10061-02-6	87	trans-1,3-Dichloropropene	0.24	ug/l	U	8260B	0.24	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-9	110-57-6	73	trans-1,4-Dichloro-2-butene	0.85	ug/l	U	8260B	0.85	100	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-9	79-01-6	201	Trichloroethene	0.37	ug/l	U	8260B	0.37	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-9	75-69-4	203	Trichlorofluoromethane	0.29	ug/l	U	8260B	0.29	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-9	108-05-4	210	Vinyl acetate	1	ug/l	U	8260B	1	50	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-9	75-01-4	211	Vinyl chloride	0.27	ug/l	U	8260B	0.27	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-9	1330-20-7	346	Xylenes, Total	0.86	ug/l	U	8260B	0.86	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-10		318	Depth To Water	4.18	ft						1/8/2009		
33-01	3301-MW-10		411	Total Well Depth	12.00	ft						1/8/2009		
33-01	3301-MW-10		328	TOC Elevation	75.78	ft AMSL						1/8/2009		
33-01	3301-MW-10		319	Groundwater Elevation	71.60	ft AMSL						1/8/2009		
33-01	3301-MW-12		318	Depth To Water	7.21	ft						1/8/2009		
33-01	3301-MW-12		411	Total Well Depth	10.00	ft						1/8/2009		
33-01	3301-MW-12		328	TOC Elevation	51.24	ft AMSL						1/8/2009		
33-01	3301-MW-12		319	Groundwater Elevation	44.03	ft AMSL						1/8/2009		
33-01	3301-MW-12		320	pH	4.82	standard units						1/8/2009		
33-01	3301-MW-12		323	Specific Conductivity	0.585	mS/cm						1/8/2009		
33-01	3301-MW-12		325	Temperature	14.06	ºC						1/8/2009		
33-01	3301-MW-12		330	Turbidity	27.10	NTUs						1/8/2009		
33-01	3301-MW-12	630-20-6	190	1,1,1,2-Tetrachloroethane	0.4	ug/l	U	8260B	0.4	5	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-12	71-55-6	200	1,1,1-Trichloroethane	0.27	ug/l	U	8260B	0.27	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-12	79-34-5	191	1,1,2,2-Tetrachloroethane	0.22	ug/l	U	8260B	0.22	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-12	79-00-5	202	1,1,2-Trichloroethane	0.45	ug/l	U	8260B	0.45	5	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-12	75-34-3	75	1,1-Dichloroethane	2.3	ug/l		8260B	0.31	5	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-12	75-35-4	77	1,1-Dichloroethene	0.5	ug/l	U	8260B	0.5	5	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-12	96-18-4	206	1,2,3-Trichloropropane	0.36	ug/l	U	8260B	0.36	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-12	96-12-8	67	1,2-Dibromo-3-Chloropropane	0.48	ug/l	U	8260B	0.48	13	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-12	106-93-4	68	1,2-Dibromoethane	0.48	ug/l	U	8260B	0.48	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-12	95-50-1	69	1,2-Dichlorobenzene	0.29	ug/l	U	8260B	0.29	5	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-12	107-06-2	76	1,2-Dichloroethane	0.27	ug/l	U	8260B	0.27	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-12	78-87-5	82	1,2-Dichloropropane	0.52	ug/l	U	8260B	0.52	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-12	106-46-7	71	1,4-Dichlorobenzene	4.5	ug/l		8260B	0.3	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-12	78-93-3	141	2-Butanone (MEK)	4.5	ug/l	U	8260B	4.5	100	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-12	591-78-6	124	2-Hexanone	1.6	ug/l	U	8260B	1.6	50	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-12	108-10-1	147	4-Methyl-2-pentanone (MIBK)	1.4	ug/l	U	8260B	1.4	100	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-12	67-64-1	3	Acetone	8.9	ug/l	U	8260B	8.9	100	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-12	107-13-1	8	Acrylonitrile	1.7	ug/l	U	8260B	1.7	200	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-12	71-43-2	16	Benzene	3.1	ug/l		8260B	0.29	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-12	74-97-5	28	Bromochloromethane	0.44	ug/l	U	8260B	0.44	3	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-12	75-27-4	29	Bromodichloromethane	0.37	ug/l	U	8260B	0.37	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-12	75-25-2	30	Bromoform	0.51	ug/l	U	8260B	0.51	3	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-12	74-83-9	136	Bromomethane	0.89	ug/l	U	8260B	0.89	10	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-12	75-15-0	35	Carbon disulfide	0.32	ug/l	U	8260B	0.32	100	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-12	56-23-5	36	Carbon tetrachloride	0.31	ug/l	U	8260B	0.31	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-12	108-90-7	39	Chlorobenzene	3	ug/l		8260B	0.26	3	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-12	124-48-1	66	Chlorodibromomethane	0.42	ug/l	U	8260B	0.42	3	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-12	75-00-3	41	Chloroethane	2.1	ug/l	J	8260B	0.86	10	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-12	67-66-3	44	Chloroform	0.33	ug/l	U	8260B	0.33	5	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-12	74-87-3	137	Chloromethane	0.25	ug/l	U	8260B	0.25	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-12	156-59-2	78	cis-1,2-Dichloroethene	1.7	ug/l		8260B	0.38	5	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-12	10061-01-5	86	cis-1,3-Dichloropropene	0.26	ug/l	U	8260B	0.26	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-12	7440-48-4	53	Cobalt	12	ug/l		6010B	1.1	10	1	1/8/2009	1/9/2009	1/11/2009
33-01	3301-MW-12	74-95-3	139	Dibromomethane	0.28	ug/l	U	8260B	0.28	10	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-12	100-41-4	110	Ethylbenzene	0.22	ug/l	U	8260B	0.22	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-12	74-88-4	142	Iodomethane	2.6	ug/l	U	8260B	2.6	10	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-12	75-09-2	140	Methylene Chloride	0.3	ug/l	U	8260B	0.3	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-12	100-42-5	186	Styrene	0.38	ug/l	U	8260B	0.38	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-12	127-18-4	192	Tetrachloroethene	0.29	ug/l	U	8260B	0.29	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-12	108-88-3	196	Toluene	0.27	ug/l	U	8260B	0.27	1	1	1/8/2009	1/13/2009	1/13/2009

33-01	3301-MW-12	156-60-5	79	trans-1,2-Dichloroethene	0.3	ug/l	U	8260B	0.3	5	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-12	10061-02-6	87	trans-1,3-Dichloropropene	0.24	ug/l	U	8260B	0.24	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-12	110-57-6	73	trans-1,4-Dichloro-2-butene	0.85	ug/l	U	8260B	0.85	100	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-12	79-01-6	201	Trichloroethene	0.37	ug/l	U	8260B	0.37	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-12	75-69-4	203	Trichlorofluoromethane	0.29	ug/l	U	8260B	0.29	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-12	108-05-4	210	Vinyl acetate	1	ug/l	U	8260B	1	50	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-12	75-01-4	211	Vinyl chloride	0.46	ug/l	J	8260B	0.27	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-12	1330-20-7	346	Xylenes, Total	0.86	ug/l	U	8260B	0.86	5	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-13		318	Depth To Water	6.73	ft						1/8/2009		
33-01	3301-MW-13		411	Total Well Depth	20.00	ft						1/8/2009		
33-01	3301-MW-13		328	TOC Elevation	54.99	ft AMSL						1/8/2009		
33-01	3301-MW-13		319	Groundwater Elevation	48.26	ft AMSL						1/8/2009		
33-01	3301-MW-13		320	pH	6.00	standard units						1/8/2009		
33-01	3301-MW-13		323	Specific Conductivity	0.741	mS/cm						1/8/2009		
33-01	3301-MW-13		325	Temperature	15.68	ºC						1/8/2009		
33-01	3301-MW-13		330	Turbidity	12.20	NTUs						1/8/2009		
33-01	3301-MW-13	630-20-6	190	1,1,1,2-Tetrachloroethane	0.4	ug/l	U	8260B	0.4	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-13	71-55-6	200	1,1,1-Trichloroethane	0.27	ug/l	U	8260B	0.27	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-13	79-34-5	191	1,1,2,2-Tetrachloroethane	0.22	ug/l	U	8260B	0.22	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-13	79-00-5	202	1,1,2-Trichloroethane	0.45	ug/l	U	8260B	0.45	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-13	75-34-3	75	1,1-Dichloroethane	0.89	ug/l	J	8260B	0.31	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-13	75-35-4	77	1,1-Dichloroethene	0.5	ug/l	U	8260B	0.5	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-13	96-18-4	206	1,2,3-Trichloropropane	0.36	ug/l	U	8260B	0.36	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-13	96-12-8	67	1,2-Dibromo-3-Chloropropane	0.48	ug/l	U	8260B	0.48	13	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-13	106-93-4	68	1,2-Dibromoethane	0.48	ug/l	U	8260B	0.48	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-13	95-50-1	69	1,2-Dichlorobenzene	0.29	ug/l	U	8260B	0.29	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-13	107-06-2	76	1,2-Dichloroethane	0.27	ug/l	U	8260B	0.27	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-13	78-87-5	82	1,2-Dichloropropane	0.52	ug/l	U	8260B	0.52	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-13	106-46-7	71	1,4-Dichlorobenzene	1.5	ug/l		8260B	0.3	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-13	78-93-3	141	2-Butanone (MEK)	4.5	ug/l	U	8260B	4.5	100	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-13	591-78-6	124	2-Hexanone	1.6	ug/l	U	8260B	1.6	50	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-13	108-10-1	147	4-Methyl-2-pentanone (MIBK)	1.4	ug/l	U	8260B	1.4	100	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-13	67-64-1	3	Acetone	8.9	ug/l	U	8260B	8.9	100	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-13	107-13-1	8	Acrylonitrile	1.7	ug/l	U	8260B	1.7	200	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-13	SW337	337	Alkalinity	220000	ug/l		310.2	2600	NE	1	1/8/2009	1/12/2009	1/12/2009
33-01	3301-MW-13	7664-41-7	435	Ammonia Nitrogen	34	ug/l	U	350.1	34	NE	1	1/8/2009	1/12/2009	1/13/2009
33-01	3301-MW-13	71-43-2	16	Benzene	1.1	ug/l		8260B	0.29	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-13	SW316	316	BOD	1600	ug/l	U	SM5210B	1600	NE	1	1/8/2009		1/9/2009
33-01	3301-MW-13	74-97-5	28	Bromochloromethane	0.44	ug/l	U	8260B	0.44	3	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-13	75-27-4	29	Bromodichloromethane	0.37	ug/l	U	8260B	0.37	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-13	75-25-2	30	Bromoform	0.51	ug/l	U	8260B	0.51	3	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-13	74-83-9	136	Bromomethane	0.89	ug/l	U	8260B	0.89	10	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-13	7440-70-2	375	Calcium	69000	ug/l		6010B	160	NE	1	1/8/2009	1/9/2009	1/11/2009
33-01	3301-MW-13	75-15-0	35	Carbon disulfide	0.32	ug/l	U	8260B	0.32	100	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-13	56-23-5	36	Carbon tetrachloride	0.31	ug/l	U	8260B	0.31	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-13	16887-00-6	301	Chloride	130000	ug/l		9056	310	NE	1	1/8/2009	1/9/2009	1/9/2009
33-01	3301-MW-13	108-90-7	39	Chlorobenzene	7	ug/l		8260B	0.26	3	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-13	124-48-1	66	Chlorodibromomethane	0.42	ug/l	U	8260B	0.42	3	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-13	75-00-3	41	Chloroethane	0.86	ug/l	U	8260B	0.86	10	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-13	67-66-3	44	Chloroform	0.33	ug/l	U	8260B	0.33	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-13	74-87-3	137	Chloromethane	0.25	ug/l	U	8260B	0.25	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-13	156-59-2	78	cis-1,2-Dichloroethene	15	ug/l		8260B	0.38	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-13	10061-01-5	86	cis-1,3-Dichloropropene	0.26	ug/l	U	8260B	0.26	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-13	7440-48-4	53	Cobalt	1200	ug/l		6010B	1.1	10	1	1/8/2009	1/9/2009	1/11/2009
33-01	3301-MW-13	SW317	317	COD	95000	ug/l		410.4	2700	NE	1	1/8/2009	1/12/2009	1/13/2009
33-01	3301-MW-13	74-95-3	139	Dibromomethane	0.28	ug/l	U	8260B	0.28	10	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-13	100-41-4	110	Ethylbenzene	0.22	ug/l	U	8260B	0.22	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-13	74-88-4	142	Iodomethane	2.6	ug/l	U	8260B	2.6	10	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-13	7439-89-6	340	Iron	9000	ug/l		6010B	24	300	1	1/8/2009	1/9/2009	1/11/2009
33-01	3301-MW-13	7439-95-4	376	Magnesium	19000	ug/l		6010B	23	NE	1	1/8/2009	1/9/2009	1/11/2009
33-01	3301-MW-13	7439-97-6	132	Mercury	0.057	ug/l	U	7470A	0.057	0.2	1	1/8/2009	1/9/2009	1/9/2009
33-01	3301-MW-13	75-09-2	140	Methylene Chloride	0.3	ug/l	U	8260B	0.3	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-13	9/7/7440	377	Potassium	2700	ug/l		6010B	100	NE	1	1/8/2009	1/9/2009	1/11/2009
33-01	3301-MW-13	7440-23-5	322	Sodium	45000	ug/l		6010B	120	NE	1	1/8/2009	1/9/2009	1/11/2009
33-01	3301-MW-13	100-42-5	186	Styrene	0.38	ug/l	U	8260B	0.38	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-13	14808-79-8	315	Sulfate	40000	ug/l		9056	210	250000	1	1/8/2009	1/9/2009	1/9/2009
33-01	3301-MW-13	127-18-4	192	Tetrachloroethene	0.29	ug/l	U	8260B	0.29	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-13	E-10195	357	TOC (Total Organic Carbon)	14000	ug/l		9060A	310	NE	1	1/8/2009	1/9/2009	1/15/2009
33-01	3301-MW-13	108-88-3	196	Toluene	0.27	ug/l	U	8260B	0.27	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-13	156-60-5	79	trans-1,2-Dichloroethene	0.32	ug/l	J	8260B	0.3	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-13	10061-02-6	87	trans-1,3-Dichloropropene	0.24	ug/l	U	8260B	0.24	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-13	110-57-6	73	trans-1,4-Dichloro-2-butene	0.85	ug/l	U	8260B	0.85	100	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-13	79-01-6	201	Trichloroethene	0.51	ug/l	J	8260B	0.37	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-13	75-69-4	203	Trichlorofluoromethane	0.29	ug/l	U	8260B	0.29	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-13	108-05-4	210	Vinyl acetate	1	ug/l	U	8260B	1	50	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-13	75-01-4	211	Vinyl chloride	1.3	ug/l		8260B	0.27	1	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-13	1330-20-7	346	Xylenes, Total	0.86	ug/l	U	8260B	0.86	5	1	1/8/2009	1/10/2009	1/10/2009
33-01	3301-MW-14		318	Depth To Water	3.93	ft						1/8/2009		
33-01	3301-MW-14		411	Total Well Depth	12.00	ft						1/8/2009		
33-01	3301-MW-14		328	TOC Elevation	43.88	ft AMSL						1/8/2009		
33-01	3301-MW-14		319	Groundwater Elevation	39.95	ft AMSL						1/8/2009		
33-01	3301-MW-14		320	pH	6.60	standard units						1/8/2009		
33-01	3301-MW-14		323	Specific Conductivity	0.271	mS/cm						1/8/2009		
33-01	3301-MW-14		325	Temperature	12.63	ºC						1/8/2009		
33-01	3301-MW-14		330	Turbidity	7.00	NTUs						1/8/2009		
33-01	3301-MW-14	630-20-6	190	1,1,1,2-Tetrachloroethane	0.4	ug/l	U	8260B	0.4	5	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-14	71-55-6	200	1,1,1-Trichloroethane	0.27	ug/l	U	8260B	0.27	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-14	79-34-5	191	1,1,2,2-Tetrachloroethane	0.22	ug/l	U	8260B	0.22	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-14	79-00-5	202	1,1,2-Trichloroethane	0.45	ug/l	U	8260B	0.45	5	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-14	75-34-3	75	1,1-Dichloroethane	0.31	ug/l	U	8260B	0.31	5	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-14	75-35-4	77	1,1-Dichloroethene	0.5	ug/l	U	8260B	0.5	5	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-14	96-18-4	206	1,2,3-Trichloropropane	0.36	ug/l	U	8260B	0.36	1	1	1/8/2009	1/13/2009	1/13/2009

33-01	3301-MW-14	96-12-8	67	1,2-Dibromo-3-Chloropropane	0.48	ug/l	U	8260B	0.48	13	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-14	106-93-4	68	1,2-Dibromoethane	0.48	ug/l	U	8260B	0.48	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-14	95-50-1	69	1,2-Dichlorobenzene	0.29	ug/l	U	8260B	0.29	5	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-14	107-06-2	76	1,2-Dichloroethane	0.27	ug/l	U	8260B	0.27	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-14	78-87-5	82	1,2-Dichloropropane	0.52	ug/l	U	8260B	0.52	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-14	106-46-7	71	1,4-Dichlorobenzene	0.3	ug/l	U	8260B	0.3	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-14	78-93-3	141	2-Butanone (MEK)	4.5	ug/l	U	8260B	4.5	100	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-14	591-78-6	124	2-Hexanone	1.6	ug/l	U	8260B	1.6	50	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-14	108-10-1	147	4-Methyl-2-pentanone (MIBK)	1.4	ug/l	U	8260B	1.4	100	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-14	67-64-1	3	Acetone	8.9	ug/l	U	8260B	8.9	100	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-14	107-13-1	8	Acrylonitrile	1.7	ug/l	U	8260B	1.7	200	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-14	71-43-2	16	Benzene	0.29	ug/l	U	8260B	0.29	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-14	74-97-5	28	Bromochloromethane	0.44	ug/l	U	8260B	0.44	3	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-14	75-27-4	29	Bromodichloromethane	0.37	ug/l	U	8260B	0.37	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-14	75-25-2	30	Bromoform	0.51	ug/l	U	8260B	0.51	3	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-14	74-83-9	136	Bromomethane	0.89	ug/l	U	8260B	0.89	10	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-14	75-15-0	35	Carbon disulfide	0.32	ug/l	U	8260B	0.32	100	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-14	56-23-5	36	Carbon tetrachloride	0.31	ug/l	U	8260B	0.31	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-14	108-90-7	39	Chlorobenzene	0.26	ug/l	U	8260B	0.26	3	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-14	124-48-1	66	Chlorodibromomethane	0.42	ug/l	U	8260B	0.42	3	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-14	75-00-3	41	Chloroethane	0.86	ug/l	U	8260B	0.86	10	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-14	67-66-3	44	Chloroform	0.33	ug/l	U	8260B	0.33	5	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-14	74-87-3	137	Chloromethane	0.25	ug/l	U	8260B	0.25	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-14	156-59-2	78	cis-1,2-Dichloroethene	0.38	ug/l	U	8260B	0.38	5	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-14	10061-01-5	86	cis-1,3-Dichloropropene	0.26	ug/l	U	8260B	0.26	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-14	7440-48-4	53	Cobalt	1.1	ug/l	U	6010B	1.1	10	1	1/8/2009	1/9/2009	1/11/2009
33-01	3301-MW-14	74-95-3	139	Dibromomethane	0.28	ug/l	U	8260B	0.28	10	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-14	100-41-4	110	Ethylbenzene	0.22	ug/l	U	8260B	0.22	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-14	74-88-4	142	Iodomethane	2.6	ug/l	U	8260B	2.6	10	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-14	75-09-2	140	Methylene Chloride	0.3	ug/l	U	8260B	0.3	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-14	100-42-5	186	Styrene	0.38	ug/l	U	8260B	0.38	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-14	127-18-4	192	Tetrachloroethene	0.29	ug/l	U	8260B	0.29	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-14	108-88-3	196	Toluene	0.27	ug/l	U	8260B	0.27	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-14	156-60-5	79	trans-1,2-Dichloroethene	0.3	ug/l	U	8260B	0.3	5	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-14	10061-02-6	87	trans-1,3-Dichloropropene	0.24	ug/l	U	8260B	0.24	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-14	110-57-6	73	trans-1,4-Dichloro-2-butene	0.85	ug/l	U	8260B	0.85	100	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-14	79-01-6	201	Trichloroethene	0.37	ug/l	U	8260B	0.37	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-14	75-69-4	203	Trichlorofluoromethane	0.29	ug/l	U	8260B	0.29	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-14	108-05-4	210	Vinyl acetate	1	ug/l	U	8260B	1	50	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-14	75-01-4	211	Vinyl chloride	0.27	ug/l	U	8260B	0.27	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-14	1330-20-7	346	Xylenes, Total	0.86	ug/l	U	8260B	0.86	5	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-15		318	Depth To Water	5.27	ft						1/8/2009		
33-01	3301-MW-15		411	Total Well Depth	11.60	ft						1/8/2009		
33-01	3301-MW-15		328	TOC Elevation	44.87	ft AMSL						1/8/2009		
33-01	3301-MW-15		319	Groundwater Elevation	39.60	ft AMSL						1/8/2009		
33-01	3301-MW-15		320	pH	6.66	standard units						1/8/2009		
33-01	3301-MW-15		323	Specific Conductivity	0.688	mS/cm						1/8/2009		
33-01	3301-MW-15		325	Temperature	14.09	ºC						1/8/2009		
33-01	3301-MW-15		330	Turbidity	4.80	NTUs						1/8/2009		
33-01	3301-MW-15	630-20-6	190	1,1,1,2-Tetrachloroethane	0.4	ug/l	U	8260B	0.4	5	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-15	71-55-6	200	1,1,1-Trichloroethane	0.27	ug/l	U	8260B	0.27	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-15	79-34-5	191	1,1,2,2-Tetrachloroethane	0.22	ug/l	U	8260B	0.22	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-15	79-00-5	202	1,1,2-Trichloroethane	0.45	ug/l	U	8260B	0.45	5	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-15	75-34-3	75	1,1-Dichloroethane	1.8	ug/l		8260B	0.31	5	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-15	75-35-4	77	1,1-Dichloroethene	0.5	ug/l	U	8260B	0.5	5	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-15	96-18-4	206	1,2,3-Trichloropropane	0.36	ug/l	U	8260B	0.36	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-15	96-12-8	67	1,2-Dibromo-3-Chloropropane	0.48	ug/l	U	8260B	0.48	13	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-15	106-93-4	68	1,2-Dibromoethane	0.48	ug/l	U	8260B	0.48	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-15	95-50-1	69	1,2-Dichlorobenzene	0.29	ug/l	U	8260B	0.29	5	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-15	107-06-2	76	1,2-Dichloroethane	0.27	ug/l	U	8260B	0.27	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-15	78-87-5	82	1,2-Dichloropropane	5.1	ug/l		8260B	0.52	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-15	106-46-7	71	1,4-Dichlorobenzene	0.3	ug/l	U	8260B	0.3	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-15	78-93-3	141	2-Butanone (MEK)	4.5	ug/l	U	8260B	4.5	100	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-15	591-78-6	124	2-Hexanone	1.6	ug/l	U	8260B	1.6	50	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-15	108-10-1	147	4-Methyl-2-pentanone (MIBK)	1.4	ug/l	U	8260B	1.4	100	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-15	67-64-1	3	Acetone	8.9	ug/l	U	8260B	8.9	100	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-15	107-13-1	8	Acrylonitrile	1.7	ug/l	U	8260B	1.7	200	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-15	71-43-2	16	Benzene	0.59	ug/l	J	8260B	0.29	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-15	74-97-5	28	Bromochloromethane	0.44	ug/l	U	8260B	0.44	3	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-15	75-27-4	29	Bromodichloromethane	0.37	ug/l	U	8260B	0.37	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-15	75-25-2	30	Bromoform	0.51	ug/l	U	8260B	0.51	3	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-15	74-83-9	136	Bromomethane	0.89	ug/l	U	8260B	0.89	10	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-15	75-15-0	35	Carbon disulfide	0.32	ug/l	U	8260B	0.32	100	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-15	56-23-5	36	Carbon tetrachloride	0.31	ug/l	U	8260B	0.31	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-15	108-90-7	39	Chlorobenzene	1.4	ug/l		8260B	0.26	3	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-15	124-48-1	66	Chlorodibromomethane	0.42	ug/l	U	8260B	0.42	3	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-15	75-00-3	41	Chloroethane	0.86	ug/l	U	8260B	0.86	10	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-15	67-66-3	44	Chloroform	0.33	ug/l	U	8260B	0.33	5	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-15	74-87-3	137	Chloromethane	0.25	ug/l	U	8260B	0.25	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-15	156-59-2	78	cis-1,2-Dichloroethene	33	ug/l		8260B	0.38	5	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-15	10061-01-5	86	cis-1,3-Dichloropropene	0.26	ug/l	U	8260B	0.26	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-15	7440-48-4	53	Cobalt	9.6	ug/l	J	6010B	1.1	10	1	1/8/2009	1/9/2009	1/11/2009
33-01	3301-MW-15	74-95-3	139	Dibromomethane	0.28	ug/l	U	8260B	0.28	10	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-15	100-41-4	110	Ethylbenzene	0.22	ug/l	U	8260B	0.22	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-15	74-88-4	142	Iodomethane	2.6	ug/l	U	8260B	2.6	10	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-15	75-09-2	140	Methylene Chloride	0.3	ug/l	U	8260B	0.3	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-15	100-42-5	186	Styrene	0.38	ug/l	U	8260B	0.38	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-15	127-18-4	192	Tetrachloroethene	0.29	ug/l	U	8260B	0.29	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-15	108-88-3	196	Toluene	0.27	ug/l	U	8260B	0.27	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-15	156-60-5	79	trans-1,2-Dichloroethene	0.86	ug/l	J	8260B	0.3	5	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-15	10061-02-6	87	trans-1,3-Dichloropropene	0.24	ug/l	U	8260B	0.24	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-15	110-57-6	73	trans-1,4-Dichloro-2-butene	0.85	ug/l	U	8260B	0.85	100	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-15	79-01-6	201	Trichloroethene	0.39	ug/l	J	8260B	0.37	1	1	1/8/2009	1/13/2009	1/13/2009

