JANUARY 2007
SEMI-ANNUAL GROUNDWATER AND SURFACE WATER SAMPLING EVENT
EDGECOMBE COUNTY LANDFILL
TARBORO, NORTH CAROLINA
S&ME JOB NO. 1040-01-545E

Prepared for:

Edgecombe County
PO Box 10
Tarboro, NC 27886

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Waste Management

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NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

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

Instructions:

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

Solid Waste Monitoring Data Submittal Information

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

S&ME, Inc. (consultant)

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

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

E-mail: swatts@smeinc.com

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

Environmental Status: (Check all that apply)

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

Type of data submitted: (Check all that apply)

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

Notification attached?

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

Certification

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

Sam Watts	Consultant/Geologist	(919) 872-2660
Facility Representative Name (Print)	Title	(Area Code) Telephone Number
Signature	5/23/07 Date	Affix NC Licensed Professional Geologist/Engineer Seal here:

NORTH CAROLINA LICENSED SEAL 1806 GEOLOGIST SAMUEL P. WATTS

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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). The facility includes the following features:

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

Edgecombe County has continued to perform groundwater and surface water monitoring on a semiannual basis to comply with the requirements of North Carolina Solid Waste Management Rules (Solid Waste Rules), 15A NCAC 13B. S&ME has prepared this report on behalf of Edgecombe County to present the results of the January 2007 monitoring event as required by § .600 of the Solid Waste Rules.

The January 2007 monitoring event included sampling for groundwater quality from the following wells selected from the groundwater monitoring network:

Water Quality Monitoring Network
Groundwater Sampling Locations

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

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

1.2 BACKGROUND

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

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

2.0 JANUARY 2007 SAMPLING EVENT

S&ME personnel conducted semi-annual groundwater sampling at seven monitoring wells and two surface water locations at the Edgecombe County Landfill (Figure 1) for the January 2007 sampling event. A discussion of field sampling methods and locations for the January 2007 groundwater and surface water sampling event are included in the following sections. S&ME personnel performed sampling at the facility in accordance with the Solid Waste Rules and the facility's *Water Quality Monitoring Plan* (WQMP), dated May 1994, and *Revisions to the Sampling and Analysis Plan* (SAP), dated November 1998.

2.1 GROUNDWATER SAMPLING METHODS AND PROCEDURES

Prior to sampling the monitoring network, the depth to static groundwater in each monitoring well to be sampled was measured to an accuracy of ±0.01 feet using an electronic water level indicator. In addition to the sampled wells (MW-1A, MW-3B, MW-4, MW-5, MW-6, MW-7A, and MW-9), the depth to static groundwater was also measured in monitoring wells MW-5S, MW-5D, MW-8A, and MW-10 and piezometers P-1, P-2A and P-3A. The electronic water level indicator was decontaminated before its initial use and between measurements at each well location. Field personnel wore clean protective/non-reactive gloves at each well location when collecting water-level measurements. Water level measurements are summarized in Table 1.

Following the collection of static groundwater level measurements, stagnant water from each well identified for sampling was purged using a low-flow peristaltic pump apparatus. As purging proceeded, pH, temperature, specific conductance, and turbidity were measured and recorded. In accordance with the revised SAP, a groundwater sample was collected after field parameters stabilized and the turbidity measurement was approximately 20 Nephelometric Turbidity Units (NTUs) or below. This NTU reading was reached in all wells with the exception of monitor wells MW-1A and MW-9. The field parameters measured immediately before collecting each groundwater sample are presented in Table 1. One blind duplicate groundwater sample set was collected in tandem with laboratory-prepared containers filled with groundwater sampled from MW-5 for the purpose of Quality Assurance/Quality Control (QA/QC).

Groundwater samples were submitted to Environmental Conservation Laboratories, Inc. (ENCO), a North Carolina-certified laboratory, for analysis of constituents listed under 40 CFR 258 Appendix I. The results of analytical testing are discussed in Section 4.1 and a summary of compound concentrations

detected are presented in Table 1 and Table 3. A copy of the groundwater laboratory report is provided in Appendix I. A compact disk (CD) with and electronic copy of Table 1 in excel spreadsheet format (.xls) and an electronic copy of this report in portable document format (.pdf) is included in Appendix II.

2.2 SURFACE WATER SAMPLING METHODS AND PROCEDURES

Surface water samples were collected by S&ME personnel directly from Jerry's Creek. The samples were collected on January 24, 2007, at the previously established surface water sampling locations to monitor surface water compliance requirements. The upstream and downstream staff gauge locations are shown on Figure 2. The surface water samples were submitted to ENCO for laboratory testing for constituents listed in 40 CFR Appendix I. Laboratory test results are discussed in Section 4.2. A copy of the surface water laboratory report is provided in Appendix I. A compact disk (CD) with and electronic copy of Table 1 in excel spreadsheet format (.xls) is included in Appendix II.

3.0 SITE HYDROGEOLOGY

3.1 GROUNDWATER ELEVATIONS AND FLOW DIRECTION

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

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

3.2 GROUNDWATER FLOW VELOCITY

Aquifer slug tests were performed previously utilizing rising and falling head techniques. The slug test data were used to estimate the hydraulic conductivity of the sediments in the surficial aquifer intersected at the monitoring well locations tested. The aquifer test data (provided in previous reports) were analyzed by the Bouwer and Rice Method. As summarized on Table 2, the estimated hydraulic conductivity values range from 1.29×10^{-5} centimeters per second (cm/sec) at MW-6 to 3.65×10^{-4} cm/sec at P-1.

Using the current groundwater elevation information and historical information on hydraulic conductivity and effective porosity, S&ME calculated the horizontal groundwater flow gradient and the estimated groundwater flow velocity at each well and piezometer location. This groundwater flow velocity information is summarized on Table 2 and is presented on Figure 2. Calculated groundwater flow velocities in the surficial aquifer ranged from 2.0 to 39.0 feet per year (ft/yr). These velocities are based on

the gradient and the typical aquifer characteristics (porosity and hydraulic conductivity) measured at each well. The hydraulic gradient was determined from the difference in hydraulic head between two points divided by the distance parallel to the direction of groundwater flow between the two points. While the values measured at each well represent the calculated groundwater flow at that well location, the average groundwater flow velocity for the site is 13.56 ft/yr. The average hydraulic gradient within the surficial aquifer is 0.020 ft/ft. The calculated gradients and resulting groundwater velocities in January 2007 were similar to those recorded during the previous sampling events.

4.0 GROUNDWATER AND SURFACE WATER QUALITY

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

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

In reference to the constituents detected during this sampling event, the new SWSLs and MDLs are lower than the previous PQLs. For these reasons, several constituents that have not previously been detected were detected in the January 2007 sampling event.

4.1 GROUNDWATER ANALYTICAL DATA

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

Monitoring wells MW-3B, MW-4, and MW-9 are upgradient (background) wells sampled during the January 2007 sampling event. Monitoring wells MW-1A, MW-5, MW-6 and MW-7 are downgradient (compliance) wells sampled during this.sampling event. No Appendix I volatile organic compounds (VOCs) were detected in groundwater samples from upgradient wells MW-3B, MW-4, and MW-9.

Laboratory analyses indicated that Appendix I VOCs were detected in the groundwater samples collected from downgradient wells MW-1A and MW-6, but below their respective SWSLs and 2L Standards. The Appendix I VOC benzene was detected in the groundwater sample collected from MW-7A at a concentration of 1.7 micrograms per liter (μg/L), exceeding its 2L Standard of 1μg/L. Five additional Appendix I VOCs were detected in the groundwater sample collected from MW-7A, but below their respective SWSLs and 2L Standards.

The duplicate groundwater sample was collected from monitor well MW-5. The data reported from both the duplicate groundwater sample and original groundwater sample collected from MW-5 were reported from a dilution. The analyses completed on the groundwater samples collected from MW-5 indicated that the concentrations of the Appendix I VOCs chlorobenzene, 1,1-dichloroethane, and trans-1,2-dichloroethene were detected above their respective SWSLs but below their respective 2L Standards. Laboratory analyses also indicated that Appendix I VOCs benzene (7.1 μg/L), 1,4-dichlorobenzene (8.8 μg/L) , cis-1,2-dichloroethane (840 μg/L) , and vinyl chloride (49 μg/L) were detected in the groundwater samples collected from MW-5 at concentrations which exceed their 2L Standards of 1 μg/L, 1.4 μg/L, 70 μg/L, and 0.015 μg/L, respectively. The Appendix I VOCs benzene and 1,4-dichlorobenzne detected in the groundwater samples collected from MW-5 were detected below the reporting limit and therefore are estimated concentrations.

The Appendix I VOC trichloroethene was detected in the duplicate groundwater sample taken from MW-5 at a concentration of 3.4 μg/L which exceeds the 2L Standard of 2.8 μg/L. However, trichloroethene was

not detected in the original groundwater sample taken from MW-5. S&ME personnel contacted Jim Hays with ENCO on February 13, 2007. Mr. Hays stated that trichloroethene was detected in the original groundwater sample collected from MW-5, but at a concentration slightly below the laboratory method detection limit. Also, the duplicate groundwater sample collected from MW-5 was diluted at a 10:1 ratio and the concentration of trichloroethene was an estimated value. Therefore, Mr. Hays indicated that it appears that low levels of trichloroethene were present in both groundwater samples collected from MW-5.

No additional Appendix I VOCs were reported above their respective SWSLs or 2L Standards for the groundwater samples collected from monitor wells MW-1A, MW-3B, MW-4, MW-5, MW-6, MW-7A, and MW-9.

Several Appendix I inorganic compound concentrations were detected in the upgradient (background) wells. The Appendix I inorganic compound barium was detected in the groundwater sample collected from MW-3B above its respective SWSL, but below the 2L Standard. Laboratory analyses indicated that cobalt was detected in the groundwater sample collected from MW-3B at a concentration of 6.1 µg/L, which exceeds its Solid Waste Groundwater Protection Standard (GWPST) of 2 µg/L. The concentration of cobalt detected in the groundwater sample collected from MW-3B was detected below the reporting limit and therefore is an estimated concentration. Four additional Appendix I inorganic compounds were detected in the groundwater sample collected from MW-3B, but below their respective SWSLs and GWPST/2L Standards.

Three Appendix I inorganic compounds were detected in the groundwater sample collected from monitor well MW-4, but below their respective SWSLs and 2L Standards. The Appendix I inorganic compound barium was detected in the groundwater sample collected from upgradient monitor well MW-9 above its respective SWSL, but below the 2L Standard. No additional Appendix I inorganic compounds were detected in the sample collected from MW-9.

Laboratory analyses indicated that the Appendix I inorganic compound zinc was detected in the groundwater sample collected from downgradient monitor well MW-1A above its respective SWSL, but below the 2L Standard. Three additional Appendix I inorganic compounds were detected in the sample collected from MW-1A, but below their respective SWSLs and GWPST/2L Standards. Three Appendix I inorganic compounds were detected in the groundwater sample collected from monitor well MW-6 below their respective SWSLs and GWPST/2L Standards. Barium was detected in the groundwater sample

collected from MW-7A at a concentration exceeding its respective SWSL, but below the 2L Standard. No additional Appendix I inorganic compounds were detected in the sample collected from MW-7A.

The Appendix I inorganic compounds barium and zinc were detected in the groundwater samples collected from MW-5 at concentrations exceeding their respective SWSLs, but below their respective 2L Standards. Laboratory analyses indicated that the Appendix I inorganic compound cobalt was detected in the groundwater samples collected from MW-5 at a concentration of 74.9 µg/L which exceeds its GWPST of 2 µg/L. Three additional Appendix I inorganic compounds were detected in the groundwater samples collected from MW-5, but below their respective SWSLs and GWPST/2L Standards.

No additional Appendix I inorganic compounds were detected above their respective SWSLs or GWPST/2L Standards for the groundwater samples collected from monitor wells MW-1A, MW-3B, MW-4, MW-5, MW-6, MW-7A, and MW-9.

4.2 SURFACE WATER ANALYTICAL DATA

Surface water sample analyses were compared to the North Carolina surface water standards as promulgated in 15A NCAC, Subchapter 2B, hereafter referred to as the 2B Standards. One Appendix I VOC was reported in the surface water sample collected from the downstream location at a concentration exceeding its respective laboratory detection limit. However, the concentration detected was below the respective SWSL and 2B Standard. Two Appendix I inorganic compounds were detected in the surface water samples collected from both the upstream and downstream locations, but below their respective SWSLs and 2B Standards. No additional Appendix I VOC or inorganic compound concentrations were detected in either of the surface water sampling points located upstream or downstream of the landfill along Jerry's Creek.

The results of the laboratory tests are summarized in Table 1 and Table 3. The laboratory reports are provided in Appendix I. A compact disk (CD) with and electronic copy of Table 1 in excel spreadsheet format (.xls) is included in Appendix II.

5.0 DISCUSSION OF GROUNDWATER DETECTIONS

As discussed in Section 4.0, the following 16 individual Appendix I constituents were detected in the January 2007 monitoring event:

January 2007 Sampling Event – Constituents Detected in Groundwater

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

5.1 STATISTICAL ANALYSIS

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

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

- Several constituents that have not been detected during previous sampling events were detected in the January 2007 sampling event due to the fact that the new SWSLs and MDLs are lower than the previous PQLs. Additional sampling events are recommended to evaluate the statistical significance of the these low level detections.
- Historically, organic and inorganic constituents have been detected at the facility. In a letter dated May 10, 1999, the Section approved (with comments) the *Work Plan for Groundwater Assessment*

(S&ME, 1999) to address the apparent impact to water quality from the facility. S&ME has assisted the County with assessing the nature and extent of the groundwater contamination at the landfill facility. Results of previous assessment activities have been submitted to the (Section). The County is currently performing assessment of corrective measures (ACM) prior to implementing engineering controls to mitigate the impacts from the release. After corrective actions have been implemented it would be appropriate to resume statistical analysis of the sampling data to evaluate the effectiveness of remedial activities at the site.

5.2 GROUNDWATER SAMPLING METHODS AND PROCEDURES

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

No Appendix I organic constituents were detected during the January 2007 sampling event in the sample collected from background monitor wells MW-3B, MW-4, and MW-9. A total of seven Appendix I inorganic compounds were detected during the January 2007 sampling event, however, cobalt in MW-3B was the only Appendix I inorganic compound detected in any of the background wells above the SWSL.

Cobalt has been previously detected in background monitor well MW-3B. A time series graph of cobalt detections at MW-3B is included in Appendix III. A review of this graph shows that cobalt concetrations have been detected at relatively the same concentrations since 2004.

Compliance Monitor Well MW-1A

The groundwater sample collected from compliance monitor well MW-1A had six analytes detected during the January 2007 sampling event. All analytes were detected below their respective SWSLs and 2L Standards. Three of these Appendix I constituents (cis-1,2-dichloroethene, vinyl chloride and trichloroethene) have historically been detected in MW-1A. A time series graph of the detections of these three constituents at MW-1A is included in Appendix III. Detected concentrations of all three of these constituents show a trend of decreasing concentrations over time at MW-1A.

Compliance Monitor Well MW-5

The groundwater sample collected from monitor well MW-5 had thirteen analytes detected during the January 2007 sampling event. Of these, five organic constituents (benzene, 1,4-dichlorobenzene, cis-1,2-dichloroethene, trichloroethene, and vinyl chloride) and one inorganic constituent (cobalt) were detected above their respective groundwater protection standard (2L or GWPST).

All of these Appendix I constituents have historically been detected in MW-5. A time series graph of the detected concentrations of these constituents at MW-5 is included in Appendix III. Detected

concentrations of trichloroethene show a trend of decreasing concentrations over time. Concentrations of cis-1,2-dichloroethene and cobalt show a trend of increasing concentrations over time. There is no discernable trend of the detected concentrations of benzene, 1,4-dichlorobenzene, and vinyl chloride.

Compliance Monitor Wells MW-6

The groundwater sample collected from monitor well MW-6 had one Appendix I VOC and three Appendix I inorganic compounds detected during the January 2007 sampling event, all below their respective SWSLs and 2L Standards. None of these constituents were detected in groundwater samples collected from MW-6 during the 2006 sampling event.

Compliance Monitor Well MW-7A

The groundwater sample collected from monitor well MW-7A had six Appendix I organic compound (benzene, chlorobenzene, chloroethane, 1,4-dichlorobenzene, 1,1-dichloroethane, and cis-1,2-dichloroethene) and one Appendix I inorganic compounds (barium) detected during the January 2007 sampling event. One of the seven analytes, benzene was the only one detected above its respective 2L Standard. None of these constituents were detected in groundwater samples collected from MW-7A during the 2006 sampling event. S&ME attributes the detection of benzene during this sampling event to the new SWSL (1 μg/L), which is lower than the previous PQL (5.0 μg/L) for benzene.

6.0 CONCLUSIONS AND RECOMMENDATIONS

S&ME performed semi-annual sampling at the Edgecombe County Landfill in Tarboro, North Carolina. During the January 2007 sampling event, groundwater samples were collected from three background (upgradient) and four compliance (downgradient) monitoring wells. Surface water quality upstream of the landfill was monitored in Jerry's Creek next to the upstream staff gauge location near the west property line. Downstream of the landfill, surface water quality samples were collected from Jerry's Creek, next to the downstream staff gauge location just west of Colonial Road.

In addition to the sampled wells (MW-1A, MW-3B, MW-4, MW-5, MW-6, MW-7A, and MW-9), the depth to static groundwater was also measured in monitoring wells MW-5S, MW-5D, MW-8A, and MW-10 and piezometers P-1, P-2A and P-3A. The water level data was used to calculate groundwater elevations at the site and evaluate groundwater flow direction, gradient, and velocities. The field activities, observations, and groundwater analytical results included in this sampling event are as follows:

6.1 SUMMARY OF JANUARY 2007 SAMPLING EVENT

- Based on the water table elevations and resulting potentiometric gradients, groundwater flow direction within the surficial aquifer was to the north-northeast with an average hydraulic gradient of 0.020 ft/ft. The average groundwater flow velocity for the site is approximately 13.56 ft/yr.

- There were no Appendix I organic or inorganic analytes reported above the 2B Standard in the upstream and downstream surface water samples.

- Constituent concentrations of sixteen analytes were detected in the samples collected. Of these sixteen, six analytes were detected at concentrations that exceeded groundwater quality standards. The Appendix I inorganic compound cobalt exceeded its respective standard in groundwater samples collected from upgradient (background) monitor well MW-3B and downgradient monitor well MW-5. The Appendix I VOC benzene was detected above its respective standard in downgradient monitor wells MW-5 and MW-7A. The Appendix I VOCs 1,4-dichlorobenzene, cis-1,2-dichloroethene, trichloroethene, and vinyl chloride were also detected above their respective standards in MW-5.

- No statistical analysis was performed for the January 2007 sampling event, however, time series graphs of historically detected constituents were reviewed. With the exception The six analytes detected above their respective groundwater quality standards during the January 2007 sampling event appear to follow statistical trends evaluated during the 2006 sampling event.

6.2 RECOMENDATIONS

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

In addition, hydrogeologic and chemical data necessary to model the fate and transport of VOCs and inorganic analytes in the area of MW-5 is in the process of being collected and analyzed so that concentrations of chemicals of concern downgradient of the landfill can be predicted and used to select possible corrective actions, if necessary. S&ME is also in the process of assessing the effect of the new SWSLs on statistical analysis procedures to determine if statistical analyses should be continued on all four compliance wells (MW-1A, MW-5, MW-6, and MW-7A).

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

7.0 REFERENCES

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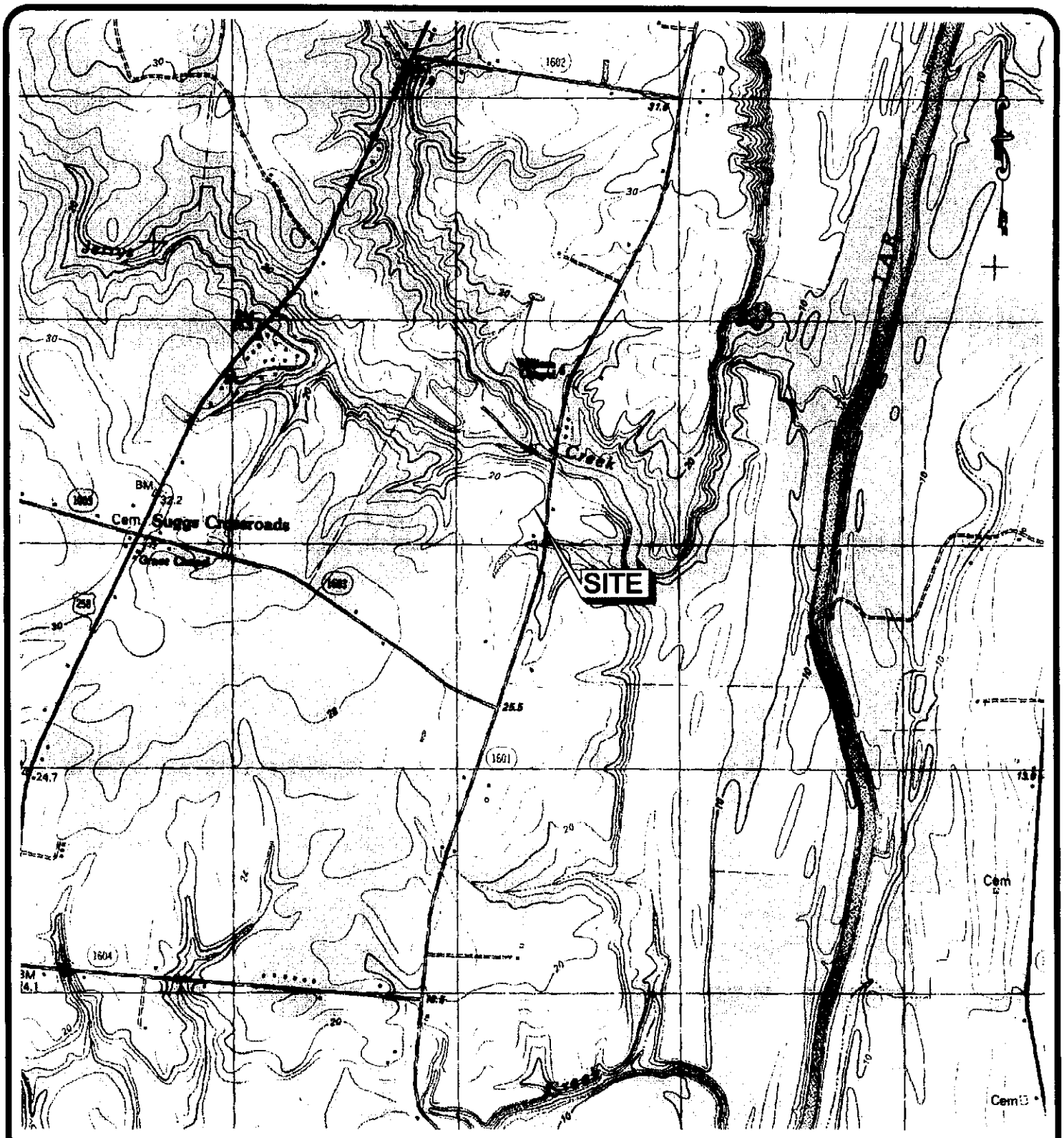
FIGURES



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GRAPHIC SCALE IN FEET

OLD SPARTA, NC USGS QUADRANGLE DATED 1981

SCALE: AS SHOWN	S&ME ENVIRONMENTAL SERVICES • ENGINEERING TESTING WWW.SMEINC.COM	VICINITY MAP	FIGURE NO.
DATE: JANUARY 2007		EDGECOMBE COUNTY LANDFILL TARBORO, NORTH CAROLINA	1
DRAWN BY: JCJ			
PROJECT NO: 1040-01-545E			

TABLES

Table 1
Groundwater Elevation Data, Field Parameters, and
Groundwater/Surface Water Quality Summary
Edgecombe County Landfill
January 24, 2007
S&ME Project No. 1040-01-545E

Facility Permit	Well ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifier	Dilution Factor	Collection Date	Extraction Date	Analysis Date
33-01	P-1		318	Depth To Water	3.98	ft			01/24/2007		
33-01	P-1		411	Total Well Depth	NM	ft			01/24/2007		
33-01	P-1		328	TOC Elevation	74.48	ft AMSL			01/24/2007		
33-01	P-1		319	Groundwater Elevation	70.50	ft AMSL			01/24/2007		
33-01	P-2A		318	Depth To Water	12.70	ft			01/24/2007		
33-01	P-2A		411	Total Well Depth	27.50	ft			01/24/2007		
33-01	P-2A		328	TOC Elevation	83.61	ft AMSL			01/24/2007		
33-01	P-2A		319	Groundwater Elevation	70.91	ft AMSL			01/24/2007		
33-01	P-3A		318	Depth To Water	12.35	ft			01/24/2007		
33-01	P-3A		411	Total Well Depth	27.50	ft			01/24/2007		
33-01	P-3A		328	TOC Elevation	79.77	ft AMSL			01/24/2007		
33-01	P-3A		319	Groundwater Elevation	67.42	ft AMSL			01/24/2007		
33-01	MW-1A		318	Depth To Water	3.90	ft			01/24/2007		
33-01	MW-1A		411	Total Well Depth	17.53	ft			01/24/2007		
33-01	MW-1A		328	TOC Elevation	46.04	ft AMSL			01/24/2007		
33-01	MW-1A		319	Groundwater Elevation	42.14	ft AMSL			01/24/2007		
33-01	MW-1A		320	pH	6.08	standard units			01/24/2007		
33-01	MW-1A		323	Specific Conductivity	0.269	mS/cm			01/24/2007		
33-01	MW-1A		325	Temperature	11.35	°C			01/24/2007		
33-01	MW-1A		330	Turbidity	78.80	NTUs			01/24/2007		
33-01	MW-1A	67-64-1	3	Acetone	0.90	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-1A	107-13-1	8	Acrylonitrile	2.0	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-1A	7440-36-0	13	Antimony	0.58	ug/L	U	1	01/24/2007	02/01/2007	02/02/2007
33-01	MW-1A	7440-38-2	14	Arsenic	2.8	ug/L	J	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-1A	7440-39-3	15	Barium	80.4	ug/L		1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-1A	71-43-2	16	Benzene	0.12	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-1A	7440-41-7	23	Beryllium	0.70	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-1A	74-97-5	28	Bromochloromethane	0.19	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-1A	75-27-4	29	Bromodichloromethane	0.19	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-1A	75-25-2	30	Bromoform	0.36	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-1A	7440-43-9	34	Cadmium	0.50	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-1A	75-15-0	35	Carbon disulfide	0.12	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-1A	56-23-5	36	Carbon tetrachloride	0.38	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-1A	108-90-7	39	Chlorobenzene	0.16	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-1A	75-00-3	41	Chloroethane	0.40	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-1A	67-66-3	44	Chloroform	0.16	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-1A	7440-47-3	51	Chromium	2.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-1A	7440-48-4	53	Cobalt	2.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-1A	7440-50-8	54	Copper	0.60	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-1A	124-48-1	66	Dibromochloromethane	0.18	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-1A	96-12-8	67	1,2-Dibromo-3-chloropropane	0.19	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-1A	106-93-4	68	1,2-Dibromoethane	0.19	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-1A	95-50-1	69	1,2-Dichlorobenzene	0.17	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-1A	106-46-7	71	1,4-Dichlorobenzene	0.15	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-1A	110-57-6	73	trans-1,4-Dichloro-2-butene	0.60	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-1A	75-34-3	75	1,1-Dichloroethane	0.55	ug/L	J	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-1A	107-06-2	76	1,2-Dichloroethane	0.36	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-1A	75-35-4	77	1,1-Dichloroethene	0.14	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-1A	156-59-2	78	cis-1,2-Dichloroethene	1.6	ug/L		1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-1A	156-60-5	79	trans-1,2-Dichloroethene	0.10	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-1A	78-87-5	82	1,2-Dichloropropane	0.18	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-1A	10061-01-5	86	cis-1,3-Dichloropropene	0.16	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-1A	10061-02-6	87	trans-1,3-Dichloropropene	0.18	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-1A	100-41-4	110	Ethylbenzene	0.17	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-1A	591-78-6	124	2-Hexanone	0.24	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-1A	7439-92-1	131	Lead	2.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-1A	74-83-9	136	Bromomethane	0.21	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-1A	74-87-3	137	Chloromethane	0.18	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-1A	74-95-3	139	Dibromomethane	0.14	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-1A	75-09-2	140	Methylene chloride	0.088	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-1A	78-93-3	141	2-Butanone	0.56	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-1A	74-88-4	142	Iodomethane	0.23	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-1A	108-10-1	147	4-Methyl-2-pentanone	0.36	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-1A	7440-02-0	152	Nickel	5.0	ug/L	J	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-1A	7782-49-2	183	Selenium	2.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-1A	7440-22-4	184	Silver	2.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-1A	100-42-5	186	Styrene	0.12	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-1A	630-20-6	190	1,1,1,2-Tetrachloroethane	0.16	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-1A	79-34-5	191	1,1,2,2-Tetrachloroethane	0.27	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-1A	127-18-4	192	Tetrachloroethene	0.25	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-1A	7440-28-0	194	Thallium	0.044	ug/L	U	1	01/24/2007	02/01/2007	02/02/2007
33-01	MW-1A	108-88-3	196	Toluene	0.15	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-1A	71-55-6	200	1,1,1-Trichloroethane	0.24	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-1A	79-01-6	201	Trichloroethene	0.23	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-1A	79-00-5	202	1,1,2-Trichloroethane	0.24	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-1A	75-69-4	203	Trichlorofluoromethane	0.16	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007

Table 1
Groundwater Elevation Data, Field Parameters, and
Groundwater/Surface Water Quality Summary
Edgecombe County Landfill
January 24, 2007
S&ME Project No. 1040-01-545E

Facility Permit	Well ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifier	Dilution Factor	Collection Date	Extraction Date	Analysis Date
33-01	MW-1A	96-18-4	206	1,2,3-Trichloropropane	0.32	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-1A	7440-62-2	209	Vanadium	1.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-1A	108-05-4	210	Vinyl acetate	0.19	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-1A	75-01-4	211	Vinyl chloride	0.15	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-1A	7440-66-6	213	Zinc	14.3	ug/L		1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-1A	SW359	359	m,p-Xylenes	0.21	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-1A	96-47-6	408	o-Xylene	0.14	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-3B		318	Depth To Water	6.12	ft			01/24/2007		
33-01	MW-3B		411	Total Well Depth	23.44	ft			01/24/2007		
33-01	MW-3B		328	TOC Elevation	81.18	ft AMSL			01/24/2007		
33-01	MW-3B		319	Groundwater Elevation	75.06	ft AMSL			01/24/2007		
33-01	MW-3B		320	pH	4.52	standard units			01/24/2007		
33-01	MW-3B		323	Specific Conductivity	0.338	mS/cm			01/24/2007		
33-01	MW-3B		325	Temperature	13.72	°C			01/24/2007		
33-01	MW-3B		330	Turbidity	2.30	NTUs			01/24/2007		
33-01	MW-3B	67-64-1	3	Acetone	0.90	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-3B	107-13-1	8	Acrylonitrile	2.0	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-3B	7440-36-0	13	Antimony	0.58	ug/L	U	1	01/24/2007	02/01/2007	02/02/2007
33-01	MW-3B	7440-38-2	14	Arsenic	2.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-3B	7440-39-3	15	Barium	110	ug/L		1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-3B	71-43-2	16	Benzene	0.12	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-3B	7440-41-7	23	Beryllium	0.70	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-3B	74-97-5	28	Bromochloromethane	0.19	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-3B	75-27-4	29	Bromodichloromethane	0.19	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-3B	75-25-2	30	Bromoform	0.36	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-3B	7440-43-9	34	Cadmium	0.50	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-3B	75-15-0	35	Carbon disulfide	0.12	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-3B	56-23-5	36	Carbon tetrachloride	0.38	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-3B	108-90-7	39	Chlorobenzene	0.16	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-3B	75-00-3	41	Chloroethane	0.40	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-3B	67-66-3	44	Chloroform	0.16	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-3B	7440-47-3	51	Chromium	2.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-3B	7440-48-4	53	Cobalt	6.1	ug/L	J	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-3B	7440-50-8	54	Copper	0.60	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-3B	124-48-1	66	Dibromochloromethane	0.18	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-3B	96-12-8	67	1,2-Dibromo-3-chloropropane	0.19	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-3B	106-93-4	68	1,2-Dibromoethane	0.19	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-3B	95-50-1	69	1,2-Dichlorobenzene	0.17	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-3B	106-46-7	71	1,4-Dichlorobenzene	0.15	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-3B	110-57-6	73	trans-1,4-Dichloro-2-butene	0.60	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-3B	75-34-3	75	1,1-Dichloroethane	0.090	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-3B	107-06-2	76	1,2-Dichloroethane	0.36	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-3B	75-35-4	77	1,1-Dichloroethene	0.14	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-3B	156-59-2	78	cis-1,2-Dichloroethene	0.14	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-3B	156-60-5	79	trans-1,2-Dichloroethene	0.10	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-3B	78-87-5	82	1,2-Dichloropropane	0.18	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-3B	10061-01-5	86	cis-1,3-Dichloropropene	0.16	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-3B	10061-02-6	87	trans-1,3-Dichloropropene	0.18	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-3B	100-41-4	110	Ethylbenzene	0.17	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-3B	591-78-6	124	2-Hexanone	0.24	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-3B	7439-92-1	131	Lead	2.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-3B	74-83-9	136	Bromomethane	0.21	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-3B	74-87-3	137	Chloromethane	0.18	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-3B	74-95-3	139	Dibromomethane	0.14	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-3B	75-09-2	140	Methylene chloride	0.088	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-3B	78-93-3	141	2-Butanone	0.56	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-3B	74-88-4	142	Iodomethane	0.23	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-3B	108-10-1	147	4-Methyl-2-pentanone	0.36	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-3B	7440-02-0	152	Nickel	7.0	ug/L	J	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-3B	7782-49-2	183	Selenium	2.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-3B	7440-22-4	184	Silver	2.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-3B	100-42-5	186	Styrene	0.12	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-3B	630-20-6	190	1,1,1,2-Tetrachloroethane	0.16	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-3B	79-34-5	191	1,1,2,2-Tetrachloroethane	0.27	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-3B	127-18-4	192	Tetrachloroethene	0.25	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-3B	7440-28-0	194	Thallium	0.139	ug/L		1	01/24/2007	02/01/2007	02/02/2007
33-01	MW-3B	108-88-3	196	Toluene	0.15	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-3B	71-55-6	200	1,1,1-Trichloroethane	0.24	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-3B	79-01-6	201	Trichloroethene	0.23	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-3B	79-00-5	202	1,1,2-Trichloroethane	0.24	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-3B	75-69-4	203	Trichlorofluoromethane	0.16	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-3B	96-18-4	206	1,2,3-Trichloropropane	0.32	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-3B	7440-62-2	209	Vanadium	5.9	ug/L	J	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-3B	108-05-4	210	Vinyl acetate	0.19	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-3B	75-01-4	211	Vinyl chloride	0.15	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007

Table 1
Groundwater Elevation Data, Field Parameters, and
Groundwater/Surface Water Quality Summary
Edgecombe County Landfill
January 24, 2007
S&ME Project No. 1040-01-545E

Facility Permit	Well ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifier	Dilution Factor	Collection Date	Extraction Date	Analysis Date
33-01	MW-3B	7440-66-6	213	Zinc	4.4	ug/L	J	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-3B	SW359	359	m,p-Xylenes	0.21	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-3B	96-47-6	408	o-Xylene	0.14	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-4		318	Depth To Water	4.65	ft			01/24/2007		
33-01	MW-4		411	Total Well Depth	19.86	ft			01/24/2007		
33-01	MW-4		328	TOC Elevation	68.95	ft AMSL			01/24/2007		
33-01	MW-4		319	Groundwater Elevation	64.30	ft AMSL			01/24/2007		
33-01	MW-4		320	pH	6.08	standard units			01/24/2007		
33-01	MW-4		323	Specific Conductivity	0.188	mS/cm			01/24/2007		
33-01	MW-4		325	Temperature	14.50	°C			01/24/2007		
33-01	MW-4		330	Turbidity	9.50	NTUs			01/24/2007		
33-01	MW-4	67-64-1	3	Acetone	0.90	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-4	107-13-1	8	Acrylonitrile	2.0	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-4	7440-36-0	13	Antimony	0.58	ug/L	U	1	01/24/2007	02/01/2007	02/02/2007
33-01	MW-4	7440-38-2	14	Arsenic	2.5	ug/L	J	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-4	7440-39-3	15	Barium	52.8	ug/L		1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-4	71-43-2	16	Benzene	0.12	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-4	7440-41-7	23	Beryllium	0.70	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-4	74-97-5	28	Bromochloromethane	0.19	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-4	75-27-4	29	Bromodichloromethane	0.19	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-4	75-25-2	30	Bromoform	0.36	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-4	7440-43-9	34	Cadmium	0.50	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-4	75-15-0	35	Carbon disulfide	0.12	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-4	56-23-5	36	Carbon tetrachloride	0.38	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-4	108-90-7	39	Chlorobenzene	0.16	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-4	75-00-3	41	Chloroethane	0.40	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-4	67-66-3	44	Chloroform	0.16	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-4	7440-47-3	51	Chromium	2.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-4	7440-48-4	53	Cobalt	2.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-4	7440-50-8	54	Copper	0.60	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-4	124-48-1	66	Dibromochloromethane	0.18	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-4	96-12-8	67	1,2-Dibromo-3-chloropropane	0.19	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-4	106-93-4	68	1,2-Dibromoethane	0.19	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-4	95-50-1	69	1,2-Dichlorobenzene	0.17	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-4	106-46-7	71	1,4-Dichlorobenzene	0.15	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-4	110-57-6	73	trans-1,4-Dichloro-2-butene	0.60	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-4	75-34-3	75	1,1-Dichloroethane	0.090	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-4	107-06-2	76	1,2-Dichloroethane	0.36	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-4	75-35-4	77	1,1-Dichloroethene	0.14	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-4	156-59-2	78	cis-1,2-Dichloroethene	0.14	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-4	156-60-5	79	trans-1,2-Dichloroethene	0.10	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-4	78-87-5	82	1,2-Dichloropropane	0.18	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-4	10061-01-5	86	cis-1,3-Dichloropropene	0.16	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-4	10061-02-6	87	trans-1,3-Dichloropropene	0.18	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-4	100-41-4	110	Ethylbenzene	0.17	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-4	591-78-6	124	2-Hexanone	0.24	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-4	7439-92-1	131	Lead	2.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-4	74-83-9	136	Bromomethane	0.21	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-4	74-87-3	137	Chloromethane	0.18	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-4	74-95-3	139	Dibromomethane	0.14	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-4	75-09-2	140	Methylene chloride	0.088	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-4	78-93-3	141	2-Butanone	0.56	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-4	74-88-4	142	Iodomethane	0.23	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-4	108-10-1	147	4-Methyl-2-pentanone	0.36	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-4	7440-02-0	152	Nickel	2.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-4	7782-49-2	183	Selenium	2.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-4	7440-22-4	184	Silver	2.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-4	100-42-5	186	Styrene	0.12	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-4	630-20-6	190	1,1,1,2-Tetrachloroethane	0.16	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-4	79-34-5	191	1,1,2,2-Tetrachloroethane	0.27	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-4	127-18-4	192	Tetrachloroethene	0.25	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-4	7440-28-0	194	Thallium	0.044	ug/L	U	1	01/24/2007	02/01/2007	02/02/2007
33-01	MW-4	108-88-3	196	Toluene	0.15	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-4	71-55-6	200	1,1,1-Trichloroethane	0.24	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-4	79-01-6	201	Trichloroethene	0.23	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-4	79-00-5	202	1,1,2-Trichloroethane	0.24	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-4	75-69-4	203	Trichlorofluoromethane	0.16	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-4	96-18-4	206	1,2,3-Trichloropropane	0.32	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-4	7440-62-2	209	Vanadium	1.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-4	108-05-4	210	Vinyl acetate	0.19	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-4	75-01-4	211	Vinyl chloride	0.15	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-4	7440-66-6	213	Zinc	4.2	ug/L	J	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-4	SW359	359	m,p-Xylenes	0.21	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-4	96-47-6	408	o-Xylene	0.14	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-5		318	Depth To Water	11.10	ft			01/24/2007		
33-01	MW-5		411	Total Well Depth	24.81	ft			01/24/2007		
33-01	MW-5		328	TOC Elevation	53.75	ft AMSL			01/24/2007		
33-01	MW-5		319	Groundwater Elevation	42.65	ft AMSL			01/24/2007		
33-01	MW-5		320	pH	6.46	standard units			01/24/2007		