33-01	3301-MW-15	75-69-4	203	Trichlorofluoromethane	0.29	ug/l	U	8260B	0.29	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-15	108-05-4	210	Vinyl acetate	1	ug/l	U	8260B	1	50	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-15	75-01-4	211	Vinyl chloride	4.6	ug/l		8260B	0.27	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-15	1330-20-7	346	Xylenes, Total	0.86	ug/l	U	8260B	0.86	5	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-MW-16		318	Depth To Water	8.42	ft						1/8/2009		
33-01	3301-MW-16		411	Total Well Depth	17.00	ft						1/8/2009		
33-01	3301-MW-16		328	TOC Elevation	46.58	ft AMSL						1/8/2009		
33-01	3301-MW-16		319	Groundwater Elevation	38.16	ft AMSL						1/8/2009		
33-01	3301-MW-16		320	pH	6.54	standard units						1/8/2009		
33-01	3301-MW-16		323	Specific Conductivity	0.486	mS/cm						1/8/2009		
33-01	3301-MW-16		325	Temperature	15.06	ºC						1/8/2009		
33-01	3301-MW-16		330	Turbidity	36.80	NTUs						1/8/2009		
33-01	3301-MW-16	630-20-6	190	1,1,1,2-Tetrachloroethane	0.4	ug/l	U	8260B	0.4	5	1	1/8/2009	1/11/2009	1/11/2009
33-01	3301-MW-16	71-55-6	200	1,1,1-Trichloroethane	0.27	ug/l	U	8260B	0.27	1	1	1/8/2009	1/11/2009	1/11/2009
33-01	3301-MW-16	79-34-5	191	1,1,2,2-Tetrachloroethane	0.22	ug/l	U	8260B	0.22	1	1	1/8/2009	1/11/2009	1/11/2009
33-01	3301-MW-16	79-00-5	202	1,1,2-Trichloroethane	0.45	ug/l	U	8260B	0.45	5	1	1/8/2009	1/11/2009	1/11/2009
33-01	3301-MW-16	75-34-3	75	1,1-Dichloroethane	0.31	ug/l	U	8260B	0.31	5	1	1/8/2009	1/11/2009	1/11/2009
33-01	3301-MW-16	75-35-4	77	1,1-Dichloroethene	0.5	ug/l	U	8260B	0.5	5	1	1/8/2009	1/11/2009	1/11/2009
33-01	3301-MW-16	96-18-4	206	1,2,3-Trichloropropane	0.36	ug/l	U	8260B	0.36	1	1	1/8/2009	1/11/2009	1/11/2009
33-01	3301-MW-16	96-12-8	67	1,2-Dibromo-3-Chloropropane	0.48	ug/l	U	8260B	0.48	13	1	1/8/2009	1/11/2009	1/11/2009
33-01	3301-MW-16	106-93-4	68	1,2-Dibromoethane	0.48	ug/l	U	8260B	0.48	1	1	1/8/2009	1/11/2009	1/11/2009
33-01	3301-MW-16	95-50-1	69	1,2-Dichlorobenzene	0.29	ug/l	U	8260B	0.29	5	1	1/8/2009	1/11/2009	1/11/2009
33-01	3301-MW-16	107-06-2	76	1,2-Dichloroethane	0.27	ug/l	U	8260B	0.27	1	1	1/8/2009	1/11/2009	1/11/2009
33-01	3301-MW-16	78-87-5	82	1,2-Dichloropropane	0.52	ug/l	U	8260B	0.52	1	1	1/8/2009	1/11/2009	1/11/2009
33-01	3301-MW-16	106-46-7	71	1,4-Dichlorobenzene	0.3	ug/l	U	8260B	0.3	1	1	1/8/2009	1/11/2009	1/11/2009
33-01	3301-MW-16	78-93-3	141	2-Butanone (MEK)	4.5	ug/l	U	8260B	4.5	100	1	1/8/2009	1/11/2009	1/11/2009
33-01	3301-MW-16	591-78-6	124	2-Hexanone	1.6	ug/l	U	8260B	1.6	50	1	1/8/2009	1/11/2009	1/11/2009
33-01	3301-MW-16	108-10-1	147	4-Methyl-2-pentanone (MIBK)	1.4	ug/l	U	8260B	1.4	100	1	1/8/2009	1/11/2009	1/11/2009
33-01	3301-MW-16	67-64-1	3	Acetone	8.9	ug/l	U	8260B	8.9	100	1	1/8/2009	1/11/2009	1/11/2009
33-01	3301-MW-16	107-13-1	8	Acrylonitrile	1.7	ug/l	U	8260B	1.7	200	1	1/8/2009	1/11/2009	1/11/2009
33-01	3301-MW-16	SW337	337	Alkalinity	260000	ug/l		310.2	2600	NE	1	1/8/2009	1/12/2009	1/12/2009
33-01	3301-MW-16	7664-41-7	435	Ammonia Nitrogen	3700	ug/l		350.1	34	NE	1	1/8/2009	1/12/2009	1/13/2009
33-01	3301-MW-16	71-43-2	16	Benzene	0.29	ug/l	U	8260B	0.29	1	1	1/8/2009	1/11/2009	1/11/2009
33-01	3301-MW-16	SW316	316	BOD	1600	ug/l	U	SM5210B	1600	NE	1	1/8/2009		1/9/2009
33-01	3301-MW-16	74-97-5	28	Bromochloromethane	0.44	ug/l	U	8260B	0.44	3	1	1/8/2009	1/11/2009	1/11/2009
33-01	3301-MW-16	75-27-4	29	Bromodichloromethane	0.37	ug/l	U	8260B	0.37	1	1	1/8/2009	1/11/2009	1/11/2009
33-01	3301-MW-16	75-25-2	30	Bromoform	0.51	ug/l	U	8260B	0.51	3	1	1/8/2009	1/11/2009	1/11/2009
33-01	3301-MW-16	74-83-9	136	Bromomethane	0.89	ug/l	U	8260B	0.89	10	1	1/8/2009	1/11/2009	1/11/2009
33-01	3301-MW-16	7440-70-2	375	Calcium	50000	ug/l		6010B	160	NE	1	1/8/2009	1/9/2009	1/11/2009
33-01	3301-MW-16	75-15-0	35	Carbon disulfide	0.32	ug/l	U	8260B	0.32	100	1	1/8/2009	1/11/2009	1/11/2009
33-01	3301-MW-16	56-23-5	36	Carbon tetrachloride	0.31	ug/l	U	8260B	0.31	1	1	1/8/2009	1/11/2009	1/11/2009
33-01	3301-MW-16	16887-00-6	301	Chloride	26000	ug/l		9056	310	NE	1	1/8/2009	1/9/2009	1/9/2009
33-01	3301-MW-16	108-90-7	39	Chlorobenzene	0.26	ug/l	U	8260B	0.26	3	1	1/8/2009	1/11/2009	1/11/2009
33-01	3301-MW-16	124-48-1	66	Chlorodibromomethane	0.42	ug/l	U	8260B	0.42	3	1	1/8/2009	1/11/2009	1/11/2009
33-01	3301-MW-16	75-00-3	41	Chloroethane	0.86	ug/l	U	8260B	0.86	10	1	1/8/2009	1/11/2009	1/11/2009
33-01	3301-MW-16	67-66-3	44	Chloroform	0.33	ug/l	U	8260B	0.33	5	1	1/8/2009	1/11/2009	1/11/2009
33-01	3301-MW-16	74-87-3	137	Chloromethane	0.25	ug/l	U	8260B	0.25	1	1	1/8/2009	1/11/2009	1/11/2009
33-01	3301-MW-16	156-59-2	78	cis-1,2-Dichloroethene	0.38	ug/l	U	8260B	0.38	5	1	1/8/2009	1/11/2009	1/11/2009
33-01	3301-MW-16	10061-01-5	86	cis-1,3-Dichloropropene	0.26	ug/l	U	8260B	0.26	1	1	1/8/2009	1/11/2009	1/11/2009
33-01	3301-MW-16	7440-48-4	53	Cobalt	3.3	ug/l	J	6010B	1.1	10	1	1/8/2009	1/9/2009	1/11/2009
33-01	3301-MW-16	SW317	317	COD	45000	ug/l		410.4	2700	NE	1	1/8/2009	1/13/2009	1/14/2009
33-01	3301-MW-16	74-95-3	139	Dibromomethane	0.28	ug/l	U	8260B	0.28	10	1	1/8/2009	1/11/2009	1/11/2009
33-01	3301-MW-16	100-41-4	110	Ethylbenzene	0.22	ug/l	U	8260B	0.22	1	1	1/8/2009	1/11/2009	1/11/2009
33-01	3301-MW-16	74-88-4	142	Iodomethane	2.6	ug/l	U	8260B	2.6	10	1	1/8/2009	1/11/2009	1/11/2009
33-01	3301-MW-16	7439-89-6	340	Iron	39000	ug/l		6010B	24	300	1	1/8/2009	1/9/2009	1/11/2009
33-01	3301-MW-16	7439-95-4	376	Magnesium	8900	ug/l		6010B	23	NE	1	1/8/2009	1/9/2009	1/11/2009
33-01	3301-MW-16	7439-97-6	132	Mercury	0.057	ug/l	U	7470A	0.057	0.2	1	1/8/2009	1/9/2009	1/9/2009
33-01	3301-MW-16	75-09-2	140	Methylene Chloride	0.3	ug/l	U	8260B	0.3	1	1	1/8/2009	1/11/2009	1/11/2009
33-01	3301-MW-16	9/7/7440	377	Potassium	6100	ug/l		6010B	100	NE	1	1/8/2009	1/9/2009	1/11/2009
33-01	3301-MW-16	7440-23-5	322	Sodium	28000	ug/l		6010B	120	NE	1	1/8/2009	1/9/2009	1/11/2009
33-01	3301-MW-16	100-42-5	186	Styrene	0.38	ug/l	U	8260B	0.38	1	1	1/8/2009	1/11/2009	1/11/2009
33-01	3301-MW-16	14808-79-8	315	Sulfate	210	ug/l	U	9056	210	250000	1	1/8/2009	1/9/2009	1/9/2009
33-01	3301-MW-16	127-18-4	192	Tetrachloroethene	0.29	ug/l	U	8260B	0.29	1	1	1/8/2009	1/11/2009	1/11/2009
33-01	3301-MW-16	E-10195	357	TOC (Total Organic Carbon)	15000	ug/l		9060A	310	NE	1	1/8/2009	1/9/2009	1/15/2009
33-01	3301-MW-16	108-88-3	196	Toluene	0.27	ug/l	U	8260B	0.27	1	1	1/8/2009	1/11/2009	1/11/2009
33-01	3301-MW-16	156-60-5	79	trans-1,2-Dichloroethene	0.3	ug/l	U	8260B	0.3	5	1	1/8/2009	1/11/2009	1/11/2009
33-01	3301-MW-16	10061-02-6	87	trans-1,3-Dichloropropene	0.24	ug/l	U	8260B	0.24	1	1	1/8/2009	1/11/2009	1/11/2009
33-01	3301-MW-16	110-57-6	73	trans-1,4-Dichloro-2-butene	0.85	ug/l	U	8260B	0.85	100	1	1/8/2009	1/11/2009	1/11/2009
33-01	3301-MW-16	79-01-6	201	Trichloroethene	0.37	ug/l	U	8260B	0.37	1	1	1/8/2009	1/11/2009	1/11/2009
33-01	3301-MW-16	75-69-4	203	Trichlorofluoromethane	0.29	ug/l	U	8260B	0.29	1	1	1/8/2009	1/11/2009	1/11/2009
33-01	3301-MW-16	108-05-4	210	Vinyl acetate	1	ug/l	U	8260B	1	50	1	1/8/2009	1/11/2009	1/11/2009
33-01	3301-MW-16	75-01-4	211	Vinyl chloride	0.27	ug/l	U	8260B	0.27	1	1	1/8/2009	1/11/2009	1/11/2009
33-01	3301-MW-16	1330-20-7	346	Xylenes, Total	0.86	ug/l	U	8260B	0.86	5	1	1/8/2009	1/11/2009	1/11/2009
33-01	3301-UPSTREAM		319	Groundwater Elevation	44.06	ft AMSL						1/8/2009		
33-01	3301-UPSTREAM		320	pH	7.35	standard units						1/8/2009		
33-01	3301-UPSTREAM		323	Specific Conductivity	0.099	mS/cm						1/8/2009		
33-01	3301-UPSTREAM		325	Temperature	8.59	ºC						1/8/2009		
33-01	3301-UPSTREAM		330	Turbidity	156.30	NTUs						1/8/2009		
33-01	3301-UPSTREAM	630-20-6	190	1,1,1,2-Tetrachloroethane	0.4	ug/l	U	8260B	0.4	5	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-UPSTREAM	71-55-6	200	1,1,1-Trichloroethane	0.27	ug/l	U	8260B	0.27	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-UPSTREAM	79-34-5	191	1,1,2,2-Tetrachloroethane	0.22	ug/l	U	8260B	0.22	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-UPSTREAM	79-00-5	202	1,1,2-Trichloroethane	0.45	ug/l	U	8260B	0.45	5	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-UPSTREAM	75-34-3	75	1,1-Dichloroethane	0.31	ug/l	U	8260B	0.31	5	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-UPSTREAM	75-35-4	77	1,1-Dichloroethene	0.5	ug/l	U	8260B	0.5	5	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-UPSTREAM	96-18-4	206	1,2,3-Trichloropropane	0.36	ug/l	U	8260B	0.36	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-UPSTREAM	96-12-8	67	1,2-Dibromo-3-Chloropropane	0.48	ug/l	U	8260B	0.48	13	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-UPSTREAM	106-93-4	68	1,2-Dibromoethane	0.48	ug/l	U	8260B	0.48	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-UPSTREAM	95-50-1	69	1,2-Dichlorobenzene	0.29	ug/l	U	8260B	0.29	5	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-UPSTREAM	107-06-2	76	1,2-Dichloroethane	0.27	ug/l	U	8260B	0.27	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-UPSTREAM	78-87-5	82	1,2-Dichloropropane	0.52	ug/l	U	8260B	0.52	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-UPSTREAM	106-46-7	71	1,4-Dichlorobenzene	0.3	ug/l	U	8260B	0.3	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-UPSTREAM	78-93-3	141	2-Butanone (MEK)	4.5	ug/l	U	8260B	4.5	100	1	1/8/2009	1/13/2009	1/13/2009

33-01	3301-UPSTREAM	591-78-6	124	2-Hexanone	1.6	ug/l	U	8260B	1.6	50	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-UPSTREAM	108-10-1	147	4-Methyl-2-pentanone (MIBK)	1.4	ug/l	U	8260B	1.4	100	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-UPSTREAM	67-64-1	3	Acetone	8.9	ug/l	U	8260B	8.9	100	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-UPSTREAM	107-13-1	8	Acrylonitrile	1.7	ug/l	U	8260B	1.7	200	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-UPSTREAM	71-43-2	16	Benzene	0.29	ug/l	U	8260B	0.29	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-UPSTREAM	74-97-5	28	Bromochloromethane	0.44	ug/l	U	8260B	0.44	3	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-UPSTREAM	75-27-4	29	Bromodichloromethane	0.37	ug/l	U	8260B	0.37	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-UPSTREAM	75-25-2	30	Bromoform	0.51	ug/l	U	8260B	0.51	3	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-UPSTREAM	74-83-9	136	Bromomethane	0.89	ug/l	U	8260B	0.89	10	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-UPSTREAM	75-15-0	35	Carbon disulfide	0.32	ug/l	U	8260B	0.32	100	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-UPSTREAM	56-23-5	36	Carbon tetrachloride	0.31	ug/l	U	8260B	0.31	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-UPSTREAM	108-90-7	39	Chlorobenzene	0.26	ug/l	U	8260B	0.26	3	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-UPSTREAM	124-48-1	66	Chlorodibromomethane	0.42	ug/l	U	8260B	0.42	3	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-UPSTREAM	75-00-3	41	Chloroethane	0.86	ug/l	U	8260B	0.86	10	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-UPSTREAM	67-66-3	44	Chloroform	0.33	ug/l	U	8260B	0.33	5	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-UPSTREAM	74-87-3	137	Chloromethane	0.25	ug/l	U	8260B	0.25	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-UPSTREAM	156-59-2	78	cis-1,2-Dichloroethene	0.38	ug/l	U	8260B	0.38	5	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-UPSTREAM	10061-01-5	86	cis-1,3-Dichloropropene	0.26	ug/l	U	8260B	0.26	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-UPSTREAM	7440-48-4	53	Cobalt	1.4	ug/l	J	6010B	1.1	10	1	1/8/2009	1/9/2009	1/11/2009
33-01	3301-UPSTREAM	74-95-3	139	Dibromomethane	0.28	ug/l	U	8260B	0.28	10	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-UPSTREAM	100-41-4	110	Ethylbenzene	0.22	ug/l	U	8260B	0.22	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-UPSTREAM	74-88-4	142	Iodomethane	2.6	ug/l	U	8260B	2.6	10	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-UPSTREAM	75-09-2	140	Methylene Chloride	0.3	ug/l	U	8260B	0.3	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-UPSTREAM	100-42-5	186	Styrene	0.38	ug/l	U	8260B	0.38	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-UPSTREAM	127-18-4	192	Tetrachloroethene	0.29	ug/l	U	8260B	0.29	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-UPSTREAM	108-88-3	196	Toluene	0.27	ug/l	U	8260B	0.27	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-UPSTREAM	156-60-5	79	trans-1,2-Dichloroethene	0.3	ug/l	U	8260B	0.3	5	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-UPSTREAM	10061-02-6	87	trans-1,3-Dichloropropene	0.24	ug/l	U	8260B	0.24	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-UPSTREAM	110-57-6	73	trans-1,4-Dichloro-2-butene	0.85	ug/l	U	8260B	0.85	100	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-UPSTREAM	79-01-6	201	Trichloroethene	0.37	ug/l	U	8260B	0.37	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-UPSTREAM	75-69-4	203	Trichlorofluoromethane	0.29	ug/l	U	8260B	0.29	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-UPSTREAM	108-05-4	210	Vinyl acetate	1	ug/l	U	8260B	1	50	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-UPSTREAM	75-01-4	211	Vinyl chloride	0.27	ug/l	U	8260B	0.27	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-UPSTREAM	1330-20-7	346	Xylenes, Total	0.86	ug/l	U	8260B	0.86	5	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-DOWNSTREAM		319	Groundwater Elevation	38.67	ft AMSL						1/8/2009		
33-01	3301-DOWNSTREAM		320	pH	7.05	standard units						1/8/2009		
33-01	3301-DOWNSTREAM		323	Specific Conductivity	0.134	mS/cm						1/8/2009		
33-01	3301-DOWNSTREAM		325	Temperature	9.20	ºC						1/8/2009		
33-01	3301-DOWNSTREAM		330	Turbidity	8.30	NTUs						1/8/2009		
33-01	3301-DOWNSTREAM	630-20-6	190	1,1,1,2-Tetrachloroethane	0.4	ug/l	U	8260B	0.4	5	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-DOWNSTREAM	71-55-6	200	1,1,1-Trichloroethane	0.27	ug/l	U	8260B	0.27	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-DOWNSTREAM	79-34-5	191	1,1,2,2-Tetrachloroethane	0.22	ug/l	U	8260B	0.22	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-DOWNSTREAM	79-00-5	202	1,1,2-Trichloroethane	0.45	ug/l	U	8260B	0.45	5	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-DOWNSTREAM	75-34-3	75	1,1-Dichloroethane	0.31	ug/l	U	8260B	0.31	5	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-DOWNSTREAM	75-35-4	77	1,1-Dichloroethene	0.5	ug/l	U	8260B	0.5	5	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-DOWNSTREAM	96-18-4	206	1,2,3-Trichloropropane	0.36	ug/l	U	8260B	0.36	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-DOWNSTREAM	96-12-8	67	1,2-Dibromo-3-Chloropropane	0.48	ug/l	U	8260B	0.48	13	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-DOWNSTREAM	106-93-4	68	1,2-Dibromoethane	0.48	ug/l	U	8260B	0.48	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-DOWNSTREAM	95-50-1	69	1,2-Dichlorobenzene	0.29	ug/l	U	8260B	0.29	5	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-DOWNSTREAM	107-06-2	76	1,2-Dichloroethane	0.27	ug/l	U	8260B	0.27	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-DOWNSTREAM	78-87-5	82	1,2-Dichloropropane	0.52	ug/l	U	8260B	0.52	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-DOWNSTREAM	106-46-7	71	1,4-Dichlorobenzene	0.3	ug/l	U	8260B	0.3	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-DOWNSTREAM	78-93-3	141	2-Butanone (MEK)	4.5	ug/l	U	8260B	4.5	100	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-DOWNSTREAM	591-78-6	124	2-Hexanone	1.6	ug/l	U	8260B	1.6	50	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-DOWNSTREAM	108-10-1	147	4-Methyl-2-pentanone (MIBK)	1.4	ug/l	U	8260B	1.4	100	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-DOWNSTREAM	67-64-1	3	Acetone	8.9	ug/l	U	8260B	8.9	100	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-DOWNSTREAM	107-13-1	8	Acrylonitrile	1.7	ug/l	U	8260B	1.7	200	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-DOWNSTREAM	71-43-2	16	Benzene	0.29	ug/l	U	8260B	0.29	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-DOWNSTREAM	74-97-5	28	Bromochloromethane	0.44	ug/l	U	8260B	0.44	3	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-DOWNSTREAM	75-27-4	29	Bromodichloromethane	0.37	ug/l	U	8260B	0.37	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-DOWNSTREAM	75-25-2	30	Bromoform	0.51	ug/l	U	8260B	0.51	3	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-DOWNSTREAM	74-83-9	136	Bromomethane	0.89	ug/l	U	8260B	0.89	10	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-DOWNSTREAM	75-15-0	35	Carbon disulfide	0.32	ug/l	U	8260B	0.32	100	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-DOWNSTREAM	56-23-5	36	Carbon tetrachloride	0.31	ug/l	U	8260B	0.31	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-DOWNSTREAM	108-90-7	39	Chlorobenzene	0.26	ug/l	U	8260B	0.26	3	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-DOWNSTREAM	124-48-1	66	Chlorodibromomethane	0.42	ug/l	U	8260B	0.42	3	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-DOWNSTREAM	75-00-3	41	Chloroethane	0.86	ug/l	U	8260B	0.86	10	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-DOWNSTREAM	67-66-3	44	Chloroform	0.33	ug/l	U	8260B	0.33	5	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-DOWNSTREAM	74-87-3	137	Chloromethane	0.25	ug/l	U	8260B	0.25	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-DOWNSTREAM	156-59-2	78	cis-1,2-Dichloroethene	0.5	ug/l	J	8260B	0.38	5	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-DOWNSTREAM	10061-01-5	86	cis-1,3-Dichloropropene	0.26	ug/l	U	8260B	0.26	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-DOWNSTREAM	7440-48-4	53	Cobalt	3.4	ug/l	J	6010B	1.1	10	1	1/8/2009	1/9/2009	1/11/2009
33-01	3301-DOWNSTREAM	74-95-3	139	Dibromomethane	0.28	ug/l	U	8260B	0.28	10	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-DOWNSTREAM	100-41-4	110	Ethylbenzene	0.22	ug/l	U	8260B	0.22	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-DOWNSTREAM	74-88-4	142	Iodomethane	2.6	ug/l	U	8260B	2.6	10	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-DOWNSTREAM	75-09-2	140	Methylene Chloride	0.3	ug/l	U	8260B	0.3	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-DOWNSTREAM	100-42-5	186	Styrene	0.38	ug/l	U	8260B	0.38	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-DOWNSTREAM	127-18-4	192	Tetrachloroethene	0.29	ug/l	U	8260B	0.29	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-DOWNSTREAM	108-88-3	196	Toluene	0.27	ug/l	U	8260B	0.27	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-DOWNSTREAM	156-60-5	79	trans-1,2-Dichloroethene	0.3	ug/l	U	8260B	0.3	5	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-DOWNSTREAM	10061-02-6	87	trans-1,3-Dichloropropene	0.24	ug/l	U	8260B	0.24	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-DOWNSTREAM	110-57-6	73	trans-1,4-Dichloro-2-butene	0.85	ug/l	U	8260B	0.85	100	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-DOWNSTREAM	79-01-6	201	Trichloroethene	0.37	ug/l	U	8260B	0.37	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-DOWNSTREAM	75-69-4	203	Trichlorofluoromethane	0.29	ug/l	U	8260B	0.29	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-DOWNSTREAM	108-05-4	210	Vinyl acetate	1	ug/l	U	8260B	1	50	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-DOWNSTREAM	75-01-4	211	Vinyl chloride	0.27	ug/l	U	8260B	0.27	1	1	1/8/2009	1/13/2009	1/13/2009
33-01	3301-DOWNSTREAM	1330-20-7	346	Xylenes, Total	0.86	ug/l	U	8260B	0.86	5	1	1/8/2009	1/13/2009	1/13/2009

NOTES:
U = Compound detected below laboratory method detection limit.
B = Compound also detected in laboratory batch blank.
J = Analyte detected, but below the laboratory reporting limit therefore the result is an estimated concentration.
ft. = feet
TOC = Top of Casing; TOC elevations from site survey.

AMSL = Above Mean Sea Level
(A or B) = Replacement Well
mS/cm = microsiemens/centimeter
ºC = Degrees Celcius
NTUs = Nephelometric Turbidity Units
ug/L = micrograms per liter
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/Surface Water Quality Summary
Edgecombe County Landfill
January 8, 2009 Sampling Event
S&ME Project No. 1054-07-238A

APPENDIX I VOCs EPA METHOD 8260B	UNITS	2L STANDARD	BACKGROUND MONITOR WELLS			COMPLIANCE MONITOR WELLS								QUALITY CONTROL			SURFACE WATER SAMPLING LOCATION		SWSL
			MW-3B	MW-4	MW-9	MW-5	MW-6	MW-7A	MW-12	MW-13	MW-14	MW-15	MW-16	DUPLICATE (MW-5)	EQUIPMENT BLANK	TRIP BLANK	UPSTREAM	DOWNSTREAM	
Benzene	µg/l	1	<0.29	<0.29	<0.29	**3.2**	<0.29	**2.7**	**3.1**	**1.1**	<0.29	**0.59J**	<0.29	**3.3**	<0.29	<0.29	<0.29	<0.29	1
Chlorobenzene	µg/l	50	<0.26	<0.26	<0.26	**9.8**	<0.26	**3.4**	**3**	**7**	<0.26	**1.4**	<0.26	**10**	<0.26	<0.26	<0.26	<0.26	3
Chloroethane	µg/l	2800	<0.86	<0.86	<0.86	**1.6J**	<0.86	**3.6J**	**2.1J**	<0.86	<0.86	<0.86	<0.86	**1.6J**	<0.86	<0.86	<0.86	<0.86	10
1,2-Dichlorobenzene	µg/l	24	<0.29	<0.29	<0.29	**1**	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	**1**	<0.29	<0.29	<0.29	<0.29	5
1,4-Dichlorobenzene	µg/l	1.4	<0.30	<0.30	<0.30	**6.8**	<0.30	**1.2**	**4.5**	**1.5**	<0.30	<0.30	<0.30	**7.2**	<0.30	<0.30	<0.30	<0.30	1
1,1-Dichloroethane	µg/l	70	<0.31	<0.31	<0.31	**15**	<0.31	<0.31	**2.3**	**0.89J**	<0.31	**1.8**	<0.31	**16**	<0.31	<0.31	<0.31	<0.31	5
1,2-Dichloroethane	µg/l	0.38	<0.27	<0.27	<0.27	**1**	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	**1.1**	<0.27	<0.27	<0.27	<0.27	1
1,1-Dichloroethene	µg/l	7	<0.50	<0.50	<0.50	**1.5**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	**1.5**	<0.50	<0.50	<0.50	<0.50	5
cis-1,2-Dichloroethene	µg/l	70	<0.38	<0.38	<0.38	**530**	<0.38	**0.52J**	**1.7**	**15**	<0.38	**33**	<0.38	**550**	<0.38	<0.38	<0.38	**0.5J**	5
trans-1,2-Dichloroethene	µg/l	100	<0.30	<0.30	<0.30	**5.3**	<0.30	<0.30	<0.30	**0.32J**	<0.30	**0.86J**	<0.30	**5.8**	<0.30	<0.30	<0.30	<0.30	5
1,2-Dichloropropane	µg/l	0.51	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	**5.1**	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	1
Tetrachloroethene	µg/l	0.7	<0.29	<0.29	<0.29	**0.32J**	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	**0.44J**	<0.29	<0.29	<0.29	<0.29	1
Toluene	µg/l	1000	<0.27	<0.27	<0.27	**0.61J**	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	**0.57J**	<0.27	<0.27	<0.27	<0.27	1
Trichloroethene	µg/l	2.8	<0.37	<0.37	<0.37	**6.1**	<0.37	<0.37	<0.37	**0.51J**	<0.37	**0.39J**	<0.37	**6.9**	<0.37	<0.37	<0.37	<0.37	1
Vinyl chloride	µg/l	0.015	<0.27	<0.27	<0.27	**33**	<0.27	**0.4J**	**0.46J**	**1.3**	<0.27	**4.6**	<0.27	**33**	<0.27	<0.27	<0.27	<0.27	1
APP. I INORGANIC COMPOUNDS EPA METHOD 6010B	**UNITS**	**2L STANDARD**	**BACKGROUND MONITOR WELLS**			**COMPLIANCE MONITOR WELLS**								**QUALITY CONTROL**			**SURFACE WATER SAMPLING LOCATION**		**SWSL**
			MW-3B	**MW-4**	**MW-9**	**MW-5**	**MW-6**	**MW-7A**	**MW-12**	**MW-13**	**MW-14**	**MW-15**	**MW-16**	**DUPLICATE (MW-5)**	**EQUIPMENT BLANK**	**TRIP BLANK**	**UPSTREAM**	**DOWNSTREAM**	
Cobalt	µg/l	70*	**26**	<1.1	<1.1	**160**	**5.1J**	**3.1J**	**12**	**1200**	<1.1	**9.6J**	**3.3J**	**140**	<1.1	NS	**1.4J**	**3.4J**	10

NOTES:
Samples were collected on January 8, 2009 and analyzed by Environmental Science Corp Inc. (ESC). Detection limits are shown on laboratory reports.
Values which are **BOLD** indicate levels above laboratory detection limits.
Values which are **BOLD** and shaded indicate levels above their respective NCDENR 2L or GWPST.
2L STANDARD = North Carolina groundwater standards as promulgated by 15A North Carolina Administrative Code, Subchapter 2L.
SWSL = Solid Waste Section Limit. (ref. NC DENR-DWM, Solid Waste Section February 23, 2007 memorandum)
* Indicates there is currently no 2L Standard. The target analyte was compared to the Solid Waste Groundwater Protection Standard (GWPST).
** Several methods were used in the laboratory anaysis for the geochemical parameters. These methods are listed in the laboratoy report in Appendix I.
J = Analyte detected, but below the laboratory reporting limit therefore the result is an estimated concentration.
µg/L = Micrograms Per Liter
VOCs = Volatile Organic Compounds
NS = Not Sampled for this parameter.
Duplicate sample collected from monitor well MW-5.
Compounds not shown were not detected during this sampling event.

Table 3
Geochemical / MNA Constituent Summary
Edgecombe County Landfill
January 8, 2009 Sampling Event
S&ME Project No. 1054-07-238A

MONITORED NATURAL ATTENUATION PARAMETERS**	UNITS	BACKGROUND MONITOR WELLS			COMPLIANCE MONITOR WELLS								Surface Water	
		MW-3B	MW-4	MW-9	MW-5	MW-6	MW-7A	MW-12	MW-13	MW-14	MW-15	MW-16	Upstream	Downstream
ph	Std	4.67	6.45	7.4	6.78	5.48	6.66	4.82	6	6.6	6.66	6.54	7.35	7.05
Temperature	^{o}C	15.25	14.14	15.95	15.84	13.81	16.3	14.06	15.68	12.63	14.09	15.06	8.59	9.2
Specific Conductance	mS/cm	0.167	0.137	0.16	0.913	0.231	0.772	0.585	0.741	0.271	0.688	0.846	0.099	0.134
Oxygen Reduction Potential ORP	mV	216.5	88.2	161	78.1	230.2	78.8	237.2	78.4	17.7	4.8	65.1	75.9	6.7
Dissolved Oxygen	mg/L	0.26	2.44	2	1.56	0.51	1.18	0.73	0.72	3.52	5.25	0.47	15.04	9.12
Chloride	µg/l	NS	NS	NS	13000	11000	19000	NS	130000	NS	NS	26000	NS	NS
Sulfate	µg/l	NS	NS	NS	48000	96000	7300	NS	40000	NS	NS	<210	NS	NS
Alkalinity	µg/l	NS	NS	NS	490000	28000	470000	NS	220000	NS	NS	260000	NS	NS
BOD	µg/l	NS	NS	NS	<1600	<1600	<1600	NS	<1600	NS	NS	<1600	NS	NS
COD	µg/l	NS	NS	NS	78000	24000	45000	NS	95000	NS	NS	45000	NS	NS
Ammonia Nitrogen	µg/l	NS	NS	NS	<34	87J	97J	NS	<34	NS	NS	3700	NS	NS
TOC (Total Organic Carbon)	µg/l	NS	NS	NS	7800	6000	8200	NS	14000	NS	NS	15000	NS	NS
Calcium	µg/l	NS	NS	NS	120000	33000	28000	NS	69000	NS	NS	50000	NS	NS
Iron	µg/l	NS	NS	NS	97000	610	200000	NS	9000	NS	NS	39000	NS	NS
Magnesium	µg/l	NS	NS	NS	15000	5400	10000	NS	19000	NS	NS	8900	NS	NS
Potassium	µg/l	NS	NS	NS	2200	3800	1700	NS	2700	NS	NS	6100	NS	NS
Sodium	µg/l	NS	NS	NS	10000	6800	10000	NS	45000	NS	NS	28000	NS	NS

NOTES:
Samples were collected on January 8, 2009 and analyzed by Environmental Science Corp Inc. (ESC). Detection limits are shown on laboratory reports.
Values which are **BOLD** indicate levels above laboratory detection limits.
** Several methods were used in the laboratory anaysis for the geochemical parameters. These methods are listed in the laboratoy report in Appendix I.
J = Analyte detected, but below the laboratory reporting limit therefore the result is an estimated concentration.
µg/L = Micrograms Per Liter
NS = Not Sampled for this parameter.
mg/L = Milligrams per Liter
Std = Standard Units
^{o}C = Degrees Celsius
mV = Millivolt
mS/cm = Microsiemens per Centimeter

Table 4
Non-Detected Results Used to Select Statistical Tests
Laboratory Analytical Data from September 1994 to January 2009
Edgecombe County Landfill
S&ME Project No. 1054-07-238A

Parameters	Number of Detected Values	Total Number of Values	Number of NDs	Percent NDs	Selected Test
Appendix I Volatile Organic Compounds					
Benzene	29	196	167	85%	WRST
Chlorobenzene	33	196	163	83%	WRST
Chloroethane	24	196	172	88%	WRST
1,2-Diclorobenzene	3	181	178	98%	WRST
1,4-Dichlorobenzene	25	196	171	87%	WRST
1,1-Dichloroethane	41	196	155	79%	WRST
1,2-Dichloroethane	4	196	192	98%	WRST
1,1-Dichloroethene	5	196	191	97%	WRST
cis-1,2-Dichloroethene	43	196	153	78%	WRST
trans-1,2-Dichloroethene	18	196	178	91%	WRST
1,2-Dichloropropane	3	196	193	98%	WRST
Tetrachloroethene	20	196	176	90%	WRST
Toluene	8	196	188	96%	WRST
Trichloroethene	30	196	166	85%	WRST
Vinyl chloride	34	196	162	83%	WRST
Appendix I Inorganic Compound					
Cobalt	66	194	128	66%	WRST

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

Table 5
Summary of Statistical Analyses
Wilcoxon Rank Sum Test (Interwell Comparisons)
Laboratory Analytical Data January 1994 to January 2009
Edgecombe County Landfill
S&ME Project No. 1054-07-238A

Parameters	Evidence of Release MW-5	Evidence of Release MW-6	Evidence of Release MW-7A
Appendix I Volatile Organic Compounds			
Benzene	**YES**	no	**YES**
Chlorobenzene	**YES**	no	**YES**
Chloroethane	**YES**	no	**YES**
1,2-Diclorobenzene	**YES**	no	no
1,4-Dichlorobenzene	**YES**	no	**YES**
1,1-Dichloroethane	**YES**	**YES**	no
1,2-Dichloroethane	**YES**	no	no
1,1-Dichloroethene	**YES**	no	no
cis-1,2-Dichloroethene	**YES**	no	**YES**
trans-1,2-Dichloroethene	**YES**	no	no
1,2-Dichloropropane	no	no	no
Tetrachloroethene	**YES**	no	no
Toluene	no	no	no
Trichloroethene	**YES**	no	no
Vinyl chloride	**YES**	no	**YES**
Appendix I Inorganic Compound			
Cobalt	**YES**	no	no

Notes:

Tests compared at the 1% significance level.

Statistcal analysis of data was performed using the ChemStat® statistical software by Starpoint Software.