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Edgecombe County Landfill
January 24, 2007
S&ME Project No. 1040-01-545E

Facility Permit	Well ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifier	Dilution Factor	Collection Date	Extraction Date	Analysis Date
33-01	MW-5		323	Specific Conductivity	1.006	mS/cm			01/24/2007		
33-01	MW-5		325	Temperature	15.42	°C			01/24/2007		
33-01	MW-5		330	Turbidity	1.70	NTUs			01/24/2007		
33-01	MW-5	67-64-1	3	Acetone	9.0	ug/L	U, D	10	01/24/2007	02/02/2007	02/03/2007
33-01	MW-5	107-13-1	8	Acrylonitrile	20	ug/L	U, D	10	01/24/2007	02/02/2007	02/03/2007
33-01	MW-5	7440-36-0	13	Antimony	0.58	ug/L	U	1	01/24/2007	02/01/2007	02/02/2007
33-01	MW-5	7440-38-2	14	Arsenic	8.1	ug/L	J	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-5	7440-39-3	15	Barium	235	ug/L		1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-5	71-43-2	16	Benzene	7.1	ug/L	J, D	10	01/24/2007	02/02/2007	02/03/2007
33-01	MW-5	7440-41-7	23	Beryllium	0.70	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-5	74-97-5	28	Bromochloromethane	1.9	ug/L	U, D	10	01/24/2007	02/02/2007	02/03/2007
33-01	MW-5	75-27-4	29	Bromodichloromethane	1.9	ug/L	U, D	10	01/24/2007	02/02/2007	02/03/2007
33-01	MW-5	75-25-2	30	Bromoform	3.6	ug/L	U, D	10	01/24/2007	02/02/2007	02/03/2007
33-01	MW-5	7440-43-9	34	Cadmium	0.50	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-5	75-15-0	35	Carbon disulfide	1.2	ug/L	U, D	10	01/24/2007	02/02/2007	02/03/2007
33-01	MW-5	56-23-5	36	Carbon tetrachloride	3.8	ug/L	U, D	10	01/24/2007	02/02/2007	02/03/2007
33-01	MW-5	108-90-7	39	Chlorobenzene	17	ug/L	D	10	01/24/2007	02/02/2007	02/03/2007
33-01	MW-5	75-00-3	41	Chloroethane	4.0	ug/L	U, D	10	01/24/2007	02/02/2007	02/03/2007
33-01	MW-5	67-66-3	44	Chloroform	1.6	ug/L	U, D	10	01/24/2007	02/02/2007	02/03/2007
33-01	MW-5	7440-47-3	51	Chromium	2.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-5	7440-48-4	53	Cobalt	74.9	ug/L		1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-5	7440-50-8	54	Copper	0.60	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-5	124-48-1	66	Dibromochloromethane	1.8	ug/L	U, D	10	01/24/2007	02/02/2007	02/03/2007
33-01	MW-5	96-12-8	67	1,2-Dibromo-3-chloropropane	1.9	ug/L	U, D	10	01/24/2007	02/02/2007	02/03/2007
33-01	MW-5	106-93-4	68	1,2-Dibromoethane	1.9	ug/L	U, D	10	01/24/2007	02/02/2007	02/03/2007
33-01	MW-5	95-50-1	69	1,2-Dichlorobenzene	1.7	ug/L	U, D	10	01/24/2007	02/02/2007	02/03/2007
33-01	MW-5	106-46-7	71	1,4-Dichlorobenzene	8.8	ug/L	J, D	10	01/24/2007	02/02/2007	02/03/2007
33-01	MW-5	110-57-6	73	trans-1,4-Dichloro-2-butene	6.0	ug/L	U, D	10	01/24/2007	02/02/2007	02/03/2007
33-01	MW-5	75-34-3	75	1,1-Dichloroethane	23	ug/L	D	10	01/24/2007	02/02/2007	02/03/2007
33-01	MW-5	107-06-2	76	1,2-Dichloroethane	3.6	ug/L	U, D	10	01/24/2007	02/02/2007	02/03/2007
33-01	MW-5	75-35-4	77	1,1-Dichloroethene	1.4	ug/L	U, D	10	01/24/2007	02/02/2007	02/03/2007
33-01	MW-5	156-59-2	78	cis-1,2-Dichloroethene	840	ug/L	D	10	01/24/2007	02/02/2007	02/03/2007
33-01	MW-5	156-60-5	79	trans-1,2-Dichloroethene	6.0	ug/L	J, D	10	01/24/2007	02/02/2007	02/03/2007
33-01	MW-5	78-87-5	82	1,2-Dichloropropane	1.8	ug/L	U, D	10	01/24/2007	02/02/2007	02/03/2007
33-01	MW-5	10061-01-5	86	cis-1,3-Dichloropropene	1.6	ug/L	U, D	10	01/24/2007	02/02/2007	02/03/2007
33-01	MW-5	10061-02-6	87	trans-1,3-Dichloropropene	1.8	ug/L	U, D	10	01/24/2007	02/02/2007	02/03/2007
33-01	MW-5	100-41-4	110	Ethylbenzene	1.7	ug/L	U, D	10	01/24/2007	02/02/2007	02/03/2007
33-01	MW-5	591-78-6	124	2-Hexanone	2.4	ug/L	U, D	10	01/24/2007	02/02/2007	02/03/2007
33-01	MW-5	7439-92-1	131	Lead	2.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-5	74-83-9	136	Bromomethane	2.1	ug/L	U, D	10	01/24/2007	02/02/2007	02/03/2007
33-01	MW-5	74-87-3	137	Chloromethane	1.8	ug/L	U, D	10	01/24/2007	02/02/2007	02/03/2007
33-01	MW-5	74-95-3	139	Dibromomethane	1.4	ug/L	U, D	10	01/24/2007	02/02/2007	02/03/2007
33-01	MW-5	75-09-2	140	Methylene chloride	0.88	ug/L	U, D	10	01/24/2007	02/02/2007	02/03/2007
33-01	MW-5	78-93-3	141	2-Butanone	5.6	ug/L	U, D	10	01/24/2007	02/02/2007	02/03/2007
33-01	MW-5	74-88-4	142	Iodomethane	2.3	ug/L	U, D	10	01/24/2007	02/02/2007	02/03/2007
33-01	MW-5	108-10-1	147	4-Methyl-2-pentanone	3.6	ug/L	U, D	10	01/24/2007	02/02/2007	02/03/2007
33-01	MW-5	7440-02-0	152	Nickel	22.7	ug/L		1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-5	7782-49-2	183	Selenium	2.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-5	7440-22-4	184	Silver	2.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-5	100-42-5	186	Styrene	1.2	ug/L	U, D	10	01/24/2007	02/02/2007	02/03/2007
33-01	MW-5	630-20-6	190	1,1,1,2-Tetrachloroethane	1.6	ug/L	U, D	10	01/24/2007	02/02/2007	02/03/2007
33-01	MW-5	79-34-5	191	1,1,2,2-Tetrachloroethane	2.7	ug/L	U, D	10	01/24/2007	02/02/2007	02/03/2007
33-01	MW-5	127-18-4	192	Tetrachloroethene	2.5	ug/L	U, D	10	01/24/2007	02/02/2007	02/03/2007
33-01	MW-5	7440-28-0	194	Thallium	0.060	ug/L		1	01/24/2007	02/01/2007	02/02/2007
33-01	MW-5	108-88-3	196	Toluene	1.5	ug/L	U, D	10	01/24/2007	02/02/2007	02/03/2007
33-01	MW-5	71-55-6	200	1,1,1-Trichloroethane	2.4	ug/L	U, D	10	01/24/2007	02/02/2007	02/03/2007
33-01	MW-5	79-01-6	201	Trichloroethene	2.3	ug/L	U, D	10	01/24/2007	02/02/2007	02/03/2007
33-01	MW-5	79-00-5	202	1,1,2-Trichloroethane	2.4	ug/L	U, D	10	01/24/2007	02/02/2007	02/03/2007
33-01	MW-5	75-69-4	203	Trichlorofluoromethane	1.6	ug/L	U, D	10	01/24/2007	02/02/2007	02/03/2007
33-01	MW-5	96-18-4	206	1,2,3-Trichloropropane	3.2	ug/L	U, D	10	01/24/2007	02/02/2007	02/03/2007
33-01	MW-5	7440-62-2	209	Vanadium	1.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-5	108-05-4	210	Vinyl acetate	1.9	ug/L	U, D	10	01/24/2007	02/02/2007	02/03/2007
33-01	MW-5	75-01-4	211	Vinyl chloride	49	ug/L	D	10	01/24/2007	02/02/2007	02/03/2007
33-01	MW-5	7440-66-6	213	Zinc	17.1	ug/L		1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-5	SW359	359	m,p-Xylenes	2.1	ug/L	U, D	10	01/24/2007	02/02/2007	02/03/2007
33-01	MW-5	96-47-6	408	o-Xylene	1.4	ug/L	U, D	10	01/24/2007	02/02/2007	02/03/2007
33-01	MW-5D		318	Depth To Water	5.74	ft			01/24/2007		
33-01	MW-5D		411	Total Well Depth	43.00	ft			01/24/2007		
33-01	MW-5D		328	TOC Elevation	52.08	ft AMSL			01/24/2007		
33-01	MW-5D		319	Groundwater Elevation	46.34	ft AMSL			01/24/2007		
33-01	MW-5S		318	Depth To Water	8.37	ft			01/24/2007		
33-01	MW-5S		411	Total Well Depth	NM	ft			01/24/2007		
33-01	MW-5S		328	TOC Elevation	50.54	ft AMSL			01/24/2007		
33-01	MW-5S		319	Groundwater Elevation	42.17	ft AMSL			01/24/2007		
33-01	MW-6		318	Depth To Water	2.87	ft.			01/24/2007		
33-01	MW-6		411	Total Well Depth	18.75	ft.			01/24/2007		
33-01	MW-6		328	TOC Elevation	46.29	ft AMSL			01/24/2007		
33-01	MW-6		319	Groundwater Elevation	43.42	ft AMSL			01/24/2007		
33-01	MW-6		320	pH	6.10	standard units			01/24/2007		

Table I
Groundwater Elevation Data, Field Parameters, and
Groundwater/Surface Water Quality Summary
Edgecombe County Landfill
January 24, 2007
S&ME Project No. 1040-01-545E

Facility Permit	Well ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifier	Dilution Factor	Collection Date	Extraction Date	Analysis Date
33-01	MW-6		323	Specific Conductivity	0.204	mS/cm			01/24/2007		
33-01	MW-6		325	Temperature	12.10	°C			01/24/2007		
33-01	MW-6		330	Turbidity	19.90	NTUs			01/24/2007		
33-01	MW-6	67-64-1	3	Acetone	0.90	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-6	107-13-1	8	Acrylonitrile	2.0	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-6	7440-36-0	13	Antimony	0.58	ug/L	U	1	01/24/2007	02/01/2007	02/02/2007
33-01	MW-6	7440-38-2	14	Arsenic	2.6	ug/L	J	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-6	7440-39-3	15	Barium	87.6	ug/L		1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-6	71-43-2	16	Benzene	0.12	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-6	7440-41-7	23	Beryllium	0.70	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-6	74-97-5	28	Bromochloromethane	0.19	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-6	75-27-4	29	Bromodichloromethane	0.19	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-6	75-25-2	30	Bromoform	0.36	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-6	7440-43-9	34	Cadmium	0.50	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-6	75-15-0	35	Carbon disulfide	0.12	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-6	56-23-5	36	Carbon tetrachloride	0.38	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-6	108-90-7	39	Chlorobenzene	0.16	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-6	75-00-3	41	Chloroethane	0.40	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-6	67-66-3	44	Chloroform	0.16	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-6	7440-47-3	51	Chromium	2.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-6	7440-48-4	53	Cobalt	2.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-6	7440-50-8	54	Copper	0.60	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-6	124-48-1	66	Dibromochloromethane	0.18	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-6	96-12-8	67	1,2-Dibromo-3-chloropropane	0.19	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-6	106-93-4	68	1,2-Dibromoethane	0.19	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-6	95-50-1	69	1,2-Dichlorobenzene	0.17	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-6	106-46-7	71	1,4-Dichlorobenzene	0.15	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-6	110-57-6	73	trans-1,4-Dichloro-2-butene	0.60	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-6	75-34-3	75	1,1-Dichloroethane	0.85	ug/L	J	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-6	107-06-2	76	1,2-Dichloroethane	0.36	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-6	75-35-4	77	1,1-Dichloroethene	0.14	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-6	156-59-2	78	cis-1,2-Dichloroethene	0.14	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-6	156-60-5	79	trans-1,2-Dichloroethene	0.10	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-6	78-87-5	82	1,2-Dichloropropane	0.18	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-6	10061-01-5	86	cis-1,3-Dichloropropene	0.16	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-6	10061-02-6	87	trans-1,3-Dichloropropene	0.18	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-6	100-41-4	110	Ethylbenzene	0.17	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-6	591-78-6	124	2-Hexanone	0.24	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-6	7439-92-1	131	Lead	2.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-6	74-83-9	136	Bromomethane	0.21	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-6	74-87-3	137	Chloromethane	0.18	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-6	74-95-3	139	Dibromomethane	0.14	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-6	75-09-2	140	Methylene chloride	0.088	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-6	78-93-3	141	2-Butanone	0.56	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-6	74-88-4	142	Iodomethane	0.23	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-6	108-10-1	147	4-Methyl-2-pentanone	0.36	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-6	7440-02-0	152	Nickel	2.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-6	7782-49-2	183	Selenium	2.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-6	7440-22-4	184	Silver	2.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-6	100-42-5	186	Styrene	0.12	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-6	630-20-6	190	1,1,1,2-Tetrachloroethane	0.16	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-6	79-34-5	191	1,1,2,2-Tetrachloroethane	0.27	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-6	127-18-4	192	Tetrachloroethene	0.25	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-6	7440-28-0	194	Thallium	0.044	ug/L	U	1	01/24/2007	02/01/2007	02/02/2007
33-01	MW-6	108-88-3	196	Toluene	0.15	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-6	71-55-6	200	1,1,1-Trichloroethane	0.24	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-6	79-01-6	201	Trichloroethene	0.23	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-6	79-00-5	202	1,1,2-Trichloroethane	0.24	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-6	75-69-4	203	Trichlorofluoromethane	0.16	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-6	96-18-4	206	1,2,3-Trichloropropane	0.32	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-6	7440-62-2	209	Vanadium	1.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-6	108-05-4	210	Vinyl acetate	0.19	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-6	75-01-4	211	Vinyl chloride	0.15	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-6	7440-66-6	213	Zinc	1.1	ug/L	J	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-6	SW359	359	m,p-Xylenes	0.21	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-6	96-47-6	408	o-Xylene	0.14	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-7A		318	Depth To Water	13.70	ft			01/24/2007		
33-01	MW-7A		411	Total Well Depth	27.50	ft			01/24/2007		
33-01	MW-7A		328	TOC Elevation	68.43	ft AMSL			01/24/2007		
33-01	MW-7A		319	Groundwater Elevation	54.73	ft AMSL			01/24/2007		
33-01	MW-7A		320	pH	6.28	standard units			01/24/2007		
33-01	MW-7A		323	Specific Conductivity	0.776	mS/cm			01/24/2007		
33-01	MW-7A		325	Temperature	16.88	°C			01/24/2007		
33-01	MW-7A		330	Turbidity	2.20	NTUs			01/24/2007		
33-01	MW-7A	67-64-1	3	Acetone	0.90	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007

Table 1
Groundwater Elevation Data, Field Parameters, and
Groundwater/Surface Water Quality Summary
Edgecombe County Landfill
January 24, 2007
S&ME Project No. 1040-01-545E

Facility Permit	Well ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifier	Dilution Factor	Collection Date	Extraction Date	Analysis Date
33-01	MW-7A	107-13-1	8	Acrylonitrile	2.0	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-7A	7440-36-0	13	Antimony	0.58	ug/L	U	1	01/24/2007	02/01/2007	02/02/2007
33-01	MW-7A	7440-38-2	14	Arsenic	2.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-7A	7440-39-3	15	Barium	112	ug/L		1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-7A	71-43-2	16	Benzene	1.7	ug/L		1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-7A	7440-41-7	23	Beryllium	0.70	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-7A	74-97-5	28	Bromochloromethane	0.19	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-7A	75-27-4	29	Bromodichloromethane	0.19	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-7A	75-25-2	30	Bromoform	0.36	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-7A	7440-43-9	34	Cadmium	0.50	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-7A	75-15-0	35	Carbon disulfide	0.12	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-7A	56-23-5	36	Carbon tetrachloride	0.38	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-7A	108-90-7	39	Chlorobenzene	2.3	ug/L		1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-7A	75-00-3	41	Chloroethane	4.6	ug/L		1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-7A	67-66-3	44	Chloroform	0.16	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-7A	7440-47-3	51	Chromium	2.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-7A	7440-48-4	53	Cobalt	2.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-7A	7440-50-8	54	Copper	0.60	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-7A	124-48-1	66	Dibromochloromethane	0.18	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-7A	96-12-8	67	1,2-Dibromo-3-chloropropane	0.19	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-7A	106-93-4	68	1,2-Dibromoethane	0.19	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-7A	95-50-1	69	1,2-Dichlorobenzene	0.17	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-7A	106-46-7	71	1,4-Dichlorobenzene	0.69	ug/L	J	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-7A	110-57-6	73	trans-1,4-Dichloro-2-butene	0.60	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-7A	75-34-3	75	1,1-Dichloroethane	0.41	ug/L	J	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-7A	107-06-2	76	1,2-Dichloroethane	0.36	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-7A	75-35-4	77	1,1-Dichloroethene	0.14	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-7A	156-59-2	78	cis-1,2-Dichloroethene	0.35	ug/L	J	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-7A	156-60-5	79	trans-1,2-Dichloroethene	0.10	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-7A	78-87-5	82	1,2-Dichloropropane	0.18	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-7A	10061-01-5	86	cis-1,3-Dichloropropene	0.16	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-7A	10061-02-6	87	trans-1,3-Dichloropropene	0.18	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-7A	100-41-4	110	Ethylbenzene	0.17	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-7A	591-78-6	124	2-Hexanone	0.24	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-7A	7439-92-1	131	Lead	2.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-7A	74-83-9	136	Bromomethane	0.21	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-7A	74-87-3	137	Chloromethane	0.18	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-7A	74-95-3	139	Dibromomethane	0.14	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-7A	75-09-2	140	Methylene chloride	0.088	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-7A	78-93-3	141	2-Butanone	0.56	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-7A	74-88-4	142	Iodomethane	0.23	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-7A	108-10-1	147	4-Methyl-2-pentanone	0.36	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-7A	7440-02-0	152	Nickel	2.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-7A	7782-49-2	183	Selenium	2.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-7A	7440-22-4	184	Silver	2.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-7A	100-42-5	186	Styrene	0.12	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-7A	630-20-6	190	1,1,1,2-Tetrachloroethane	0.16	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-7A	79-34-5	191	1,1,2,2-Tetrachloroethane	0.27	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-7A	127-18-4	192	Tetrachloroethene	0.25	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-7A	7440-28-0	194	Thallium	0.044	ug/L	U	1	01/24/2007	02/01/2007	02/02/2007
33-01	MW-7A	108-88-3	196	Toluene	0.15	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-7A	71-55-6	200	1,1,1-Trichloroethane	0.24	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-7A	79-01-6	201	Trichloroethene	0.23	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-7A	79-00-5	202	1,1,2-Trichloroethane	0.24	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-7A	75-69-4	203	Trichlorofluoromethane	0.16	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-7A	96-18-4	206	1,2,3-Trichloropropane	0.32	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-7A	7440-62-2	209	Vanadium	1.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-7A	108-05-4	210	Vinyl acetate	0.19	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-7A	75-01-4	211	Vinyl chloride	0.15	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-7A	7440-66-6	213	Zinc	1.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-7A	SW359	359	m,p-Xylenes	0.21	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-7A	96-47-6	408	o-Xylene	0.14	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-8A		318	Depth To Water	9.69	ft			01/24/2007		
33-01	MW-8A		411	Total Well Depth	23.00	ft			01/24/2007		
33-01	MW-8A		328	TOC Elevation	82.34	ft AMSL			01/24/2007		
33-01	MW-8A		319	Groundwater Elevation	72.65	ft AMSL			01/24/2007		
33-01	MW-9		318	Depth To Water	2.80	ft			01/24/2007		
33-01	MW-9		411	Total Well Depth	15.00	ft			01/24/2007		
33-01	MW-9		328	TOC Elevation	72.41	ft AMSL			01/24/2007		
33-01	MW-9		319	Groundwater Elevation	69.61	ft AMSL			01/24/2007		
33-01	MW-9		320	pH	7.12	standard units			01/24/2007		
33-01	MW-9		323	Specific Conductivity	0.203	mS/cm			01/24/2007		
33-01	MW-9		325	Temperature	15.42	°C			01/24/2007		
33-01	MW-9		330	Turbidity	142.10	NTUs			01/24/2007		
33-01	MW-9	67-64-1	3	Acetone	0.90	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-9	107-13-1	8	Acrylonitrile	2.0	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-9	7440-36-0	13	Antimony	0.58	ug/L	U	1	01/24/2007	02/01/2007	02/02/2007
33-01	MW-9	7440-38-2	14	Arsenic	2.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-9	7440-39-3	15	Barium	322	ug/L		1	01/24/2007	02/05/2007	02/08/2007

Table 1
Groundwater Elevation Data, Field Parameters, and
Groundwater/Surface Water Quality Summary
Edgecombe County Landfill
January 24, 2007
S&ME Project No. 1040-01-545E

Facility Permit	Well ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifier	Dilution Factor	Collection Date	Extraction Date	Analysis Date
33-01	MW-9	71-43-2	16	Benzene	0.12	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-9	7440-41-7	23	Beryllium	0.70	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-9	74-97-5	28	Bromochloromethane	0.19	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-9	75-27-4	29	Bromodichloromethane	0.19	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-9	75-25-2	30	Bromoform	0.36	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-9	7440-43-9	34	Cadmium	0.50	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-9	75-15-0	35	Carbon disulfide	0.12	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-9	56-23-5	36	Carbon tetrachloride	0.38	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-9	108-90-7	39	Chlorobenzene	0.16	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-9	75-00-3	41	Chloroethane	0.40	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-9	67-66-3	44	Chloroform	0.16	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-9	7440-47-3	51	Chromium	2.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-9	7440-48-4	53	Cobalt	2.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-9	7440-50-8	54	Copper	0.60	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-9	124-48-1	66	Dibromochloromethane	0.18	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-9	96-12-8	67	1,2-Dibromo-3-chloropropane	0.19	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-9	106-93-4	68	1,2-Dibromoethane	0.19	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-9	95-50-1	69	1,2-Dichlorobenzene	0.17	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-9	106-46-7	71	1,4-Dichlorobenzene	0.15	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-9	110-57-6	73	trans-1,4-Dichloro-2-butene	0.60	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-9	75-34-3	75	1,1-Dichloroethane	0.090	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-9	107-06-2	76	1,2-Dichloroethane	0.36	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-9	75-35-4	77	1,1-Dichloroethene	0.14	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-9	156-59-2	78	cis-1,2-Dichloroethene	0.14	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-9	156-60-5	79	trans-1,2-Dichloroethene	0.10	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-9	78-87-5	82	1,2-Dichloropropane	0.18	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-9	10061-01-5	86	cis-1,3-Dichloropropene	0.16	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-9	10061-02-6	87	trans-1,3-Dichloropropene	0.18	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-9	100-41-4	110	Ethylbenzene	0.17	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-9	591-78-6	124	2-Hexanone	0.24	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-9	7439-92-1	131	Lead	2.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-9	74-83-9	136	Bromomethane	0.21	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-9	74-87-3	137	Chloromethane	0.18	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-9	74-95-3	139	Dibromomethane	0.14	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-9	75-09-2	140	Methylene chloride	0.088	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-9	78-93-3	141	2-Butanone	0.56	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-9	74-88-4	142	Iodomethane	0.23	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-9	108-10-1	147	4-Methyl-2-pentanone	0.36	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-9	7440-02-0	152	Nickel	2.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-9	7782-49-2	183	Selenium	2.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-9	7440-22-4	184	Silver	2.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-9	100-42-5	186	Styrene	0.12	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-9	630-20-6	190	1,1,1,2-Tetrachloroethane	0.16	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-9	79-34-5	191	1,1,2,2-Tetrachloroethane	0.27	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-9	127-18-4	192	Tetrachloroethene	0.25	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-9	7440-28-0	194	Thallium	0.044	ug/L	U	1	01/24/2007	02/01/2007	02/02/2007
33-01	MW-9	108-88-3	196	Toluene	0.15	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-9	71-55-6	200	1,1,1-Trichloroethane	0.24	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-9	79-01-6	201	Trichloroethene	0.23	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-9	79-00-5	202	1,1,2-Trichloroethane	0.24	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-9	75-69-4	203	Trichlorofluoromethane	0.16	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-9	96-18-4	206	1,2,3-Trichloropropane	0.32	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-9	7440-62-2	209	Vanadium	1.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-9	108-05-4	210	Vinyl acetate	0.19	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-9	75-01-4	211	Vinyl chloride	0.15	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-9	7440-66-6	213	Zinc	1.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	MW-9	SW359	359	m,p-Xylenes	0.21	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-9	96-47-6	408	o-Xylene	0.14	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	MW-10		318	Depth To Water	2.88	ft			01/24/2007		
33-01	MW-10		411	Total Well Depth	12.00	ft			01/24/2007		
33-01	MW-10		328	TOC Elevation	75.78	ft AMSL			01/24/2007		
33-01	MW-10		319	Groundwater Elevation	72.90	ft AMSL			01/24/2007		
33-01	Upstream		320	pH	7.05	standard units			01/24/2007		
33-01	Upstream		323	Specific Conductivity	0.078	mS/cm			01/24/2007		
33-01	Upstream		325	Temperature	6.32	°C			01/24/2007		
33-01	Upstream		330	Turbidity	4.00	NTUs			01/24/2007		
33-01	Upstream	67-64-1	3	Acetone	0.90	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Upstream	107-13-1	8	Acrylonitrile	2.0	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Upstream	7440-36-0	13	Antimony	0.58	ug/L	U	1	01/24/2007	02/01/2007	02/02/2007
33-01	Upstream	7440-38-2	14	Arsenic	2.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	Upstream	7440-39-3	15	Barium	55.8	ug/L		1	01/24/2007	02/05/2007	02/08/2007
33-01	Upstream	71-43-2	16	Benzene	0.12	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Upstream	7440-41-7	23	Beryllium	0.70	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	Upstream	74-97-5	28	Bromochloromethane	0.19	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Upstream	75-27-4	29	Bromodichloromethane	0.19	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007

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Edgecombe County Landfill
January 24, 2007
S&ME Project No. 1040-01-545E

Facility Permit	Well ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifier	Dilution Factor	Collection Date	Extraction Date	Analysis Date
33-01	Upstream	75-25-2	30	Bromoform	0.36	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Upstream	7440-43-9	34	Cadmium	0.50	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	Upstream	75-15-0	35	Carbon disulfide	0.12	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Upstream	56-23-5	36	Carbon tetrachloride	0.38	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Upstream	108-90-7	39	Chlorobenzene	0.16	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Upstream	75-00-3	41	Chloroethane	0.40	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Upstream	67-66-3	44	Chloroform	0.16	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Upstream	7440-47-3	51	Chromium	2.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	Upstream	7440-48-4	53	Cobalt	2.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	Upstream	7440-50-8	54	Copper	0.60	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	Upstream	124-48-1	66	Dibromochloromethane	0.18	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Upstream	96-12-8	67	1,2-Dibromo-3-chloropropane	0.19	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Upstream	106-93-4	68	1,2-Dibromoethane	0.19	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Upstream	95-50-1	69	1,2-Dichlorobenzene	0.17	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Upstream	106-46-7	71	1,4-Dichlorobenzene	0.15	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Upstream	110-57-6	73	trans-1,4-Dichloro-2-butene	0.60	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Upstream	75-34-3	75	1,1-Dichloroethane	0.090	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Upstream	107-06-2	76	1,2-Dichloroethane	0.36	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Upstream	75-35-4	77	1,1-Dichloroethene	0.14	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Upstream	156-59-2	78	cis-1,2-Dichloroethene	0.14	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Upstream	156-60-5	79	trans-1,2-Dichloroethene	0.10	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Upstream	78-87-5	82	1,2-Dichloropropane	0.18	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Upstream	10061-01-5	86	cis-1,3-Dichloropropene	0.16	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Upstream	10061-02-6	87	trans-1,3-Dichloropropene	0.18	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Upstream	100-41-4	110	Ethylbenzene	0.17	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Upstream	591-78-6	124	2-Hexanone	0.24	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Upstream	7439-92-1	131	Lead	2.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	Upstream	74-83-9	136	Bromomethane	0.21	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Upstream	74-87-3	137	Chloromethane	0.18	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Upstream	74-95-3	139	Dibromomethane	0.14	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Upstream	75-09-2	140	Methylene chloride	0.088	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Upstream	78-93-3	141	2-Butanone	0.56	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Upstream	74-88-4	142	Iodomethane	0.23	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Upstream	108-10-1	147	4-Methyl-2-pentanone	0.36	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Upstream	7440-02-0	152	Nickel	2.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	Upstream	7782-49-2	183	Selenium	2.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	Upstream	7440-22-4	184	Silver	2.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	Upstream	100-42-5	186	Styrene	0.12	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Upstream	630-20-6	190	1,1,1,2-Tetrachloroethane	0.16	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Upstream	79-34-5	191	1,1,2,2-Tetrachloroethane	0.27	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Upstream	127-18-4	192	Tetrachloroethene	0.25	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Upstream	7440-28-0	194	Thallium	0.044	ug/L	U	1	01/24/2007	02/01/2007	02/02/2007
33-01	Upstream	108-88-3	196	Toluene	0.15	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Upstream	71-55-6	200	1,1,1-Trichloroethane	0.24	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Upstream	79-01-6	201	Trichloroethene	0.23	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Upstream	79-00-5	202	1,1,2-Trichloroethane	0.24	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Upstream	75-69-4	203	Trichlorofluoromethane	0.16	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Upstream	96-18-4	206	1,2,3-Trichloropropane	0.32	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Upstream	7440-62-2	209	Vanadium	1.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	Upstream	108-05-4	210	Vinyl acetate	0.19	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Upstream	75-01-4	211	Vinyl chloride	0.15	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Upstream	7440-66-6	213	Zinc	6.3	ug/L	J	1	01/24/2007	02/05/2007	02/08/2007
33-01	Upstream	SW359	359	m,p-Xylenes	0.21	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Upstream	96-47-6	408	o-Xylene	0.14	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Downstream		320	pH	6.91	standard units			01/24/2007		
33-01	Downstream		323	Specific Conductivity	0.086	mS/cm			01/24/2007		
33-01	Downstream		325	Temperature	7.65	°C			01/24/2007		
33-01	Downstream		330	Turbidity	5.00	NTUs			01/24/2007		
33-01	Downstream	67-64-1	3	Acetone	0.90	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Downstream	107-13-1	8	Acrylonitrile	2.0	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Downstream	7440-36-0	13	Antimony	0.58	ug/L	U	1	01/24/2007	02/01/2007	02/02/2007
33-01	Downstream	7440-38-2	14	Arsenic	2.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	Downstream	7440-39-3	15	Barium	53.8	ug/L		1	01/24/2007	02/05/2007	02/08/2007
33-01	Downstream	71-43-2	16	Benzene	0.12	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Downstream	7440-41-7	23	Beryllium	0.70	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	Downstream	74-97-5	28	Bromochloromethane	0.19	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Downstream	75-27-4	29	Bromodichloromethane	0.19	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Downstream	75-25-2	30	Bromoform	0.36	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Downstream	7440-43-9	34	Cadmium	0.50	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	Downstream	75-15-0	35	Carbon disulfide	0.12	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Downstream	56-23-5	36	Carbon tetrachloride	0.38	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Downstream	108-90-7	39	Chlorobenzene	0.16	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Downstream	75-00-3	41	Chloroethane	0.40	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Downstream	67-66-3	44	Chloroform	0.16	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Downstream	7440-47-3	51	Chromium	2.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007

Table 1
Groundwater Elevation Data, Field Parameters, and
Groundwater/Surface Water Quality Summary
Edgecombe County Landfill
January 24, 2007
S&ME Project No. 1040-01-545E

Facility Permit	Well ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifier	Dilution Factor	Collection Date	Extraction Date	Analysis Date
33-01	Downstream	7440-48-4	53	Cobalt	2.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	Downstream	7440-50-8	54	Copper	0.60	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	Downstream	124-48-1	66	Dibromochloromethane	0.18	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Downstream	96-12-8	67	1,2-Dibromo-3-chloropropane	0.19	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Downstream	106-93-4	68	1,2-Dibromoethane	0.19	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Downstream	95-50-1	69	1,2-Dichlorobenzene	0.17	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Downstream	106-46-7	71	1,4-Dichlorobenzene	0.15	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Downstream	110-57-6	73	trans-1,4-Dichloro-2-butene	0.60	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Downstream	75-34-3	75	1,1-Dichloroethane	0.090	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Downstream	107-06-2	76	1,2-Dichloroethane	0.36	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Downstream	75-35-4	77	1,1-Dichloroethene	0.14	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Downstream	156-59-2	78	cis-1,2-Dichloroethene	0.38	ug/L	J	1	01/24/2007	02/02/2007	02/03/2007
33-01	Downstream	156-60-5	79	trans-1,2-Dichloroethene	0.10	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Downstream	78-87-5	82	1,2-Dichloropropane	0.18	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Downstream	10061-01-5	86	cis-1,3-Dichloropropene	0.16	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Downstream	10061-02-6	87	trans-1,3-Dichloropropene	0.18	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Downstream	100-41-4	110	Ethylbenzene	0.17	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Downstream	591-78-6	124	2-Hexanone	0.24	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Downstream	7439-92-1	131	Lead	2.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	Downstream	74-83-9	136	Bromomethane	0.21	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Downstream	74-87-3	137	Chloromethane	0.18	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Downstream	74-95-3	139	Dibromomethane	0.14	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Downstream	75-09-2	140	Methylene chloride	0.088	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Downstream	78-93-3	141	2-Butanone	0.56	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Downstream	74-88-4	142	Iodomethane	0.23	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Downstream	108-10-1	147	4-Methyl-2-pentanone	0.36	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Downstream	7440-02-0	152	Nickel	2.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	Downstream	7782-49-2	183	Selenium	2.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	Downstream	7440-22-4	184	Silver	2.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	Downstream	100-42-5	186	Styrene	0.12	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Downstream	630-20-6	190	1,1,1,2-Tetrachloroethane	0.16	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Downstream	79-34-5	191	1,1,2,2-Tetrachloroethane	0.27	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Downstream	127-18-4	192	Tetrachloroethene	0.25	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Downstream	7440-28-0	194	Thallium	0.044	ug/L	U	1	01/24/2007	02/01/2007	02/02/2007
33-01	Downstream	108-88-3	196	Toluene	0.15	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Downstream	71-55-6	200	1,1,1-Trichloroethane	0.24	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Downstream	79-01-6	201	Trichloroethene	0.23	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Downstream	79-00-5	202	1,1,2-Trichloroethane	0.24	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Downstream	75-69-4	203	Trichlorofluoromethane	0.16	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Downstream	96-18-4	206	1,2,3-Trichloropropane	0.32	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Downstream	7440-62-2	209	Vanadium	1.0	ug/L	U	1	01/24/2007	02/05/2007	02/08/2007
33-01	Downstream	108-05-4	210	Vinyl acetate	0.19	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Downstream	75-01-4	211	Vinyl chloride	0.15	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Downstream	7440-66-6	213	Zinc	6.4	ug/L	J	1	01/24/2007	02/05/2007	02/08/2007
33-01	Downstream	SW359	359	m,p-Xylenes	0.21	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007
33-01	Downstream	96-47-6	408	o-Xylene	0.14	ug/L	U	1	01/24/2007	02/02/2007	02/03/2007

NOTES:
ft. = feet
NM = Not Measured
TOC = Top of Casing; TOC elevations from site survey.
AMSL = Above Mean Sea Level
(A or B) = Replacement Well
mS/cm = microsiemens/centimeter
°C = Degrees Celcius
NTUs = Nephelometric Turbidity Units
Blank entries indicate not applicable.

Table 2
Estimated Groundwater Flow Rates at Well Locations
Edgecombe County Landfill
January 24, 2007 Sampling Event
S&ME Project No. 1040-01-545E

WELL LOCATION	GROUNDWATER GRADIENT (ft/ft)	HYDRAULIC CONDUCTIVITY (cm/sec)	EFFECTIVE POROSITY (%)	ESTIMATED VELOCITY (ft/yr)
MW-1A	0.0191	2.06E-05	15	2.7
MW-3B	0.0230	9.72E-05	15	15.4
MW-5	0.0224	6.91E-05	15	10.6
MW-6	0.0226	1.29E-05	15	2.0
MW-7A	0.0135	8.39E-05	10	11.7
P-1	0.0208	3.65E-04	20	39.0

Note:
Historical hydraulic conductivity and porosity values are from October 1994 "Initial baseline Sampling of Groundwater, Edgecombe County Landfill", Prepared by Law Engineering Company. S&ME, INC. determined hydraulic conductivity data for MW-7A and P-1.