Table 6
Two-Way Test of Proportions
Non-Parametric Comparison of 95% Confidence Level to Applicable Standard
September 1994 to January 2009
Edgecombe County Landfill
S&ME Project No. 1054-07-238A

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	2800	no
1,2-Diclorobenzene	24	no
1,4-Dichlorobenzene	1.4	no
1,1-Dichloroethane	**70**	**YES**
1,2-Dichloroethane	0.38	no
1,1-Dichloroethene	7	no
cis-1,2-Dichloroethene	**70**	**YES**
trans-1,2-Dichloroethene	100	no
1,2-Dichloropropane	0.51	no
Tetrachloroethene	0.7	no
Toluene	1000	no
Trichloroethene	**2.8**	**YES**
Vinyl chloride	0.015	no
Appendix I Inorganic Compound		
Cobalt	**70***	**YES**

Notes:
CL = Confidence Level
Statistcal analysis of data was performed using the ChemStat® statistical software by Starpoint Software.
2L STANDARD = North Carolina groundwater standards as promulgated by 15A North Carolina Administrative Code, Subchapter 2L.
*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 2009
Edgecombe County Landfill
S&ME Project No. 1054-07-238A

Parameters	**MW-5**	**MW-6**	**MW-7A**
Appendix I Volatile Organic Compounds			
Benzene	No Trend / No Trend	NA	No Trend / No Trend
1,1-Dichloroethane	**No Trend / Downward Trend**	No Trend / No Trend	NA
cis-1,2-Dichloroethene	**Upward Trend / Upward Trend**	NA	No Trend / No Trend
Trichloroethene	**No Trend / Downward Trend**	NA	NA
Appendix I Inorganic Compound			
Cobalt	**Upward Trend / Upward Trend**	NA	NA

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

APPENDIX I

REPORT OF LABORATORY ANALYSES

ENVIRONMENTAL
SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

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

Raleigh, NC 27616

Report Summary

Friday January 16, 2009

Report Number: L382673
Samples Received: 01/09/09
Client Project: 1054-07-238A

Description: Edgecombe Landfill

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

Entire Report Reviewed By:

Tom Mellette, ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - I-2327, CT - PH-0197, FL - E87487
GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375,DW21704, ND - R-140
NJ - TN002, SC - 84004, TN - 2006, VA - 00109, WV - 233
AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910

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Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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Fax (615) 758-5859

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REPORT OF ANALYSIS

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

January 16, 2009

ESC Sample # : L382673-01

Date Received : January 09, 2009
Description : Edgecombe Landfill

Site ID :

Sample ID : MW-5

Project # : 1054-07-238A

Collected By : M. Logut
Collection Date : 01/08/09 17:55

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Chloride	13000	310	1000	ug/l	9056	01/09/09	1	
Sulfate	48000	210	5000	ug/l	9056	01/09/09	1	250000
Alkalinity	490000	2600	10000	ug/l	310.2	01/12/09	1	
BOD	U	1600	5000	ug/l	SM5210B	01/09/09	1	
COD	78000	2700	20000	ug/l	410.4	01/13/09	1	
Ammonia Nitrogen	U	34.	100	ug/l	350.1	01/13/09	1	
TOC (Total Organic Carbon)	7800	310	1000	ug/l	9060A	01/15/09	1	
Mercury	U	0.057	0.20	ug/l	7470A	01/09/09	1	.2
Calcium	120000	160	500	ug/l	6010B	01/11/09	1	
Cobalt	160	1.1	10.	ug/l	6010B	01/11/09	1	10
Iron	97000	24.	100	ug/l	6010B	01/11/09	1	300
Magnesium	15000	23.	100	ug/l	6010B	01/11/09	1	
Potassium	2200	100	500	ug/l	6010B	01/11/09	1	
Sodium	10000	120	500	ug/l	6010B	01/11/09	1	
Volatile Organics								
Acetone	U	8.9	50.	ug/l	8260B	01/10/09	1	100
Acrylonitrile	U	1.7	10.	ug/l	8260B	01/10/09	1	200
Benzene	3.2	0.29	1.0	ug/l	8260B	01/10/09	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	01/10/09	1	3
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	01/10/09	1	1
Bromoform	U	0.51	1.0	ug/l	8260B	01/10/09	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	01/10/09	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	01/10/09	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	01/10/09	1	1
Chlorobenzene	9.8	0.26	1.0	ug/l	8260B	01/10/09	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	01/10/09	1	1
Chloroethane	1.6	0.86	5.0	ug/l	8260B	01/10/09	1	10
Chloroform	U	0.33	5.0	ug/l	8260B	01/10/09	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	01/10/09	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	01/10/09	1	1
1,2-Dichlorobenzene	1.0	0.29	1.0	ug/l	8260B	01/10/09	1	5
1,4-Dichlorobenzene	6.8	0.30	1.0	ug/l	8260B	01/10/09	1	1
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	01/10/09	1	100
1,1-Dichloroethane	15.	0.31	1.0	ug/l	8260B	01/10/09	1	5

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

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

January 16, 2009

ESC Sample # : L382673-01

Date Received : January 09, 2009
Description : Edgecombe Landfill

Site ID :

Sample ID : MW-5

Project # : 1054-07-238A

Collected By : M. Logut
Collection Date : 01/08/09 17:55

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
1,2-Dichloroethane	1.0	0.27	1.0	ug/l	8260B	01/10/09	1	1
1,1-Dichloroethene	1.5	0.50	1.0	ug/l	8260B	01/10/09	1	5
cis-1,2-Dichloroethene	530	3.8	10.	ug/l	8260B	01/11/09	10	5
trans-1,2-Dichloroethene	5.3	0.30	1.0	ug/l	8260B	01/10/09	1	5
1,2-Dichloropropane	U	0.52	1.0	ug/l	8260B	01/10/09	1	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	01/10/09	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	01/10/09	1	1
Ethylbenzene	U	0.22	1.0	ug/l	8260B	01/10/09	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	01/10/09	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	01/10/09	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	01/10/09	1	10
Methylene Chloride	U	0.30	5.0	ug/l	8260B	01/10/09	1	1
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	01/10/09	1	100
Styrene	U	0.38	1.0	ug/l	8260B	01/10/09	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	01/10/09	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	01/10/09	1	1
Tetrachloroethene	0.32	0.29	1.0	ug/l	8260B	01/10/09	1	1
Toluene	0.61	0.27	5.0	ug/l	8260B	01/10/09	1	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	01/10/09	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	01/10/09	1	5
Trichloroethene	6.1	0.37	1.0	ug/l	8260B	01/10/09	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	01/10/09	1	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	01/10/09	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	01/10/09	1	50
Vinyl chloride	33.	0.27	1.0	ug/l	8260B	01/10/09	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	01/10/09	1	4
1,2-Dibromoethane	U	0.48	1.0	ug/l	8260B	01/10/09	1	1
1,2-Dibromo-3-Chloropropane	U	0.48	5.0	ug/l	8260B	01/10/09	1	1
Surrogate Recovery								
Toluene-d8	101.			% Rec.	8260B	01/10/09	1	
Dibromofluoromethane	101.			% Rec.	8260B	01/10/09	1	
4-Bromofluorobenzene	102.			% Rec.	8260B	01/10/09	1	

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

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

January 16, 2009

ESC Sample # : L382673-02

Date Received : January 09, 2009
Description : Edgecombe Landfill

Site ID :

Sample ID : MW-6

Project # : 1054-07-238A

Collected By : M. Logut
Collection Date : 01/08/09 16:52

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Chloride	11000	310	1000	ug/l	9056	01/09/09	1	
Sulfate	96000	210	5000	ug/l	9056	01/09/09	1	250000
Alkalinity	28000	2600	10000	ug/l	310.2	01/12/09	1	
BOD	U	1600	5000	ug/l	SM5210B	01/09/09	1	
COD	24000	2700	20000	ug/l	410.4	01/13/09	1	
Ammonia Nitrogen	87.	34.	100	ug/l	350.1	01/13/09	1	
TOC (Total Organic Carbon)	6000	310	1000	ug/l	9060A	01/15/09	1	
Mercury	U	0.057	0.20	ug/l	7470A	01/09/09	1	.2
Calcium	33000	160	500	ug/l	6010B	01/11/09	1	
Cobalt	5.1	1.1	10.	ug/l	6010B	01/11/09	1	10
Iron	610	24.	100	ug/l	6010B	01/11/09	1	300
Magnesium	5400	23.	100	ug/l	6010B	01/11/09	1	
Potassium	3800	100	500	ug/l	6010B	01/11/09	1	
Sodium	6800	120	500	ug/l	6010B	01/11/09	1	
Volatile Organics								
Acetone	U	8.9	50.	ug/l	8260B	01/10/09	1	100
Acrylonitrile	U	1.7	10.	ug/l	8260B	01/10/09	1	200
Benzene	U	0.29	1.0	ug/l	8260B	01/10/09	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	01/10/09	1	3
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	01/10/09	1	1
Bromoform	U	0.51	1.0	ug/l	8260B	01/10/09	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	01/10/09	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	01/10/09	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	01/10/09	1	1
Chlorobenzene	U	0.26	1.0	ug/l	8260B	01/10/09	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	01/10/09	1	1
Chloroethane	U	0.86	5.0	ug/l	8260B	01/10/09	1	10
Chloroform	U	0.33	5.0	ug/l	8260B	01/10/09	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	01/10/09	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	01/10/09	1	1
1,2-Dichlorobenzene	U	0.29	1.0	ug/l	8260B	01/10/09	1	5
1,4-Dichlorobenzene	U	0.30	1.0	ug/l	8260B	01/10/09	1	1
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	01/10/09	1	100
1,1-Dichloroethane	U	0.31	1.0	ug/l	8260B	01/10/09	1	5

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

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REPORT OF ANALYSIS

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

January 16, 2009

ESC Sample # : L382673-02

Date Received : January 09, 2009
Description : Edgecombe Landfill

Site ID :

Sample ID : MW-6

Project # : 1054-07-238A

Collected By : M. Logut
Collection Date : 01/08/09 16:52

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
1,2-Dichloroethane	U	0.27	1.0	ug/l	8260B	01/10/09	1	1
1,1-Dichloroethene	U	0.50	1.0	ug/l	8260B	01/10/09	1	5
cis-1,2-Dichloroethene	U	0.38	1.0	ug/l	8260B	01/11/09	1	5
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l	8260B	01/10/09	1	5
1,2-Dichloropropane	U	0.52	1.0	ug/l	8260B	01/10/09	1	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	01/10/09	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	01/10/09	1	1
Ethylbenzene	U	0.22	1.0	ug/l	8260B	01/10/09	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	01/10/09	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	01/10/09	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	01/10/09	1	10
Methylene Chloride	U	0.30	5.0	ug/l	8260B	01/10/09	1	1
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	01/10/09	1	100
Styrene	U	0.38	1.0	ug/l	8260B	01/10/09	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	01/10/09	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	01/10/09	1	1
Tetrachloroethene	U	0.29	1.0	ug/l	8260B	01/10/09	1	1
Toluene	U	0.27	5.0	ug/l	8260B	01/10/09	1	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	01/10/09	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	01/10/09	1	5
Trichloroethene	U	0.37	1.0	ug/l	8260B	01/10/09	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	01/10/09	1	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	01/10/09	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	01/10/09	1	50
Vinyl chloride	U	0.27	1.0	ug/l	8260B	01/10/09	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	01/10/09	1	4
1,2-Dibromoethane	U	0.48	1.0	ug/l	8260B	01/10/09	1	1
1,2-Dibromo-3-Chloropropane	U	0.48	5.0	ug/l	8260B	01/10/09	1	1
Surrogate Recovery								
Toluene-d8	101.			% Rec.	8260B	01/10/09	1	
Dibromofluoromethane	102.			% Rec.	8260B	01/10/09	1	
4-Bromofluorobenzene	101.			% Rec.	8260B	01/10/09	1	

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

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REPORT OF ANALYSIS

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

January 16, 2009

ESC Sample # : L382673-03

Site ID :

Project # : 1054-07-238A

Date Received : January 09, 2009
Description : Edgecombe Landfill

Sample ID : MW-7A

Collected By : M. Logut
Collection Date : 01/08/09 17:25

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Chloride	19000	310	1000	ug/l	9056	01/09/09	1	
Sulfate	7300	210	5000	ug/l	9056	01/09/09	1	250000
Alkalinity	470000	2600	10000	ug/l	310.2	01/12/09	1	
BOD	U	1600	5000	ug/l	SM5210B	01/09/09	1	
COD	45000	2700	20000	ug/l	410.4	01/13/09	1	
Ammonia Nitrogen	97.	34.	100	ug/l	350.1	01/13/09	1	
TOC (Total Organic Carbon)	8200	310	1000	ug/l	9060A	01/15/09	1	
Mercury	U	0.057	0.20	ug/l	7470A	01/09/09	1	.2
Calcium	28000	160	500	ug/l	6010B	01/11/09	1	
Cobalt	3.1	1.1	10.	ug/l	6010B	01/11/09	1	10
Iron	200000	24.	100	ug/l	6010B	01/11/09	1	300
Magnesium	10000	23.	100	ug/l	6010B	01/11/09	1	
Potassium	1700	100	500	ug/l	6010B	01/11/09	1	
Sodium	10000	120	500	ug/l	6010B	01/11/09	1	
Volatile Organics								
Acetone	U	8.9	50.	ug/l	8260B	01/10/09	1	100
Acrylonitrile	U	1.7	10.	ug/l	8260B	01/10/09	1	200
Benzene	2.7	0.29	1.0	ug/l	8260B	01/10/09	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	01/10/09	1	3
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	01/10/09	1	1
Bromoform	U	0.51	1.0	ug/l	8260B	01/10/09	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	01/10/09	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	01/10/09	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	01/10/09	1	1
Chlorobenzene	3.4	0.26	1.0	ug/l	8260B	01/10/09	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	01/10/09	1	1
Chloroethane	3.6	0.86	5.0	ug/l	8260B	01/10/09	1	10
Chloroform	U	0.33	5.0	ug/l	8260B	01/10/09	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	01/10/09	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	01/10/09	1	1
1,2-Dichlorobenzene	U	0.29	1.0	ug/l	8260B	01/10/09	1	5
1,4-Dichlorobenzene	1.2	0.30	1.0	ug/l	8260B	01/10/09	1	1
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	01/10/09	1	100
1,1-Dichloroethane	U	0.31	1.0	ug/l	8260B	01/10/09	1	5

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

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

January 16, 2009

ESC Sample # : L382673-03

Date Received : January 09, 2009
Description : Edgecombe Landfill

Site ID :

Sample ID : MW-7A

Project # : 1054-07-238A

Collected By : M. Logut
Collection Date : 01/08/09 17:25

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
1,2-Dichloroethane	U	0.27	1.0	ug/l	8260B	01/10/09	1	1
1,1-Dichloroethene	U	0.50	1.0	ug/l	8260B	01/10/09	1	5
cis-1,2-Dichloroethene	0.52	0.38	1.0	ug/l	8260B	01/11/09	1	5
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l	8260B	01/10/09	1	5
1,2-Dichloropropane	U	0.52	1.0	ug/l	8260B	01/10/09	1	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	01/10/09	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	01/10/09	1	1
Ethylbenzene	U	0.22	1.0	ug/l	8260B	01/10/09	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	01/10/09	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	01/10/09	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	01/10/09	1	10
Methylene Chloride	U	0.30	5.0	ug/l	8260B	01/10/09	1	1
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	01/10/09	1	100
Styrene	U	0.38	1.0	ug/l	8260B	01/10/09	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	01/10/09	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	01/10/09	1	1
Tetrachloroethene	U	0.29	1.0	ug/l	8260B	01/10/09	1	1
Toluene	U	0.27	5.0	ug/l	8260B	01/10/09	1	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	01/10/09	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	01/10/09	1	5
Trichloroethene	U	0.37	1.0	ug/l	8260B	01/10/09	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	01/10/09	1	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	01/10/09	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	01/10/09	1	50
Vinyl chloride	0.40	0.27	1.0	ug/l	8260B	01/10/09	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	01/10/09	1	4
1,2-Dibromoethane	U	0.48	1.0	ug/l	8260B	01/10/09	1	1
1,2-Dibromo-3-Chloropropane	U	0.48	5.0	ug/l	8260B	01/10/09	1	1
Surrogate Recovery								
Toluene-d8	100.			% Rec.	8260B	01/10/09	1	
Dibromofluoromethane	101.			% Rec.	8260B	01/10/09	1	
4-Bromofluorobenzene	102.			% Rec.	8260B	01/10/09	1	

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

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

January 16, 2009

ESC Sample # : L382673-04

Date Received : January 09, 2009
Description : Edgecombe Landfill

Site ID :

Sample ID : MW-13

Project # : 1054-07-238A

Collected By : M. Logut
Collection Date : 01/08/09 15:30

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Chloride	130000	310	1000	ug/l	9056	01/09/09	1	
Sulfate	40000	210	5000	ug/l	9056	01/09/09	1	250000
Alkalinity	220000	2600	10000	ug/l	310.2	01/12/09	1	
BOD	U	1600	5000	ug/l	SM5210B	01/09/09	1	
COD	95000	2700	20000	ug/l	410.4	01/13/09	1	
Ammonia Nitrogen	U	34.	100	ug/l	350.1	01/13/09	1	
TOC (Total Organic Carbon)	14000	310	1000	ug/l	9060A	01/15/09	1	
Mercury	U	0.057	0.20	ug/l	7470A	01/09/09	1	.2
Calcium	69000	160	500	ug/l	6010B	01/11/09	1	
Cobalt	1200	1.1	10.	ug/l	6010B	01/11/09	1	10
Iron	9000	24.	100	ug/l	6010B	01/11/09	1	300
Magnesium	19000	23.	100	ug/l	6010B	01/11/09	1	
Potassium	2700	100	500	ug/l	6010B	01/11/09	1	
Sodium	45000	120	500	ug/l	6010B	01/11/09	1	
Volatile Organics								
Acetone	U	8.9	50.	ug/l	8260B	01/10/09	1	100
Acrylonitrile	U	1.7	10.	ug/l	8260B	01/10/09	1	200
Benzene	1.1	0.29	1.0	ug/l	8260B	01/10/09	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	01/10/09	1	3
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	01/10/09	1	1
Bromoform	U	0.51	1.0	ug/l	8260B	01/10/09	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	01/10/09	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	01/10/09	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	01/10/09	1	1
Chlorobenzene	7.0	0.26	1.0	ug/l	8260B	01/10/09	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	01/10/09	1	1
Chloroethane	U	0.86	5.0	ug/l	8260B	01/10/09	1	10
Chloroform	U	0.33	5.0	ug/l	8260B	01/10/09	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	01/10/09	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	01/10/09	1	1
1,2-Dichlorobenzene	U	0.29	1.0	ug/l	8260B	01/10/09	1	5
1,4-Dichlorobenzene	1.5	0.30	1.0	ug/l	8260B	01/10/09	1	1
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	01/10/09	1	100
1,1-Dichloroethane	0.89	0.31	1.0	ug/l	8260B	01/10/09	1	5

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

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

January 16, 2009

ESC Sample # : L382673-04

Site ID :

Project # : 1054-07-238A

Date Received : January 09, 2009
Description : Edgecombe Landfill

Sample ID : MW-13

Collected By : M. Logut
Collection Date : 01/08/09 15:30

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
1,2-Dichloroethane	U	0.27	1.0	ug/l	8260B	01/10/09	1	1
1,1-Dichloroethene	U	0.50	1.0	ug/l	8260B	01/10/09	1	5
cis-1,2-Dichloroethene	15.	0.38	1.0	ug/l	8260B	01/10/09	1	5
trans-1,2-Dichloroethene	0.32	0.30	1.0	ug/l	8260B	01/10/09	1	5
1,2-Dichloropropane	U	0.52	1.0	ug/l	8260B	01/10/09	1	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	01/10/09	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	01/10/09	1	1
Ethylbenzene	U	0.22	1.0	ug/l	8260B	01/10/09	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	01/10/09	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	01/10/09	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	01/10/09	1	10
Methylene Chloride	U	0.30	5.0	ug/l	8260B	01/10/09	1	1
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	01/10/09	1	100
Styrene	U	0.38	1.0	ug/l	8260B	01/10/09	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	01/10/09	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	01/10/09	1	1
Tetrachloroethene	U	0.29	1.0	ug/l	8260B	01/10/09	1	1
Toluene	U	0.27	5.0	ug/l	8260B	01/10/09	1	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	01/10/09	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	01/10/09	1	5
Trichloroethene	0.51	0.37	1.0	ug/l	8260B	01/10/09	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	01/10/09	1	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	01/10/09	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	01/10/09	1	50
Vinyl chloride	1.3	0.27	1.0	ug/l	8260B	01/10/09	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	01/10/09	1	4
1,2-Dibromoethane	U	0.48	1.0	ug/l	8260B	01/10/09	1	1
1,2-Dibromo-3-Chloropropane	U	0.48	5.0	ug/l	8260B	01/10/09	1	1
Surrogate Recovery								
Toluene-d8	103.			% Rec.	8260B	01/10/09	1	
Dibromofluoromethane	100.			% Rec.	8260B	01/10/09	1	
4-Bromofluorobenzene	101.			% Rec.	8260B	01/10/09	1	

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SWSL = Solid Waste Section Limit
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REPORT OF ANALYSIS

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

January 16, 2009

ESC Sample # : L382673-05

Date Received : January 09, 2009
Description : Edgecombe Landfill

Site ID :

Sample ID : MW-16

Project # : 1054-07-238A

Collected By : M. Logut
Collection Date : 01/08/09 16:20

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Chloride	26000	310	1000	ug/l	9056	01/09/09	1	
Sulfate	U	210	5000	ug/l	9056	01/09/09	1	250000
Alkalinity	260000	2600	10000	ug/l	310.2	01/12/09	1	
BOD	U	1600	5000	ug/l	SM5210B	01/09/09	1	
COD	45000	2700	20000	ug/l	410.4	01/14/09	1	
Ammonia Nitrogen	3700	34.	100	ug/l	350.1	01/13/09	1	
TOC (Total Organic Carbon)	15000	310	1000	ug/l	9060A	01/15/09	1	
Mercury	U	0.057	0.20	ug/l	7470A	01/09/09	1	.2
Calcium	50000	160	500	ug/l	6010B	01/11/09	1	
Cobalt	3.3	1.1	10.	ug/l	6010B	01/11/09	1	10
Iron	39000	24.	100	ug/l	6010B	01/11/09	1	300
Magnesium	8900	23.	100	ug/l	6010B	01/11/09	1	
Potassium	6100	100	500	ug/l	6010B	01/11/09	1	
Sodium	28000	120	500	ug/l	6010B	01/11/09	1	
Volatile Organics								
Acetone	U	8.9	50.	ug/l	8260B	01/11/09	1	100
Acrylonitrile	U	1.7	10.	ug/l	8260B	01/11/09	1	200
Benzene	U	0.29	1.0	ug/l	8260B	01/11/09	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	01/11/09	1	3
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	01/11/09	1	1
Bromoform	U	0.51	1.0	ug/l	8260B	01/11/09	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	01/11/09	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	01/11/09	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	01/11/09	1	1
Chlorobenzene	U	0.26	1.0	ug/l	8260B	01/11/09	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	01/11/09	1	1
Chloroethane	U	0.86	5.0	ug/l	8260B	01/11/09	1	10
Chloroform	U	0.33	5.0	ug/l	8260B	01/11/09	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	01/11/09	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	01/11/09	1	1
1,2-Dichlorobenzene	U	0.29	1.0	ug/l	8260B	01/11/09	1	5
1,4-Dichlorobenzene	U	0.30	1.0	ug/l	8260B	01/11/09	1	1
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	01/11/09	1	100
1,1-Dichloroethane	U	0.31	1.0	ug/l	8260B	01/11/09	1	5

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

Est. 1970

REPORT OF ANALYSIS

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

January 16, 2009

ESC Sample # : L382673-05

Date Received : January 09, 2009
Description : Edgecombe Landfill

Site ID :

Sample ID : MW-16

Project # : 1054-07-238A

Collected By : M. Logut
Collection Date : 01/08/09 16:20

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
1,2-Dichloroethane	U	0.27	1.0	ug/l	8260B	01/11/09	1	1
1,1-Dichloroethene	U	0.50	1.0	ug/l	8260B	01/11/09	1	5
cis-1,2-Dichloroethene	U	0.38	1.0	ug/l	8260B	01/11/09	1	5
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l	8260B	01/11/09	1	5
1,2-Dichloropropane	U	0.52	1.0	ug/l	8260B	01/11/09	1	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	01/11/09	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	01/11/09	1	1
Ethylbenzene	U	0.22	1.0	ug/l	8260B	01/11/09	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	01/11/09	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	01/11/09	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	01/11/09	1	10
Methylene Chloride	U	0.30	5.0	ug/l	8260B	01/11/09	1	1
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	01/11/09	1	100
Styrene	U	0.38	1.0	ug/l	8260B	01/11/09	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	01/11/09	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	01/11/09	1	1
Tetrachloroethene	U	0.29	1.0	ug/l	8260B	01/11/09	1	1
Toluene	U	0.27	5.0	ug/l	8260B	01/11/09	1	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	01/11/09	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	01/11/09	1	5
Trichloroethene	U	0.37	1.0	ug/l	8260B	01/11/09	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	01/11/09	1	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	01/11/09	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	01/11/09	1	50
Vinyl chloride	U	0.27	1.0	ug/l	8260B	01/11/09	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	01/11/09	1	4
1,2-Dibromoethane	U	0.48	1.0	ug/l	8260B	01/11/09	1	1
1,2-Dibromo-3-Chloropropane	U	0.48	5.0	ug/l	8260B	01/11/09	1	1
Surrogate Recovery								
Toluene-d8	102.			% Rec.	8260B	01/11/09	1	
Dibromofluoromethane	105.			% Rec.	8260B	01/11/09	1	
4-Bromofluorobenzene	99.0			% Rec.	8260B	01/11/09	1	

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

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

January 16, 2009

ESC Sample # : L382673-06

Date Received : January 09, 2009
Description : Edgecombe Landfill

Site ID :

Sample ID : DUPLICATE

Project # : 1054-07-238A

Collected By : M. Logut
Collection Date : 01/08/09 00:00

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Chloride	14000	310	1000	ug/l	9056	01/09/09	1	
Sulfate	56000	210	5000	ug/l	9056	01/09/09	1	250000
Alkalinity	460000	2600	10000	ug/l	310.2	01/12/09	1	
BOD	5900	1600	5000	ug/l	SM5210B	01/09/09	1	
COD	60000	2700	20000	ug/l	410.4	01/14/09	1	
Ammonia Nitrogen	U	34.	100	ug/l	350.1	01/13/09	1	
TOC (Total Organic Carbon)	7200	310	1000	ug/l	9060A	01/15/09	1	
Mercury	U	0.057	0.20	ug/l	7470A	01/09/09	1	.2
Calcium	120000	160	500	ug/l	6010B	01/11/09	1	
Cobalt	140	1.1	10.	ug/l	6010B	01/11/09	1	10
Iron	86000	24.	100	ug/l	6010B	01/11/09	1	300
Magnesium	15000	23.	100	ug/l	6010B	01/11/09	1	
Potassium	1800	100	500	ug/l	6010B	01/11/09	1	
Sodium	9600	120	500	ug/l	6010B	01/11/09	1	
Volatile Organics								
Acetone	U	8.9	50.	ug/l	8260B	01/10/09	1	100
Acrylonitrile	U	1.7	10.	ug/l	8260B	01/10/09	1	200
Benzene	3.3	0.29	1.0	ug/l	8260B	01/10/09	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	01/10/09	1	3
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	01/10/09	1	1
Bromoform	U	0.51	1.0	ug/l	8260B	01/10/09	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	01/10/09	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	01/10/09	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	01/10/09	1	1
Chlorobenzene	10.	0.26	1.0	ug/l	8260B	01/10/09	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	01/10/09	1	1
Chloroethane	1.6	0.86	5.0	ug/l	8260B	01/10/09	1	10
Chloroform	U	0.33	5.0	ug/l	8260B	01/10/09	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	01/10/09	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	01/10/09	1	1
1,2-Dichlorobenzene	1.0	0.29	1.0	ug/l	8260B	01/10/09	1	5
1,4-Dichlorobenzene	7.2	0.30	1.0	ug/l	8260B	01/10/09	1	1
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	01/10/09	1	100
1,1-Dichloroethane	16.	0.31	1.0	ug/l	8260B	01/10/09	1	5

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

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

January 16, 2009

ESC Sample # : L382673-06

Date Received : January 09, 2009
Description : Edgecombe Landfill

Site ID :

Sample ID : DUPLICATE

Project # : 1054-07-238A

Collected By : M. Logut
Collection Date : 01/08/09 00:00

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
1,2-Dichloroethane	1.1	0.27	1.0	ug/l	8260B	01/10/09	1	1
1,1-Dichloroethene	1.5	0.50	1.0	ug/l	8260B	01/10/09	1	5
cis-1,2-Dichloroethene	550	3.8	10.	ug/l	8260B	01/11/09	10	5
trans-1,2-Dichloroethene	5.8	0.30	1.0	ug/l	8260B	01/10/09	1	5
1,2-Dichloropropane	U	0.52	1.0	ug/l	8260B	01/10/09	1	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	01/10/09	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	01/10/09	1	1
Ethylbenzene	U	0.22	1.0	ug/l	8260B	01/10/09	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	01/10/09	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	01/10/09	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	01/10/09	1	10
Methylene Chloride	U	0.30	5.0	ug/l	8260B	01/10/09	1	1
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	01/10/09	1	100
Styrene	U	0.38	1.0	ug/l	8260B	01/10/09	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	01/10/09	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	01/10/09	1	1
Tetrachloroethene	0.44	0.29	1.0	ug/l	8260B	01/10/09	1	1
Toluene	0.57	0.27	5.0	ug/l	8260B	01/10/09	1	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	01/10/09	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	01/10/09	1	5
Trichloroethene	6.9	0.37	1.0	ug/l	8260B	01/10/09	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	01/10/09	1	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	01/10/09	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	01/10/09	1	50
Vinyl chloride	33.	0.27	1.0	ug/l	8260B	01/10/09	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	01/10/09	1	4
1,2-Dibromoethane	U	0.48	1.0	ug/l	8260B	01/10/09	1	1
1,2-Dibromo-3-Chloropropane	U	0.48	5.0	ug/l	8260B	01/10/09	1	1
Surrogate Recovery								
Toluene-d8	101.			% Rec.	8260B	01/10/09	1	
Dibromofluoromethane	103.			% Rec.	8260B	01/10/09	1	
4-Bromofluorobenzene	103.			% Rec.	8260B	01/10/09	1	

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

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

January 16, 2009

ESC Sample # : L382673-07

Date Received : January 09, 2009
Description : Edgecombe Landfill

Site ID :

Sample ID : MW-3B

Project # : 1054-07-238A

Collected By : M. Logut
Collection Date : 01/08/09 09:20

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Cobalt	26.	1.1	10.	ug/l	6010B	01/11/09	1	10
Volatile Organics								
Acetone	U	8.9	50.	ug/l	8260B	01/10/09	1	100
Acrylonitrile	U	1.7	10.	ug/l	8260B	01/10/09	1	200
Benzene	U	0.29	1.0	ug/l	8260B	01/10/09	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	01/10/09	1	3
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	01/10/09	1	1
Bromoform	U	0.51	1.0	ug/l	8260B	01/10/09	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	01/10/09	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	01/10/09	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	01/10/09	1	1
Chlorobenzene	U	0.26	1.0	ug/l	8260B	01/10/09	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	01/10/09	1	1
Chloroethane	U	0.86	5.0	ug/l	8260B	01/10/09	1	10
Chloroform	U	0.33	5.0	ug/l	8260B	01/10/09	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	01/10/09	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	01/10/09	1	1
1,2-Dichlorobenzene	U	0.29	1.0	ug/l	8260B	01/10/09	1	5
1,4-Dichlorobenzene	U	0.30	1.0	ug/l	8260B	01/10/09	1	1
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	01/10/09	1	100
1,1-Dichloroethane	U	0.31	1.0	ug/l	8260B	01/10/09	1	5
1,2-Dichloroethane	U	0.27	1.0	ug/l	8260B	01/10/09	1	1
1,1-Dichloroethene	U	0.50	1.0	ug/l	8260B	01/10/09	1	5
cis-1,2-Dichloroethene	U	0.38	1.0	ug/l	8260B	01/11/09	1	5
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l	8260B	01/10/09	1	5
1,2-Dichloropropane	U	0.52	1.0	ug/l	8260B	01/10/09	1	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	01/10/09	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	01/10/09	1	1
Ethylbenzene	U	0.22	1.0	ug/l	8260B	01/10/09	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	01/10/09	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	01/10/09	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	01/10/09	1	10
Methylene Chloride	U	0.30	5.0	ug/l	8260B	01/10/09	1	1
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	01/10/09	1	100
Styrene	U	0.38	1.0	ug/l	8260B	01/10/09	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	01/10/09	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	01/10/09	1	1
Tetrachloroethene	U	0.29	1.0	ug/l	8260B	01/10/09	1	1
Toluene	U	0.27	5.0	ug/l	8260B	01/10/09	1	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	01/10/09	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	01/10/09	1	5

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

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

January 16, 2009

ESC Sample # : L382673-07

Site ID :

Project # : 1054-07-238A

Date Received : January 09, 2009
Description : Edgecombe Landfill

Sample ID : MW-3B

Collected By : M. Logut
Collection Date : 01/08/09 09:20

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Trichloroethene	U	0.37	1.0	ug/l	8260B	01/10/09	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	01/10/09	1	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	01/10/09	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	01/10/09	1	50
Vinyl chloride	U	0.27	1.0	ug/l	8260B	01/10/09	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	01/10/09	1	4
1,2-Dibromoethane	U	0.48	1.0	ug/l	8260B	01/10/09	1	1
1,2-Dibromo-3-Chloropropane	U	0.48	5.0	ug/l	8260B	01/10/09	1	1
Surrogate Recovery								
Toluene-d8	101.			% Rec.	8260B	01/10/09	1	
Dibromofluoromethane	102.			% Rec.	8260B	01/10/09	1	
4-Bromofluorobenzene	104.			% Rec.	8260B	01/10/09	1	

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

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

January 16, 2009

ESC Sample # : L382673-08

Date Received : January 09, 2009
Description : Edgecombe Landfill

Site ID :

Sample ID : MW-4

Project # : 1054-07-238A

Collected By : M. Logut
Collection Date : 01/08/09 09:50

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Cobalt	U	1.1	10.	ug/l	6010B	01/11/09	1	10
Volatile Organics								
Acetone	U	8.9	50.	ug/l	8260B	01/10/09	1	100
Acrylonitrile	U	1.7	10.	ug/l	8260B	01/10/09	1	200
Benzene	U	0.29	1.0	ug/l	8260B	01/10/09	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	01/10/09	1	3
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	01/10/09	1	1
Bromoform	U	0.51	1.0	ug/l	8260B	01/10/09	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	01/10/09	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	01/10/09	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	01/10/09	1	1
Chlorobenzene	U	0.26	1.0	ug/l	8260B	01/10/09	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	01/10/09	1	1
Chloroethane	U	0.86	5.0	ug/l	8260B	01/10/09	1	10
Chloroform	U	0.33	5.0	ug/l	8260B	01/10/09	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	01/10/09	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	01/10/09	1	1
1,2-Dichlorobenzene	U	0.29	1.0	ug/l	8260B	01/10/09	1	5
1,4-Dichlorobenzene	U	0.30	1.0	ug/l	8260B	01/10/09	1	1
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	01/10/09	1	100
1,1-Dichloroethane	U	0.31	1.0	ug/l	8260B	01/10/09	1	5
1,2-Dichloroethane	U	0.27	1.0	ug/l	8260B	01/10/09	1	1
1,1-Dichloroethene	U	0.50	1.0	ug/l	8260B	01/10/09	1	5
cis-1,2-Dichloroethene	U	0.38	1.0	ug/l	8260B	01/11/09	1	5
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l	8260B	01/10/09	1	5
1,2-Dichloropropane	U	0.52	1.0	ug/l	8260B	01/10/09	1	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	01/10/09	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	01/10/09	1	1
Ethylbenzene	U	0.22	1.0	ug/l	8260B	01/10/09	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	01/10/09	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	01/10/09	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	01/10/09	1	10
Methylene Chloride	U	0.30	5.0	ug/l	8260B	01/10/09	1	1
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	01/10/09	1	100
Styrene	U	0.38	1.0	ug/l	8260B	01/10/09	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	01/10/09	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	01/10/09	1	1
Tetrachloroethene	U	0.29	1.0	ug/l	8260B	01/10/09	1	1
Toluene	U	0.27	5.0	ug/l	8260B	01/10/09	1	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	01/10/09	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	01/10/09	1	5