Table 3
Groundwater/Surface Water Quality Summary
Edgecombe County Landfill
January 24, 2007 Sampling Event
S&ME Project No. 1040-01-545E

GROUNDWATER QUALITY SUMMARY											SURFACE WATER QUALITY SUMMARY			SWSRL
APPENDIX I ORGANIC COMPOUNDS	UNITS	2L STANDARD	SAMPLING LOCATION								2B STANDARD	SAMPLING LOCATION		
			MW-1A	MW-3B	MW-4	MW-5	Duplicate	MW-6	MW-7A	MW-9		UPSTREAM	DOWNSTREAM	
BENZENE	µg/L	1	<0.12	<0.12	<0.12	**7.1J,D**	**7.0J,D**	<0.12	1.7	<0.12	1.19	<0.12	<0.12	1
CHLOROBENZENE	µg/L	50	<0.16	<0.16	<0.16	17D	17D	<0.16	2.3	<0.16	488	<0.16	<0.16	3
CHLOROETHANE	µg/L	2,800	<0.40	<0.40	<0.40	<4.0D	<4.0D	<0.40	4.6	<0.40	N/S	<0.40	<0.40	10
1,4-DICHLOROBENZENE	µg/L	1.4	<0.15	<0.15	<0.15	**8.8J,D**	**7.9J,D**	<0.15	0.69J	<0.15	488	<0.15	<0.15	1
1,1-DICHLOROETHANE	µg/L	70	0.55J	<0.09	<0.09	23D	23D	0.85J	0.41J	<0.09	N/S	<0.09	<0.09	5
C-1,2 DICHLOROETHENE	µg/L	70	1.60	<0.14	<0.14	**840D**	**730D**	<0.14	0.35J	<0.14	N/S	<0.14	0.38J	5
t-1,2-DICHLOROETHENE	µg/L	100	<0.10	<0.10	<0.10	6.0J,D	5.0J,D	<0.10	<0.10	<0.10	N/S	<0.10	<0.10	5
TRICHLOROETHENE	µg/L	2.8	<0.23	<0.23	<0.23	<2.3D	**3.4J,D**	<0.23	<0.23	<0.23	3.08	<0.23	<0.23	1
VINYL CHLORIDE	µg/L	0.015	<0.15	<0.15	<0.15	**49D**	**46D**	<0.15	<0.15	<0.15	2	<0.15	<0.15	1
APPENDIX I INORGANIC COMPOUNDS	UNITS	2L STANDARD	SAMPLING LOCATION								2B STANDARD	SAMPLING LOCATION		SWSL
			MW-1A	MW-3B	MW-4	MW-5	Duplicate	MW-6	MW-7A	MW-9		UPSTREAM	DOWNSTREAM	
ARSENIC	µg/L	50	2.8J	<2.0	2.5J	8.1J	5.6J	2.6J	<2.0	<2.0	50	<2.0	<2.0	10
BARIUM	µg/L	2,000	80.4	110	52.8	235	221	87.6	112	322	1,000	55.8	53.8	100
COBALT	µg/L	2*	<2.0	**6.1J**	<2.0	**74.9**	**78.2**	<2.0	<2.0	<2.0	N/S	<2.0	<2.0	10
NICKEL	µg/L	100	5.0J	7.0J	<2.0	22.7	22.5	<2.0	<2.0	<2.0	88	<2.0	<2.0	50
THALLIUM	µg/L	0.28*	<0.044	0.139	<0.044	0.06	0.239	<0.044	<0.044	<0.044	N/S	<0.044	<0.044	5.5
VANADIUM	µg/L	25*	<1.0	5.9J	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	N/S	<1.0	<1.0	25
ZINC	µg/L	1,050	14.3	4.4J	4.2J	17.1	19.4	1.1J	<1.0	<1.0	50	6.3J	6.4J	10

NOTES:
2L STANDARD = North Carolina groundwater standards as promulgated by 15A North Carolina Administrative Code, Subchapter 2L.
2B STANDARD = North Carolina surface water standards as promulgated in 15A North Carolina Administrative Code, Subchapter 2B.
SWSL = Solid Waste Section Limit.
µg/L = Micrograms Per Liter
Values which are **BOLDED** indicate levels at or above their respective NCDENR 2L or GWPST Standard.
J = Analyte detected, but below the laboratory reporting limit therefore the result is an estimated concentration.
D = Data reported from a dilution.
N/S = No Current Standard
* Indicates there is currently no 2L Standard. The target analyte was compared to the Solid Waste Groundwater Protection Standard (GWPST).
Compounds not shown were not detected during this sampling event

APPENDIX I

REPORT OF LABORATORY ANALYSES

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

www.encolabs.com

Friday, February 9, 2007

S&ME, Inc. (SM001)

Attn: Sam Watts

3201 Spring Forest Road

Raleigh, NC 27616

RE: Project Number: 1040-01-545E, Project Name/Desc: Edgecombe County Landfill - App I
ENCO Workorder: C700720

Dear Sam Watts,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Thursday, January 25, 2007.

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

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

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

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

Sincerely,

Chuck Smith

Chuck Smith

Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 44.

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: MW-1A **Lab ID:** C700720-01

Sampled: 01/24/07 17:15 **Received:** 01/25/07 11:38

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	07/23/07	02/05/07 14:12	2/8/2007 16:21
EPA 6020	07/23/07	02/01/07 15:47	2/2/2007 15:25
EPA 8260B	02/07/07	02/02/07 07:55	2/3/2007 14:27

Client ID: MW-3A **Lab ID:** C700720-02

Sampled: 01/24/07 13:57 **Received:** 01/25/07 11:38

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	07/23/07	02/05/07 14:12	2/8/2007 16:28
EPA 6020	07/23/07	02/01/07 15:47	2/2/2007 15:27
EPA 8260B	02/07/07	02/02/07 07:55	2/3/2007 14:53

Client ID: MW-4 **Lab ID:** C700720-03

Sampled: 01/24/07 12:18 **Received:** 01/25/07 11:38

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	07/23/07	02/05/07 14:12	2/8/2007 16:35
EPA 6020	07/23/07	02/01/07 15:47	2/2/2007 15:30
EPA 8260B	02/07/07	02/02/07 07:55	2/3/2007 15:19

Client ID: MW-5 **Lab ID:** C700720-04

Sampled: 01/24/07 11:34 **Received:** 01/25/07 11:38

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	07/23/07	02/05/07 14:12	2/8/2007 17:01
EPA 6020	07/23/07	02/01/07 15:47	2/2/2007 15:32
EPA 8260B	02/07/07	02/02/07 07:55	2/3/2007 15:45

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Client ID: MW-6 **Lab ID:** C700720-05

Sampled: 01/24/07 11:00 **Received:** 01/25/07 11:38

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	07/23/07	02/05/07 14:12	2/8/2007 17:08
EPA 6020	07/23/07	02/01/07 15:47	2/2/2007 15:35
EPA 8260B	02/07/07	02/02/07 07:55	2/3/2007 16:11

Client ID: MW-7A **Lab ID:** C700720-06

Sampled: 01/24/07 10:04 **Received:** 01/25/07 11:38

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	07/23/07	02/05/07 14:12	2/8/2007 17:15
EPA 6020	07/23/07	02/01/07 15:47	2/2/2007 15:37
EPA 8260B	02/07/07	02/02/07 07:55	2/3/2007 16:37

Client ID: MW-9 **Lab ID:** C700720-07

Sampled: 01/24/07 16:08 **Received:** 01/25/07 11:38

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	07/23/07	02/05/07 14:12	2/8/2007 17:22
EPA 6020	07/23/07	02/01/07 15:47	2/2/2007 15:40
EPA 8260B	02/07/07	02/02/07 07:55	2/3/2007 17:02

Client ID: Upstream **Lab ID:** C700720-08

Sampled: 01/24/07 10:20 **Received:** 01/25/07 11:38

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	07/23/07	02/05/07 14:12	2/8/2007 17:29
EPA 6020	07/23/07	02/01/07 15:47	2/2/2007 15:42
EPA 8260B	02/07/07	02/02/07 07:55	2/3/2007 17:28

Client ID: Downstream **Lab ID:** C700720-09

Sampled: 01/24/07 16:55 **Received:** 01/25/07 11:38

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	07/23/07	02/05/07 14:12	2/8/2007 17:36
EPA 6020	07/23/07	02/01/07 15:47	2/2/2007 15:45
EPA 8260B	02/07/07	02/02/07 07:55	2/3/2007 17:54

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Client ID: Duplicate **Lab ID:** C700720-10

Sampled: 01/24/07 00:00 **Received:** 01/25/07 11:38

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010B	07/23/07	02/05/07 14:12	2/8/2007 17:44
EPA 6020	07/23/07	02/01/07 15:52	2/2/2007 16:12
EPA 8260B	02/07/07	02/02/07 07:55	2/4/2007 12:29

Client ID: Trip Blank **Lab ID:** C700720-11

Sampled: 01/24/07 00:00 **Received:** 01/25/07 11:38

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	02/07/07	02/02/07 07:55	2/3/2007 13:10

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SAMPLE DETECTION SUMMARY

Client ID: MW-1A — **Lab ID: C700720-01**

Analyte	Results/Qual	NC SWS RL	Units	Method
1,1-Dichloroethane	0.55 J	5	ug/L	EPA 8260B
Arsenic	2.8 J	10	ug/L	EPA 6010B
Barium	80.4	100	ug/L	EPA 6010B
cis-1,2-Dichloroethene	1.6	5	ug/L	EPA 8260B
Nickel	5.0 J	50	ug/L	EPA 6010B
Zinc	14.3	10	ug/L	EPA 6010B

Client ID: MW-3A — **Lab ID: C700720-02**

Analyte	Results/Qual	NC SWS RL	Units	Method
Barium	110	100	ug/L	EPA 6010B
Cobalt	6.1 J	10	ug/L	EPA 6010B
Nickel	7.0 J	50	ug/L	EPA 6010B
Thallium	0.139	5.5	ug/L	EPA 6020
Vanadium	5.9 J	25	ug/L	EPA 6010B
Zinc	4.4 J	10	ug/L	EPA 6010B

Client ID: MW-4 — **Lab ID: C700720-03**

Analyte	Results/Qual	NC SWS RL	Units	Method
Arsenic	2.5 J	10	ug/L	EPA 6010B
Barium	52.8	100	ug/L	EPA 6010B
Zinc	4.2 J	10	ug/L	EPA 6010B

Client ID: MW-5 — **Lab ID: C700720-04**

Analyte	Results/Qual	NC SWS RL	Units	Method
1,1-Dichloroethane	23 D	5	ug/L	EPA 8260B
1,4-Dichlorobenzene	8.8 J, D	3	ug/L	EPA 8260B
Arsenic	8.1 J	10	ug/L	EPA 6010B
Barium	235	100	ug/L	EPA 6010B
Benzene	7.1 J, D	3	ug/L	EPA 8260B
Chlorobenzene	17 D	3	ug/L	EPA 8260B
cis-1,2-Dichloroethene	840 D	5	ug/L	EPA 8260B
Cobalt	74.9	10	ug/L	EPA 6010B
Nickel	22.7	50	ug/L	EPA 6010B
Thallium	0.060	5.5	ug/L	EPA 6020
trans-1,2-Dichloroethene	6.0 J, D	5	ug/L	EPA 8260B
Vinyl chloride	49 D	5.5	ug/L	EPA 8260B
Zinc	17.1	10	ug/L	EPA 6010B

Client ID: MW-6 — **Lab ID: C700720-05**

Analyte	Results/Qual	NC SWS RL	Units	Method
1,1-Dichloroethane	0.85 J	5	ug/L	EPA 8260B
Arsenic	2.6 J	10	ug/L	EPA 6010B
Barium	87.6	100	ug/L	EPA 6010B
Zinc	1.1 J	10	ug/L	EPA 6010B

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Client ID: MW-7A	Lab ID: C700720-06	NC SWS		
Analyte	Results/Qual	RL	Units	Method
1,1-Dichloroethane	0.41 J	5	ug/L	EPA 8260B
1,4-Dichlorobenzene	0.69 J	3	ug/L	EPA 8260B
Barium	112	100	ug/L	EPA 6010B
Benzene	1.7	3	ug/L	EPA 8260B
Chlorobenzene	2.3	3	ug/L	EPA 8260B
Chloroethane	4.6	10	ug/L	EPA 8260B
cis-1,2-Dichloroethene	0.35 J	5	ug/L	EPA 8260B

Client ID: MW-9	Lab ID: C700720-07	NC SWS		
Analyte	Results/Qual	RL	Units	Method
Barium	322	100	ug/L	EPA 6010B

Client ID: Upstream	Lab ID: C700720-08	NC SWS		
Analyte	Results/Qual	RL	Units	Method
Barium	55.8	100	ug/L	EPA 6010B
Zinc	6.3 J	10	ug/L	EPA 6010B

Client ID: Downstream	Lab ID: C700720-09	NC SWS		
Analyte	Results/Qual	RL	Units	Method
Barium	53.8	100	ug/L	EPA 6010B
cis-1,2-Dichloroethene	0.38 J	5	ug/L	EPA 8260B
Zinc	6.4 J	10	ug/L	EPA 6010B

Client ID: Duplicate	Lab ID: C700720-10	NC SWS		
Analyte	Results/Qual	RL	Units	Method
1,1-Dichloroethane	23 D	5	ug/L	EPA 8260B
1,4-Dichlorobenzene	7.9 J, D	3	ug/L	EPA 8260B
Arsenic	5.6 J	10	ug/L	EPA 6010B
Barium	221	100	ug/L	EPA 6010B
Benzene	7.0 J, D	3	ug/L	EPA 8260B
Chlorobenzene	17 D	3	ug/L	EPA 8260B
cis-1,2-Dichloroethene	730 D	5	ug/L	EPA 8260B
Cobalt	78.2	10	ug/L	EPA 6010B
Nickel	22.5	50	ug/L	EPA 6010B
Thallium	0.239	5.5	ug/L	EPA 6020
trans-1,2-Dichloroethene	5.0 J, D	5	ug/L	EPA 8260B
Trichloroethene	3.4 J, D	3	ug/L	EPA 8260B
Vinyl chloride	46 D	5.5	ug/L	EPA 8260B
Zinc	19.4	10	ug/L	EPA 6010B

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ANALYTICAL REPORT

Sample ID:	MW-1A	Project:	Edgecombe County Landfill - App I
Lab #:	C700720-01	Work Order #:	C700720
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/03/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B02002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	3	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	**0.55** J	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	8	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	13	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	3	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	3	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	3	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	3	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	3	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	3	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	5.5	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	5.5	ug/L
cis-1,2-Dichloroethene	156-59-2	**1.6**	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	5.5	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	3	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	5	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	5.5	ug/L
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	10	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	3	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-1A	Project:	Edgecombe County Landfill - App I
Lab #:	C700720-01	Work Order #:	C700720
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/03/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B02002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
Toluene	108-88-3	0.15 U	0.15	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	5.5	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	3	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	5	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	5.5	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	50	50.0	100 %	66.9-124.7
Dibromofluoromethane	1868-53-7	49	50.0	98 %	68.8-111.3
Toluene-d8	2037-26-5	55	50.0	111 %	87.3-120.3

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ANALYTICAL REPORT

Sample ID: MW-1A
Lab #: C700720-01

Project: Edgecombe County Landfill - App I
Work Order #: C700720
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	0.58	2.00	6	ug/L	EPA 6020	EPA 200.8	7B01026
Arsenic	7440-38-2	**2.8** J	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Barium	7440-39-3	**80.4**	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7B02020
Beryllium	7440-41-7	0.70 U	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B02020
Cadmium	7440-43-9	0.50 U	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B02020
Chromium	7440-47-3	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Cobalt	7440-48-4	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Copper	7440-50-8	0.60 U	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Lead	7439-92-1	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Nickel	7440-02-0	**5.0** J	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7B02020
Selenium	7782-49-2	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Silver	7440-22-4	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Thallium	7440-28-0	0.044 U	0.044	0.050	5.5	ug/L	EPA 6020	EPA 200.8	7B01026
Vanadium	7440-62-2	1.0 U	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7B02020
Zinc	7440-66-6	**14.3**	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020

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ANALYTICAL REPORT

Sample ID:	MW-3A	Project:	Edgecombe County Landfill - App 1
Lab #:	C700720-02	Work Order #:	C700720
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/03/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B02002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	3	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	8	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	13	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	3	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	3	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	3	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	3	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	3	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	3	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	5.5	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	5.5	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	5.5	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	3	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	5	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	5.5	ug/L
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	10	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	3	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-3A	Project:	Edgecombe County Landfill - App I
Lab #:	C700720-02	Work Order #:	C700720
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/03/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B02002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
Toluene	108-88-3	0.15 U	0.15	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	5.5	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	3	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	5	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	5.5	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	54	50.0	107 %	66.9-124.7
Dibromofluoromethane	1868-53-7	50	50.0	100 %	68.8-111.3
Toluene-d8	2037-26-5	58	50.0	116 %	87.3-120.3

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ANALYTICAL REPORT

Sample ID: MW-3A
Lab #: C700720-02

Project: Edgecombe County Landfill - App I
Work Order #: C700720
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	0.58	2.00	6	ug/L	EPA 6020	EPA 200.8	7B01026
Arsenic	7440-38-2	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Barium	7440-39-3	**110**	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7B02020
Beryllium	7440-41-7	0.70 U	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B02020
Cadmium	7440-43-9	0.50 U	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B02020
Chromium	7440-47-3	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Cobalt	7440-48-4	**6.1** J	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Copper	7440-50-8	0.60 U	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Lead	7439-92-1	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Nickel	7440-02-0	**7.0** J	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7B02020
Selenium	7782-49-2	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Silver	7440-22-4	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Thallium	7440-28-0	**0.139**	0.044	0.050	5.5	ug/L	EPA 6020	EPA 200.8	7B01026
Vanadium	7440-62-2	**5.9** J	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7B02020
Zinc	7440-66-6	**4.4** J	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020

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ANALYTICAL REPORT

Sample ID:	MW-4	Project:	Edgecombe County Landfill - App I
Lab #:	C700720-03	Work Order #:	C700720
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/03/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B02002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	3	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	8	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	13	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	3	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	3	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	3	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	3	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	3	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	3	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	5.5	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	5.5	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	5.5	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	3	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	5	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	5.5	ug/L
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	10	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	3	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-4	Project:	Edgecombe County Landfill - App I
Lab #:	C700720-03	Work Order #:	C700720
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/03/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B02002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
Toluene	108-88-3	0.15 U	0.15	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	5.5	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	3	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	5	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	5.5	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	53	50.0	107 %	66.9-124.7
Dibromofluoromethane	1868-53-7	51	50.0	102 %	68.8-111.3
Toluene-d8	2037-26-5	54	50.0	109 %	87.3-120.3

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ANALYTICAL REPORT

Sample ID: MW-4
Lab #: C700720-03

Project: Edgecombe County Landfill - App I
Work Order #: C700720
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	0.58	2.00	6	ug/L	EPA 6020	EPA 200.8	7B01026
Arsenic	7440-38-2	**2.5** J	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Barium	7440-39-3	**52.8**	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7B02020
Beryllium	7440-41-7	0.70 U	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B02020
Cadmium	7440-43-9	0.50 U	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B02020
Chromium	7440-47-3	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Cobalt	7440-48-4	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Copper	7440-50-8	0.60 U	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Lead	7439-92-1	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Nickel	7440-02-0	2.0 U	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7B02020
Selenium	7782-49-2	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Silver	7440-22-4	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Thallium	7440-28-0	0.044 U	0.044	0.050	5.5	ug/L	EPA 6020	EPA 200.8	7B01026
Vanadium	7440-62-2	1.0 U	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7B02020
Zinc	7440-66-6	**4.2** J	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020

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ANALYTICAL REPORT

Sample ID:	MW-5	Project:	Edgecombe County Landfill - App I
Lab #:	C700720-04	Work Order #:	C700720
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/03/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	10
Anal. Batch:			
QC Batch:	7B02002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
1,1,1,2-Tetrachloroethane	630-20-6	1.6 U, D	1.6	10	5	ug/L
1,1,1-Trichloroethane	71-55-6	2.4 U, D	2.4	10	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	2.7 U, D	2.7	10	3	ug/L
1,1,2-Trichloroethane	79-00-5	2.4 U, D	2.4	10	5	ug/L
1,1-Dichloroethane	75-34-3	**23** D	0.90	10	5	ug/L
1,1-Dichloroethene	75-35-4	1.4 U, D	1.4	10	5	ug/L
1,2,3-Trichloropropane	96-18-4	3.2 U, D	3.2	10	8	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	1.9 U, D	1.9	10	13	ug/L
1,2-Dibromoethane	106-93-4	1.9 U, D	1.9	10	3	ug/L
1,2-Dichlorobenzene	95-50-1	1.7 U, D	1.7	10	5	ug/L
1,2-Dichloroethane	107-06-2	3.6 U, D	3.6	10	3	ug/L
1,2-Dichloropropane	78-87-5	1.8 U, D	1.8	10	3	ug/L
1,4-Dichlorobenzene	106-46-7	**8.8** J, D	1.5	10	3	ug/L
2-Butanone	78-93-3	5.6 U, D	5.6	50	100	ug/L
2-Hexanone	591-78-6	2.4 U, D	2.4	50	50	ug/L
4-Methyl-2-pentanone	108-10-1	3.6 U, D	3.6	50	100	ug/L
Acetone	67-64-1	9.0 U, D	9.0	50	100	ug/L
Acrylonitrile	107-13-1	20 U, D	20	50	200	ug/L
Benzene	71-43-2	**7.1** J, D	1.2	10	3	ug/L
Bromochloromethane	74-97-5	1.9 U, D	1.9	10	3	ug/L
Bromodichloromethane	75-27-4	1.9 U, D	1.9	4.0	3	ug/L
Bromoform	75-25-2	3.6 U, D	3.6	10	3	ug/L
Bromomethane	74-83-9	2.1 U, D	2.1	10	10	ug/L
Carbon disulfide	75-15-0	1.2 U, D	1.2	50	100	ug/L
Carbon tetrachloride	56-23-5	3.8 U, D	3.8	10	5.5	ug/L
Chlorobenzene	108-90-7	**17** D	1.6	10	3	ug/L
Chloroethane	75-00-3	4.0 U, D	4.0	10	10	ug/L
Chloroform	67-66-3	1.6 U, D	1.6	10	5	ug/L
Chloromethane	74-87-3	1.8 U, D	1.8	10	5.5	ug/L
cis-1,2-Dichloroethene	156-59-2	**840** D	1.4	10	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	1.6 U, D	1.6	2.0	5.5	ug/L
Dibromochloromethane	124-48-1	1.8 U, D	1.8	10	3	ug/L
Dibromomethane	74-95-3	1.4 U, D	1.4	10	10	ug/L
Ethylbenzene	100-41-4	1.7 U, D	1.7	10	5	ug/L
Iodomethane	74-88-4	2.3 U, D	2.3	20	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	2.1 U, D	2.1	20	NE	ug/L
Methylene chloride	75-09-2	0.88 U, D	0.88	20	5.5	ug/L
o-Xylene	95-47-6	1.4 U, D	1.4	10	NE	ug/L
Styrene	100-42-5	1.2 U, D	1.2	10	10	ug/L
Tetrachloroethene	127-18-4	2.5 U, D	2.5	10	3	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-5	Project:	Edgecombe County Landfill - App I
Lab #:	C700720-04	Work Order #:	C700720
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/03/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	10
Anal. Batch:			
QC Batch:	7B02002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
Toluene	108-88-3	1.5 U, D	1.5	10	5	ug/L
trans-1,2-Dichloroethene	156-60-5	**6.0** J, D	1.0	10	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	1.8 U, D	1.8	2.0	5.5	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	6.0 U, D	6.0	10	100	ug/L
Trichloroethene	79-01-6	2.3 U, D	2.3	10	3	ug/L
Trichlorofluoromethane	75-69-4	1.6 U, D	1.6	10	5	ug/L
Vinyl acetate	108-05-4	1.9 U, D	1.9	20	50	ug/L
Vinyl chloride	75-01-4	**49** D	1.5	10	5.5	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	51	50.0	103 %	66.9-124.7
Dibromofluoromethane	1868-53-7	51	50.0	103 %	68.8-111.3
Toluene-d8	2037-26-5	57	50.0	114 %	87.3-120.3