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

Est. 1970

REPORT OF ANALYSIS

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

January 16, 2009

ESC Sample # : L382673-08

Date Received : January 09, 2009
Description : Edgecombe Landfill

Site ID :

Sample ID : MW-4

Project # : 1054-07-238A

Collected By : M. Logut
Collection Date : 01/08/09 09:50

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Trichloroethene	U	0.37	1.0	ug/l	8260B	01/10/09	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	01/10/09	1	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	01/10/09	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	01/10/09	1	50
Vinyl chloride	U	0.27	1.0	ug/l	8260B	01/10/09	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	01/10/09	1	4
1,2-Dibromoethane	U	0.48	1.0	ug/l	8260B	01/10/09	1	1
1,2-Dibromo-3-Chloropropane	U	0.48	5.0	ug/l	8260B	01/10/09	1	1
Surrogate Recovery								
Toluene-d8	102.			% Rec.	8260B	01/10/09	1	
Dibromofluoromethane	101.			% Rec.	8260B	01/10/09	1	
4-Bromofluorobenzene	103.			% Rec.	8260B	01/10/09	1	

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

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

January 16, 2009

ESC Sample # : L382673-09

Date Received : January 09, 2009
Description : Edgecombe Landfill

Site ID :

Sample ID : MW-9

Project # : 1054-07-238A

Collected By : M. Logut
Collection Date : 01/08/09 10:40

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Cobalt	U	1.1	10.	ug/l	6010B	01/11/09	1	10
Volatile Organics								
Acetone	U	8.9	50.	ug/l	8260B	01/10/09	1	100
Acrylonitrile	U	1.7	10.	ug/l	8260B	01/10/09	1	200
Benzene	U	0.29	1.0	ug/l	8260B	01/10/09	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	01/10/09	1	3
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	01/10/09	1	1
Bromoform	U	0.51	1.0	ug/l	8260B	01/10/09	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	01/10/09	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	01/10/09	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	01/10/09	1	1
Chlorobenzene	U	0.26	1.0	ug/l	8260B	01/10/09	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	01/10/09	1	1
Chloroethane	U	0.86	5.0	ug/l	8260B	01/10/09	1	10
Chloroform	U	0.33	5.0	ug/l	8260B	01/10/09	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	01/10/09	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	01/10/09	1	1
1,2-Dichlorobenzene	U	0.29	1.0	ug/l	8260B	01/10/09	1	5
1,4-Dichlorobenzene	U	0.30	1.0	ug/l	8260B	01/10/09	1	1
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	01/10/09	1	100
1,1-Dichloroethane	U	0.31	1.0	ug/l	8260B	01/10/09	1	5
1,2-Dichloroethane	U	0.27	1.0	ug/l	8260B	01/10/09	1	1
1,1-Dichloroethene	U	0.50	1.0	ug/l	8260B	01/10/09	1	5
cis-1,2-Dichloroethene	U	0.38	1.0	ug/l	8260B	01/10/09	1	5
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l	8260B	01/10/09	1	5
1,2-Dichloropropane	U	0.52	1.0	ug/l	8260B	01/10/09	1	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	01/10/09	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	01/10/09	1	1
Ethylbenzene	U	0.22	1.0	ug/l	8260B	01/10/09	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	01/10/09	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	01/10/09	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	01/10/09	1	10
Methylene Chloride	U	0.30	5.0	ug/l	8260B	01/10/09	1	1
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	01/10/09	1	100
Styrene	U	0.38	1.0	ug/l	8260B	01/10/09	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	01/10/09	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	01/10/09	1	1
Tetrachloroethene	U	0.29	1.0	ug/l	8260B	01/10/09	1	1
Toluene	U	0.27	5.0	ug/l	8260B	01/10/09	1	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	01/10/09	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	01/10/09	1	5

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

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

January 16, 2009

ESC Sample # : L382673-09

Site ID :

Project # : 1054-07-238A

Date Received : January 09, 2009
Description : Edgecombe Landfill

Sample ID : MW-9

Collected By : M. Logut
Collection Date : 01/08/09 10:40

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Trichloroethene	U	0.37	1.0	ug/l	8260B	01/10/09	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	01/10/09	1	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	01/10/09	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	01/10/09	1	50
Vinyl chloride	U	0.27	1.0	ug/l	8260B	01/10/09	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	01/10/09	1	4
1,2-Dibromoethane	U	0.48	1.0	ug/l	8260B	01/10/09	1	1
1,2-Dibromo-3-Chloropropane	U	0.48	5.0	ug/l	8260B	01/10/09	1	1
Surrogate Recovery								
Toluene-d8	101.			% Rec.	8260B	01/10/09	1	
Dibromofluoromethane	103.			% Rec.	8260B	01/10/09	1	
4-Bromofluorobenzene	101.			% Rec.	8260B	01/10/09	1	

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

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

January 16, 2009

ESC Sample # : L382673-10

Site ID :

Project # : 1054-07-238A

Date Received : January 09, 2009
Description : Edgecombe Landfill

Sample ID : MW-12

Collected By : M. Logut
Collection Date : 01/08/09 12:00

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Cobalt	12.	1.1	10.	ug/l	6010B	01/11/09	1	10
Volatile Organics								
Acetone	U	8.9	50.	ug/l	8260B	01/13/09	1	100
Acrylonitrile	U	1.7	10.	ug/l	8260B	01/13/09	1	200
Benzene	3.1	0.29	1.0	ug/l	8260B	01/13/09	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	01/13/09	1	3
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	01/13/09	1	1
Bromoform	U	0.51	1.0	ug/l	8260B	01/13/09	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	01/13/09	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	01/13/09	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	01/13/09	1	1
Chlorobenzene	3.0	0.26	1.0	ug/l	8260B	01/13/09	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	01/13/09	1	1
Chloroethane	2.1	0.86	5.0	ug/l	8260B	01/13/09	1	10
Chloroform	U	0.33	5.0	ug/l	8260B	01/13/09	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	01/13/09	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	01/13/09	1	1
1,2-Dichlorobenzene	U	0.29	1.0	ug/l	8260B	01/13/09	1	5
1,4-Dichlorobenzene	4.5	0.30	1.0	ug/l	8260B	01/13/09	1	1
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	01/13/09	1	100
1,1-Dichloroethane	2.3	0.31	1.0	ug/l	8260B	01/13/09	1	5
1,2-Dichloroethane	U	0.27	1.0	ug/l	8260B	01/13/09	1	1
1,1-Dichloroethene	U	0.50	1.0	ug/l	8260B	01/13/09	1	5
cis-1,2-Dichloroethene	1.7	0.38	1.0	ug/l	8260B	01/13/09	1	5
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l	8260B	01/13/09	1	5
1,2-Dichloropropane	U	0.52	1.0	ug/l	8260B	01/13/09	1	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	01/13/09	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	01/13/09	1	1
Ethylbenzene	U	0.22	1.0	ug/l	8260B	01/13/09	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	01/13/09	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	01/13/09	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	01/13/09	1	10
Methylene Chloride	U	0.30	5.0	ug/l	8260B	01/13/09	1	1
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	01/13/09	1	100
Styrene	U	0.38	1.0	ug/l	8260B	01/13/09	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	01/13/09	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	01/13/09	1	1
Tetrachloroethene	U	0.29	1.0	ug/l	8260B	01/13/09	1	1
Toluene	U	0.27	5.0	ug/l	8260B	01/13/09	1	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	01/13/09	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	01/13/09	1	5

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

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

January 16, 2009

ESC Sample # : L382673-10

Date Received : January 09, 2009
Description : Edgecombe Landfill

Site ID :

Sample ID : MW-12

Project # : 1054-07-238A

Collected By : M. Logut
Collection Date : 01/08/09 12:00

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Trichloroethene	U	0.37	1.0	ug/l	8260B	01/13/09	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	01/13/09	1	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	01/13/09	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	01/13/09	1	50
Vinyl chloride	0.46	0.27	1.0	ug/l	8260B	01/13/09	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	01/13/09	1	4
1,2-Dibromoethane	U	0.48	1.0	ug/l	8260B	01/13/09	1	1
1,2-Dibromo-3-Chloropropane	U	0.48	5.0	ug/l	8260B	01/13/09	1	1
Surrogate Recovery								
Toluene-d8	96.9			% Rec.	8260B	01/13/09	1	
Dibromofluoromethane	96.1			% Rec.	8260B	01/13/09	1	
4-Bromofluorobenzene	99.0			% Rec.	8260B	01/13/09	1	

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

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

January 16, 2009

ESC Sample # : L382673-11

Date Received : January 09, 2009
Description : Edgecombe Landfill

Site ID :

Sample ID : MW-14

Project # : 1054-07-238A

Collected By : M. Logut
Collection Date : 01/08/09 12:40

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Cobalt	U	1.1	10.	ug/l	6010B	01/11/09	1	10
Volatile Organics								
Acetone	U	8.9	50.	ug/l	8260B	01/13/09	1	100
Acrylonitrile	U	1.7	10.	ug/l	8260B	01/13/09	1	200
Benzene	U	0.29	1.0	ug/l	8260B	01/13/09	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	01/13/09	1	3
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	01/13/09	1	1
Bromoform	U	0.51	1.0	ug/l	8260B	01/13/09	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	01/13/09	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	01/13/09	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	01/13/09	1	1
Chlorobenzene	U	0.26	1.0	ug/l	8260B	01/13/09	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	01/13/09	1	1
Chloroethane	U	0.86	5.0	ug/l	8260B	01/13/09	1	10
Chloroform	U	0.33	5.0	ug/l	8260B	01/13/09	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	01/13/09	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	01/13/09	1	1
1,2-Dichlorobenzene	U	0.29	1.0	ug/l	8260B	01/13/09	1	5
1,4-Dichlorobenzene	U	0.30	1.0	ug/l	8260B	01/13/09	1	1
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	01/13/09	1	100
1,1-Dichloroethane	U	0.31	1.0	ug/l	8260B	01/13/09	1	5
1,2-Dichloroethane	U	0.27	1.0	ug/l	8260B	01/13/09	1	1
1,1-Dichloroethene	U	0.50	1.0	ug/l	8260B	01/13/09	1	5
cis-1,2-Dichloroethene	U	0.38	1.0	ug/l	8260B	01/13/09	1	5
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l	8260B	01/13/09	1	5
1,2-Dichloropropane	U	0.52	1.0	ug/l	8260B	01/13/09	1	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	01/13/09	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	01/13/09	1	1
Ethylbenzene	U	0.22	1.0	ug/l	8260B	01/13/09	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	01/13/09	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	01/13/09	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	01/13/09	1	10
Methylene Chloride	U	0.30	5.0	ug/l	8260B	01/13/09	1	1
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	01/13/09	1	100
Styrene	U	0.38	1.0	ug/l	8260B	01/13/09	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	01/13/09	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	01/13/09	1	1
Tetrachloroethene	U	0.29	1.0	ug/l	8260B	01/13/09	1	1
Toluene	U	0.27	5.0	ug/l	8260B	01/13/09	1	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	01/13/09	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	01/13/09	1	5

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

Est. 1970

REPORT OF ANALYSIS

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

January 16, 2009

ESC Sample # : L382673-11

Date Received : January 09, 2009
Description : Edgecombe Landfill

Site ID :

Sample ID : MW-14

Project # : 1054-07-238A

Collected By : M. Logut
Collection Date : 01/08/09 12:40

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Trichloroethene	U	0.37	1.0	ug/l	8260B	01/13/09	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	01/13/09	1	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	01/13/09	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	01/13/09	1	50
Vinyl chloride	U	0.27	1.0	ug/l	8260B	01/13/09	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	01/13/09	1	4
1,2-Dibromoethane	U	0.48	1.0	ug/l	8260B	01/13/09	1	1
1,2-Dibromo-3-Chloropropane	U	0.48	5.0	ug/l	8260B	01/13/09	1	1
Surrogate Recovery								
Toluene-d8	95.3			% Rec.	8260B	01/13/09	1	
Dibromofluoromethane	95.0			% Rec.	8260B	01/13/09	1	
4-Bromofluorobenzene	98.8			% Rec.	8260B	01/13/09	1	

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

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

January 16, 2009

ESC Sample # : L382673-12

Date Received : January 09, 2009
Description : Edgecombe Landfill

Site ID :

Sample ID : MW-15

Project # : 1054-07-238A

Collected By : M. Logut
Collection Date : 01/08/09 13:25

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Cobalt	9.6	1.1	10.	ug/l	6010B	01/11/09	1	10
Volatile Organics								
Acetone	U	8.9	50.	ug/l	8260B	01/13/09	1	100
Acrylonitrile	U	1.7	10.	ug/l	8260B	01/13/09	1	200
Benzene	0.59	0.29	1.0	ug/l	8260B	01/13/09	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	01/13/09	1	3
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	01/13/09	1	1
Bromoform	U	0.51	1.0	ug/l	8260B	01/13/09	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	01/13/09	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	01/13/09	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	01/13/09	1	1
Chlorobenzene	1.4	0.26	1.0	ug/l	8260B	01/13/09	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	01/13/09	1	1
Chloroethane	U	0.86	5.0	ug/l	8260B	01/13/09	1	10
Chloroform	U	0.33	5.0	ug/l	8260B	01/13/09	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	01/13/09	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	01/13/09	1	1
1,2-Dichlorobenzene	U	0.29	1.0	ug/l	8260B	01/13/09	1	5
1,4-Dichlorobenzene	U	0.30	1.0	ug/l	8260B	01/13/09	1	1
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	01/13/09	1	100
1,1-Dichloroethane	1.8	0.31	1.0	ug/l	8260B	01/13/09	1	5
1,2-Dichloroethane	U	0.27	1.0	ug/l	8260B	01/13/09	1	1
1,1-Dichloroethene	U	0.50	1.0	ug/l	8260B	01/13/09	1	5
cis-1,2-Dichloroethene	33.	0.38	1.0	ug/l	8260B	01/13/09	1	5
trans-1,2-Dichloroethene	0.86	0.30	1.0	ug/l	8260B	01/13/09	1	5
1,2-Dichloropropane	5.1	0.52	1.0	ug/l	8260B	01/13/09	1	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	01/13/09	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	01/13/09	1	1
Ethylbenzene	U	0.22	1.0	ug/l	8260B	01/13/09	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	01/13/09	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	01/13/09	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	01/13/09	1	10
Methylene Chloride	U	0.30	5.0	ug/l	8260B	01/13/09	1	1
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	01/13/09	1	100
Styrene	U	0.38	1.0	ug/l	8260B	01/13/09	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	01/13/09	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	01/13/09	1	1
Tetrachloroethene	U	0.29	1.0	ug/l	8260B	01/13/09	1	1
Toluene	U	0.27	5.0	ug/l	8260B	01/13/09	1	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	01/13/09	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	01/13/09	1	5

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

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

January 16, 2009

ESC Sample # : L382673-12

Site ID :

Project # : 1054-07-238A

Date Received : January 09, 2009
Description : Edgecombe Landfill

Sample ID : MW-15

Collected By : M. Logut
Collection Date : 01/08/09 13:25

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Trichloroethene	0.39	0.37	1.0	ug/l	8260B	01/13/09	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	01/13/09	1	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	01/13/09	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	01/13/09	1	50
Vinyl chloride	4.6	0.27	1.0	ug/l	8260B	01/13/09	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	01/13/09	1	4
1,2-Dibromoethane	U	0.48	1.0	ug/l	8260B	01/13/09	1	1
1,2-Dibromo-3-Chloropropane	U	0.48	5.0	ug/l	8260B	01/13/09	1	1
Surrogate Recovery								
Toluene-d8	93.3			% Rec.	8260B	01/13/09	1	
Dibromofluoromethane	94.9			% Rec.	8260B	01/13/09	1	
4-Bromofluorobenzene	101.			% Rec.	8260B	01/13/09	1	

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

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

January 16, 2009

ESC Sample # : L382673-13

Site ID :

Project # : 1054-07-238A

Date Received : January 09, 2009
Description : Edgecombe Landfill

Sample ID : UPSTREAM

Collected By : M. Logut
Collection Date : 01/08/09 17:17

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Cobalt	1.4	1.1	10.	ug/l	6010B	01/11/09	1	10
Volatile Organics								
Acetone	U	8.9	50.	ug/l	8260B	01/13/09	1	100
Acrylonitrile	U	1.7	10.	ug/l	8260B	01/13/09	1	200
Benzene	U	0.29	1.0	ug/l	8260B	01/13/09	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	01/13/09	1	3
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	01/13/09	1	1
Bromoform	U	0.51	1.0	ug/l	8260B	01/13/09	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	01/13/09	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	01/13/09	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	01/13/09	1	1
Chlorobenzene	U	0.26	1.0	ug/l	8260B	01/13/09	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	01/13/09	1	1
Chloroethane	U	0.86	5.0	ug/l	8260B	01/13/09	1	10
Chloroform	U	0.33	5.0	ug/l	8260B	01/13/09	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	01/13/09	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	01/13/09	1	1
1,2-Dichlorobenzene	U	0.29	1.0	ug/l	8260B	01/13/09	1	5
1,4-Dichlorobenzene	U	0.30	1.0	ug/l	8260B	01/13/09	1	1
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	01/13/09	1	100
1,1-Dichloroethane	U	0.31	1.0	ug/l	8260B	01/13/09	1	5
1,2-Dichloroethane	U	0.27	1.0	ug/l	8260B	01/13/09	1	1
1,1-Dichloroethene	U	0.50	1.0	ug/l	8260B	01/13/09	1	5
cis-1,2-Dichloroethene	U	0.38	1.0	ug/l	8260B	01/13/09	1	5
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l	8260B	01/13/09	1	5
1,2-Dichloropropane	U	0.52	1.0	ug/l	8260B	01/13/09	1	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	01/13/09	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	01/13/09	1	1
Ethylbenzene	U	0.22	1.0	ug/l	8260B	01/13/09	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	01/13/09	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	01/13/09	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	01/13/09	1	10
Methylene Chloride	U	0.30	5.0	ug/l	8260B	01/13/09	1	1
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	01/13/09	1	100
Styrene	U	0.38	1.0	ug/l	8260B	01/13/09	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	01/13/09	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	01/13/09	1	1
Tetrachloroethene	U	0.29	1.0	ug/l	8260B	01/13/09	1	1
Toluene	U	0.27	5.0	ug/l	8260B	01/13/09	1	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	01/13/09	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	01/13/09	1	5

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

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

January 16, 2009

ESC Sample # : L382673-13

Site ID :

Project # : 1054-07-238A

Date Received : January 09, 2009
Description : Edgecombe Landfill

Sample ID : UPSTREAM

Collected By : M. Logut
Collection Date : 01/08/09 17:17

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Trichloroethene	U	0.37	1.0	ug/l	8260B	01/13/09	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	01/13/09	1	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	01/13/09	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	01/13/09	1	50
Vinyl chloride	U	0.27	1.0	ug/l	8260B	01/13/09	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	01/13/09	1	4
1,2-Dibromoethane	U	0.48	1.0	ug/l	8260B	01/13/09	1	1
1,2-Dibromo-3-Chloropropane	U	0.48	5.0	ug/l	8260B	01/13/09	1	1
Surrogate Recovery								
Toluene-d8	94.8			% Rec.	8260B	01/13/09	1	
Dibromofluoromethane	94.7			% Rec.	8260B	01/13/09	1	
4-Bromofluorobenzene	101.			% Rec.	8260B	01/13/09	1	

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

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

January 16, 2009

ESC Sample # : L382673-14

Date Received : January 09, 2009
Description : Edgecombe Landfill

Site ID :

Sample ID : DOWNSTREAM

Project # : 1054-07-238A

Collected By : M. Logut
Collection Date : 01/08/09 16:00

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Cobalt	3.4	1.1	10.	ug/l	6010B	01/11/09	1	10
Volatile Organics								
Acetone	U	8.9	50.	ug/l	8260B	01/13/09	1	100
Acrylonitrile	U	1.7	10.	ug/l	8260B	01/13/09	1	200
Benzene	U	0.29	1.0	ug/l	8260B	01/13/09	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	01/13/09	1	3
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	01/13/09	1	1
Bromoform	U	0.51	1.0	ug/l	8260B	01/13/09	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	01/13/09	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	01/13/09	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	01/13/09	1	1
Chlorobenzene	U	0.26	1.0	ug/l	8260B	01/13/09	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	01/13/09	1	1
Chloroethane	U	0.86	5.0	ug/l	8260B	01/13/09	1	10
Chloroform	U	0.33	5.0	ug/l	8260B	01/13/09	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	01/13/09	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	01/13/09	1	1
1,2-Dichlorobenzene	U	0.29	1.0	ug/l	8260B	01/13/09	1	5
1,4-Dichlorobenzene	U	0.30	1.0	ug/l	8260B	01/13/09	1	1
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	01/13/09	1	100
1,1-Dichloroethane	U	0.31	1.0	ug/l	8260B	01/13/09	1	5
1,2-Dichloroethane	U	0.27	1.0	ug/l	8260B	01/13/09	1	1
1,1-Dichloroethene	U	0.50	1.0	ug/l	8260B	01/13/09	1	5
cis-1,2-Dichloroethene	0.50	0.38	1.0	ug/l	8260B	01/13/09	1	5
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l	8260B	01/13/09	1	5
1,2-Dichloropropane	U	0.52	1.0	ug/l	8260B	01/13/09	1	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	01/13/09	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	01/13/09	1	1
Ethylbenzene	U	0.22	1.0	ug/l	8260B	01/13/09	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	01/13/09	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	01/13/09	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	01/13/09	1	10
Methylene Chloride	U	0.30	5.0	ug/l	8260B	01/13/09	1	1
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	01/13/09	1	100
Styrene	U	0.38	1.0	ug/l	8260B	01/13/09	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	01/13/09	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	01/13/09	1	1
Tetrachloroethene	U	0.29	1.0	ug/l	8260B	01/13/09	1	1
Toluene	U	0.27	5.0	ug/l	8260B	01/13/09	1	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	01/13/09	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	01/13/09	1	5

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

Est. 1970

REPORT OF ANALYSIS

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

January 16, 2009

ESC Sample # : L382673-14

Site ID :

Project # : 1054-07-238A

Date Received : January 09, 2009
Description : Edgecombe Landfill

Sample ID : DOWNSTREAM

Collected By : M. Logut
Collection Date : 01/08/09 16:00

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Trichloroethene	U	0.37	1.0	ug/l	8260B	01/13/09	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	01/13/09	1	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	01/13/09	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	01/13/09	1	50
Vinyl chloride	U	0.27	1.0	ug/l	8260B	01/13/09	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	01/13/09	1	4
1,2-Dibromoethane	U	0.48	1.0	ug/l	8260B	01/13/09	1	1
1,2-Dibromo-3-Chloropropane	U	0.48	5.0	ug/l	8260B	01/13/09	1	1
Surrogate Recovery								
Toluene-d8	91.7			% Rec.	8260B	01/13/09	1	
Dibromofluoromethane	93.6			% Rec.	8260B	01/13/09	1	
4-Bromofluorobenzene	102.			% Rec.	8260B	01/13/09	1	

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

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

January 16, 2009

ESC Sample # : L382673-15

Date Received : January 09, 2009
Description : Edgecombe Landfill

Site ID :

Sample ID : EQUIPMENT BLK

Project # : 1054-07-238A

Collected By : M. Logut
Collection Date : 01/08/09 16:50

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Chloride	U	310	1000	ug/l	9056	01/09/09	1	
Sulfate	U	210	5000	ug/l	9056	01/09/09	1	250000
Alkalinity	16000	2600	10000	ug/l	310.2	01/12/09	1	
BOD	U	1600	5000	ug/l	SM5210B	01/09/09	1	
COD	3900	2700	20000	ug/l	410.4	01/14/09	1	
Ammonia Nitrogen	U	34.	100	ug/l	350.1	01/13/09	1	
TOC (Total Organic Carbon)	340	310	1000	ug/l	9060A	01/15/09	1	
Mercury	U	0.057	0.20	ug/l	7470A	01/09/09	1	.2
Calcium	400	160	500	ug/l	6010B	01/11/09	1	
Cobalt	U	1.1	10.	ug/l	6010B	01/11/09	1	10
Iron	U	24.	100	ug/l	6010B	01/11/09	1	300
Magnesium	120	23.	100	ug/l	6010B	01/11/09	1	
Potassium	U	100	500	ug/l	6010B	01/11/09	1	
Sodium	1000	120	500	ug/l	6010B	01/11/09	1	
Volatile Organics								
Acetone	U	8.9	50.	ug/l	8260B	01/13/09	1	100
Acrylonitrile	U	1.7	10.	ug/l	8260B	01/13/09	1	200
Benzene	U	0.29	1.0	ug/l	8260B	01/13/09	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	01/13/09	1	3
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	01/13/09	1	1
Bromoform	U	0.51	1.0	ug/l	8260B	01/13/09	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	01/13/09	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	01/13/09	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	01/13/09	1	1
Chlorobenzene	U	0.26	1.0	ug/l	8260B	01/13/09	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	01/13/09	1	1
Chloroethane	U	0.86	5.0	ug/l	8260B	01/13/09	1	10
Chloroform	U	0.33	5.0	ug/l	8260B	01/13/09	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	01/13/09	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	01/13/09	1	1
1,2-Dichlorobenzene	U	0.29	1.0	ug/l	8260B	01/13/09	1	5
1,4-Dichlorobenzene	U	0.30	1.0	ug/l	8260B	01/13/09	1	1
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	01/13/09	1	100
1,1-Dichloroethane	U	0.31	1.0	ug/l	8260B	01/13/09	1	5

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

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

January 16, 2009

ESC Sample # : L382673-15

Date Received : January 09, 2009
Description : Edgecombe Landfill

Site ID :

Sample ID : EQUIPMENT BLK

Project # : 1054-07-238A

Collected By : M. Logut
Collection Date : 01/08/09 16:50

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
1,2-Dichloroethane	U	0.27	1.0	ug/l	8260B	01/13/09	1	1
1,1-Dichloroethene	U	0.50	1.0	ug/l	8260B	01/13/09	1	5
cis-1,2-Dichloroethene	U	0.38	1.0	ug/l	8260B	01/13/09	1	5
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l	8260B	01/13/09	1	5
1,2-Dichloropropane	U	0.52	1.0	ug/l	8260B	01/13/09	1	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	01/13/09	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	01/13/09	1	1
Ethylbenzene	U	0.22	1.0	ug/l	8260B	01/13/09	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	01/13/09	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	01/13/09	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	01/13/09	1	10
Methylene Chloride	U	0.30	5.0	ug/l	8260B	01/13/09	1	1
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	01/13/09	1	100
Styrene	U	0.38	1.0	ug/l	8260B	01/13/09	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	01/13/09	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	01/13/09	1	1
Tetrachloroethene	U	0.29	1.0	ug/l	8260B	01/13/09	1	1
Toluene	U	0.27	5.0	ug/l	8260B	01/13/09	1	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	01/13/09	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	01/13/09	1	5
Trichloroethene	U	0.37	1.0	ug/l	8260B	01/13/09	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	01/13/09	1	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	01/13/09	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	01/13/09	1	50
Vinyl chloride	U	0.27	1.0	ug/l	8260B	01/13/09	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	01/13/09	1	4
1,2-Dibromoethane	U	0.48	1.0	ug/l	8260B	01/13/09	1	1
1,2-Dibromo-3-Chloropropane	U	0.48	5.0	ug/l	8260B	01/13/09	1	1
Surrogate Recovery								
Toluene-d8	90.5			% Rec.	8260B	01/13/09	1	
Dibromofluoromethane	93.8			% Rec.	8260B	01/13/09	1	
4-Bromofluorobenzene	97.5			% Rec.	8260B	01/13/09	1	

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

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REPORT OF ANALYSIS

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

January 16, 2009

ESC Sample # : L382673-16

Date Received : January 09, 2009
Description : Edgecombe Landfill

Site ID :

Sample ID : TRIP BLK

Project # : 1054-07-238A

Collected By : M. Logut
Collection Date : 01/08/09 00:00

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Volatile Organics								
Acetone	U	8.9	50.	ug/l	8260B	01/13/09	1	100
Acrylonitrile	U	1.7	10.	ug/l	8260B	01/13/09	1	200
Benzene	U	0.29	1.0	ug/l	8260B	01/13/09	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	01/13/09	1	3
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	01/13/09	1	1
Bromoform	U	0.51	1.0	ug/l	8260B	01/13/09	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	01/13/09	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	01/13/09	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	01/13/09	1	1
Chlorobenzene	U	0.26	1.0	ug/l	8260B	01/13/09	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	01/13/09	1	1
Chloroethane	U	0.86	5.0	ug/l	8260B	01/13/09	1	10
Chloroform	U	0.33	5.0	ug/l	8260B	01/13/09	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	01/13/09	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	01/13/09	1	1
1,2-Dichlorobenzene	U	0.29	1.0	ug/l	8260B	01/13/09	1	5
1,4-Dichlorobenzene	U	0.30	1.0	ug/l	8260B	01/13/09	1	1
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	01/13/09	1	100
1,1-Dichloroethane	U	0.31	1.0	ug/l	8260B	01/13/09	1	5
1,2-Dichloroethane	U	0.27	1.0	ug/l	8260B	01/13/09	1	1
1,1-Dichloroethene	U	0.50	1.0	ug/l	8260B	01/13/09	1	5
cis-1,2-Dichloroethene	U	0.38	1.0	ug/l	8260B	01/13/09	1	5
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l	8260B	01/13/09	1	5
1,2-Dichloropropane	U	0.52	1.0	ug/l	8260B	01/13/09	1	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	01/13/09	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	01/13/09	1	1
Ethylbenzene	U	0.22	1.0	ug/l	8260B	01/13/09	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	01/13/09	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	01/13/09	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	01/13/09	1	10
Methylene Chloride	U	0.30	5.0	ug/l	8260B	01/13/09	1	1
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	01/13/09	1	100
Styrene	U	0.38	1.0	ug/l	8260B	01/13/09	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	01/13/09	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	01/13/09	1	1
Tetrachloroethene	U	0.29	1.0	ug/l	8260B	01/13/09	1	1
Toluene	U	0.27	5.0	ug/l	8260B	01/13/09	1	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	01/13/09	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	01/13/09	1	5
Trichloroethene	U	0.37	1.0	ug/l	8260B	01/13/09	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	01/13/09	1	1

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

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

January 16, 2009

ESC Sample # : L382673-16

Site ID :

Project # : 1054-07-238A

Date Received : January 09, 2009
Description : Edgecombe Landfill

Sample ID : TRIP BLK

Collected By : M. Logut
Collection Date : 01/08/09 00:00

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	01/13/09	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	01/13/09	1	50
Vinyl chloride	U	0.27	1.0	ug/l	8260B	01/13/09	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	01/13/09	1	4
1,2-Dibromoethane	U	0.48	1.0	ug/l	8260B	01/13/09	1	1
1,2-Dibromo-3-Chloropropane	U	0.48	5.0	ug/l	8260B	01/13/09	1	1
Surrogate Recovery								
Toluene-d8	101.			% Rec.	8260B	01/13/09	1	
Dibromofluoromethane	95.2			% Rec.	8260B	01/13/09	1	
4-Bromofluorobenzene	100.			% Rec.	8260B	01/13/09	1	

U = ND (Not Detected)
SWSL = Solid Waste Section Limit
MDL = Minimum Detection Limit = LOD = SQL(TRRP)
RDL = Reported Detection Limit = LOQ = PQL = EQL = MQL(TRRP)
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Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L382673-01	WG401711	SAMP	Chloroethane	R590565	J
	WG401711	SAMP	Tetrachloroethene	R590565	J
	WG401711	SAMP	Toluene	R590565	J
L382673-02	WG401853	SAMP	Ammonia Nitrogen	R593085	J
	WG401782	SAMP	Cobalt	R591206	J
L382673-03	WG401853	SAMP	Ammonia Nitrogen	R593085	J
	WG401711	SAMP	Chloroethane	R590565	J
	WG401915	SAMP	cis-1,2-Dichloroethene	R590785	J
	WG401711	SAMP	Vinyl chloride	R590565	J
	WG401782	SAMP	Cobalt	R591206	J
L382673-04	WG401711	SAMP	1,1-Dichloroethane	R590565	J
	WG401711	SAMP	trans-1,2-Dichloroethene	R590565	J
	WG401711	SAMP	Trichloroethene	R590565	J
L382673-05	WG401915	SAMP	Bromomethane	R590785	J3
	WG401782	SAMP	Cobalt	R591206	J
L382673-06	WG401711	SAMP	Chloroethane	R590565	J
	WG401711	SAMP	Tetrachloroethene	R590565	J
	WG401711	SAMP	Toluene	R590565	J
L382673-10	WG401726	SAMP	Acetone	R592385	J3
	WG401726	SAMP	Acrylonitrile	R592385	J3
	WG401726	SAMP	Chloroethane	R592385	J
	WG401726	SAMP	4-Methyl-2-pentanone (MIBK)	R592385	J3
	WG401726	SAMP	Vinyl chloride	R592385	J
L382673-11	WG401726	SAMP	Acetone	R592385	J3
	WG401726	SAMP	Acrylonitrile	R592385	J3
	WG401726	SAMP	4-Methyl-2-pentanone (MIBK)	R592385	J3
L382673-12	WG401726	SAMP	Acetone	R592385	J3
	WG401726	SAMP	Acrylonitrile	R592385	J3
	WG401726	SAMP	Benzene	R592385	J
	WG401726	SAMP	trans-1,2-Dichloroethene	R592385	J
	WG401726	SAMP	4-Methyl-2-pentanone (MIBK)	R592385	J3
	WG401726	SAMP	Trichloroethene	R592385	J
	WG401782	SAMP	Cobalt	R591206	J
L382673-13	WG401726	SAMP	Acetone	R592385	J3
	WG401726	SAMP	Acrylonitrile	R592385	J3
	WG401726	SAMP	4-Methyl-2-pentanone (MIBK)	R592385	J3
	WG401782	SAMP	Cobalt	R591206	J
L382673-14	WG401726	SAMP	Acetone	R592385	J3
	WG401726	SAMP	Acrylonitrile	R592385	J3
	WG401726	SAMP	cis-1,2-Dichloroethene	R592385	J
	WG401726	SAMP	4-Methyl-2-pentanone (MIBK)	R592385	J3
	WG401782	SAMP	Cobalt	R591206	J
L382673-15	WG402191	SAMP	COD	R593866	J
	WG401727	SAMP	TOC (Total Organic Carbon)	R596068	J
	WG401726	SAMP	Acetone	R592385	J3
	WG401726	SAMP	Acrylonitrile	R592385	J3
	WG401726	SAMP	4-Methyl-2-pentanone (MIBK)	R592385	J3
	WG401782	SAMP	Calcium	R591206	J
L382673-16	WG401726	SAMP	Acetone	R592385	J3
	WG401726	SAMP	Acrylonitrile	R592385	J3
	WG401726	SAMP	4-Methyl-2-pentanone (MIBK)	R592385	J3

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J	(EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.
J3	The associated batch QC was outside the established quality control range for precision.

Qualifier Report Information

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

Definitions

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

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

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

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

Summary of Remarks For Samples Printed
01/16/09 at 13:19:49

TSR Signing Reports: 690
R5 - Desired TAT

Sample: L382673-01 Account: SMERLNC Received: 01/09/09 09:00 Due Date: 01/16/09 00:00 RPT Date: 01/16/09 13:18
EDD=SWSL Type (Per client add 8011 targets to V8260AP1)
Sample: L382673-02 Account: SMERLNC Received: 01/09/09 09:00 Due Date: 01/16/09 00:00 RPT Date: 01/16/09 13:18
EDD=SWSL Type (Per client add 8011 targets to V8260AP1)
Sample: L382673-03 Account: SMERLNC Received: 01/09/09 09:00 Due Date: 01/16/09 00:00 RPT Date: 01/16/09 13:18
EDD=SWSL Type (Per client add 8011 targets to V8260AP1)
Sample: L382673-04 Account: SMERLNC Received: 01/09/09 09:00 Due Date: 01/16/09 00:00 RPT Date: 01/16/09 13:18
EDD=SWSL Type (Per client add 8011 targets to V8260AP1)
Sample: L382673-05 Account: SMERLNC Received: 01/09/09 09:00 Due Date: 01/16/09 00:00 RPT Date: 01/16/09 13:18
EDD=SWSL Type (Per client add 8011 targets to V8260AP1)
Sample: L382673-06 Account: SMERLNC Received: 01/09/09 09:00 Due Date: 01/16/09 00:00 RPT Date: 01/16/09 13:18
EDD=SWSL Type (Per client add 8011 targets to V8260AP1)
Sample: L382673-07 Account: SMERLNC Received: 01/09/09 09:00 Due Date: 01/16/09 00:00 RPT Date: 01/16/09 13:18
EDD=SWSL Type (Per client add 8011 targets to V8260AP1)
Sample: L382673-08 Account: SMERLNC Received: 01/09/09 09:00 Due Date: 01/16/09 00:00 RPT Date: 01/16/09 13:18
EDD=SWSL Type (Per client add 8011 targets to V8260AP1)
Sample: L382673-09 Account: SMERLNC Received: 01/09/09 09:00 Due Date: 01/16/09 00:00 RPT Date: 01/16/09 13:18
EDD=SWSL Type (Per client add 8011 targets to V8260AP1)
Sample: L382673-10 Account: SMERLNC Received: 01/09/09 09:00 Due Date: 01/16/09 00:00 RPT Date: 01/16/09 13:18
EDD=SWSL Type (Per client add 8011 targets to V8260AP1)
Sample: L382673-11 Account: SMERLNC Received: 01/09/09 09:00 Due Date: 01/16/09 00:00 RPT Date: 01/16/09 13:18
EDD=SWSL Type (Per client add 8011 targets to V8260AP1)
Sample: L382673-12 Account: SMERLNC Received: 01/09/09 09:00 Due Date: 01/16/09 00:00 RPT Date: 01/16/09 13:18
EDD=SWSL Type (Per client add 8011 targets to V8260AP1)
Sample: L382673-13 Account: SMERLNC Received: 01/09/09 09:00 Due Date: 01/16/09 00:00 RPT Date: 01/16/09 13:18
EDD=SWSL Type (Per client add 8011 targets to V8260AP1)
Sample: L382673-14 Account: SMERLNC Received: 01/09/09 09:00 Due Date: 01/16/09 00:00 RPT Date: 01/16/09 13:18
EDD=SWSL Type (Per client add 8011 targets to V8260AP1)
Sample: L382673-15 Account: SMERLNC Received: 01/09/09 09:00 Due Date: 01/16/09 00:00 RPT Date: 01/16/09 13:18
EDD=SWSL Type (Per client add 8011 targets to V8260AP1)
Sample: L382673-16 Account: SMERLNC Received: 01/09/09 09:00 Due Date: 01/16/09 00:00 RPT Date: 01/16/09 13:18
EDD=SWSL Type (Per client add 8011 targets to V8260AP1)

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SCIENCE CORP.

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Quality Assurance Report
Level II

L382673

January 16, 2009

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Chloride	< 1	mg/l			WG401706	01/09/09 13:27
Sulfate	< 5	mg/l			WG401706	01/09/09 13:27
Mercury	< .0002	mg/l			WG401700	01/09/09 22:35
1,1,1,2-Tetrachloroethane	< .001	mg/l			WG401711	01/10/09 14:27
1,1,1-Trichloroethane	< .001	mg/l			WG401711	01/10/09 14:27
1,1,2,2-Tetrachloroethane	< .001	mg/l			WG401711	01/10/09 14:27
1,1,2-Trichloroethane	< .001	mg/l			WG401711	01/10/09 14:27
1,1-Dichloroethane	< .001	mg/l			WG401711	01/10/09 14:27
1,1-Dichloroethene	< .001	mg/l			WG401711	01/10/09 14:27
1,2,3-Trichloropropane	< .001	mg/l			WG401711	01/10/09 14:27
1,2-Dibromo-3-Chloropropane	< .005	mg/l			WG401711	01/10/09 14:27
1,2-Dibromoethane	< .001	mg/l			WG401711	01/10/09 14:27
1,2-Dichlorobenzene	< .001	mg/l			WG401711	01/10/09 14:27
1,2-Dichloroethane	< .001	mg/l			WG401711	01/10/09 14:27
1,2-Dichloropropane	< .001	mg/l			WG401711	01/10/09 14:27
1,4-Dichlorobenzene	< .001	mg/l			WG401711	01/10/09 14:27
2-Butanone (MEK)	< .01	mg/l			WG401711	01/10/09 14:27
2-Hexanone	< .01	mg/l			WG401711	01/10/09 14:27
4-Methyl-2-pentanone (MIBK)	< .01	mg/l			WG401711	01/10/09 14:27
Acetone	< .05	mg/l			WG401711	01/10/09 14:27
Acrylonitrile	< .01	mg/l			WG401711	01/10/09 14:27
Benzene	< .001	mg/l			WG401711	01/10/09 14:27
Bromochloromethane	< .001	mg/l			WG401711	01/10/09 14:27
Bromodichloromethane	< .001	mg/l			WG401711	01/10/09 14:27
Bromoform	< .001	mg/l			WG401711	01/10/09 14:27
Bromomethane	< .005	mg/l			WG401711	01/10/09 14:27
Carbon disulfide	< .001	mg/l			WG401711	01/10/09 14:27
Carbon tetrachloride	< .001	mg/l			WG401711	01/10/09 14:27
Chlorobenzene	< .001	mg/l			WG401711	01/10/09 14:27
Chlorodibromomethane	< .001	mg/l			WG401711	01/10/09 14:27
Chloroethane	< .001	mg/l			WG401711	01/10/09 14:27
Chloroform	< .005	mg/l			WG401711	01/10/09 14:27
Chloromethane	< .001	mg/l			WG401711	01/10/09 14:27
cis-1,2-Dichloroethene	< .001	mg/l			WG401711	01/10/09 14:27
cis-1,3-Dichloropropene	< .001	mg/l			WG401711	01/10/09 14:27
Dibromomethane	< .001	mg/l			WG401711	01/10/09 14:27
Ethylbenzene	< .001	mg/l			WG401711	01/10/09 14:27
Iodomethane	< .01	mg/l			WG401711	01/10/09 14:27
Methylene Chloride	< .005	mg/l			WG401711	01/10/09 14:27
Styrene	< .001	mg/l			WG401711	01/10/09 14:27
Tetrachloroethene	< .001	mg/l			WG401711	01/10/09 14:27
Toluene	< .005	mg/l			WG401711	01/10/09 14:27
trans-1,2-Dichloroethene	< .001	mg/l			WG401711	01/10/09 14:27
trans-1,3-Dichloropropene	< .001	mg/l			WG401711	01/10/09 14:27
trans-1,4-Dichloro-2-butene	< .0025	mg/l			WG401711	01/10/09 14:27
Trichloroethene	< .001	mg/l			WG401711	01/10/09 14:27
Trichlorofluoromethane	< .005	mg/l			WG401711	01/10/09 14:27
Vinyl acetate	< .01	mg/l			WG401711	01/10/09 14:27
Vinyl chloride	< .001	mg/l			WG401711	01/10/09 14:27
Xylenes, Total	< .003	mg/l			WG401711	01/10/09 14:27
4-Bromofluorobenzene		% Rec.	102.3	75-128	WG401711	01/10/09 14:27
Dibromofluoromethane		% Rec.	102.6	79-125	WG401711	01/10/09 14:27
Toluene-d8		% Rec.	101.4	87-114	WG401711	01/10/09 14:27
a,a,a-Trifluorotoluene		% Rec.	105.3	84-114	WG401711	01/10/09 14:27

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Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
1,1,1,2-Tetrachloroethane	< .001	mg/l			WG401915	01/11/09 14:28
1,1,1-Trichloroethane	< .001	mg/l			WG401915	01/11/09 14:28
1,1,2,2-Tetrachloroethane	< .001	mg/l			WG401915	01/11/09 14:28
1,1,2-Trichloroethane	< .001	mg/l			WG401915	01/11/09 14:28
1,1-Dichloroethane	< .001	mg/l			WG401915	01/11/09 14:28
1,1-Dichloroethene	< .001	mg/l			WG401915	01/11/09 14:28
1,2,3-Trichloropropane	< .001	mg/l			WG401915	01/11/09 14:28
1,2-Dibromo-3-Chloropropane	< .005	mg/l			WG401915	01/11/09 14:28
1,2-Dibromoethane	< .001	mg/l			WG401915	01/11/09 14:28
1,2-Dichlorobenzene	< .001	mg/l			WG401915	01/11/09 14:28
1,2-Dichloroethane	< .001	mg/l			WG401915	01/11/09 14:28
1,2-Dichloropropane	< .001	mg/l			WG401915	01/11/09 14:28
1,4-Dichlorobenzene	< .001	mg/l			WG401915	01/11/09 14:28
2-Butanone (MEK)	< .01	mg/l			WG401915	01/11/09 14:28
2-Hexanone	< .01	mg/l			WG401915	01/11/09 14:28
4-Methyl-2-pentanone (MIBK)	< .01	mg/l			WG401915	01/11/09 14:28
Acetone	< .05	mg/l			WG401915	01/11/09 14:28
Acrylonitrile	< .01	mg/l			WG401915	01/11/09 14:28
Benzene	< .001	mg/l			WG401915	01/11/09 14:28
Bromochloromethane	< .001	mg/l			WG401915	01/11/09 14:28
Bromodichloromethane	< .001	mg/l			WG401915	01/11/09 14:28
Bromoform	< .001	mg/l			WG401915	01/11/09 14:28
Bromomethane	< .005	mg/l			WG401915	01/11/09 14:28
Carbon disulfide	< .001	mg/l			WG401915	01/11/09 14:28
Carbon tetrachloride	< .001	mg/l			WG401915	01/11/09 14:28
Chlorobenzene	< .001	mg/l			WG401915	01/11/09 14:28
Chlorodibromomethane	< .001	mg/l			WG401915	01/11/09 14:28
Chloroethane	< .001	mg/l			WG401915	01/11/09 14:28
Chloroform	< .005	mg/l			WG401915	01/11/09 14:28
Chloromethane	< .001	mg/l			WG401915	01/11/09 14:28
cis-1,2-Dichloroethene	< .001	mg/l			WG401915	01/11/09 14:28
cis-1,3-Dichloropropene	< .001	mg/l			WG401915	01/11/09 14:28
Dibromomethane	< .001	mg/l			WG401915	01/11/09 14:28
Ethylbenzene	< .001	mg/l			WG401915	01/11/09 14:28
Iodomethane	< .01	mg/l			WG401915	01/11/09 14:28
Methylene Chloride	< .005	mg/l			WG401915	01/11/09 14:28
Styrene	< .001	mg/l			WG401915	01/11/09 14:28
Tetrachloroethene	< .001	mg/l			WG401915	01/11/09 14:28
Toluene	< .005	mg/l			WG401915	01/11/09 14:28
trans-1,2-Dichloroethene	< .001	mg/l			WG401915	01/11/09 14:28
trans-1,3-Dichloropropene	< .001	mg/l			WG401915	01/11/09 14:28
trans-1,4-Dichloro-2-butene	< .0025	mg/l			WG401915	01/11/09 14:28
Trichloroethene	< .001	mg/l			WG401915	01/11/09 14:28
Trichlorofluoromethane	< .005	mg/l			WG401915	01/11/09 14:28
Vinyl acetate	< .01	mg/l			WG401915	01/11/09 14:28
Vinyl chloride	< .001	mg/l			WG401915	01/11/09 14:28
Xylenes, Total	< .003	mg/l			WG401915	01/11/09 14:28
4-Bromofluorobenzene		% Rec.	98.52	75-128	WG401915	01/11/09 14:28
Dibromofluoromethane		% Rec.	103.2	79-125	WG401915	01/11/09 14:28
Toluene-d8		% Rec.	101.5	87-114	WG401915	01/11/09 14:28
a,a,a-Trifluorotoluene		% Rec.	101.3	84-114	WG401915	01/11/09 14:28
Calcium	< .5	mg/l			WG401782	01/11/09 19:04
Cobalt	< .01	mg/l			WG401782	01/11/09 19:04
Iron	< .1	mg/l			WG401782	01/11/09 19:04
Magnesium	< .1	mg/l			WG401782	01/11/09 19:04
Potassium	< .5	mg/l			WG401782	01/11/09 19:04

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Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Sodium	< .5	mg/l			WG401782	01/11/09 19:04
Alkalinity	< 10	mg/l			WG401981	01/12/09 16:04
1,1,1,2-Tetrachloroethane	< .001	mg/l			WG401726	01/13/09 00:13
1,1,1-Trichloroethane	< .001	mg/l			WG401726	01/13/09 00:13
1,1,2,2-Tetrachloroethane	< .001	mg/l			WG401726	01/13/09 00:13
1,1,2-Trichloroethane	< .001	mg/l			WG401726	01/13/09 00:13
1,1-Dichloroethane	< .001	mg/l			WG401726	01/13/09 00:13
1,1-Dichloroethene	< .001	mg/l			WG401726	01/13/09 00:13
1,2,3-Trichloropropane	< .001	mg/l			WG401726	01/13/09 00:13
1,2-Dibromo-3-Chloropropane	< .005	mg/l			WG401726	01/13/09 00:13
1,2-Dibromoethane	< .001	mg/l			WG401726	01/13/09 00:13
1,2-Dichlorobenzene	< .001	mg/l			WG401726	01/13/09 00:13
1,2-Dichloroethane	< .001	mg/l			WG401726	01/13/09 00:13
1,2-Dichloropropane	< .001	mg/l			WG401726	01/13/09 00:13
1,4-Dichlorobenzene	< .001	mg/l			WG401726	01/13/09 00:13
2-Butanone (MEK)	< .01	mg/l			WG401726	01/13/09 00:13
2-Hexanone	< .01	mg/l			WG401726	01/13/09 00:13
4-Methyl-2-pentanone (MIBK)	< .01	mg/l			WG401726	01/13/09 00:13
Acetone	< .05	mg/l			WG401726	01/13/09 00:13
Acrylonitrile	< .01	mg/l			WG401726	01/13/09 00:13
Benzene	< .001	mg/l			WG401726	01/13/09 00:13
Bromochloromethane	< .001	mg/l			WG401726	01/13/09 00:13
Bromodichloromethane	< .001	mg/l			WG401726	01/13/09 00:13
Bromoform	< .001	mg/l			WG401726	01/13/09 00:13
Bromomethane	< .005	mg/l			WG401726	01/13/09 00:13
Carbon disulfide	< .001	mg/l			WG401726	01/13/09 00:13
Carbon tetrachloride	< .001	mg/l			WG401726	01/13/09 00:13
Chlorobenzene	< .001	mg/l			WG401726	01/13/09 00:13
Chlorodibromomethane	< .001	mg/l			WG401726	01/13/09 00:13
Chloroethane	< .001	mg/l			WG401726	01/13/09 00:13
Chloroform	< .005	mg/l			WG401726	01/13/09 00:13
Chloromethane	< .001	mg/l			WG401726	01/13/09 00:13
cis-1,2-Dichloroethene	< .001	mg/l			WG401726	01/13/09 00:13
cis-1,3-Dichloropropene	< .001	mg/l			WG401726	01/13/09 00:13
Dibromomethane	< .001	mg/l			WG401726	01/13/09 00:13
Ethylbenzene	< .001	mg/l			WG401726	01/13/09 00:13
Iodomethane	< .01	mg/l			WG401726	01/13/09 00:13
Methylene Chloride	< .005	mg/l			WG401726	01/13/09 00:13
Styrene	< .001	mg/l			WG401726	01/13/09 00:13
Tetrachloroethene	< .001	mg/l			WG401726	01/13/09 00:13
Toluene	< .005	mg/l			WG401726	01/13/09 00:13
trans-1,2-Dichloroethene	< .001	mg/l			WG401726	01/13/09 00:13
trans-1,3-Dichloropropene	< .001	mg/l			WG401726	01/13/09 00:13
trans-1,4-Dichloro-2-butene	< .0025	mg/l			WG401726	01/13/09 00:13
Trichloroethene	< .001	mg/l			WG401726	01/13/09 00:13
Trichlorofluoromethane	< .005	mg/l			WG401726	01/13/09 00:13
Vinyl acetate	< .01	mg/l			WG401726	01/13/09 00:13
Vinyl chloride	< .001	mg/l			WG401726	01/13/09 00:13
Xylenes, Total	< .003	mg/l			WG401726	01/13/09 00:13
4-Bromofluorobenzene		% Rec.	100.5	75-128	WG401726	01/13/09 00:13
Dibromofluoromethane		% Rec.	96.77	79-125	WG401726	01/13/09 00:13
Toluene-d8		% Rec.	98.22	87-114	WG401726	01/13/09 00:13
a,a,a-Trifluorotoluene		% Rec.	105.4	84-114	WG401726	01/13/09 00:13

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Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
COD	< 20	mg/l			WG401999	01/13/09 13:09
Ammonia Nitrogen	< .1	mg/l			WG401853	01/13/09 15:15
COD	< 20	mg/l			WG402107	01/14/09 08:20
COD	< 20	mg/l			WG402191	01/14/09 13:20
BOD	0.00	mg/l			WG401677	01/09/09 11:36
TOC (Total Organic Carbon)	< 1	mg/l			WG401727	01/15/09 10:48

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Chloride	mg/l	10.7	11.0	2.76	20	L382673-02	WG401706
Sulfate	mg/l	96.2	96.0	0.208	20	L382673-02	WG401706
Mercury	mg/l	0.00141	0.00065	73.8*	20	L382735-03	WG401700
Calcium	mg/l	0.00	0.400	NA*	20	L382673-15	WG401782
Cobalt	mg/l	0.00	0.00	0.00	20	L382673-15	WG401782
Iron	mg/l	0.00	0.00	0.00	20	L382673-15	WG401782
Magnesium	mg/l	0.126	0.120	4.88	20	L382673-15	WG401782
Potassium	mg/l	0.00	0.00	0.00	20	L382673-15	WG401782
Sodium	mg/l	1.10	1.00	9.52	20	L382673-15	WG401782
Alkalinity	mg/l	2010	2000	0.499	20	L382832-02	WG401981
Alkalinity	mg/l	493.	490.	0.610	20	L382673-01	WG401981
COD	mg/l	91.9	95.0	3.32	20	L382673-04	WG401999
COD	mg/l	145.	160.	9.84	20	L383028-01	WG401999
Ammonia Nitrogen	mg/l	0.00	0.00	0.00	20	L383030-01	WG401853
Ammonia Nitrogen	mg/l	2.05	2.30	11.5	20	L382655-01	WG401853
COD	mg/l	52.7	45.0	15.8	20	L382673-05	WG402107
COD	mg/l	169.	160.	5.47	20	L383111-03	WG402107
COD	mg/l	0.00	0.00	0.00	20	L382710-01	WG402191
COD	mg/l	0.00	0.00	0.00	20	L383294-04	WG402191
BOD	mg/l	0.00	0.00	0.00	10	L382622-01	WG401677
BOD	mg/l	0.00	0.00	0.00	10	L382691-01	WG401677

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Quality Assurance Report
Level II

L382673

January 16, 2009

Analyte	Units	Duplicate Result	Duplicate	RPD	Limit	Ref Samp	Batch
TOC (Total Organic Carbon)	mg/l	3.23	3.10	4.11	20	L382343-01	WG401727
TOC (Total Organic Carbon)	mg/l	7.48	8.20	9.18	20	L382673-03	WG401727

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Chloride	mg/l	40	37.0	92.5	90-110	WG401706
Sulfate	mg/l	40	36.9	92.3	90-110	WG401706
Mercury	mg/l	.003	0.00284	94.7	85-115	WG401700
1,1,1,2-Tetrachloroethane	mg/l	.05	0.0500	100.	75-134	WG401711
1,1,1-Trichloroethane	mg/l	.05	0.0500	100.	67-137	WG401711
1,1,2,2-Tetrachloroethane	mg/l	.05	0.0463	92.5	72-128	WG401711
1,1,2-Trichloroethane	mg/l	.05	0.0466	93.3	79-123	WG401711
1,1-Dichloroethane	mg/l	.05	0.0527	105.	67-133	WG401711
1,1-Dichloroethene	mg/l	.05	0.0463	92.5	60-130	WG401711
1,2,3-Trichloropropane	mg/l	.05	0.0420	83.9	68-130	WG401711
1,2-Dibromo-3-Chloropropane	mg/l	.05	0.0391	78.2	55-134	WG401711
1,2-Dibromoethane	mg/l	.05	0.0459	91.8	75-126	WG401711
1,2-Dichlorobenzene	mg/l	.05	0.0487	97.3	75-122	WG401711
1,2-Dichloroethane	mg/l	.05	0.0477	95.5	63-137	WG401711
1,2-Dichloropropane	mg/l	.05	0.0550	110.	74-122	WG401711
1,4-Dichlorobenzene	mg/l	.05	0.0484	96.7	70-121	WG401711
2-Butanone (MEK)	mg/l	.25	0.253	101.	53-132	WG401711
2-Hexanone	mg/l	.25	0.244	97.6	56-147	WG401711
4-Methyl-2-pentanone (MIBK)	mg/l	.25	0.259	104.	60-142	WG401711
Acetone	mg/l	.25	0.211	84.3	48-134	WG401711
Acrylonitrile	mg/l	.25	0.248	99.2	60-140	WG401711
Benzene	mg/l	.05	0.0526	105.	67-126	WG401711
Bromochloromethane	mg/l	.05	0.0505	101.	75-128	WG401711
Bromodichloromethane	mg/l	.05	0.0489	97.8	68-133	WG401711
Bromoform	mg/l	.05	0.0470	94.1	60-139	WG401711
Bromomethane	mg/l	.05	0.0590	118.	45-175	WG401711
Carbon disulfide	mg/l	.05	0.0446	89.3	41-148	WG401711
Carbon tetrachloride	mg/l	.05	0.0479	95.9	64-141	WG401711
Chlorobenzene	mg/l	.05	0.0464	92.9	77-125	WG401711
Chlorodibromomethane	mg/l	.05	0.0489	97.9	73-138	WG401711
Chloroethane	mg/l	.05	0.0450	90.0	49-155	WG401711
Chloroform	mg/l	.05	0.0491	98.2	66-126	WG401711
Chloromethane	mg/l	.05	0.0509	102.	45-152	WG401711
cis-1,2-Dichloroethene	mg/l	.05	0.0531	106.	72-128	WG401711
cis-1,3-Dichloropropene	mg/l	.05	0.0531	106.	73-131	WG401711
Dibromomethane	mg/l	.05	0.0480	96.1	73-125	WG401711
Ethylbenzene	mg/l	.05	0.0504	101.	76-129	WG401711
Iodomethane	mg/l	.25	0.234	93.7	61-148	WG401711
Methylene Chloride	mg/l	.05	0.0483	96.6	64-125	WG401711
Styrene	mg/l	.05	0.0517	103.	78-130	WG401711
Tetrachloroethene	mg/l	.05	0.0499	99.9	67-135	WG401711
Toluene	mg/l	.05	0.0499	99.7	72-122	WG401711
trans-1,2-Dichloroethene	mg/l	.05	0.0529	106.	67-129	WG401711
trans-1,3-Dichloropropene	mg/l	.05	0.0505	101.	66-137	WG401711
trans-1,4-Dichloro-2-butene	mg/l	.05	0.0432	86.4	48-139	WG401711
Trichloroethene	mg/l	.05	0.0518	104.	74-126	WG401711
Trichlorofluoromethane	mg/l	.05	0.0427	85.5	54-156	WG401711
Vinyl acetate	mg/l	.25	0.233	93.2	34-178	WG401711

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Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Vinyl chloride	mg/l	.05	0.0495	99.1	55-153	WG401711
Xylenes, Total	mg/l	.15	0.141	94.2	75-128	WG401711
4-Bromofluorobenzene				99.72	75-128	WG401711
Dibromofluoromethane				100.2	79-125	WG401711
Toluene-d8				102.9	87-114	WG401711
a,a,a-Trifluorotoluene				102.3	84-114	WG401711
1,1,1,2-Tetrachloroethane	mg/l	.05	0.0507	101.	75-134	WG401915
1,1,1-Trichloroethane	mg/l	.05	0.0514	103.	67-137	WG401915
1,1,2,2-Tetrachloroethane	mg/l	.05	0.0463	92.5	72-128	WG401915
1,1,2-Trichloroethane	mg/l	.05	0.0470	94.0	79-123	WG401915
1,1-Dichloroethane	mg/l	.05	0.0524	105.	67-133	WG401915
1,1-Dichloroethene	mg/l	.05	0.0466	93.2	60-130	WG401915
1,2,3-Trichloropropane	mg/l	.05	0.0421	84.1	68-130	WG401915
1,2-Dibromo-3-Chloropropane	mg/l	.05	0.0406	81.2	55-134	WG401915
1,2-Dibromoethane	mg/l	.05	0.0473	94.5	75-126	WG401915
1,2-Dichlorobenzene	mg/l	.05	0.0515	103.	75-122	WG401915
1,2-Dichloroethane	mg/l	.05	0.0478	95.7	63-137	WG401915
1,2-Dichloropropane	mg/l	.05	0.0539	108.	74-122	WG401915
1,4-Dichlorobenzene	mg/l	.05	0.0510	102.	70-121	WG401915
2-Butanone (MEK)	mg/l	.25	0.237	94.7	53-132	WG401915
2-Hexanone	mg/l	.25	0.231	92.5	56-147	WG401915
4-Methyl-2-pentanone (MIBK)	mg/l	.25	0.234	93.6	60-142	WG401915
Acetone	mg/l	.25	0.197	78.6	48-134	WG401915
Acrylonitrile	mg/l	.25	0.235	94.1	60-140	WG401915
Benzene	mg/l	.05	0.0521	104.	67-126	WG401915
Bromochloromethane	mg/l	.05	0.0510	102.	75-128	WG401915
Bromodichloromethane	mg/l	.05	0.0481	96.3	68-133	WG401915
Bromoform	mg/l	.05	0.0477	95.3	60-139	WG401915
Bromomethane	mg/l	.05	0.0576	115.	45-175	WG401915
Carbon disulfide	mg/l	.05	0.0445	89.0	41-148	WG401915
Carbon tetrachloride	mg/l	.05	0.0473	94.6	64-141	WG401915
Chlorobenzene	mg/l	.05	0.0477	95.5	77-125	WG401915
Chlorodibromomethane	mg/l	.05	0.0490	97.9	73-138	WG401915
Chloroethane	mg/l	.05	0.0431	86.3	49-155	WG401915
Chloroform	mg/l	.05	0.0492	98.5	66-126	WG401915
Chloromethane	mg/l	.05	0.0480	96.0	45-152	WG401915
cis-1,2-Dichloroethene	mg/l	.05	0.0580	116.	72-128	WG401915
cis-1,3-Dichloropropene	mg/l	.05	0.0520	104.	73-131	WG401915
Dibromomethane	mg/l	.05	0.0468	93.6	73-125	WG401915
Ethylbenzene	mg/l	.05	0.0525	105.	76-129	WG401915
Iodomethane	mg/l	.25	0.232	92.7	61-148	WG401915
Methylene Chloride	mg/l	.05	0.0483	96.7	64-125	WG401915
Styrene	mg/l	.05	0.0529	106.	78-130	WG401915
Tetrachloroethene	mg/l	.05	0.0526	105.	67-135	WG401915
Toluene	mg/l	.05	0.0496	99.3	72-122	WG401915
trans-1,2-Dichloroethene	mg/l	.05	0.0530	106.	67-129	WG401915
trans-1,3-Dichloropropene	mg/l	.05	0.0482	96.3	66-137	WG401915
trans-1,4-Dichloro-2-butene	mg/l	.05	0.0423	84.6	48-139	WG401915
Trichloroethene	mg/l	.05	0.0562	112.	74-126	WG401915
Trichlorofluoromethane	mg/l	.05	0.0439	87.7	54-156	WG401915
Vinyl acetate	mg/l	.25	0.220	87.9	34-178	WG401915
Vinyl chloride	mg/l	.05	0.0462	92.4	55-153	WG401915
Xylenes, Total	mg/l	.15	0.147	97.9	75-128	WG401915
4-Bromofluorobenzene				98.92	75-128	WG401915
Dibromofluoromethane				101.3	79-125	WG401915
Toluene-d8				103.0	87-114	WG401915