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ANALYTICAL REPORT

Sample ID: MW-5
Lab #: C700720-04

Project: Edgecombe County Landfill - App I
Work Order #: C700720
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units	Analysis Method	Prep Method	Analytical . Batch
Antimony	7440-36-0	0.58 U	0.58	2.00	6	ug/L	EPA 6020	EPA 200.8	7B01026
Arsenic	7440-38-2	**8.1** J	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Barium	7440-39-3	**235**	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7B02020
Beryllium	7440-41-7	0.70 U	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B02020
Cadmium	7440-43-9	0.50 U	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B02020
Chromium	7440-47-3	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Cobalt	7440-48-4	**74.9**	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Copper	7440-50-8	0.60 U	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Lead	7439-92-1	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Nickel	7440-02-0	**22.7**	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7B02020
Selenium	7782-49-2	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Silver	7440-22-4	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Thallium	7440-28-0	**0.060**	0.044	0.050	5.5	ug/L	EPA 6020	EPA 200.8	7B01026
Vanadium	7440-62-2	1.0 U	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7B02020
Zinc	7440-66-6	**17.1**	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020

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ANALYTICAL REPORT

Sample ID:	MW-6	Project:	Edgecombe County Landfill - App 1
Lab #:	C700720-05	Work Order #:	C700720
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/03/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B02002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	3	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	**0.85** J	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	8	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	13	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	3	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	3	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	3	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	3	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	3	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	3	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	5.5	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	5.5	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	5.5	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	3	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	5	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	5.5	ug/L
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	10	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	3	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-6	Project:	Edgecombe County Landfill - App I
Lab #:	C700720-05	Work Order #:	C700720
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/03/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B02002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
Toluene	108-88-3	0.15 U	0.15	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	5.5	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	3	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	5	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	5.5	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	54	50.0	109 %	66.9-124.7
Dibromofluoromethane	1868-53-7	50	50.0	100 %	68.8-111.3
Toluene-d8	2037-26-5	57	50.0	113 %	87.3-120.3

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ANALYTICAL REPORT

Sample ID: MW-6
Lab #: C700720-05

Project: Edgecombe County Landfill - App I
Work Order #: C700720
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	0.58	2.00	6	ug/L	EPA 6020	EPA 200.8	7B01026
Arsenic	7440-38-2	**2.6** J	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Barium	7440-39-3	**87.6**	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7B02020
Beryllium	7440-41-7	0.70 U	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B02020
Cadmium	7440-43-9	0.50 U	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B02020
Chromium	7440-47-3	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Cobalt	7440-48-4	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Copper	7440-50-8	0.60 U	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Lead	7439-92-1	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Nickel	7440-02-0	2.0 U	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7B02020
Selenium	7782-49-2	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Silver	7440-22-4	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Thallium	7440-28-0	0.044 U	0.044	0.050	5.5	ug/L	EPA 6020	EPA 200.8	7B01026
Vanadium	7440-62-2	1.0 U	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7B02020
Zinc	7440-66-6	**1.1** J	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020

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ANALYTICAL REPORT

Sample ID:	MW-7A	Project:	Edgecombe County Landfill - App I
Lab #:	C700720-06	Work Order #:	C700720
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/03/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B02002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	3	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	**0.41 J**	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	8	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	13	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	3	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	3	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	3	ug/L
1,4-Dichlorobenzene	106-46-7	**0.69 J**	0.15	1.0	3	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	**1.7**	0.12	1.0	3	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	3	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	5.5	ug/L
Chlorobenzene	108-90-7	**2.3**	0.16	1.0	3	ug/L
Chloroethane	75-00-3	**4.6**	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	5.5	ug/L
cis-1,2-Dichloroethene	156-59-2	**0.35 J**	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	5.5	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	3	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	5	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	5.5	ug/L
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	10	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	3	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-7A	Project:	Edgecombe County Landfill - App I
Lab #:	C700720-06	Work Order #:	C700720
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/03/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B02002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
Toluene	108-88-3	0.15 U	0.15	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	5.5	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	3	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	5	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	5.5	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	51	50.0	102 %	66.9-124.7
Dibromofluoromethane	1868-53-7	50	50.0	100 %	68.8-111.3
Toluene-d8	2037-26-5	56	50.0	113 %	87.3-120.3

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ANALYTICAL REPORT

Sample ID: MW-7A
Lab #: C700720-06

Project: Edgecombe County Landfill - App I
Work Order #: C700720
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	0.58	2.00	6	ug/L	EPA 6020	EPA 200.8	7B01026
Arsenic	7440-38-2	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Barium	7440-39-3	**112**	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7B02020
Beryllium	7440-41-7	0.70 U	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B02020
Cadmium	7440-43-9	0.50 U	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B02020
Chromium	7440-47-3	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Cobalt	7440-48-4	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Copper	7440-50-8	0.60 U	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Lead	7439-92-1	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Nickel	7440-02-0	2.0 U	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7B02020
Selenium	7782-49-2	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Silver	7440-22-4	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Thallium	7440-28-0	0.044 U	0.044	0.050	5.5	ug/L	EPA 6020	EPA 200.8	7B01026
Vanadium	7440-62-2	1.0 U	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7B02020
Zinc	7440-66-6	1.0 U	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020

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ANALYTICAL REPORT

Sample ID:	MW-9	Project:	Edgecombe County Landfill - App I
Lab #:	C700720-07	Work Order #:	C700720
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/03/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B02002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	3	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	8	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	13	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	3	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	3	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	3	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	3	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	3	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	3	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	5.5	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	5.5	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	5.5	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	3	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	5	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	5.5	ug/L
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	10	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	3	ug/L

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ANALYTICAL REPORT

Sample ID:	MW-9	Project:	Edgecombe County Landfill - App I
Lab #:	C700720-07	Work Order #:	C700720
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/03/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B02002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
Toluene	108-88-3	0.15 U	0.15	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	5.5	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	3	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	5	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	5.5	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	51	50.0	102 %	66.9-124.7
Dibromofluoromethane	1868-53-7	50	50.0	99 %	68.8-111.3
Toluene-d8	2037-26-5	57	50.0	114 %	87.3-120.3

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ANALYTICAL REPORT

Sample ID: MW-9
Lab #: C700720-07

Project: Edgecombe County Landfill - App I
Work Order #: C700720
Matrix: Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	0.58	2.00	6	ug/L	EPA 6020	EPA 200.8	7B01026
Arsenic	7440-38-2	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Barium	7440-39-3	**322**	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7B02020
Beryllium	7440-41-7	0.70 U	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B02020
Cadmium	7440-43-9	0.50 U	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B02020
Chromium	7440-47-3	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Cobalt	7440-48-4	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Copper	7440-50-8	0.60 U	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Lead	7439-92-1	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Nickel	7440-02-0	2.0 U	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7B02020
Selenium	7782-49-2	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Silver	7440-22-4	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Thallium	7440-28-0	0.044 U	0.044	0.050	5.5	ug/L	EPA 6020	EPA 200.8	7B01026
Vanadium	7440-62-2	1.0 U	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7B02020
Zinc	7440-66-6	1.0 U	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020

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ANALYTICAL REPORT

Sample ID:	Upstream	Project:	Edgecombe County Landfill - App I
Lab #:	C700720-08	Work Order #:	C700720
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/03/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B02002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	3	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	8	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	13	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	3	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	3	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	3	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	3	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	3	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	3	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	5.5	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	5.5	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	5.5	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	3	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	5	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	5.5	ug/L
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	10	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	3	ug/L

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ANALYTICAL REPORT

Sample ID:	Upstream	Project:	Edgecombe County Landfill - App I
Lab #:	C700720-08	Work Order #:	C700720
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/03/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B02002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
Toluene	108-88-3	0.15 U	0.15	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	5.5	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	3	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	5	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	5.5	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	53	50.0	106 %	66.9-124.7
Dibromofluoromethane	1868-53-7	51	50.0	101 %	68.8-111.3
Toluene-d8	2037-26-5	57	50.0	114 %	87.3-120.3

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ANALYTICAL REPORT

Sample ID:	Upstream	Project:	Edgecombe County Landfill - App I
Lab #:	C700720-08	Work Order #:	C700720
		Matrix:	Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	0.58	2.00	6	ug/L	EPA 6020	EPA 200.8	7B01026
Arsenic	7440-38-2	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Barium	7440-39-3	**55.8**	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7B02020
Beryllium	7440-41-7	0.70 U	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B02020
Cadmium	7440-43-9	0.50 U	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B02020
Chromium	7440-47-3	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Cobalt	7440-48-4	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Copper	7440-50-8	0.60 U	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Lead	7439-92-1	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Nickel	7440-02-0	2.0 U	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7B02020
Selenium	7782-49-2	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Silver	7440-22-4	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Thallium	7440-28-0	0.044 U	0.044	0.050	5.5	ug/L	EPA 6020	EPA 200.8	7B01026
Vanadium	7440-62-2	1.0 U	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7B02020
Zinc	7440-66-6	**6.3** J	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020

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ANALYTICAL REPORT

Sample ID:	Downstream	Project:	Edgecombe County Landfill - App I
Lab #:	C700720-09	Work Order #:	C700720
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/03/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B02002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	3	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	8	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	13	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	3	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	3	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	3	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	3	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	3	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	3	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	5.5	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	5.5	ug/L
cis-1,2-Dichloroethene	156-59-2	**0.38** J	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	5.5	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	3	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	5	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	5.5	ug/L
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	10	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	3	ug/L

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ANALYTICAL REPORT

Sample ID:	Downstream	Project:	Edgecombe County Landfill - App I
Lab #:	C700720-09	Work Order #:	C700720
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/03/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B02002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
Toluene	108-88-3	0.15 U	0.15	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	5.5	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	3	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	5	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	5.5	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	54	50.0	108 %	66.9-124.7
Dibromofluoromethane	1868-53-7	51	50.0	101 %	68.8-111.3
Toluene-d8	2037-26-5	57	50.0	114 %	87.3-120.3

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ANALYTICAL REPORT

Sample ID:	Downstream	Project:	Edgecombe County Landfill - App I
Lab #:	C700720-09	Work Order #:	C700720
		Matrix:	Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	0.58	2.00	6	ug/L	EPA 6020	EPA 200.8	7B01026
Arsenic	7440-38-2	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Barium	7440-39-3	**53.8**	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7B02020
Beryllium	7440-41-7	0.70 U	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B02020
Cadmium	7440-43-9	0.50 U	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B02020
Chromium	7440-47-3	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Cobalt	7440-48-4	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Copper	7440-50-8	0.60 U	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Lead	7439-92-1	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Nickel	7440-02-0	2.0 U	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7B02020
Selenium	7782-49-2	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Silver	7440-22-4	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Thallium	7440-28-0	0.044 U	0.044	0.050	5.5	ug/L	EPA 6020	EPA 200.8	7B01026
Vanadium	7440-62-2	1.0 U	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7B02020
Zinc	7440-66-6	**6.4** J	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020

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ANALYTICAL REPORT

Sample ID:	Duplicate	Project:	Edgecombe County Landfill - App I
Lab #:	C700720-10	Work Order #:	C700720
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/04/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	10
Anal. Batch:			
QC Batch:	7B02002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
1,1,1,2-Tetrachloroethane	630-20-6	1.6 U, D	1.6	10	5	ug/L
1,1,1-Trichloroethane	71-55-6	2.4 U, D	2.4	10	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	2.7 U, D	2.7	10	3	ug/L
1,1,2-Trichloroethane	79-00-5	2.4 U, D	2.4	10	5	ug/L
1,1-Dichloroethane	75-34-3	**23** D	0.90	10	5	ug/L
1,1-Dichloroethene	75-35-4	1.4 U, D	1.4	10	5	ug/L
1,2,3-Trichloropropane	96-18-4	3.2 U, D	3.2	10	8	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	1.9 U, D	1.9	10	13	ug/L
1,2-Dibromoethane	106-93-4	1.9 U, D	1.9	10	3	ug/L
1,2-Dichlorobenzene	95-50-1	1.7 U, D	1.7	10	5	ug/L
1,2-Dichloroethane	107-06-2	3.6 U, D	3.6	10	3	ug/L
1,2-Dichloropropane	78-87-5	1.8 U, D	1.8	10	3	ug/L
1,4-Dichlorobenzene	106-46-7	**7.9** J, D	1.5	10	3	ug/L
2-Butanone	78-93-3	5.6 U, D	5.6	50	100	ug/L
2-Hexanone	591-78-6	2.4 U, D	2.4	50	50	ug/L
4-Methyl-2-pentanone	108-10-1	3.6 U, D	3.6	50	100	ug/L
Acetone	67-64-1	9.0 U, D	9.0	50	100	ug/L
Acrylonitrile	107-13-1	20 U, D	20	50	200	ug/L
Benzene	71-43-2	**7.0** J, D	1.2	10	3	ug/L
Bromochloromethane	74-97-5	1.9 U, D	1.9	10	3	ug/L
Bromodichloromethane	75-27-4	1.9 U, D	1.9	4.0	3	ug/L
Bromoform	75-25-2	3.6 U, D	3.6	10	3	ug/L
Bromomethane	74-83-9	2.1 U, D	2.1	10	10	ug/L
Carbon disulfide	75-15-0	1.2 U, D	1.2	50	100	ug/L
Carbon tetrachloride	56-23-5	3.8 U, D	3.8	10	5.5	ug/L
Chlorobenzene	108-90-7	**17** D	1.6	10	3	ug/L
Chloroethane	75-00-3	4.0 U, D	4.0	10	10	ug/L
Chloroform	67-66-3	1.6 U, D	1.6	10	5	ug/L
Chloromethane	74-87-3	1.8 U, D	1.8	10	5.5	ug/L
cis-1,2-Dichloroethene	156-59-2	**730** D	1.4	10	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	1.6 U, D	1.6	2.0	5.5	ug/L
Dibromochloromethane	124-48-1	1.8 U, D	1.8	10	3	ug/L
Dibromomethane	74-95-3	1.4 U, D	1.4	10	10	ug/L
Ethylbenzene	100-41-4	1.7 U, D	1.7	10	5	ug/L
Iodomethane	74-88-4	2.3 U, D	2.3	20	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	2.1 U, D	2.1	20	NE	ug/L
Methylene chloride	75-09-2	0.88 U, D	0.88	20	5.5	ug/L
o-Xylene	95-47-6	1.4 U, D	1.4	10	NE	ug/L
Styrene	100-42-5	1.2 U, D	1.2	10	10	ug/L
Tetrachloroethene	127-18-4	2.5 U, D	2.5	10	3	ug/L

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ANALYTICAL REPORT

Sample ID:	Duplicate	Project:	Edgecombe County Landfill - App I
Lab #:	C700720-10	Work Order #:	C700720
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/04/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	10
Anal. Batch:			
QC Batch:	7B02002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
Toluene	108-88-3	1.5 U, D	1.5	10	5	ug/L
trans-1,2-Dichloroethene	156-60-5	**5.0** J, D	1.0	10	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	1.8 U, D	1.8	2.0	5.5	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	6.0 U, D	6.0	10	100	ug/L
Trichloroethene	79-01-6	**3.4** J, D	2.3	10	3	ug/L
Trichlorofluoromethane	75-69-4	1.6 U, D	1.6	10	5	ug/L
Vinyl acetate	108-05-4	1.9 U, D	1.9	20	50	ug/L
Vinyl chloride	75-01-4	**46** D	1.5	10	5.5	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	54	50.0	109 %	66.9-124.7
Dibromofluoromethane	1868-53-7	48	50.0	97 %	68.8-111.3
Toluene-d8	2037-26-5	55	50.0	109 %	87.3-120.3

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ANALYTICAL REPORT

Sample ID:	Duplicate	Project:	Edgecombe County Landfill - App I
Lab #:	C700720-10	Work Order #:	C700720
		Matrix:	Ground Water

Metals by EPA 6000/7000 Series Methods

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units	Analysis Method	Prep Method	Analytical Batch
Antimony	7440-36-0	0.58 U	0.58	2.00	6	ug/L	EPA 6020	EPA 200.8	7B01027
Arsenic	7440-38-2	**5.6 J**	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Barium	7440-39-3	**221**	0.20	10.0	100	ug/L	EPA 6010B	EPA 3005A	7B02020
Beryllium	7440-41-7	0.70 U	0.70	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B02020
Cadmium	7440-43-9	0.50 U	0.50	1.00	1	ug/L	EPA 6010B	EPA 3005A	7B02020
Chromium	7440-47-3	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Cobalt	7440-48-4	**78.2**	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Copper	7440-50-8	0.60 U	0.60	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Lead	7439-92-1	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Nickel	7440-02-0	**22.5**	2.0	10.0	50	ug/L	EPA 6010B	EPA 3005A	7B02020
Selenium	7782-49-2	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Silver	7440-22-4	2.0 U	2.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020
Thallium	7440-28-0	**0.239**	0.044	0.050	5.5	ug/L	EPA 6020	EPA 200.8	7B01027
Vanadium	7440-62-2	1.0 U	1.0	10.0	25	ug/L	EPA 6010B	EPA 3005A	7B02020
Zinc	7440-66-6	**19.4**	1.0	10.0	10	ug/L	EPA 6010B	EPA 3005A	7B02020