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Level II

L382673

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Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
a,a,a-Trifluorotoluene				100.3	84-114	
Calcium	mg/l	10	9.55	95.5	85-115	WG401782
Cobalt	mg/l	1.13	1.02	90.3	85-115	WG401782
Iron	mg/l	1.13	0.999	88.4	85-115	WG401782
Magnesium	mg/l	11.3	9.83	87.0	85-115	WG401782
Potassium	mg/l	10	8.90	89.0	85-115	WG401782
Sodium	mg/l	10	9.28	92.8	85-115	WG401782
Alkalinity	mg/l	40	42.9	107.	85-115	WG401981
1,1,1,2-Tetrachloroethane	mg/l	.05	0.0483	96.6	75-134	WG401726
1,1,1-Trichloroethane	mg/l	.05	0.0554	111.	67-137	WG401726
1,1,2,2-Tetrachloroethane	mg/l	.05	0.0419	83.9	72-128	WG401726
1,1,2-Trichloroethane	mg/l	.05	0.0416	83.3	79-123	WG401726
1,1-Dichloroethane	mg/l	.05	0.0468	93.5	67-133	WG401726
1,1-Dichloroethene	mg/l	.05	0.0586	117.	60-130	WG401726
1,2,3-Trichloropropane	mg/l	.05	0.0415	83.0	68-130	WG401726
1,2-Dibromo-3-Chloropropane	mg/l	.05	0.0408	81.5	55-134	WG401726
1,2-Dibromoethane	mg/l	.05	0.0439	87.9	75-126	WG401726
1,2-Dichlorobenzene	mg/l	.05	0.0478	95.7	75-122	WG401726
1,2-Dichloroethane	mg/l	.05	0.0398	79.6	63-137	WG401726
1,2-Dichloropropane	mg/l	.05	0.0414	82.9	74-122	WG401726
1,4-Dichlorobenzene	mg/l	.05	0.0496	99.2	70-121	WG401726
2-Butanone (MEK)	mg/l	.25	0.188	75.3	53-132	WG401726
2-Hexanone	mg/l	.25	0.196	78.4	56-147	WG401726
4-Methyl-2-pentanone (MIBK)	mg/l	.25	0.176	70.3	60-142	WG401726
Acetone	mg/l	.25	0.173	69.4	48-134	WG401726
Acrylonitrile	mg/l	.25	0.174	69.5	60-140	WG401726
Benzene	mg/l	.05	0.0468	93.7	67-126	WG401726
Bromochloromethane	mg/l	.05	0.0396	79.3	75-128	WG401726
Bromodichloromethane	mg/l	.05	0.0442	88.4	68-133	WG401726
Bromoform	mg/l	.05	0.0441	88.3	60-139	WG401726
Bromomethane	mg/l	.05	0.0464	92.8	45-175	WG401726
Carbon disulfide	mg/l	.05	0.0563	113.	41-148	WG401726
Carbon tetrachloride	mg/l	.05	0.0544	109.	64-141	WG401726
Chlorobenzene	mg/l	.05	0.0507	101.	77-125	WG401726
Chlorodibromomethane	mg/l	.05	0.0451	90.1	73-138	WG401726
Chloroethane	mg/l	.05	0.0504	101.	49-155	WG401726
Chloroform	mg/l	.05	0.0430	85.9	66-126	WG401726
Chloromethane	mg/l	.05	0.0523	105.	45-152	WG401726
cis-1,2-Dichloroethene	mg/l	.05	0.0441	88.3	72-128	WG401726
cis-1,3-Dichloropropene	mg/l	.05	0.0425	85.0	73-131	WG401726
Dibromomethane	mg/l	.05	0.0390	77.9	73-125	WG401726
Ethylbenzene	mg/l	.05	0.0556	111.	76-129	WG401726
Iodomethane	mg/l	.25	0.234	93.4	61-148	WG401726
Methylene Chloride	mg/l	.05	0.0429	85.7	64-125	WG401726
Styrene	mg/l	.05	0.0510	102.	78-130	WG401726
Tetrachloroethene	mg/l	.05	0.0654	131.	67-135	WG401726
Toluene	mg/l	.05	0.0475	95.0	72-122	WG401726
trans-1,2-Dichloroethene	mg/l	.05	0.0476	95.2	67-129	WG401726
trans-1,3-Dichloropropene	mg/l	.05	0.0400	80.0	66-137	WG401726
trans-1,4-Dichloro-2-butene	mg/l	.05	0.0421	84.3	48-139	WG401726
Trichloroethene	mg/l	.05	0.0535	107.	74-126	WG401726
Trichlorofluoromethane	mg/l	.05	0.0571	114.	54-156	WG401726
Vinyl acetate	mg/l	.25	0.166	66.4	34-178	WG401726
Vinyl chloride	mg/l	.05	0.0587	117.	55-153	WG401726

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Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Xylenes, Total	mg/l	.15	0.161	107.	75-128	WG401726
4-Bromofluorobenzene				100.8	75-128	WG401726
Dibromofluoromethane				87.58	79-125	WG401726
Toluene-d8				99.27	87-114	WG401726
a,a,a-Trifluorotoluene				113.4	84-114	WG401726
COD	mg/l	383	395.	103.	90-110	WG401999
Ammonia Nitrogen	mg/l	7.5	6.74	89.9	85-115	WG401853
COD	mg/l	383	380.	99.2	90-110	WG402107
COD	mg/l	383	391.	102.	90-110	WG402191
BOD	mg/l	198	212.	107.	85-115	WG401677
BOD	mg/l	198	212.	107.	85-115	WG401677
BOD	mg/l	198	215.	109.	85-115	WG401677
TOC (Total Organic Carbon)	mg/l	75	73.3	97.7	85-115	WG401727

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
Chloride	mg/l	37.1	37.0	93.0	90-110	0.270	20	WG401706
Sulfate	mg/l	36.8	36.9	92.0	90-110	0.271	20	WG401706
1,1,1,2-Tetrachloroethane	mg/l	0.049	0.050	100.	75-134	0.371	20	WG401711
1,1,1-Trichloroethane	mg/l	0.048	0.050	97.0	67-137	3.11	20	WG401711
1,1,2,2-Tetrachloroethane	mg/l	0.047	0.046	95.0	72-128	2.71	20	WG401711
1,1,2-Trichloroethane	mg/l	0.047	0.046	96.0	79-123	2.46	20	WG401711
1,1-Dichloroethane	mg/l	0.051	0.052	103.	67-133	2.54	20	WG401711
1,1-Dichloroethene	mg/l	0.045	0.046	90.0	60-130	2.73	20	WG401711
1,2,3-Trichloropropane	mg/l	0.042	0.042	86.0	68-130	2.03	20	WG401711
1,2-Dibromo-3-Chloropropane	mg/l	0.038	0.039	77.0	55-134	1.49	20	WG401711
1,2-Dibromoethane	mg/l	0.045	0.045	91.0	75-126	0.362	20	WG401711
1,2-Dichlorobenzene	mg/l	0.048	0.048	98.0	75-122	0.504	20	WG401711
1,2-Dichloroethane	mg/l	0.047	0.047	94.0	63-137	1.42	20	WG401711
1,2-Dichloropropane	mg/l	0.050	0.055	101.	74-122	8.12	20	WG401711
1,4-Dichlorobenzene	mg/l	0.047	0.048	95.0	70-121	1.81	20	WG401711
2-Butanone (MEK)	mg/l	0.252	0.253	101.	53-132	0.486	20	WG401711
2-Hexanone	mg/l	0.247	0.244	99.0	56-147	1.11	20	WG401711
4-Methyl-2-pentanone (MIBK)	mg/l	0.255	0.259	102.	60-142	1.75	20	WG401711
Acetone	mg/l	0.204	0.211	81.0	48-134	3.52	20	WG401711
Acrylonitrile	mg/l	0.252	0.248	101.	60-140	1.51	20	WG401711
Benzene	mg/l	0.051	0.052	103.	67-126	2.60	20	WG401711
Bromochloromethane	mg/l	0.050	0.050	101.	75-128	0.260	20	WG401711
Bromodichloromethane	mg/l	0.048	0.048	97.0	68-133	1.34	20	WG401711
Bromoform	mg/l	0.048	0.047	96.0	60-139	2.53	20	WG401711
Bromomethane	mg/l	0.058	0.059	118.	45-175	0.357	20	WG401711
Carbon disulfide	mg/l	0.043	0.044	86.0	41-148	3.37	20	WG401711
Carbon tetrachloride	mg/l	0.046	0.047	93.0	64-141	3.12	20	WG401711

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Mt. Juliet, TN 37122
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1-800-767-5859
Fax (615) 758-5859

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Est. 1970

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

Raleigh, NC 27616

Quality Assurance Report
Level II

L382673

January 16, 2009

Analyte	Units	Laboratory Control Sample Result	Ref	%Rec	Limit	Duplicate RPD	Limit	Batch
Chlorobenzene	mg/l	0.046	0.046	93.0	77-125	0.167	20	WG401711
Chlorodibromomethane	mg/l	0.049	0.048	98.0	73-138	0.494	20	WG401711
Chloroethane	mg/l	0.044	0.045	88.0	49-155	1.91	20	WG401711
Chloroform	mg/l	0.047	0.049	95.0	66-126	3.05	20	WG401711
Chloromethane	mg/l	0.048	0.050	96.0	45-152	5.97	20	WG401711
cis-1,2-Dichloroethene	mg/l	0.051	0.053	104.	72-128	2.41	20	WG401711
cis-1,3-Dichloropropene	mg/l	0.052	0.053	104.	73-131	2.12	20	WG401711
Dibromomethane	mg/l	0.048	0.048	97.0	73-125	0.943	20	WG401711
Ethylbenzene	mg/l	0.050	0.050	100.	76-129	0.656	20	WG401711
Iodomethane	mg/l	0.237	0.234	95.0	61-148	1.03	20	WG401711
Methylene Chloride	mg/l	0.047	0.048	94.0	64-125	2.50	20	WG401711
Styrene	mg/l	0.052	0.051	104.	78-130	0.865	20	WG401711
Tetrachloroethene	mg/l	0.049	0.049	98.0	67-135	1.49	20	WG401711
Toluene	mg/l	0.049	0.049	98.0	72-122	1.84	20	WG401711
trans-1,2-Dichloroethene	mg/l	0.050	0.052	101.	67-129	4.79	20	WG401711
trans-1,3-Dichloropropene	mg/l	0.049	0.050	98.0	66-137	2.71	20	WG401711
trans-1,4-Dichloro-2-butene	mg/l	0.043	0.043	88.0	48-139	1.38	20	WG401711
Trichloroethene	mg/l	0.049	0.051	99.0	74-126	5.07	20	WG401711
Trichlorofluoromethane	mg/l	0.041	0.042	83.0	54-156	3.37	20	WG401711
Vinyl acetate	mg/l	0.231	0.233	93.0	34-178	0.754	26	WG401711
Vinyl chloride	mg/l	0.047	0.049	95.0	55-153	3.85	20	WG401711
Xylenes, Total	mg/l	0.141	0.141	94.0	75-128	0.040	20	WG401711
4-Bromofluorobenzene				102.6	75-128			WG401711
Dibromofluoromethane				99.48	79-125			WG401711
Toluene-d8				101.5	87-114			WG401711
a,a,a-Trifluorotoluene				101.9	84-114			WG401711
1,1,1,2-Tetrachloroethane	mg/l	0.049	0.050	98.0	75-134	3.48	20	WG401915
1,1,1-Trichloroethane	mg/l	0.048	0.051	96.0	67-137	6.98	20	WG401915
1,1,2,2-Tetrachloroethane	mg/l	0.050	0.046	100.	72-128	7.98	20	WG401915
1,1,2-Trichloroethane	mg/l	0.047	0.047	96.0	79-123	1.80	20	WG401915
1,1-Dichloroethane	mg/l	0.049	0.052	99.0	67-133	5.33	20	WG401915
1,1-Dichloroethene	mg/l	0.042	0.046	85.0	60-130	9.05	20	WG401915
1,2,3-Trichloropropane	mg/l	0.045	0.042	92.0	68-130	8.59	20	WG401915
1,2-Dibromo-3-Chloropropane	mg/l	0.044	0.040	90.0	55-134	10.1	20	WG401915
1,2-Dibromoethane	mg/l	0.048	0.047	97.0	75-126	3.01	20	WG401915
1,2-Dichlorobenzene	mg/l	0.050	0.051	100.	75-122	2.69	20	WG401915
1,2-Dichloroethane	mg/l	0.046	0.047	93.0	63-137	2.65	20	WG401915
1,2-Dichloropropane	mg/l	0.052	0.053	104.	74-122	3.48	20	WG401915
1,4-Dichlorobenzene	mg/l	0.048	0.051	97.0	70-121	4.52	20	WG401915
2-Butanone (MEK)	mg/l	0.272	0.237	109.	53-132	13.8	20	WG401915
2-Hexanone	mg/l	0.266	0.231	106.	56-147	14.0	20	WG401915
4-Methyl-2-pentanone (MIBK)	mg/l	0.273	0.234	109.	60-142	15.3	20	WG401915
Acetone	mg/l	0.220	0.197	88.0	48-134	11.2	20	WG401915
Acrylonitrile	mg/l	0.255	0.235	102.	60-140	8.11	20	WG401915
Benzene	mg/l	0.049	0.052	100.	67-126	4.52	20	WG401915
Bromochloromethane	mg/l	0.049	0.051	100.	75-128	2.22	20	WG401915
Bromodichloromethane	mg/l	0.048	0.048	96.0	68-133	0.016	20	WG401915
Bromoform	mg/l	0.050	0.047	102.	60-139	6.55	20	WG401915
Bromomethane	mg/l	0.044	0.057	89.0	45-175	25.6*	20	WG401915
Carbon disulfide	mg/l	0.040	0.044	80.0	41-148	10.2	20	WG401915
Carbon tetrachloride	mg/l	0.046	0.047	92.0	64-141	2.25	20	WG401915
Chlorobenzene	mg/l	0.046	0.047	93.0	77-125	2.63	20	WG401915
Chlorodibromomethane	mg/l	0.049	0.049	100.	73-138	1.98	20	WG401915
Chloroethane	mg/l	0.038	0.043	77.0	49-155	11.0	20	WG401915
Chloroform	mg/l	0.047	0.049	94.0	66-126	4.72	20	WG401915
Chloromethane	mg/l	0.045	0.048	91.0	45-152	5.17	20	WG401915

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Quality Assurance Report
Level II

L382673

January 16, 2009

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
cis-1,2-Dichloroethene	mg/l	0.055	0.058	110.	72-128	5.19	20	WG401915
cis-1,3-Dichloropropene	mg/l	0.051	0.052	102.	73-131	1.74	20	WG401915
Dibromomethane	mg/l	0.048	0.046	96.0	73-125	2.86	20	WG401915
Ethylbenzene	mg/l	0.050	0.052	100.	76-129	4.56	20	WG401915
Iodomethane	mg/l	0.232	0.232	93.0	61-148	0.008	20	WG401915
Methylene Chloride	mg/l	0.047	0.048	94.0	64-125	2.71	20	WG401915
Styrene	mg/l	0.051	0.052	103.	78-130	2.74	20	WG401915
Tetrachloroethene	mg/l	0.050	0.052	100.	67-135	5.00	20	WG401915
Toluene	mg/l	0.048	0.049	96.0	72-122	3.23	20	WG401915
trans-1,2-Dichloroethene	mg/l	0.050	0.053	100.	67-129	5.94	20	WG401915
trans-1,3-Dichloropropene	mg/l	0.049	0.048	98.0	66-137	1.62	20	WG401915
trans-1,4-Dichloro-2-butene	mg/l	0.049	0.042	98.0	48-139	14.8	20	WG401915
Trichloroethene	mg/l	0.053	0.056	107.	74-126	4.83	20	WG401915
Trichlorofluoromethane	mg/l	0.039	0.043	79.0	54-156	10.9	20	WG401915
Vinyl acetate	mg/l	0.229	0.220	91.0	34-178	4.01	26	WG401915
Vinyl chloride	mg/l	0.042	0.046	86.0	55-153	7.46	20	WG401915
Xylenes, Total	mg/l	0.142	0.147	95.0	75-128	3.38	20	WG401915
4-Bromofluorobenzene				99.25	75-128			WG401915
Dibromofluoromethane				100.6	79-125			WG401915
Toluene-d8				102.9	87-114			WG401915
a,a,a-Trifluorotoluene				99.53	84-114			WG401915
Alkalinity	mg/l	42.0	42.9	105.	85-115	2.12	20	WG401981
1,1,1,2-Tetrachloroethane	mg/l	0.049	0.048	99.0	75-134	2.53	20	WG401726
1,1,1-Trichloroethane	mg/l	0.057	0.055	116.	67-137	4.53	20	WG401726
1,1,2,2-Tetrachloroethane	mg/l	0.047	0.041	95.0	72-128	12.6	20	WG401726
1,1,2-Trichloroethane	mg/l	0.044	0.041	89.0	79-123	6.13	20	WG401726
1,1-Dichloroethane	mg/l	0.051	0.046	102.	67-133	9.03	20	WG401726
1,1-Dichloroethene	mg/l	0.060	0.058	121.	60-130	3.54	20	WG401726
1,2,3-Trichloropropane	mg/l	0.045	0.041	91.0	68-130	9.48	20	WG401726
1,2-Dibromo-3-Chloropropane	mg/l	0.046	0.040	93.0	55-134	12.9	20	WG401726
1,2-Dibromoethane	mg/l	0.046	0.043	94.0	75-126	6.55	20	WG401726
1,2-Dichlorobenzene	mg/l	0.049	0.047	100.	75-122	4.31	20	WG401726
1,2-Dichloroethane	mg/l	0.047	0.039	96.0	63-137	18.2	20	WG401726
1,2-Dichloropropane	mg/l	0.042	0.041	84.0	74-122	1.60	20	WG401726
1,4-Dichlorobenzene	mg/l	0.050	0.049	100.	70-121	1.13	20	WG401726
2-Butanone (MEK)	mg/l	0.227	0.188	91.0	53-132	18.5	20	WG401726
2-Hexanone	mg/l	0.224	0.196	90.0	56-147	13.5	20	WG401726
4-Methyl-2-pentanone (MIBK)	mg/l	0.218	0.176	87.0	60-142	21.5*	20	WG401726
Acetone	mg/l	0.228	0.173	91.0	48-134	27.3*	20	WG401726
Acrylonitrile	mg/l	0.216	0.174	86.0	60-140	21.7*	20	WG401726
Benzene	mg/l	0.051	0.046	102.	67-126	8.55	20	WG401726
Bromochloromethane	mg/l	0.047	0.039	94.0	75-128	17.1	20	WG401726
Bromodichloromethane	mg/l	0.043	0.044	87.0	68-133	1.30	20	WG401726
Bromoform	mg/l	0.048	0.044	98.0	60-139	10.2	20	WG401726
Bromomethane	mg/l	0.049	0.046	99.0	45-175	6.39	20	WG401726
Carbon disulfide	mg/l	0.056	0.056	113.	41-148	0.552	20	WG401726
Carbon tetrachloride	mg/l	0.056	0.054	113.	64-141	3.52	20	WG401726
Chlorobenzene	mg/l	0.050	0.050	102.	77-125	0.367	20	WG401726
Chlorodibromomethane	mg/l	0.047	0.045	96.0	73-138	5.88	20	WG401726
Chloroethane	mg/l	0.051	0.050	103.	49-155	1.93	20	WG401726
Chloroform	mg/l	0.048	0.043	96.0	66-126	11.1	20	WG401726
Chloromethane	mg/l	0.052	0.052	105.	45-152	0.477	20	WG401726
cis-1,2-Dichloroethene	mg/l	0.049	0.044	99.0	72-128	11.3	20	WG401726
cis-1,3-Dichloropropene	mg/l	0.046	0.042	94.0	73-131	9.90	20	WG401726

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Quality Assurance Report
Level II

L382673

January 16, 2009

Laboratory Control Sample Duplicate

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
Dibromomethane	mg/l	0.045	0.039	91.0	73-125	15.0	20	WG401726
Ethylbenzene	mg/l	0.053	0.055	106.	76-129	4.41	20	WG401726
Iodomethane	mg/l	0.257	0.234	103.	61-148	9.40	20	WG401726
Methylene Chloride	mg/l	0.048	0.042	97.0	64-125	12.8	20	WG401726
Styrene	mg/l	0.051	0.051	102.	78-130	0.336	20	WG401726
Tetrachloroethene	mg/l	0.059	0.065	120.	67-135	8.88	20	WG401726
Toluene	mg/l	0.050	0.047	100.	72-122	5.34	20	WG401726
trans-1,2-Dichloroethene	mg/l	0.050	0.047	100.	67-129	5.32	20	WG401726
trans-1,3-Dichloropropene	mg/l	0.046	0.040	92.0	66-137	14.3	20	WG401726
trans-1,4-Dichloro-2-butene	mg/l	0.046	0.042	92.0	48-139	8.66	20	WG401726
Trichloroethene	mg/l	0.053	0.053	108.	74-126	0.549	20	WG401726
Trichlorofluoromethane	mg/l	0.060	0.057	121.	54-156	5.67	20	WG401726
Vinyl acetate	mg/l	0.207	0.166	83.0	34-178	21.9	26	WG401726
Vinyl chloride	mg/l	0.060	0.058	121.	55-153	2.91	20	WG401726
Xylenes, Total	mg/l	0.156	0.161	104.	75-128	2.88	20	WG401726
4-Bromofluorobenzene				100.1	75-128			WG401726
Dibromofluoromethane				98.33	79-125			WG401726
Toluene-d8				102.5	87-114			WG401726
a,a,a-Trifluorotoluene				88.66	84-114			WG401726
COD	mg/l	392.	395.	102.	90-110	0.762	20	WG401999
Ammonia Nitrogen	mg/l	7.51	6.74	100.	85-115	10.8	20	WG401853
COD	mg/l	378.	380.	99.0	90-110	0.528	20	WG402107
COD	mg/l	389.	391.	102.	90-110	0.513	20	WG402191
TOC (Total Organic Carbon)	mg/l	74.4	73.3	99.0	85-115	1.56	20	WG401727

Matrix Spike

Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Mercury	mg/l	0.004	0.000	.003	129.	70-130	L382735-03	WG401700
1,1,1,2-Tetrachloroethane	mg/l	10.0	0.00	.05	100.	45-152	L382548-01	WG401711
1,1,1-Trichloroethane	mg/l	10.1	0.00	.05	101.	31-161	L382548-01	WG401711
1,1,2,2-Tetrachloroethane	mg/l	9.40	0.00	.05	94.0	49-149	L382548-01	WG401711
1,1,2-Trichloroethane	mg/l	9.59	0.00	.05	95.9	46-145	L382548-01	WG401711
1,1-Dichloroethane	mg/l	10.8	0.00	.05	108.	30-159	L382548-01	WG401711
1,1-Dichloroethene	mg/l	8.76	0.00	.05	87.6	10-162	L382548-01	WG401711
1,2,3-Trichloropropane	mg/l	8.68	0.00	.05	86.8	48-148	L382548-01	WG401711
1,2-Dibromo-3-Chloropropane	mg/l	8.44	0.00	.05	84.4	37-148	L382548-01	WG401711
1,2-Dibromoethane	mg/l	9.29	0.00	.05	92.9	41-149	L382548-01	WG401711
1,2-Dichlorobenzene	mg/l	9.94	0.015	.05	99.3	40-139	L382548-01	WG401711
1,2-Dichloroethane	mg/l	9.55	0.00	.05	95.5	29-167	L382548-01	WG401711
1,2-Dichloropropane	mg/l	11.2	0.00	.05	112.	39-148	L382548-01	WG401711
1,4-Dichlorobenzene	mg/l	9.69	0.016	.05	96.7	32-136	L382548-01	WG401711
2-Butanone (MEK)	mg/l	52.6	0.00	.25	105.	32-151	L382548-01	WG401711
2-Hexanone	mg/l	50.7	0.00	.25	101.	41-155	L382548-01	WG401711
4-Methyl-2-pentanone (MIBK)	mg/l	54.8	0.00	.25	110.	40-160	L382548-01	WG401711
Acetone	mg/l	95.3	52.3	.25	85.9	25-157	L382548-01	WG401711

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Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Acrylonitrile	mg/l	51.5	0.057	.25	103.	37-162	L382548-01	WG401711
Benzene	mg/l	14.9	5.50	.05	94.4	16-158	L382548-01	WG401711
Bromochloromethane	mg/l	10.2	0.00	.05	102.	36-154	L382548-01	WG401711
Bromodichloromethane	mg/l	10.1	0.027	.05	101.	45-147	L382548-01	WG401711
Bromoform	mg/l	10.1	0.00	.05	101.	38-152	L382548-01	WG401711
Bromomethane	mg/l	9.13	0.00	.05	91.3	0-191	L382548-01	WG401711
Carbon disulfide	mg/l	7.85	0.036	.05	78.1	10-166	L382548-01	WG401711
Carbon tetrachloride	mg/l	9.46	0.00	.05	94.6	22-168	L382548-01	WG401711
Chlorobenzene	mg/l	9.33	0.008	.05	93.2	33-148	L382548-01	WG401711
Chlorodibromomethane	mg/l	9.99	0.00	.05	99.9	48-151	L382548-01	WG401711
Chloroethane	mg/l	8.09	0.00	.05	80.9	4-176	L382548-01	WG401711
Chloroform	mg/l	10.1	0.032	.05	100.	37-147	L382548-01	WG401711
Chloromethane	mg/l	8.46	0.014	.05	84.5	10-174	L382548-01	WG401711
cis-1,2-Dichloroethene	mg/l	10.6	0.00	.05	106.	29-156	L382548-01	WG401711
cis-1,3-Dichloropropene	mg/l	10.6	0.00	.05	106.	35-148	L382548-01	WG401711
Dibromomethane	mg/l	9.76	0.00	.05	97.6	36-152	L382548-01	WG401711
Ethylbenzene	mg/l	10.6	0.490	.05	101.	29-150	L382548-01	WG401711
Iodomethane	mg/l	47.5	0.00	.25	95.0	9-169	L382548-01	WG401711
Methylene Chloride	mg/l	9.22	0.019	.05	92.0	23-151	L382548-01	WG401711
Styrene	mg/l	10.4	0.008	.05	104.	38-149	L382548-01	WG401711
Tetrachloroethene	mg/l	9.86	0.00	.05	98.6	13-157	L382548-01	WG401711
Toluene	mg/l	18.7	11.0	.05	77.4	22-152	L382548-01	WG401711
trans-1,2-Dichloroethene	mg/l	10.3	0.017	.05	103.	11-160	L382548-01	WG401711
trans-1,3-Dichloropropene	mg/l	10.2	0.00	.05	102.	33-153	L382548-01	WG401711
trans-1,4-Dichloro-2-butene	mg/l	8.98	0.00	.05	89.8	19-151	L382548-01	WG401711
Trichloroethene	mg/l	10.3	0.00	.05	103.	18-163	L382548-01	WG401711
Trichlorofluoromethane	mg/l	7.51	0.00	.05	75.1	10-177	L382548-01	WG401711
Vinyl acetate	mg/l	43.2	0.018	.25	86.4	0-196	L382548-01	WG401711
Vinyl chloride	mg/l	8.37	0.00	.05	83.7	0-179	L382548-01	WG401711
Xylenes, Total	mg/l	33.4	6.70	.15	89.1	27-151	L382548-01	WG401711
4-Bromofluorobenzene					100.7	75-128		WG401711
Dibromofluoromethane					100.9	79-125		WG401711
Toluene-d8					102.3	87-114		WG401711
a,a,a-Trifluorotoluene					102.4	84-114		WG401711
1,1,1,2-Tetrachloroethane	mg/l	0.458	0.00	.05	91.5	45-152	L382673-01	WG401915
1,1,1-Trichloroethane	mg/l	0.441	0.00	.05	88.3	31-161	L382673-01	WG401915
1,1,2,2-Tetrachloroethane	mg/l	0.456	0.00	.05	91.3	49-149	L382673-01	WG401915
1,1,2-Trichloroethane	mg/l	0.439	0.00	.05	87.8	46-145	L382673-01	WG401915
1,1-Dichloroethane	mg/l	0.468	0.015	.05	90.7	30-159	L382673-01	WG401915
1,1-Dichloroethene	mg/l	0.370	0.00	.05	73.9	10-162	L382673-01	WG401915
1,2,3-Trichloropropane	mg/l	0.412	0.00	.05	82.4	48-148	L382673-01	WG401915
1,2-Dibromo-3-Chloropropane	mg/l	0.395	0.00	.05	79.1	37-148	L382673-01	WG401915
1,2-Dibromoethane	mg/l	0.418	0.00	.05	83.7	41-149	L382673-01	WG401915
1,2-Dichlorobenzene	mg/l	0.484	0.00	.05	96.8	40-139	L382673-01	WG401915
1,2-Dichloroethane	mg/l	0.429	0.00	.05	85.8	29-167	L382673-01	WG401915
1,2-Dichloropropane	mg/l	0.489	0.00	.05	97.8	39-148	L382673-01	WG401915
1,4-Dichlorobenzene	mg/l	0.468	0.006	.05	92.2	32-136	L382673-01	WG401915
2-Butanone (MEK)	mg/l	2.35	0.00	.25	94.2	32-151	L382673-01	WG401915
2-Hexanone	mg/l	2.33	0.00	.25	93.4	41-155	L382673-01	WG401915
4-Methyl-2-pentanone (MIBK)	mg/l	2.43	0.00	.25	97.1	40-160	L382673-01	WG401915
Acetone	mg/l	1.99	0.00	.25	79.5	25-157	L382673-01	WG401915
Acrylonitrile	mg/l	2.32	0.00	.25	93.0	37-162	L382673-01	WG401915
Benzene	mg/l	0.452	0.003	.05	89.8	16-158	L382673-01	WG401915
Bromochloromethane	mg/l	0.460	0.00	.05	92.0	36-154	L382673-01	WG401915
Bromodichloromethane	mg/l	0.446	0.00	.05	89.2	45-147	L382673-01	WG401915
Bromoform	mg/l	0.456	0.00	.05	91.2	38-152	L382673-01	WG401915

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Quality Assurance Report
Level II

L382673

January 16, 2009

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Bromomethane	mg/l	0.410	0.00	.05	82.0	0-191	L382673-01	WG401915
Carbon disulfide	mg/l	0.299	0.00	.05	59.8	10-166	L382673-01	WG401915
Carbon tetrachloride	mg/l	0.402	0.00	.05	80.3	22-168	L382673-01	WG401915
Chlorobenzene	mg/l	0.431	0.008	.05	84.5	33-148	L382673-01	WG401915
Chlorodibromomethane	mg/l	0.455	0.00	.05	91.0	48-151	L382673-01	WG401915
Chloroethane	mg/l	0.348	0.00	.05	69.6	4-176	L382673-01	WG401915
Chloroform	mg/l	0.445	0.00	.05	88.9	37-147	L382673-01	WG401915
Chloromethane	mg/l	0.356	0.00	.05	71.2	10-174	L382673-01	WG401915
cis-1,2-Dichloroethene	mg/l	0.947	0.530	.05	83.5	29-156	L382673-01	WG401915
cis-1,3-Dichloropropene	mg/l	0.464	0.00	.05	92.7	35-148	L382673-01	WG401915
Dibromomethane	mg/l	0.427	0.00	.05	85.3	36-152	L382673-01	WG401915
Ethylbenzene	mg/l	0.455	0.00	.05	91.1	29-150	L382673-01	WG401915
Iodomethane	mg/l	2.06	0.00	.25	82.3	9-169	L382673-01	WG401915
Methylene Chloride	mg/l	0.416	0.00	.05	83.3	23-151	L382673-01	WG401915
Styrene	mg/l	0.472	0.00	.05	94.4	38-149	L382673-01	WG401915
Tetrachloroethene	mg/l	0.441	0.00	.05	88.2	13-157	L382673-01	WG401915
Toluene	mg/l	0.438	0.00	.05	87.6	22-152	L382673-01	WG401915
trans-1,2-Dichloroethene	mg/l	0.433	0.005	.05	85.5	11-160	L382673-01	WG401915
trans-1,3-Dichloropropene	mg/l	0.455	0.00	.05	90.9	33-153	L382673-01	WG401915
trans-1,4-Dichloro-2-butene	mg/l	0.416	0.00	.05	83.3	19-151	L382673-01	WG401915
Trichloroethene	mg/l	0.459	0.006	.05	90.4	18-163	L382673-01	WG401915
Trichlorofluoromethane	mg/l	0.357	0.00	.05	71.4	10-177	L382673-01	WG401915
Vinyl acetate	mg/l	2.10	0.00	.25	83.9	0-196	L382673-01	WG401915
Vinyl chloride	mg/l	0.380	0.028	.05	70.3	0-179	L382673-01	WG401915
Xylenes, Total	mg/l	1.28	0.00	.15	85.6	27-151	L382673-01	WG401915
4-Bromofluorobenzene					97.40	75-128		WG401915
Dibromofluoromethane					101.4	79-125		WG401915
Toluene-d8					103.6	87-114		WG401915
a,a,a-Trifluorotoluene					99.80	84-114		WG401915
Calcium	mg/l	10.1	0.400	11.3	85.8	75-125	L382673-15	WG401782
Cobalt	mg/l	1.06	0.00	1.13	93.8	75-125	L382673-15	WG401782
Iron	mg/l	1.04	0.00	1.13	92.0	75-125	L382673-15	WG401782
Magnesium	mg/l	10.4	0.120	11.3	91.0	75-125	L382673-15	WG401782
Potassium	mg/l	9.30	0.00	11.3	82.3	75-125	L382673-15	WG401782
Sodium	mg/l	10.6	1.00	11.3	85.0	75-125	L382673-15	WG401782
Alkalinity	mg/l	261.	28.0	200	117.	80-120	L382673-02	WG401981
1,1,1,2-Tetrachloroethane	mg/l	0.065	0.00	.05	130.	45-152	L382675-05	WG401726
1,1,1-Trichloroethane	mg/l	0.074	0.00	.05	148.	31-161	L382675-05	WG401726
1,1,2,2-Tetrachloroethane	mg/l	0.054	0.00	.05	109.	49-149	L382675-05	WG401726
1,1,2-Trichloroethane	mg/l	0.057	0.00	.05	115.	46-145	L382675-05	WG401726
1,1-Dichloroethane	mg/l	0.064	0.00	.05	129.	30-159	L382675-05	WG401726
1,1-Dichloroethene	mg/l	0.073	0.00	.05	147.	10-162	L382675-05	WG401726
1,2,3-Trichloropropane	mg/l	0.052	0.00	.05	105.	48-148	L382675-05	WG401726
1,2-Dibromo-3-Chloropropane	mg/l	0.052	0.00	.05	105.	37-148	L382675-05	WG401726
1,2-Dibromoethane	mg/l	0.055	0.00	.05	112.	41-149	L382675-05	WG401726
1,2-Dichlorobenzene	mg/l	0.058	0.00	.05	118.	40-139	L382675-05	WG401726
1,2-Dichloroethane	mg/l	0.053	0.00	.05	106.	29-167	L382675-05	WG401726
1,2-Dichloropropane	mg/l	0.054	0.00	.05	108.	39-148	L382675-05	WG401726
1,4-Dichlorobenzene	mg/l	0.059	0.00	.05	118.	32-136	L382675-05	WG401726
2-Butanone (MEK)	mg/l	0.246	0.00	.25	98.4	32-151	L382675-05	WG401726
2-Hexanone	mg/l	0.249	0.00	.25	99.7	41-155	L382675-05	WG401726
4-Methyl-2-pentanone (MIBK)	mg/l	0.237	0.00	.25	94.6	40-160	L382675-05	WG401726

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Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Acetone	mg/l	0.290	0.00	.25	116.	25-157	L382675-05	WG401726
Acrylonitrile	mg/l	0.259	0.00	.25	104.	37-162	L382675-05	WG401726
Benzene	mg/l	0.077	0.014	.05	127.	16-158	L382675-05	WG401726
Bromochloromethane	mg/l	0.052	0.00	.05	104.	36-154	L382675-05	WG401726
Bromodichloromethane	mg/l	0.054	0.00	.05	110.	45-147	L382675-05	WG401726
Bromoform	mg/l	0.056	0.00	.05	114.	38-152	L382675-05	WG401726
Bromomethane	mg/l	0.051	0.00	.05	103.	0-191	L382675-05	WG401726
Carbon disulfide	mg/l	0.064	0.00	.05	130.	10-166	L382675-05	WG401726
Carbon tetrachloride	mg/l	0.070	0.00	.05	141.	22-168	L382675-05	WG401726
Chlorobenzene	mg/l	0.066	0.00	.05	133.	33-148	L382675-05	WG401726
Chlorodibromomethane	mg/l	0.058	0.00	.05	117.	48-151	L382675-05	WG401726
Chloroethane	mg/l	0.060	0.00	.05	121.	4-176	L382675-05	WG401726
Chloroform	mg/l	0.060	0.00	.05	122.	37-147	L382675-05	WG401726
Chloromethane	mg/l	0.061	0.00	.05	124.	10-174	L382675-05	WG401726
cis-1,2-Dichloroethene	mg/l	0.060	0.00	.05	121.	29-156	L382675-05	WG401726
cis-1,3-Dichloropropene	mg/l	0.045	0.00	.05	91.9	35-148	L382675-05	WG401726
Dibromomethane	mg/l	0.052	0.00	.05	106.	36-152	L382675-05	WG401726
Ethylbenzene	mg/l	0.074	0.003	.05	144.	29-150	L382675-05	WG401726
Iodomethane	mg/l	0.290	0.00	.25	116.	9-169	L382675-05	WG401726
Methylene Chloride	mg/l	0.057	0.00	.05	115.	23-151	L382675-05	WG401726
Styrene	mg/l	0.066	0.00	.05	132.	38-149	L382675-05	WG401726
Tetrachloroethene	mg/l	0.075	0.00	.05	151.	13-157	L382675-05	WG401726
Toluene	mg/l	0.078	0.011	.05	135.	22-152	L382675-05	WG401726
trans-1,2-Dichloroethene	mg/l	0.061	0.00	.05	122.	11-160	L382675-05	WG401726
trans-1,3-Dichloropropene	mg/l	0.043	0.00	.05	87.4	33-153	L382675-05	WG401726
trans-1,4-Dichloro-2-butene	mg/l	0.032	0.00	.05	65.1	19-151	L382675-05	WG401726
Trichloroethene	mg/l	0.067	0.00	.05	136.	18-163	L382675-05	WG401726
Trichlorofluoromethane	mg/l	0.067	0.00	.05	135.	10-177	L382675-05	WG401726
Vinyl acetate	mg/l	0.204	0.00	.25	81.7	0-196	L382675-05	WG401726
Vinyl chloride	mg/l	0.066	0.00	.05	133.	0-179	L382675-05	WG401726
Xylenes, Total	mg/l	0.223	0.018	.15	137.	27-151	L382675-05	WG401726
4-Bromofluorobenzene					101.4	75-128		WG401726
Dibromofluoromethane					90.34	79-125		WG401726
Toluene-d8					104.7	87-114		WG401726
a,a,a-Trifluorotoluene					95.44	84-114		WG401726
COD	mg/l	466.	78.0	400	97.0	90-110	L382673-01	WG401999
Ammonia Nitrogen	mg/l	5.04	0.00	5	101.	80-120	L382673-15	WG401853
COD	mg/l	473.	60.0	400	103.	90-110	L382673-06	WG402107
COD	mg/l	411.	0.00	400	103.	90-110	L382769-01	WG402191
TOC (Total Organic Carbon)	mg/l	51.8	2.00	50	99.5	80-120	L382627-02	WG401727

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Mercury	mg/l	0.00	0.00	135.3	70-130	4.12	20	L382735-03	WG401700
1,1,1,2-Tetrachloroethane	mg/l	9.92	10.0	99.2	45-152	1.29	21	L382548-01	WG401711

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1,1,1-Trichloroethane	mg/l	9.70	10.1	97.0	31-161	3.73	23	L382548-01	WG401711
1,1,2,2-Tetrachloroethane	mg/l	9.35	9.40	93.5	49-149	0.52	22	L382548-01	WG401711
1,1,2-Trichloroethane	mg/l	9.38	9.59	93.8	46-145	2.23	20	L382548-01	WG401711
1,1-Dichloroethane	mg/l	10.1	10.8	101.	30-159	6.12	21	L382548-01	WG401711
1,1-Dichloroethene	mg/l	8.33	8.76	83.3	10-162	4.93	23	L382548-01	WG401711
1,2,3-Trichloropropane	mg/l	8.81	8.68	88.1	48-148	1.51	23	L382548-01	WG401711
1,2-Dibromo-3-Chloropropane	mg/l	8.81	8.44	88.1	37-148	4.26	27	L382548-01	WG401711
1,2-Dibromoethane	mg/l	9.26	9.29	92.6	41-149	0.33	21	L382548-01	WG401711
1,2-Dichlorobenzene	mg/l	9.80	9.94	97.9	40-139	1.42	23	L382548-01	WG401711
1,2-Dichloroethane	mg/l	9.50	9.55	95.0	29-167	0.49	21	L382548-01	WG401711
1,2-Dichloropropane	mg/l	10.5	11.2	105.	39-148	6.38	20	L382548-01	WG401711
1,4-Dichlorobenzene	mg/l	9.49	9.69	94.7	32-136	2.11	23	L382548-01	WG401711
2-Butanone (MEK)	mg/l	53.9	52.6	108.	32-151	2.47	26	L382548-01	WG401711
2-Hexanone	mg/l	50.7	50.7	101.	41-155	0.01	28	L382548-01	WG401711
4-Methyl-2-pentanone (MIBK)	mg/l	54.4	54.8	109.	40-160	0.73	28	L382548-01	WG401711
Acetone	mg/l	94.7	95.3	84.8	25-157	0.57	26	L382548-01	WG401711
Acrylonitrile	mg/l	51.6	51.5	103.	37-162	0.18	24	L382548-01	WG401711
Benzene	mg/l	14.3	14.9	88.1	16-158	4.29	21	L382548-01	WG401711
Bromochloromethane	mg/l	10.2	10.2	102.	36-154	0.24	21	L382548-01	WG401711
Bromodichloromethane	mg/l	9.92	10.1	98.9	45-147	2.01	20	L382548-01	WG401711
Bromoform	mg/l	9.94	10.1	99.4	38-152	1.45	20	L382548-01	WG401711
Bromomethane	mg/l	10.0	9.13	100.	0-191	9.47	35	L382548-01	WG401711
Carbon disulfide	mg/l	7.45	7.85	74.1	10-166	5.19	25	L382548-01	WG401711
Carbon tetrachloride	mg/l	9.40	9.46	94.0	22-168	0.65	24	L382548-01	WG401711
Chlorobenzene	mg/l	9.02	9.33	90.1	33-148	3.44	22	L382548-01	WG401711
Chlorodibromomethane	mg/l	9.97	9.99	99.7	48-151	0.15	21	L382548-01	WG401711
Chloroethane	mg/l	7.47	8.09	74.7	4-176	7.89	27	L382548-01	WG401711
Chloroform	mg/l	9.62	10.1	95.9	37-147	4.54	21	L382548-01	WG401711
Chloromethane	mg/l	7.97	8.46	79.6	10-174	5.95	28	L382548-01	WG401711
cis-1,2-Dichloroethene	mg/l	10.2	10.6	102.	29-156	4.18	22	L382548-01	WG401711
cis-1,3-Dichloropropene	mg/l	10.4	10.6	104.	35-148	1.95	21	L382548-01	WG401711
Dibromomethane	mg/l	9.60	9.76	96.0	36-152	1.68	20	L382548-01	WG401711
Ethylbenzene	mg/l	10.2	10.6	96.9	29-150	3.93	24	L382548-01	WG401711
Iodomethane	mg/l	43.6	47.5	87.3	9-169	8.45	27	L382548-01	WG401711
Methylene Chloride	mg/l	9.24	9.22	92.2	23-151	0.14	21	L382548-01	WG401711
Styrene	mg/l	10.2	10.4	102.	38-149	2.62	23	L382548-01	WG401711
Tetrachloroethene	mg/l	9.62	9.86	96.2	13-157	2.42	24	L382548-01	WG401711
Toluene	mg/l	18.3	18.7	72.8	22-152	2.45	22	L382548-01	WG401711
trans-1,2-Dichloroethene	mg/l	9.87	10.3	98.5	11-160	3.98	23	L382548-01	WG401711
trans-1,3-Dichloropropene	mg/l	10.0	10.2	100.	33-153	1.37	22	L382548-01	WG401711
trans-1,4-Dichloro-2-butene	mg/l	9.08	8.98	90.8	19-151	1.11	29	L382548-01	WG401711
Trichloroethene	mg/l	9.75	10.3	97.5	18-163	5.72	21	L382548-01	WG401711
Trichlorofluoromethane	mg/l	7.01	7.51	70.1	10-177	6.83	24	L382548-01	WG401711
Vinyl acetate	mg/l	43.1	43.2	86.1	0-196	0.33	26	L382548-01	WG401711
Vinyl chloride	mg/l	7.87	8.37	78.7	0-179	6.19	26	L382548-01	WG401711
Xylenes, Total	mg/l	32.4	33.4	85.7	27-151	3.03	23	L382548-01	WG401711
4-Bromofluorobenzene				99.8	75-128				WG401711
Dibromofluoromethane				102.3	79-125				WG401711
Toluene-d8				103.3	87-114				WG401711
a,a,a-Trifluorotoluene				103.7	84-114				WG401711
1,1,1,2-Tetrachloroethane	mg/l	0.45	0.45	91.9	45-152	0.42	21	L382673-01	WG401915
1,1,1-Trichloroethane	mg/l	0.42	0.44	85.6	31-161	3.13	23	L382673-01	WG401915
1,1,2,2-Tetrachloroethane	mg/l	0.46	0.45	92.2	49-149	0.95	22	L382673-01	WG401915
1,1,2-Trichloroethane	mg/l	0.45	0.43	90.8	46-145	3.37	20	L382673-01	WG401915
1,1-Dichloroethane	mg/l	0.45	0.46	88.5	30-159	2.33	21	L382673-01	WG401915
1,1-Dichloroethene	mg/l	0.35	0.37	70.2	10-162	5.25	23	L382673-01	WG401915

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SCIENCE CORP.

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

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

Raleigh, NC 27616

Quality Assurance Report
Level II

L382673

January 16, 2009

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
1,2,3-Trichloropropane	mg/l	0.43	0.41	86.0	48-148	4.31	23	L382673-01	WG401915
1,2-Dibromo-3-Chloropropane	mg/l	0.38	0.39	77.7	37-148	1.73	27	L382673-01	WG401915
1,2-Dibromoethane	mg/l	0.43	0.41	86.6	41-149	3.39	21	L382673-01	WG401915
1,2-Dichlorobenzene	mg/l	0.46	0.48	93.4	40-139	3.53	23	L382673-01	WG401915
1,2-Dichloroethane	mg/l	0.42	0.42	84.0	29-167	2.14	21	L382673-01	WG401915
1,2-Dichloropropane	mg/l	0.45	0.48	91.6	39-148	6.55	20	L382673-01	WG401915
1,4-Dichlorobenzene	mg/l	0.45	0.46	89.8	32-136	2.52	23	L382673-01	WG401915
2-Butanone (MEK)	mg/l	2.36	2.35	94.3	32-151	0.12	26	L382673-01	WG401915
2-Hexanone	mg/l	2.36	2.33	94.4	41-155	1.12	28	L382673-01	WG401915
4-Methyl-2-pentanone (MIBK)	mg/l	2.35	2.43	94.2	40-160	3.10	28	L382673-01	WG401915
Acetone	mg/l	1.89	1.99	75.5	25-157	5.23	26	L382673-01	WG401915
Acrylonitrile	mg/l	2.31	2.32	92.6	37-162	0.40	24	L382673-01	WG401915
Benzene	mg/l	0.43	0.45	86.8	16-158	3.32	21	L382673-01	WG401915
Bromochloromethane	mg/l	0.44	0.46	88.6	36-154	3.83	21	L382673-01	WG401915
Bromodichloromethane	mg/l	0.43	0.44	86.2	45-147	3.36	20	L382673-01	WG401915
Bromoform	mg/l	0.47	0.45	94.1	38-152	3.08	20	L382673-01	WG401915
Bromomethane	mg/l	0.42	0.41	84.4	0-191	2.84	35	L382673-01	WG401915
Carbon disulfide	mg/l	0.28	0.29	57.7	10-166	3.52	25	L382673-01	WG401915
Carbon tetrachloride	mg/l	0.38	0.40	77.3	22-168	3.81	24	L382673-01	WG401915
Chlorobenzene	mg/l	0.43	0.43	85.1	33-148	0.69	22	L382673-01	WG401915
Chlorodibromomethane	mg/l	0.46	0.45	92.7	48-151	1.83	21	L382673-01	WG401915
Chloroethane	mg/l	0.33	0.34	67.5	4-176	2.99	27	L382673-01	WG401915
Chloroform	mg/l	0.41	0.44	83.3	37-147	6.59	21	L382673-01	WG401915
Chloromethane	mg/l	0.33	0.35	67.4	10-174	5.60	28	L382673-01	WG401915
cis-1,2-Dichloroethene	mg/l	0.90	0.94	74.7	29-156	4.74	22	L382673-01	WG401915
cis-1,3-Dichloropropene	mg/l	0.45	0.46	90.5	35-148	2.37	21	L382673-01	WG401915
Dibromomethane	mg/l	0.41	0.42	83.0	36-152	2.70	20	L382673-01	WG401915
Ethylbenzene	mg/l	0.45	0.45	91.5	29-150	0.49	24	L382673-01	WG401915
Iodomethane	mg/l	1.99	2.06	79.7	9-169	3.21	27	L382673-01	WG401915
Methylene Chloride	mg/l	0.40	0.41	80.0	23-151	3.98	21	L382673-01	WG401915
Styrene	mg/l	0.47	0.47	95.4	38-149	1.06	23	L382673-01	WG401915
Tetrachloroethene	mg/l	0.43	0.44	86.6	13-157	1.80	24	L382673-01	WG401915
Toluene	mg/l	0.41	0.43	83.0	22-152	5.35	22	L382673-01	WG401915
trans-1,2-Dichloroethene	mg/l	0.41	0.43	82.2	11-160	3.88	23	L382673-01	WG401915
trans-1,3-Dichloropropene	mg/l	0.43	0.45	87.6	33-153	3.76	22	L382673-01	WG401915
trans-1,4-Dichloro-2-butene	mg/l	0.42	0.41	84.0	19-151	0.86	29	L382673-01	WG401915
Trichloroethene	mg/l	0.43	0.45	85.7	18-163	5.19	21	L382673-01	WG401915
Trichlorofluoromethane	mg/l	0.33	0.35	66.6	10-177	6.97	24	L382673-01	WG401915
Vinyl acetate	mg/l	2.06	2.10	82.6	0-196	1.51	26	L382673-01	WG401915
Vinyl chloride	mg/l	0.35	0.38	65.0	0-179	7.28	26	L382673-01	WG401915
Xylenes, Total	mg/l	1.28	1.28	85.4	27-151	0.28	23	L382673-01	WG401915
4-Bromofluorobenzene				101.5	75-128				WG401915
Dibromofluoromethane				102.9	79-125				WG401915
Toluene-d8				102.0	87-114				WG401915
a,a,a-Trifluorotoluene				99.2	84-114				WG401915
Calcium	mg/l	10.1	10.1	85.8	75-125	0.00	20	L382673-15	WG401782
Cobalt	mg/l	1.07	1.06	94.7	75-125	0.93	20	L382673-15	WG401782
Iron	mg/l	1.05	1.04	92.9	75-125	0.95	20	L382673-15	WG401782
Magnesium	mg/l	10.5	10.4	91.9	75-125	0.95	20	L382673-15	WG401782
Potassium	mg/l	9.19	9.30	81.3	75-125	1.19	20	L382673-15	WG401782
Sodium	mg/l	10.5	10.6	84.1	75-125	0.94	20	L382673-15	WG401782
Alkalinity	mg/l	263.	261.	118.	80-120	0.76	20	L382673-02	WG401981

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12065 Lebanon Rd.
Mt. Juliet, TN 37122
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1-800-767-5859
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3201 Spring Forest Road

Raleigh, NC 27616

Quality Assurance Report
Level II

L382673

January 16, 2009

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
1,1,1,2-Tetrachloroethane	mg/l	0.06	0.06	126.	45-152	3.26	21	L382675-05	WG401726
1,1,1-Trichloroethane	mg/l	0.07	0.07	145.	31-161	2.00	23	L382675-05	WG401726
1,1,2,2-Tetrachloroethane	mg/l	0.06	0.05	120.	49-149	9.82	22	L382675-05	WG401726
1,1,2-Trichloroethane	mg/l	0.05	0.05	117.	46-145	1.73	20	L382675-05	WG401726
1,1-Dichloroethane	mg/l	0.06	0.06	133.	30-159	2.87	21	L382675-05	WG401726
1,1-Dichloroethene	mg/l	0.07	0.07	141.	10-162	4.15	23	L382675-05	WG401726
1,2,3-Trichloropropane	mg/l	0.05	0.05	113.	48-148	7.40	23	L382675-05	WG401726
1,2-Dibromo-3-Chloropropane	mg/l	0.05	0.05	115.	37-148	9.52	27	L382675-05	WG401726
1,2-Dibromoethane	mg/l	0.05	0.05	116.	41-149	3.82	21	L382675-05	WG401726
1,2-Dichlorobenzene	mg/l	0.05	0.05	118.	40-139	0.03	23	L382675-05	WG401726
1,2-Dichloroethane	mg/l	0.06	0.05	126.	29-167	17.5	21	L382675-05	WG401726
1,2-Dichloropropane	mg/l	0.06	0.05	136.	39-148	23.0*	20	L382675-05	WG401726
1,4-Dichlorobenzene	mg/l	0.05	0.05	112.	32-136	5.36	23	L382675-05	WG401726
2-Butanone (MEK)	mg/l	0.28	0.24	116.	32-151	16.2	26	L382675-05	WG401726
2-Hexanone	mg/l	0.28	0.24	113.	41-155	12.5	28	L382675-05	WG401726
4-Methyl-2-pentanone (MIBK)	mg/l	0.29	0.23	119.	40-160	23.1	28	L382675-05	WG401726
Acetone	mg/l	0.34	0.29	139.	25-157	18.0	26	L382675-05	WG401726
Acrylonitrile	mg/l	0.30	0.25	123.	37-162	17.0	24	L382675-05	WG401726
Benzene	mg/l	0.07	0.07	126.	16-158	0.91	21	L382675-05	WG401726
Bromochloromethane	mg/l	0.06	0.05	120.	36-154	14.1	21	L382675-05	WG401726
Bromodichloromethane	mg/l	0.06	0.05	139.	45-147	23.2*	20	L382675-05	WG401726
Bromoform	mg/l	0.06	0.05	121.	38-152	6.17	20	L382675-05	WG401726
Bromomethane	mg/l	0.05	0.05	105.	0-191	2.34	35	L382675-05	WG401726
Carbon disulfide	mg/l	0.06	0.06	122.	10-166	6.52	25	L382675-05	WG401726
Carbon tetrachloride	mg/l	0.06	0.07	136.	22-168	4.11	24	L382675-05	WG401726
Chlorobenzene	mg/l	0.06	0.06	122.	33-148	8.55	22	L382675-05	WG401726
Chlorodibromomethane	mg/l	0.06	0.05	122.	48-151	3.81	21	L382675-05	WG401726
Chloroethane	mg/l	0.06	0.06	120.	4-176	0.50	27	L382675-05	WG401726
Chloroform	mg/l	0.06	0.06	130.	37-147	6.17	21	L382675-05	WG401726
Chloromethane	mg/l	0.06	0.06	124.	10-174	0.16	28	L382675-05	WG401726
cis-1,2-Dichloroethene	mg/l	0.06	0.06	128.	29-156	5.67	22	L382675-05	WG401726
cis-1,3-Dichloropropene	mg/l	0.05	0.04	103.	35-148	11.7	21	L382675-05	WG401726
Dibromomethane	mg/l	0.05	0.05	120.	36-152	12.6	20	L382675-05	WG401726
Ethylbenzene	mg/l	0.06	0.07	124.	29-150	14.3	24	L382675-05	WG401726
Iodomethane	mg/l	0.30	0.29	122.	9-169	5.53	27	L382675-05	WG401726
Methylene Chloride	mg/l	0.06	0.05	126.	23-151	9.04	21	L382675-05	WG401726
Styrene	mg/l	0.06	0.06	124.	38-149	6.62	23	L382675-05	WG401726
Tetrachloroethene	mg/l	0.06	0.07	122.	13-157	21.0	24	L382675-05	WG401726
Toluene	mg/l	0.07	0.07	130.	22-152	3.59	22	L382675-05	WG401726
trans-1,2-Dichloroethene	mg/l	0.05	0.06	120.	11-160	1.94	23	L382675-05	WG401726
trans-1,3-Dichloropropene	mg/l	0.04	0.04	99.9	33-153	13.3	22	L382675-05	WG401726
trans-1,4-Dichloro-2-butene	mg/l	0.03	0.03	72.3	19-151	10.6	29	L382675-05	WG401726
Trichloroethene	mg/l	0.06	0.06	124.	18-163	9.20	21	L382675-05	WG401726
Trichlorofluoromethane	mg/l	0.06	0.06	129.	10-177	4.22	24	L382675-05	WG401726
Vinyl acetate	mg/l	0.26	0.20	104.	0-196	23.9	26	L382675-05	WG401726
Vinyl chloride	mg/l	0.06	0.06	130.	0-179	2.30	26	L382675-05	WG401726
Xylenes, Total	mg/l	0.19	0.22	118.	27-151	13.1	23	L382675-05	WG401726
4-Bromofluorobenzene				100.9	75-128				WG401726
Dibromofluoromethane				103.0	79-125				WG401726
Toluene-d8				110.0	87-114				WG401726
a,a,a-Trifluorotoluene				113.2	84-114				WG401726
COD	mg/l	475.	466.	99.3	90-110	1.91	5	L382673-01	WG401999
Ammonia Nitrogen	mg/l	5.15	5.04	103.	80-120	2.16	20	L382673-15	WG401853

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Level II

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January 16, 2009

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
COD	mg/l	458.	473.	99.5	90-110	3.22	5	L382673-06	WG402107
COD	mg/l	405.	411.	101.	90-110	1.47	5	L382769-01	WG402191
TOC (Total Organic Carbon)	mg/l	52.6	51.8	101.	80-120	1.69	20	L382627-02	WG401727

Batch number /Run number / Sample number cross reference

WG401706: R589985: L382673-01 02 03 04 05 06 15
WG401700: R590467: L382673-01 02 03 04 05 06 15
WG401711: R590565: L382673-01 02 03 04 06 07 08 09
WG401915: R590785: L382673-01 02 03 05 06 07 08
WG401782: R591205 R591206: L382673-01 02 03 04 05 06 07 08 09 10 11 12 13 14 15
WG401981: R592225: L382673-01 02 03 04 05 06 15
WG401726: R592385: L382673-10 11 12 13 14 15 16
WG401999: R592625: L382673-01 02 03 04
WG401853: R593085: L382673-01 02 03 04 05 06 15
WG402107: R593285: L382673-05 06
WG402191: R593866: L382673-15
WG401677: R594154: L382673-01 02 03 04 05 06 15
WG401727: R596068: L382673-01 02 03 04 05 06 15

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

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

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

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

S&ME Inc. - Raleigh NC

3201 Spring Forest Road
Raleigh,NC 27616

Alternate billing information:

Chain of Custody
Page 1 of 2

E096

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

Report to: Jerry Paul
Email: jpaul@smeinc.com,swatts@s

Project Description: Edgecombe County LF
City/State Collected: Tarboro, NC

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

Collected by (print): M. Cogut, J. Paul
Site/Facility ID#:
P.O.#:

Collected by (signature): M. Cogut
Immediately Packed on Ice N ___ Y (X)

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

Date Results Needed
Email? __No __Yes
FAX? __No __Yes

Acctnum: SMERLNC (lab use only)
Template/Prelogin: T51896 P267753
Cooler #: 12/30/08
Shipped Via: FedEX Ground

Analysis/Container/Preservative

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	ALK 500mlHDPE-NoPres	BOD 1L-HDPE-NoPres	COD / NH3 250mlHDPE-H2SO4	Ca,Co,Fe,Hg,K,Mg,Na 500mlHDPE-HNO3	Chloride / Sulfate 125mlHDPE-NoPres	Cobalt only 500mlHDPE-HNO3	TOC 250mlAmb-Septa-HCl	V8260AP1 40mlAmb-HCl	Remarks/Contaminant	Sample # (lab only)
MW-5	G	GW		1/8/09	1755	8	X	X	X	X	X		X	X		L382673-01
MW-6		GW			1652	8	X	X	X	X	X		X	X		-02
MW-7A		GW			1725	8	X	X	X	X	X		X	X		-03
MW-13		GW			15:30	8	X	X	X	X	X		X	X		-04
MW-16		GW			16:20	8	X	X	X	X	X		X	X		-05
DUPLICATE		GW			—	8	X	X	X	X	X		X	X		-06
MW-3B		GW			09:20	3						X		X		-07
MW-4		GW			09:50	3						X		X		-08
MW-9		GW			10:40	3						X		X		-09

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

Remarks: Please use ESC Chain of custody for this project to ensure proper format.

pH _____ Temp _____
Flow _____ Other _____

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐	Condition: (lab use only)
M. Cogut, J. Paul	1/8/09	19:10			
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.6° Bottles Received: 81	COC Seal Intact: ___ Y ___ N ✓ NA
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 1/9/09 Time: 0900	pH Checked: ✓ NCF: ✓

S&ME Inc. - Raleigh NC

3201 Spring Forest Road
Raleigh,NC 27616

Alternate billing information:

Analysis/Container/Preservative

Chain of Custody
Page ___ of ___
2 of 2

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

Report to: Jerry Paul
Email: jpaul@smeinc.com,swatts@s

Project Description: GOOSECOMBE COUNTY LF
City/State Collected: TARBORO, NC

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

Collected by (print): M. COGGIN, J. PAUL
Site/Facility ID#:
P.O.#:

Collected by (signature): M. Coggin
Immediately Packed on Ice N (X)

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

Date Results Needed
Email? __No __Yes
FAX? __No __Yes

Accnum: SMERLNC (lab use only)
Template/Prelogin: T51896/ P267753
Cooler #: 12/30185
Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	V8260AP1 40mlAmb-HCl-Blk						Remarks/Contaminant	Sample # (lab only)
MW-12	G	GW		1/8/09	12:00	3								1382673-10
MW-14		GW			12:40	3								-11
MW-15		GW			13:25	3								-12
UPSTREAM		GW			17:17	3								-13
DOWNSTREAM		GW			16:00	3								-14
EQUIPMENT BLK		GW			1650	3								-15
TRIP BLK		GW				1	X							-16

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

Remarks: Please use ESC Chain of custody for this project to ensure proper format.

pH _____ Temp _____
Flow _____ Other _____

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☑ FedEx ☐ Courier ☐	Condition: (lab use only)
M. Michelle J. Jogi	1/8/09	1910			
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.6c Bottles Received: 81	COC Seal Intact: ___Y ___N ✓ NA
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 1/9/09 Time: 0900	pH Checked: LL NCF: ✓

ENVIRONMENTAL SCIENCE CORP.

SAMPLE NON-CONFORMANCE FORM

Sample No. : L382673

Date: 1/9/09

Evaluated by: Landon Tobell

Client: SMERLNC

Non-Conformance (check applicable items)

	Chain of Custody is missing	✓	Login Clarification Needed
	Improper container type		Improper preservation
	Chain of custody is incomplete		Container lid not in tact
	Parameter(s) past holding time		Improper temperature
	Broken container(s) see below		Broken container: sufficient sample volume remains for analysis requested

	Insufficient packing material around container
	Insufficient packing material inside cooler
	Improper handling by carrier (FedEx / UPS / Courier)
	Sample was frozen

Comments: Received BOD, Alk, COD, sulfate, TOC for Equipment Blank that is not on C.O.C

TSR Initials: TM

Login Instructions:

Client informed by call / email / fax / voice mail date: 1/9/09 time: 10:30

Client contact: N/A

1) Run them all

APPENDIX II

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

APPENDIX III

GROUNDWATER VELOCITY CALCULATIONS

Calculations
Edgecombe County Landfill
S&ME Job No. 1054-07-238A

Purpose: To determine the average true hydraulic gradient

Given:				**Well**	**GW Elev**
$k_{A\ ZONE}$:	**hydraulic conductivity**	**2.946**	**FT/DAY**	MW-3B	71.39
$k_{B\ ZONE}$:	**hydraulic conductivity**	**0.4323**	**FT/DAY**	MW-5	42.87
D: porosity		**0.15**	**dimensionless**	MW-7A	54.33
				P-1	67.57

i_{AVG}: **AVERAGE HYDRAULIC GRADIENT** **0.0199** **FT/FT**

CALCULATED FROM THE AVERAGE OF THREE POINT SOLUTIONS USING WELLS MW-5, MW-7A, MW-3B or P-1

GRADIENT:

$$i = \frac{h_1 - h_2}{\text{distance}}$$

WHERE DISTANCE BETWEEN h_1 AND h_2 IS PARALLEL TO FLOW DETERMINED FROM 3 POINT PROBLEM BY PROJECTION

$$i_1 = \frac{\text{MW-3B} - \text{MW-5}}{\text{distance}} = \frac{71.39 - 42.87}{1485} = \mathbf{0.0192}$$

Use Elevation of Groundwater at MW-7A to establish 54.33' elevation between MW-3B and MW-5

$$\frac{\text{MW-3B - MW-7A}}{\text{gradient (MW-3B and MW-5)}} = \frac{71.39 - 54.33}{0.0192054} = 888.29$$

Draw line from MW-7A to point located 888.29 feet from MW-3B to MW-5.

Measure new distance between MW-3B and MW-5 perpendicular to line plotted for 54.33' contour. Recalculate Gradient

$$i_1 = \frac{\text{MW-3B} - \text{MW-5}}{\text{New Distance}} = \frac{71.39 - 42.87}{1475} = \mathbf{0.01934}$$

True Hydraulic Gradiient = **0.01934**

$$i_2 = \frac{\text{P-1} - \text{MW-5}}{\text{distance}} = \frac{67.57 - 42.87}{1320} = \mathbf{0.0187}$$

Use Elevation of Groundwater at MW-7A to establish 54.33' elevation between P-1 and MW-5

$$\frac{\text{P-1 - MW-7A}}{\text{gradient (MW-3B and MW-5)}} = \frac{67.57 - 54.33}{0.0187121} = 707.56$$

Draw line from MW-7A to point located 707.56 feet from P-1 to MW-5.