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ANALYTICAL REPORT

Sample ID:	Trip Blank	Project:	Edgecombe County Landfill - App I
Lab #:	C700720-11	Work Order #:	C700720
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/03/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B02002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
1,1,1,2-Tetrachloroethane	630-20-6	0.16 U	0.16	1.0	5	ug/L
1,1,1-Trichloroethane	71-55-6	0.24 U	0.24	1.0	5	ug/L
1,1,2,2-Tetrachloroethane	79-34-5	0.27 U	0.27	1.0	3	ug/L
1,1,2-Trichloroethane	79-00-5	0.24 U	0.24	1.0	5	ug/L
1,1-Dichloroethane	75-34-3	0.090 U	0.090	1.0	5	ug/L
1,1-Dichloroethene	75-35-4	0.14 U	0.14	1.0	5	ug/L
1,2,3-Trichloropropane	96-18-4	0.32 U	0.32	1.0	8	ug/L
1,2-Dibromo-3-chloropropane	96-12-8	0.19 U	0.19	1.0	13	ug/L
1,2-Dibromoethane	106-93-4	0.19 U	0.19	1.0	3	ug/L
1,2-Dichlorobenzene	95-50-1	0.17 U	0.17	1.0	5	ug/L
1,2-Dichloroethane	107-06-2	0.36 U	0.36	1.0	3	ug/L
1,2-Dichloropropane	78-87-5	0.18 U	0.18	1.0	3	ug/L
1,4-Dichlorobenzene	106-46-7	0.15 U	0.15	1.0	3	ug/L
2-Butanone	78-93-3	0.56 U	0.56	5.0	100	ug/L
2-Hexanone	591-78-6	0.24 U	0.24	5.0	50	ug/L
4-Methyl-2-pentanone	108-10-1	0.36 U	0.36	5.0	100	ug/L
Acetone	67-64-1	0.90 U	0.90	5.0	100	ug/L
Acrylonitrile	107-13-1	2.0 U	2.0	5.0	200	ug/L
Benzene	71-43-2	0.12 U	0.12	1.0	3	ug/L
Bromochloromethane	74-97-5	0.19 U	0.19	1.0	3	ug/L
Bromodichloromethane	75-27-4	0.19 U	0.19	0.40	3	ug/L
Bromoform	75-25-2	0.36 U	0.36	1.0	3	ug/L
Bromomethane	74-83-9	0.21 U	0.21	1.0	10	ug/L
Carbon disulfide	75-15-0	0.12 U	0.12	5.0	100	ug/L
Carbon tetrachloride	56-23-5	0.38 U	0.38	1.0	5.5	ug/L
Chlorobenzene	108-90-7	0.16 U	0.16	1.0	3	ug/L
Chloroethane	75-00-3	0.40 U	0.40	1.0	10	ug/L
Chloroform	67-66-3	0.16 U	0.16	1.0	5	ug/L
Chloromethane	74-87-3	0.18 U	0.18	1.0	5.5	ug/L
cis-1,2-Dichloroethene	156-59-2	0.14 U	0.14	1.0	5	ug/L
cis-1,3-Dichloropropene	10061-01-5	0.16 U	0.16	0.20	5.5	ug/L
Dibromochloromethane	124-48-1	0.18 U	0.18	1.0	3	ug/L
Dibromomethane	74-95-3	0.14 U	0.14	1.0	10	ug/L
Ethylbenzene	100-41-4	0.17 U	0.17	1.0	5	ug/L
Iodomethane	74-88-4	0.23 U	0.23	2.0	10	ug/L
m,p-Xylenes	108-38-3/106-42-3	0.21 U	0.21	2.0	NE	ug/L
Methylene chloride	75-09-2	0.088 U	0.088	2.0	5.5	ug/L
o-Xylene	95-47-6	0.14 U	0.14	1.0	NE	ug/L
Styrene	100-42-5	0.12 U	0.12	1.0	10	ug/L
Tetrachloroethene	127-18-4	0.25 U	0.25	1.0	3	ug/L

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ANALYTICAL REPORT

Sample ID:	Trip Blank	Project:	Edgecombe County Landfill - App I
Lab #:	C700720-11	Work Order #:	C700720
Prep. Method:	EPA 5030B_MS	Matrix:	Ground Water
Analyzed:	02/03/07 By: spf	Unit:	ug/L
Anal. Method:	EPA 8260B	Dilution Factor:	1
Anal. Batch:			
QC Batch:	7B02002		

Volatile Organic Compounds by GCMS

Parameter	CAS Number	Analytical Results	MDL	MRL	NC SWS RL	Units
Toluene	108-88-3	0.15 U	0.15	1.0	5	ug/L
trans-1,2-Dichloroethene	156-60-5	0.10 U	0.10	1.0	5	ug/L
trans-1,3-Dichloropropene	10061-02-6	0.18 U	0.18	0.20	5.5	ug/L
trans-1,4-Dichloro-2-butene	110-57-6	0.60 U	0.60	1.0	100	ug/L
Trichloroethene	79-01-6	0.23 U	0.23	1.0	3	ug/L
Trichlorofluoromethane	75-69-4	0.16 U	0.16	1.0	5	ug/L
Vinyl acetate	108-05-4	0.19 U	0.19	2.0	50	ug/L
Vinyl chloride	75-01-4	0.15 U	0.15	1.0	5.5	ug/L

Surrogate Recovery		Result	Spike Level	% Recovery	% Recovery Limits
4-Bromofluorobenzene	460-00-4	52	50.0	103 %	66.9-124.7
Dibromofluoromethane	1868-53-7	52	50.0	104 %	68.8-111.3
Toluene-d8	2037-26-5	56	50.0	112 %	87.3-120.3

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QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes

Volatile Organic Compounds by GCMS - Quality Control

Batch 7B02002 - EPA 5030B_MS

Blank (7B02002-BLK1) Prepared: 02/02/2007 07:55 Analyzed: 02/03/2007 11:53

Acetone	0.90 U	5.0	ug/L
Acrylonitrile	2.0 U	5.0	ug/L
Benzene	0.12 U	1.0	ug/L
2-Butanone	0.56 U	5.0	ug/L
2-Hexanone	0.24 U	5.0	ug/L
Iodomethane	0.23 U	2.0	ug/L
Tetrachloroethene	0.25 U	1.0	ug/L
4-Methyl-2-pentanone	0.36 U	5.0	ug/L
Bromochloromethane	0.19 U	1.0	ug/L
Trichloroethene	0.23 U	1.0	ug/L
Bromodichloromethane	0.19 U	0.40	ug/L
Bromoform	0.36 U	1.0	ug/L
Bromomethane	0.21 U	1.0	ug/L
Carbon disulfide	0.12 U	5.0	ug/L
Carbon tetrachloride	0.38 U	1.0	ug/L
Chlorobenzene	0.16 U	1.0	ug/L
Chloroethane	0.40 U	1.0	ug/L
Chloroform	0.16 U	1.0	ug/L
Chloromethane	0.18 U	1.0	ug/L
Dibromochloromethane	0.18 U	1.0	ug/L
1,2-Dibromo-3-chloropropane	0.19 U	1.0	ug/L
1,2-Dibromoethane	0.19 U	1.0	ug/L
Dibromomethane	0.14 U	1.0	ug/L
1,2-Dichlorobenzene	0.17 U	1.0	ug/L
1,4-Dichlorobenzene	0.15 U	1.0	ug/L
trans-1,4-Dichloro-2-butene	0.60 U	1.0	ug/L
1,1-Dichloroethane	0.090 U	1.0	ug/L
1,2-Dichloroethane	0.36 U	1.0	ug/L
1,1-Dichloroethene	0.14 U	1.0	ug/L
cis-1,2-Dichloroethene	0.14 U	1.0	ug/L
trans-1,2-Dichloroethene	0.10 U	1.0	ug/L
1,2-Dichloropropane	0.18 U	1.0	ug/L
cis-1,3-Dichloropropene	0.16 U	0.20	ug/L
trans-1,3-Dichloropropene	0.18 U	0.20	ug/L
Ethylbenzene	0.17 U	1.0	ug/L
Methylene chloride	0.088 U	2.0	ug/L
Styrene	0.12 U	1.0	ug/L
1,1,1,2-Tetrachloroethane	0.16 U	1.0	ug/L
1,1,2,2-Tetrachloroethane	0.27 U	1.0	ug/L
Toluene	0.15 U	1.0	ug/L
1,1,1-Trichloroethane	0.24 U	1.0	ug/L
1,1,2-Trichloroethane	0.24 U	1.0	ug/L
Trichlorofluoromethane	0.16 U	1.0	ug/L
1,2,3-Trichloropropane	0.32 U	1.0	ug/L
Vinyl acetate	0.19 U	2.0	ug/L

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Volatile Organic Compounds by GCMS - Quality Control										
Batch 7B02002 - EPA 5030B_MS										
Blank (7B02002-BLK1) Continued				Prepared: 02/02/2007 07:55 Analyzed: 02/03/2007 11:53						
Vinyl chloride	0.15 U	1.0	ug/L							
m,p-Xylenes	0.21 U	2.0	ug/L							
o-Xylene	0.14 U	1.0	ug/L							
Blank (7B02002-BLK2)				Prepared: 02/02/2007 07:55 Analyzed: 02/04/2007 10:46						
Acetone	0.90 U	5.0	ug/L							
Acrylonitrile	2.0 U	5.0	ug/L							
Benzene	0.12 U	1.0	ug/L							
2-Butanone	0.56 U	5.0	ug/L							
2-Hexanone	0.24 U	5.0	ug/L							
Iodomethane	0.23 U	2.0	ug/L							
Tetrachloroethene	0.25 U	1.0	ug/L							
4-Methyl-2-pentanone	0.36 U	5.0	ug/L							
Bromochloromethane	0.19 U	1.0	ug/L							
Trichloroethene	0.23 U	1.0	ug/L							
Bromodichloromethane	0.19 U	0.40	ug/L							
Bromoform	0.36 U	1.0	ug/L							
Bromomethane	0.21 U	1.0	ug/L							
Carbon disulfide	0.12 U	5.0	ug/L							
Carbon tetrachloride	0.38 U	1.0	ug/L							
Chlorobenzene	0.16 U	1.0	ug/L							
Chloroethane	0.40 U	1.0	ug/L							
Chloroform	0.16 U	1.0	ug/L							
Chloromethane	0.18 U	1.0	ug/L							
Dibromochloromethane	0.18 U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.19 U	1.0	ug/L							
1,2-Dibromoethane	0.19 U	1.0	ug/L							
Dibromomethane	0.14 U	1.0	ug/L							
1,2-Dichlorobenzene	0.17 U	1.0	ug/L							
1,4-Dichlorobenzene	0.15 U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.60 U	1.0	ug/L							
1,1-Dichloroethane	0.090 U	1.0	ug/L							
1,2-Dichloroethane	0.36 U	1.0	ug/L							
1,1-Dichloroethene	0.14 U	1.0	ug/L							
cis-1,2-Dichloroethene	0.14 U	1.0	ug/L							
trans-1,2-Dichloroethene	0.10 U	1.0	ug/L							
1,2-Dichloropropane	0.18 U	1.0	ug/L							
cis-1,3-Dichloropropene	0.16 U	0.20	ug/L							
trans-1,3-Dichloropropene	0.18 U	0.20	ug/L							
Ethylbenzene	0.17 U	1.0	ug/L							
Methylene chloride	0.088 U	2.0	ug/L							
Styrene	0.12 U	1.0	ug/L							
1,1,1,2-Tetrachloroethane	0.16 U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.27 U	1.0	ug/L							
Toluene	0.15 U	1.0	ug/L							
1,1,1-Trichloroethane	0.24 U	1.0	ug/L							

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QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Volatile Organic Compounds by GCMS - Quality Control										
Batch 7B02002 - EPA 5030B_MS										
Blank (7B02002-BLK2) Continued				Prepared: 02/02/2007 07:55 Analyzed: 02/04/2007 10:46						
1,1,2-Trichloroethane	0.24 U	1.0	ug/L							
Trichlorofluoromethane	0.16 U	1.0	ug/L							
1,2,3-Trichloropropane	0.32 U	1.0	ug/L							
Vinyl acetate	0.19 U	2.0	ug/L							
Vinyl chloride	0.15 U	1.0	ug/L							
m,p-Xylenes	0.21 U	2.0	ug/L							
o-Xylene	0.14 U	1.0	ug/L							
LCS (7B02002-BS1)				Prepared: 02/02/2007 07:55 Analyzed: 02/03/2007 10:36						
Benzene	15	1.0	ug/L	15.0		103	75.7-115.5			
Trichloroethene	13	1.0	ug/L	15.0		90	80.9-117.6			
Chlorobenzene	14	1.0	ug/L	15.0		93	75.2-115			
1,1-Dichloroethene	14	1.0	ug/L	15.0		92	57.1-141.1			
Toluene	14	1.0	ug/L	15.0		95	76.7-120			
Matrix Spike (7B02002-MS1)		**Source: C701212-05**		Prepared: 02/02/2007 07:55 Analyzed: 02/03/2007 10:10						
Benzene	20	1.0	ug/L	20.0	0.12 U	100	75.7-115.5			
Trichloroethene	17	1.0	ug/L	20.0	0.23 U	83	80.9-117.6			
Chlorobenzene	17	1.0	ug/L	20.0	0.16 U	86	75.2-115			
1,1-Dichloroethene	20	1.0	ug/L	20.0	0.14 U	98	57.1-141.1			
Toluene	18	1.0	ug/L	20.0	0.15 U	92	76.7-120			
Matrix Spike Dup (7B02002-MSD1)		**Source: C701212-05**		Prepared: 02/02/2007 07:55 Analyzed: 02/03/2007 11:01						
Benzene	22	1.0	ug/L	20.0	0.12 U	109	75.7-115.5	8	14.2	
Trichloroethene	19 QR-02	1.0	ug/L	20.0	0.23 U	95	80.9-117.6	13	10.6	QR-02
Chlorobenzene	20 QR-02	1.0	ug/L	20.0	0.16 U	99	75.2-115	14	11.9	QR-02
1,1-Dichloroethene	21	1.0	ug/L	20.0	0.14 U	106	57.1-141.1	8	12.3	
Toluene	20	1.0	ug/L	20.0	0.15 U	99	76.7-120	7	16.8	
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 7B01026 - EPA 200.8										
Blank (7B01026-BLK1)				Prepared: 02/01/2007 15:47 Analyzed: 02/02/2007 14:27						
Antimony	0.58 U	2.00	ug/L							
Thallium	0.044 U	0.050	ug/L							
LCS (7B01026-BS1)				Prepared: 02/01/2007 15:47 Analyzed: 02/02/2007 14:30						
Antimony	54.7	2.00	ug/L	50.0		109	80-120			
Thallium	51.7	0.050	ug/L	50.0		103	80-120			
Matrix Spike (7B01026-MS1)		**Source: C605137-01**		Prepared: 02/01/2007 15:47 Analyzed: 02/02/2007 14:35						
Antimony	53.8	2.00	ug/L	50.0	0.58 U	108	70-130			
Thallium	50.8	0.050	ug/L	50.0	0.044 U	102	70-130			
Matrix Spike Dup (7B01026-MSD1)		**Source: C605137-01**		Prepared: 02/01/2007 15:47 Analyzed: 02/02/2007 14:37						
Antimony	52.5	2.00	ug/L	50.0	0.58 U	105	70-130	2	20	
Thallium	49.4	0.050	ug/L	50.0	0.044 U	99	70-130	3	20	
Batch 7B01027 - EPA 200.8										
Blank (7B01027-BLK1)				Prepared: 02/01/2007 15:52 Analyzed: 02/02/2007 15:47						
Antimony	0.58 U	2.00	ug/L							

QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 7B01027 - EPA 200.8										
Blank (7B01027-BLK1) Continued				Prepared: 02/01/2007 15:52 Analyzed: 02/02/2007 15:47						
Thallium	0.044 U	0.050	ug/L							
LCS (7B01027-BS1)				Prepared: 02/01/2007 15:52 Analyzed: 02/02/2007 16:02						
Antimony	54.5	2.00	ug/L	50.0		109	80-120			
Thallium	51.4	0.050	ug/L	50.0		103	80-120			
Matrix Spike (7B01027-MS1)		**Source: C701019-01**		Prepared: 02/01/2007 15:52 Analyzed: 02/02/2007 16:07						
Antimony	56.3	2.00	ug/L	50.0	0.72	111	70-130			
Thallium	47.5	0.050	ug/L	50.0	0.044 U	95	70-130			
Matrix Spike Dup (7B01027-MSD1)		**Source: C701019-01**		Prepared: 02/01/2007 15:52 Analyzed: 02/02/2007 16:10						
Antimony	55.7	2.00	ug/L	50.0	0.72	110	70-130	1	20	
Thallium	45.1	0.050	ug/L	50.0	0.044 U	90	70-130	5	20	
Batch 7B02020 - EPA 3005A										
Blank (7B02020-BLK1)				Prepared: 02/02/2007 14:12 Analyzed: 02/08/2007 14:14						
Arsenic	2.0 U	10.0	ug/L							
Barium	0.20 U	10.0	ug/L							
Beryllium	0.70 U	1.00	ug/L							
Cadmium	0.50 U	1.00	ug/L							
Chromium	2.0 U	10.0	ug/L							
Cobalt	2.0 U	10.0	ug/L							
Copper	0.60 U	10.0	ug/L							
Lead	2.0 U	10.0	ug/L							
Nickel	2.0 U	10.0	ug/L							
Selenium	2.6 J	10.0	ug/L							
Silver	2.0 U	10.0	ug/L							
Vanadium	1.0 U	10.0	ug/L							
Zinc	1.0 U	10.0	ug/L							
LCS (7B02020-BS1)				Prepared: 02/02/2007 14:12 Analyzed: 02/08/2007 14:21						
Arsenic	996	10.0	ug/L	1000		100	82-117			
Barium	988	10.0	ug/L	1000		99	72-125			
Beryllium	510	1.00	ug/L	500		102	75-121			
Cadmium	508	1.00	ug/L	500		102	72-120			
Chromium	979	10.0	ug/L	1000		98	78-119			
Cobalt	975	10.0	ug/L	1000		97	76-117			
Copper	484	10.0	ug/L	500		97	80-117			
Lead	992	10.0	ug/L	1000		99	72-121			
Nickel	1000	10.0	ug/L	1000		100	78-116			
Selenium	1030	10.0	ug/L	1000		103	82-127			
Silver	95.3	10.0	ug/L	100		95	80-128			
Vanadium	481	10.0	ug/L	500		96	78-117			
Zinc	998	10.0	ug/L	1000		100	80-120			
Matrix Spike (7B02020-MS1)		**Source: C605138-04**		Prepared: 02/02/2007 14:12 Analyzed: 02/08/2007 14:39						
Arsenic	968	10.0	ug/L	1000	2.0 U	97	64-126			
Barium	1320	10.0	ug/L	1000	354	96	74-119			
Beryllium	498	1.00	ug/L	500	0.70 U	100	70-131			

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QUALITY CONTROL

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Sanple Notes
Metals by EPA 6000/7000 Series Methods - Quality Control										
Batch 7B02020 - EPA 3005A										
Matrix Spike (7B02020-MS1) Continued		**Source: C605138-04**		Prepared: 02/02/2007 14:12 Analyzed: 02/08/2007 14:39						
Cadmium	490	1.00	ug/L	500	0.50 U	98	68-121			
Chromium	947	10.0	ug/L	1000	2.0 U	95	73-120			
Cobalt	948	10.0	ug/L	1000	5.2	94	76-120			
Copper	482	10.0	ug/L	500	0.60 U	96	75-123			
Lead	961	10.0	ug/L	1000	2.0 U	96	68-126			
Nickel	968	10.0	ug/L	1000	3.0	96	64-126			
Selenium	996	10.0	ug/L	1000	2.0 U	100	65-129			
Silver	92.0	10.0	ug/L	100	2.0 U	92	69-121			
Vanadium	468	10.0	ug/L	500	1.0 U	94	71-130			
Zinc	965	10.0	ug/L	1000	11.8	95	63-131			
Matrix Spike Dup (7B02020-MSD1)		**Source: C605138-04**		Prepared: 02/02/2007 14:12 Analyzed: 02/08/2007 14:47						
Arsenic	972	10.0	ug/L	1000	2.0 U	97	64-126	0.4	12	
Barium	1320	10.0	ug/L	1000	354	96	74-119	0.08	11	
Beryllium	497	1.00	ug/L	500	0.70 U	99	70-131	0.3	21	
Cadmium	491	1.00	ug/L	500	0.50 U	98	68-121	0.2	12	
Chromium	945	10.0	ug/L	1000	2.0 U	94	73-120	0.2	10	
Cobalt	948	10.0	ug/L	1000	5.2	94	76-120	0.06	17	
Copper	479	10.0	ug/L	500	0.60 U	96	75-123	0.5	16	
Lead	948	10.0	ug/L	1000	2.0 U	95	68-126	1	19	
Nickel	974	10.0	ug/L	1000	3.0	97	64-126	0.6	12	
Selenium	984	10.0	ug/L	1000	2.0 U	98	65-129	1	10	
Silver	92.8	10.0	ug/L	100	2.0 U	93	69-121	0.9	12	
Vanadium	468	10.0	ug/L	500	1.0 U	94	71-130	0.1	16	
Zinc	968	10.0	ug/L	1000	11.8	96	63-131	0.2	24	