Measure new distance between P-1 and MW-5 perpendicular to line plotted for 54.49' contour. Recalculate Gradient

$$i_2 = \frac{\text{P-1} - \text{MW-5}}{\text{New Distance}} = \frac{67.57 - 42.87}{1207} = \mathbf{0.020464}$$

True Hydraulic Gradiient = **0.020464**

Average True Hydraulic Gradient = **0.0199**

Calculations
Edgecombe County Landfill
S&ME Project No. 1054-07-238A

AVERAGE LINEAR GROUNDWATER FLOW VELOCITY:

MW-3

k:	**5.95E-05**	cm/sec			
Convert k from cm/sec to ft/day	**5.95E-05**	*		1.9685	
	=	0.000117126		ft/min	
	= 0.000117126	ft/min	*	1440	min/day
	= 0.16866144	ft/day	*	365	day/year
	= 61.5614256	**ft/year**			

Average True Gradient MW-3B MW-5= i:	**0.0199**	ft/ft
n:	**15.00%**	percent

$$V = \frac{K_{A\ ZONE}\, i}{n}$$

$$V = \frac{61.561 * 0.0199\ FT/FT}{0.15} =$$ **8.1671** **FT/YR**

APPENDIX IV

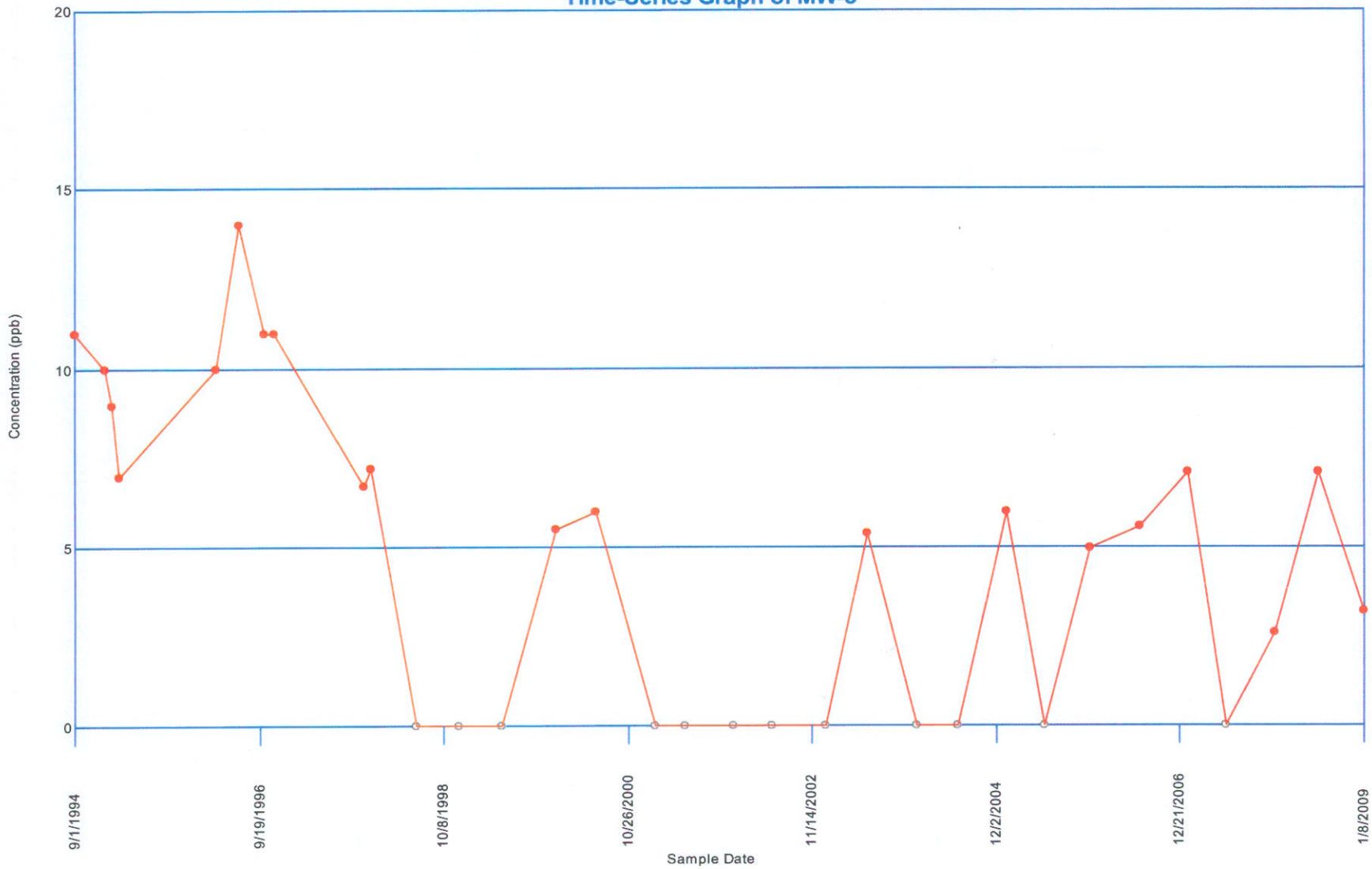
STATISTICAL ANALYSIS INFORMATION

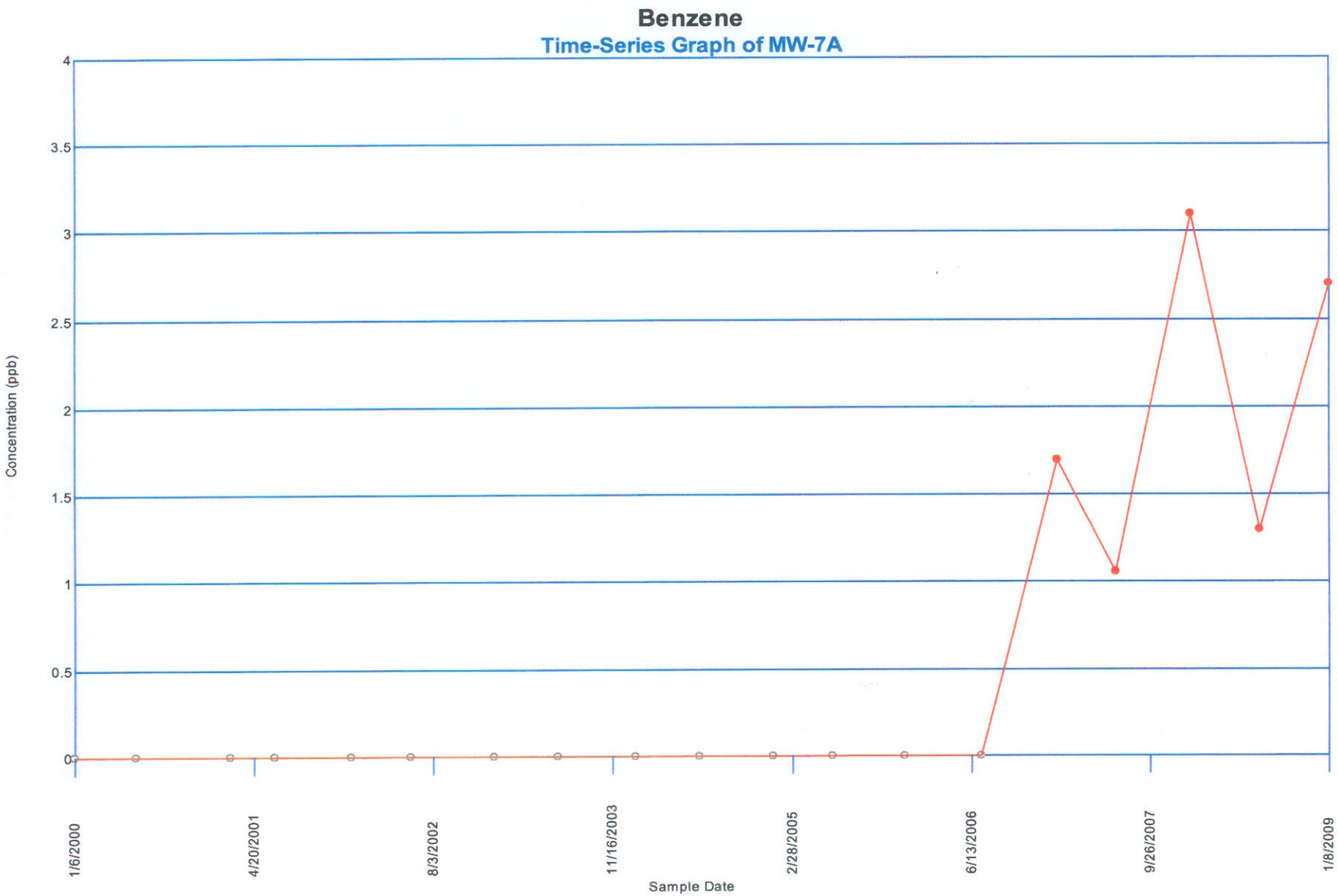
APPENDIX V

TIME SERIES GRAPHS FOR MONITOR WELLS

Benzene

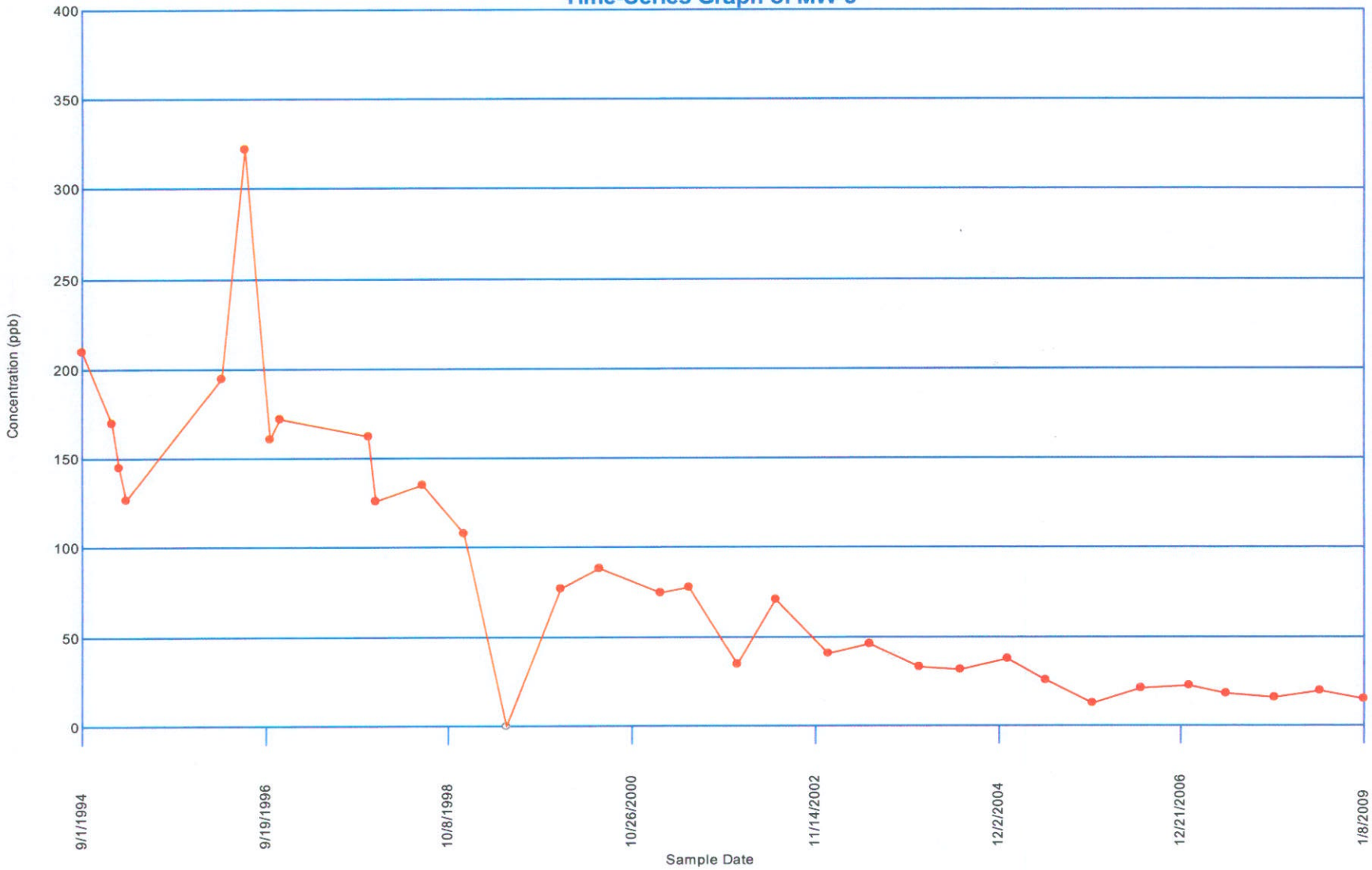
Time-Series Graph of MW-5




Benzene
Time-Series Graph of MW-7A
Concentration (ppb)
4
3.5
3
2.5
2
1.5
1
0.5
0
1/6/2000
4/20/2001
8/3/2002
11/16/2003
2/28/2005
6/13/2006
9/26/2007
1/8/2009
Sample Date

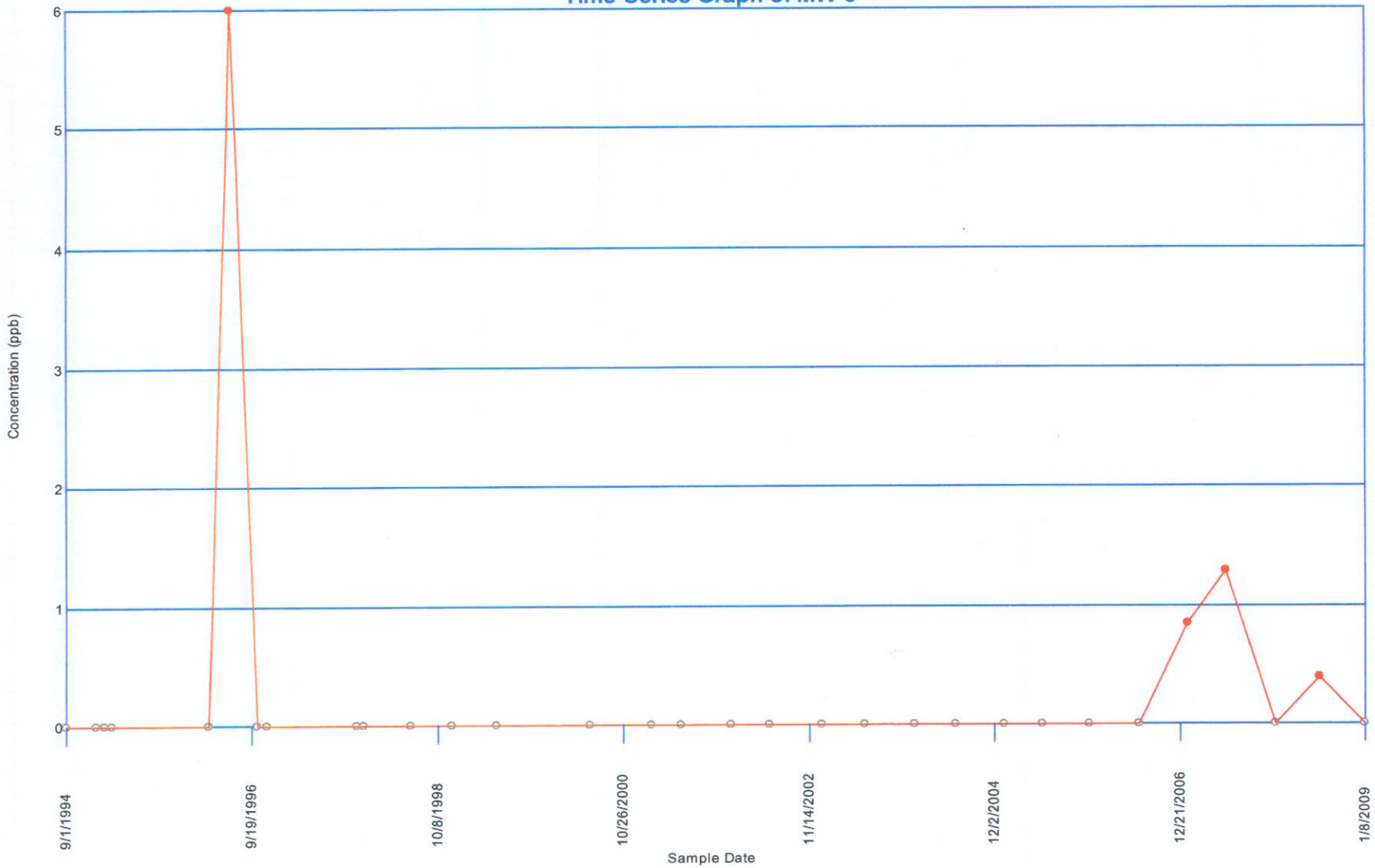
1,1-Dichloroethane

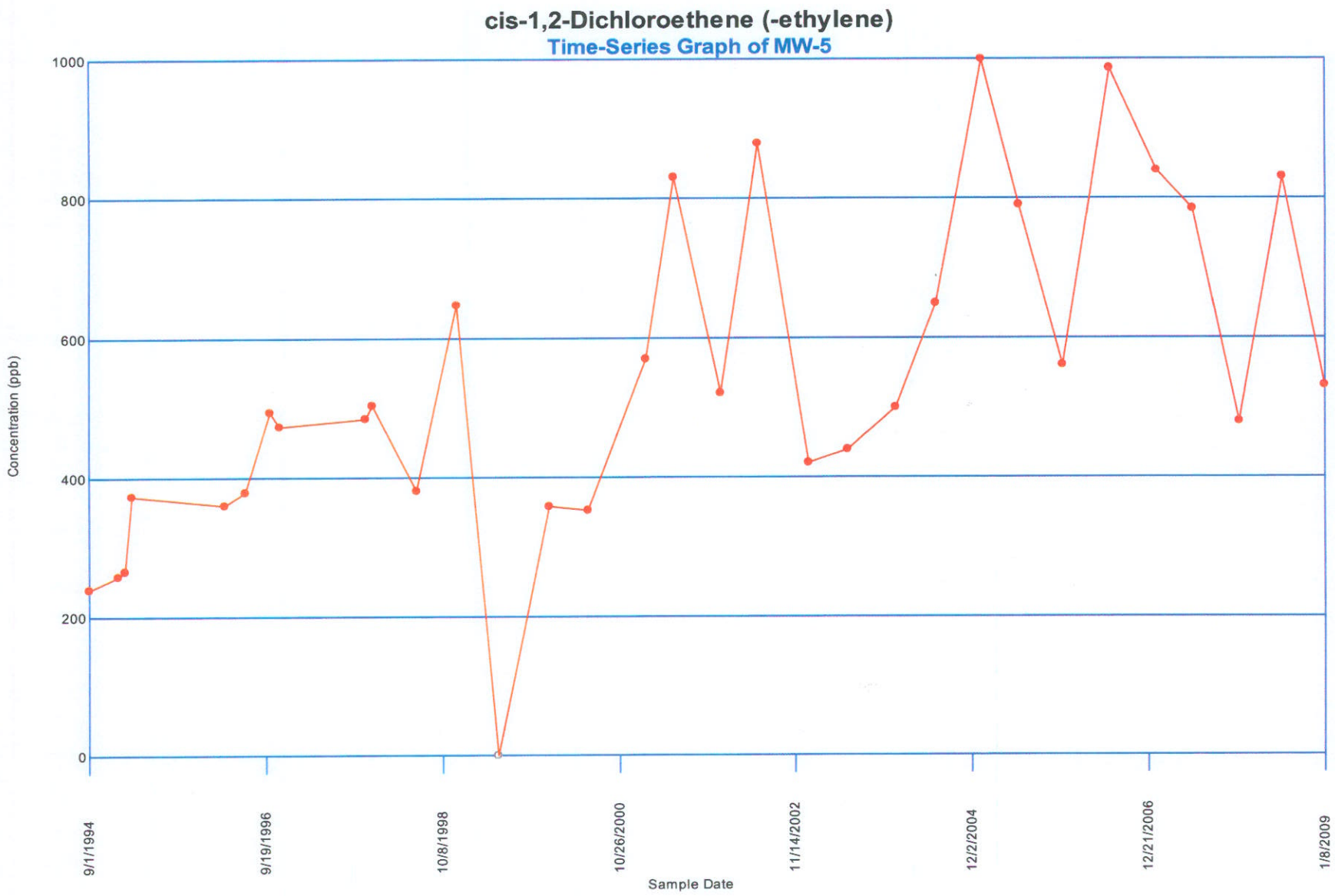
Time-Series Graph of MW-5

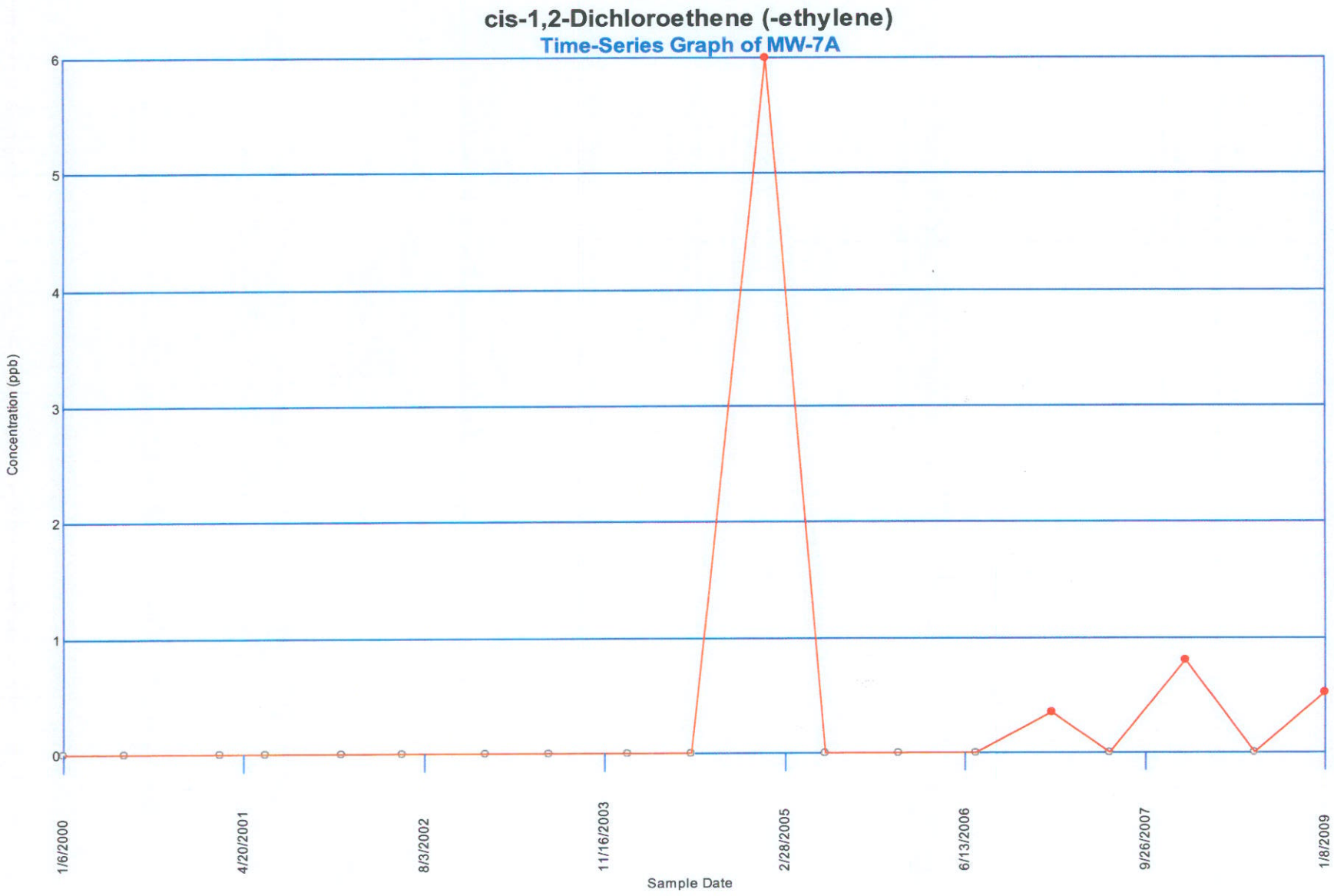


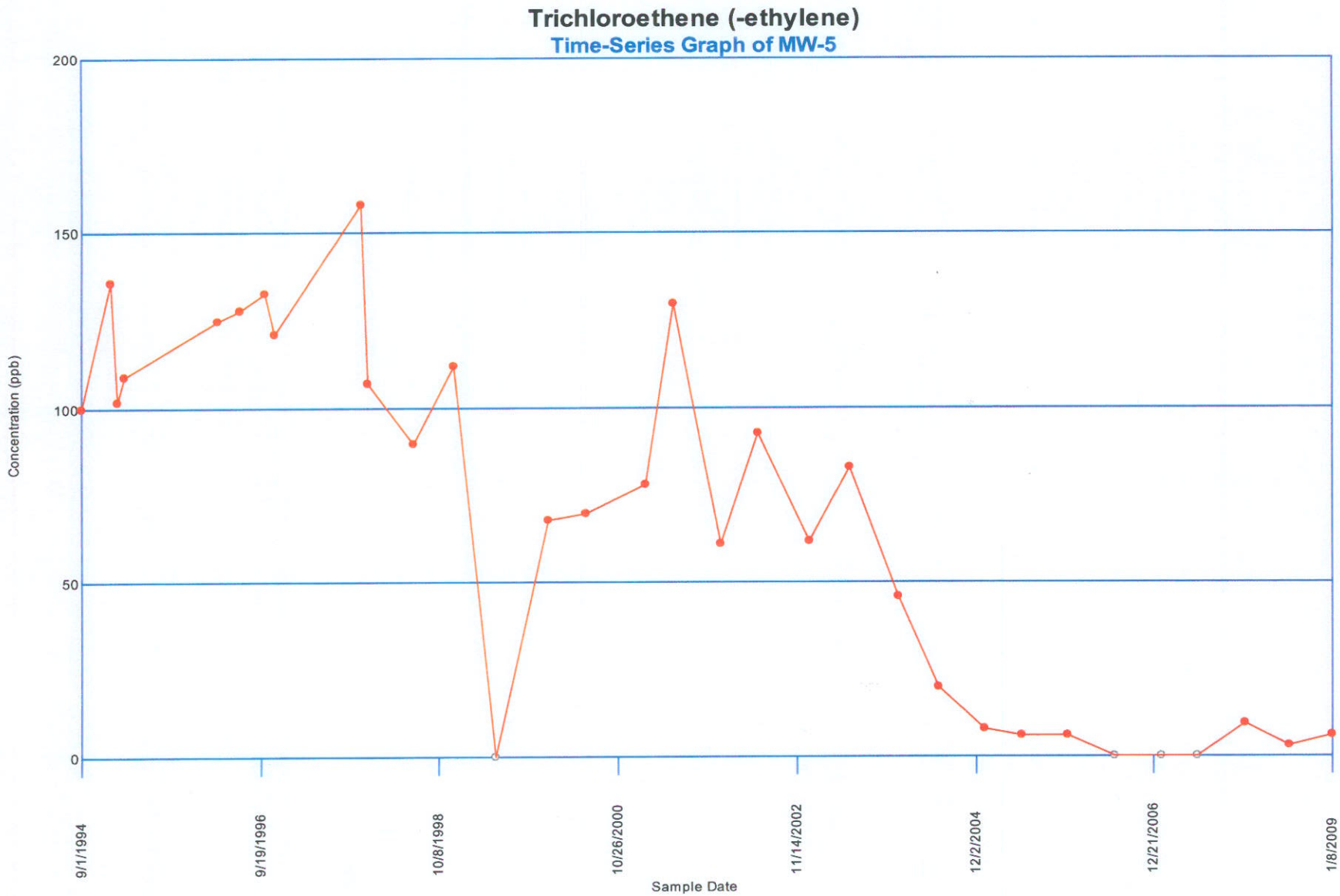
1,1-Dichloroethane

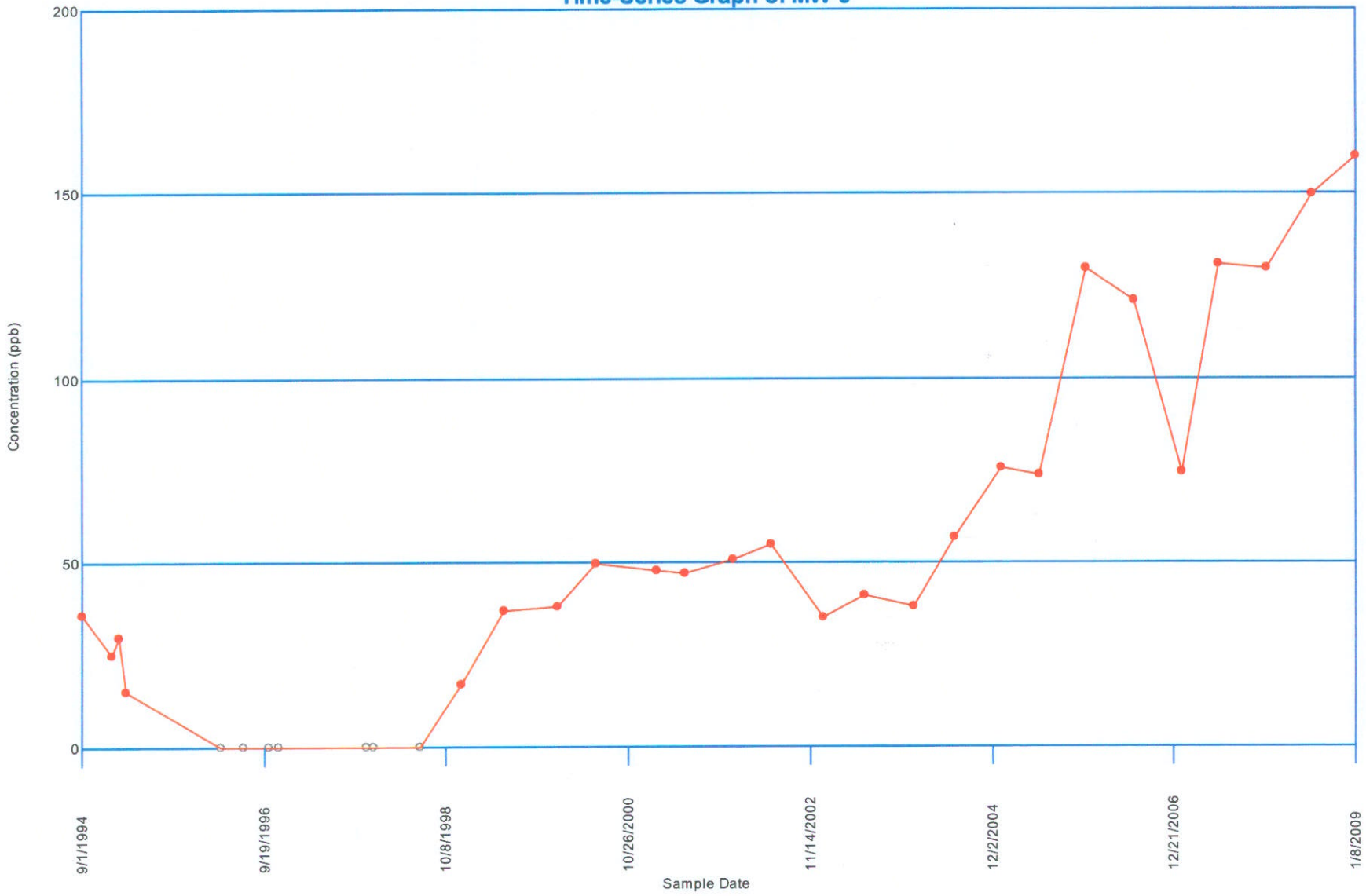
Time-Series Graph of MW-6




cis-1,2-Dichloroethene (-ethylene)
Time-Series Graph of MW-5
Concentration (ppb)
1000
800
600
400
200
0
9/1/1994
9/19/1996
10/8/1998
10/26/2000
11/14/2002
12/2/2004
12/21/2006
1/8/2009
Sample Date


cis-1,2-Dichloroethene (-ethylene)
Time-Series Graph of MW-7A
Concentration (ppb)
0
1
2
3
4
5
6
1/6/2000
4/20/2001
8/3/2002
11/16/2003
2/28/2005
6/13/2006
9/26/2007
1/8/2009
Sample Date


Trichloroethene (-ethylene)
Time-Series Graph of MW-5
Concentration (ppb)
200
150
100
50
0
9/1/1994
9/19/1996
10/8/1998
10/26/2000
11/14/2002
12/2/2004
12/21/2006
1/8/2009
Sample Date

Cobalt

Time-Series Graph of MW-5