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NOTES AND DEFINITIONS

D	Data reported from a dilution
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
U	Analyte included in the analysis, but not detected

LABORATORY CERTIFICATION SUMMARY

Analysis	Matrix	Cert ID	Cert Number
8260B Appendix I	Water	NC	591
Antimony Total EPA 6020	Water	NC	591
Arsenic Total EPA 6010B	Water	NC	591
Barium Total EPA 6010B	Water	NC	591
Beryllium Total EPA 6010B	Water	NC	591
Cadmium Total EPA 6010B	Water	NC	591
Chromium Total EPA 6010B	Water	NC	591
Cobalt Total EPA 6010B	Water	NC	591
Copper Total EPA 6010B	Water	NC	591
Lead Total EPA 6010B	Water	NC	591
Nickel Total EPA 6010B	Water	NC	591
Selenium Total EPA 6010B	Water	NC	591
Silver Total EPA 6010B	Water	NC	591
Thallium Total EPA 6020	Water	NC	591
Vanadium Total EPA 6010B	Water	NC	591
Zinc Total EPA 6010B	Water	NC	591

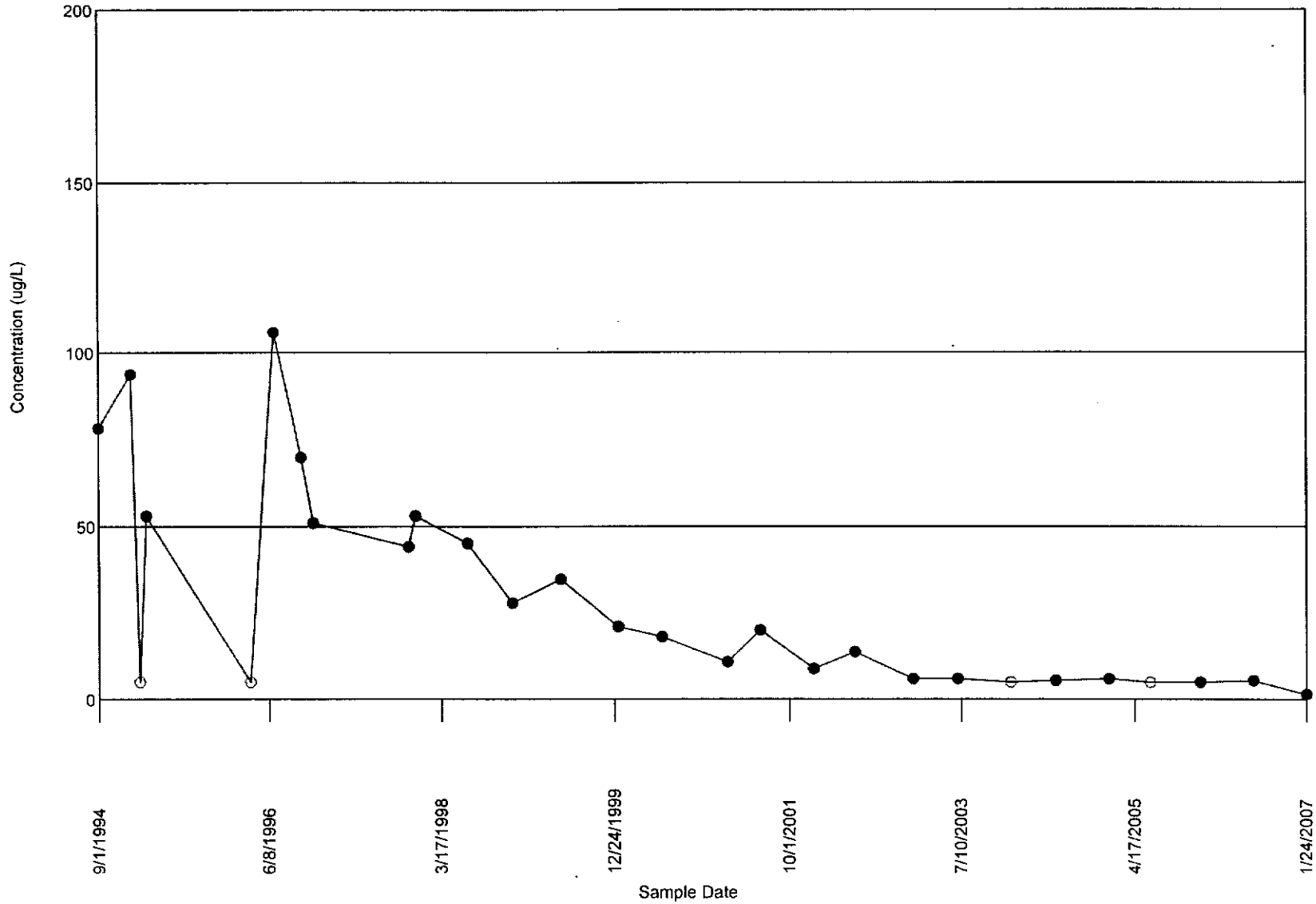
APPENDIX II

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

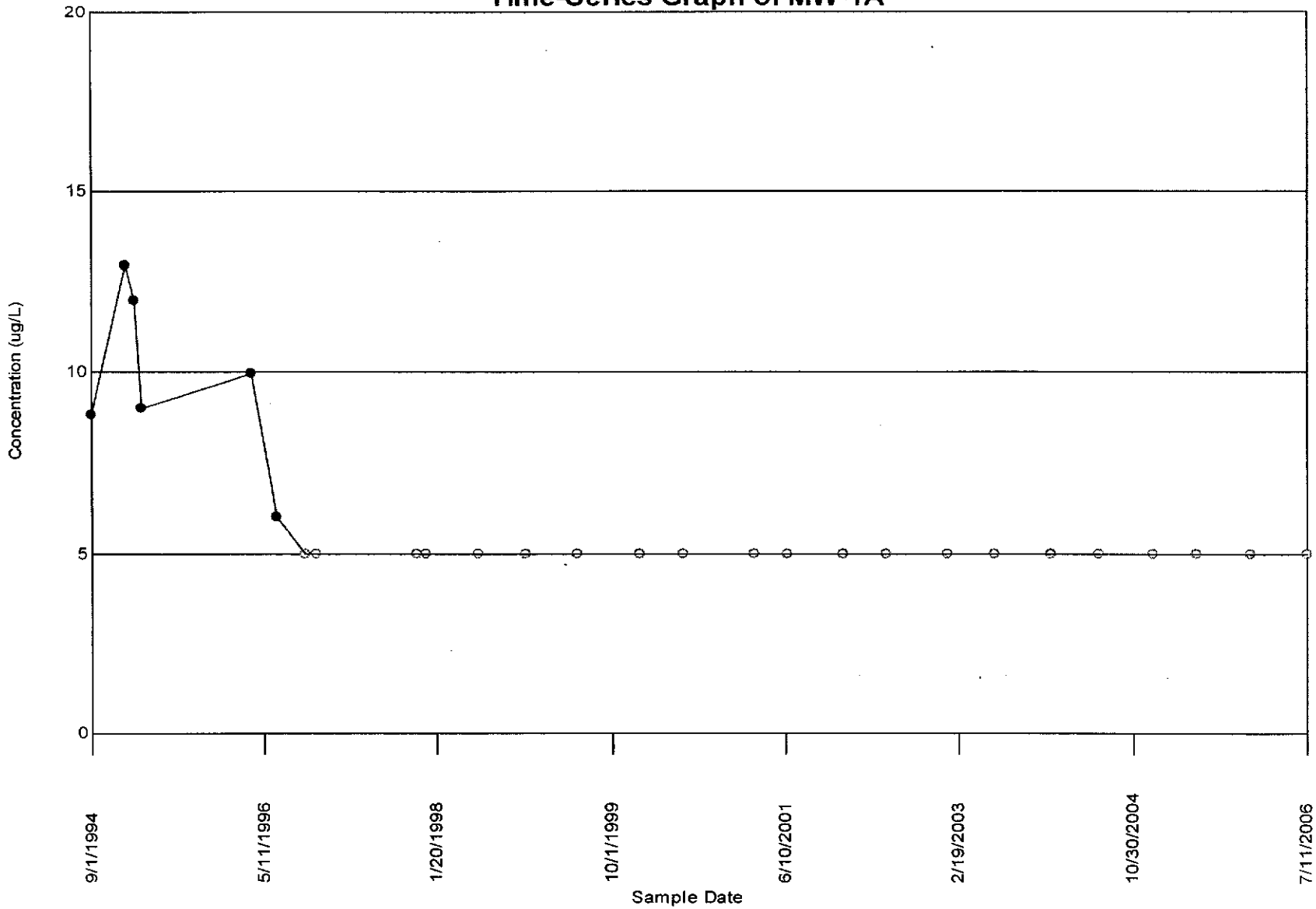
APPENDIX III

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

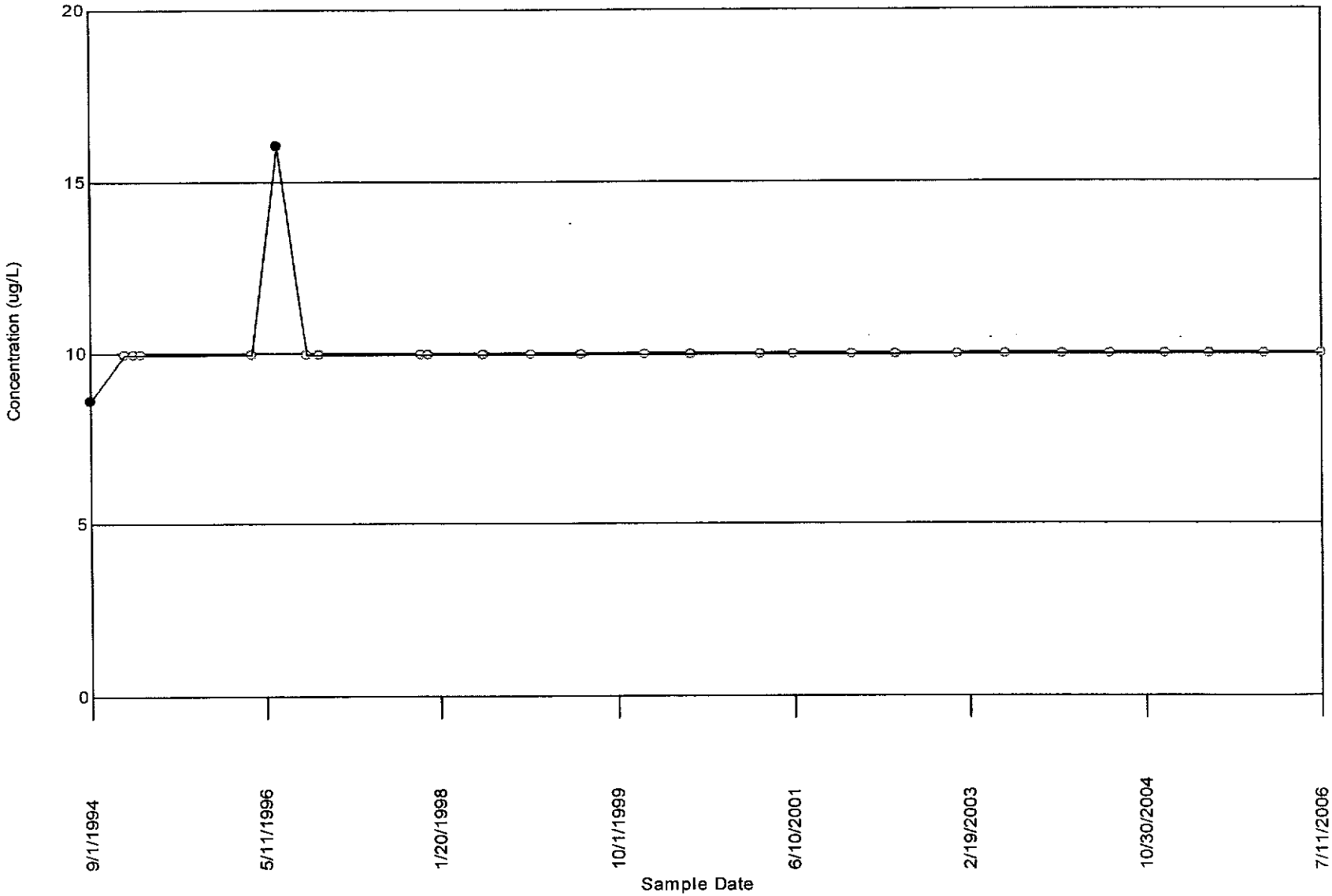
c-1,2-Dichloroethene
Time-Series Graph of MW-1A



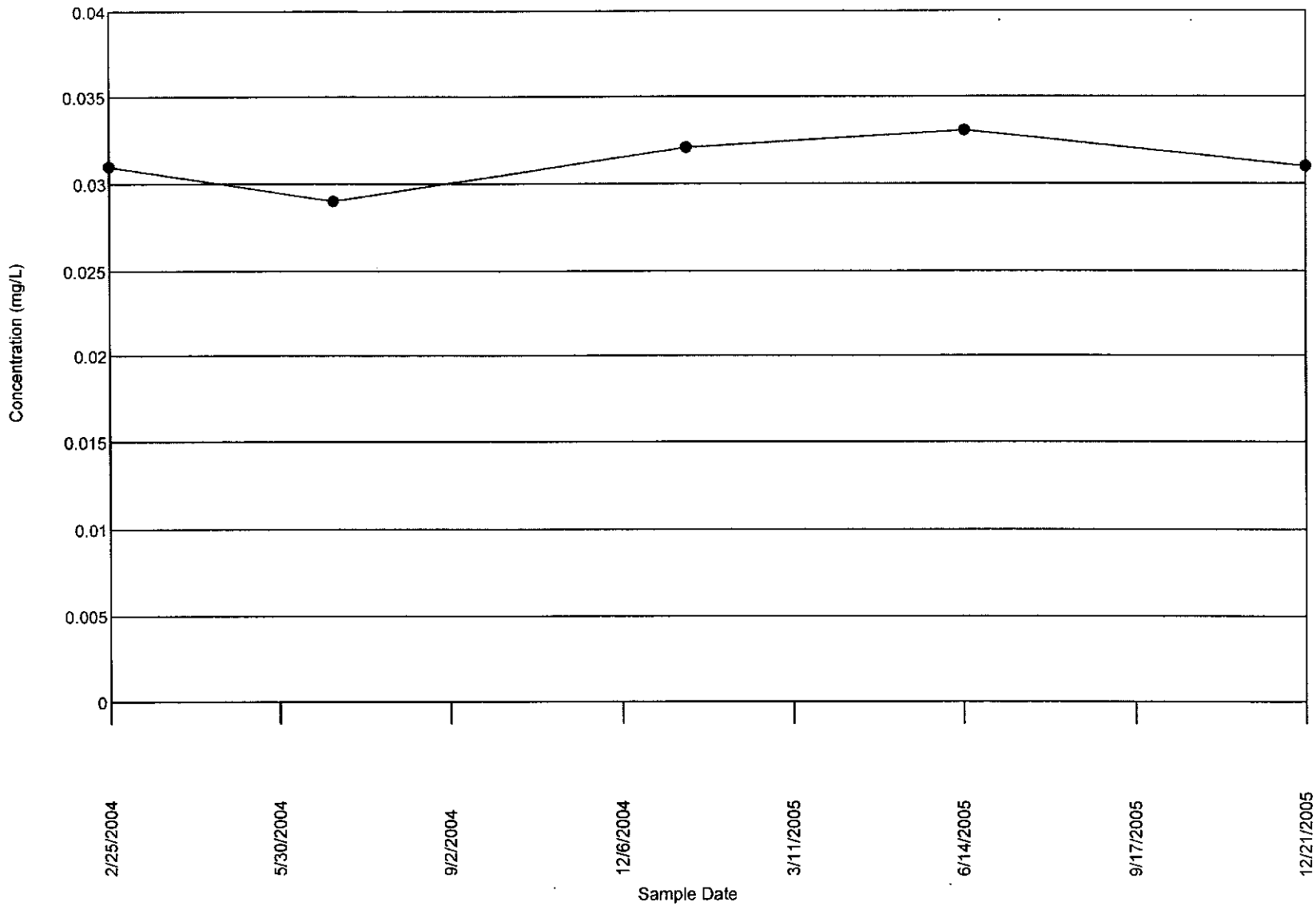
Trichloroethene
Time-Series Graph of MW-1A



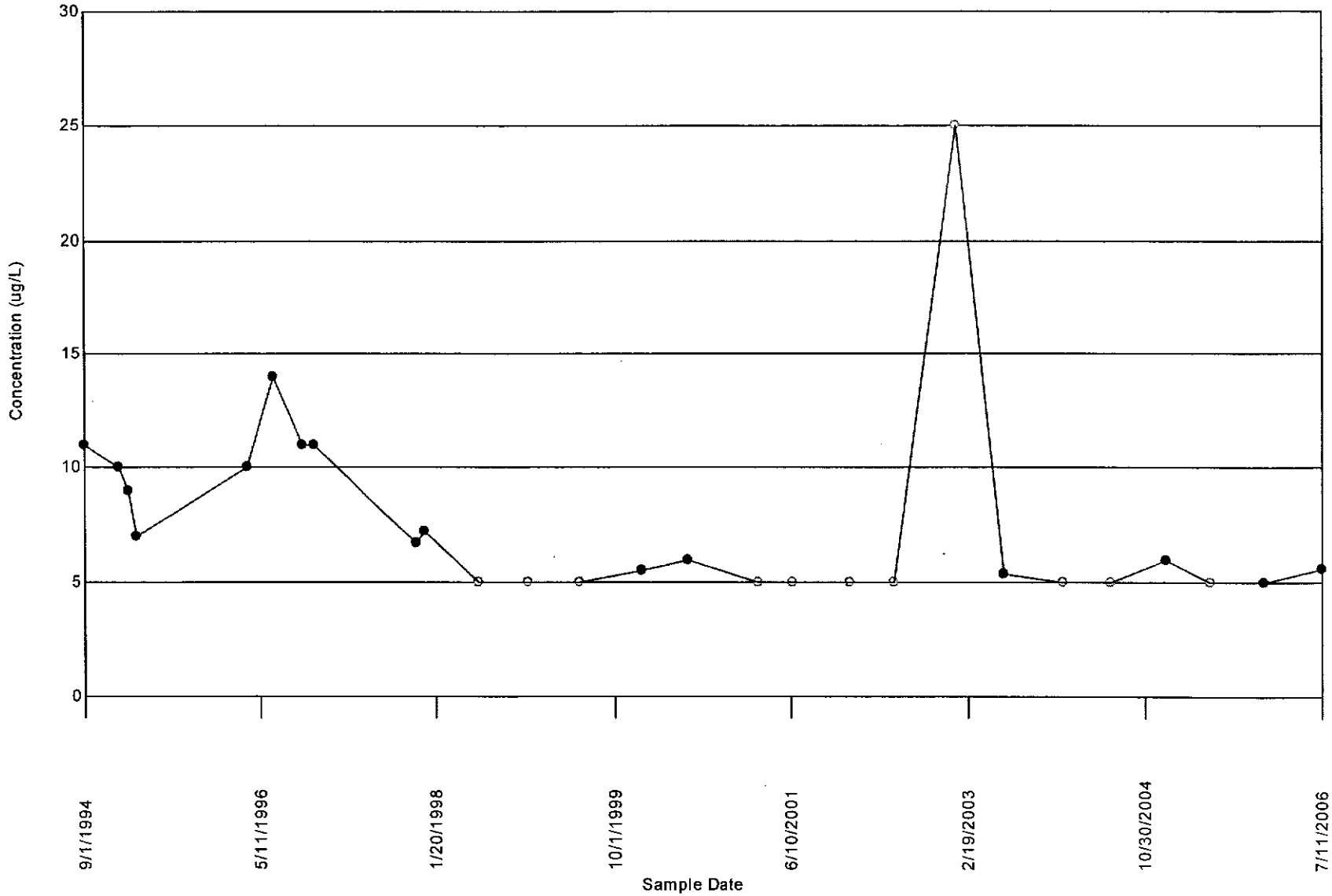
Vinyl Chloride
Time-Series Graph of MW-1A



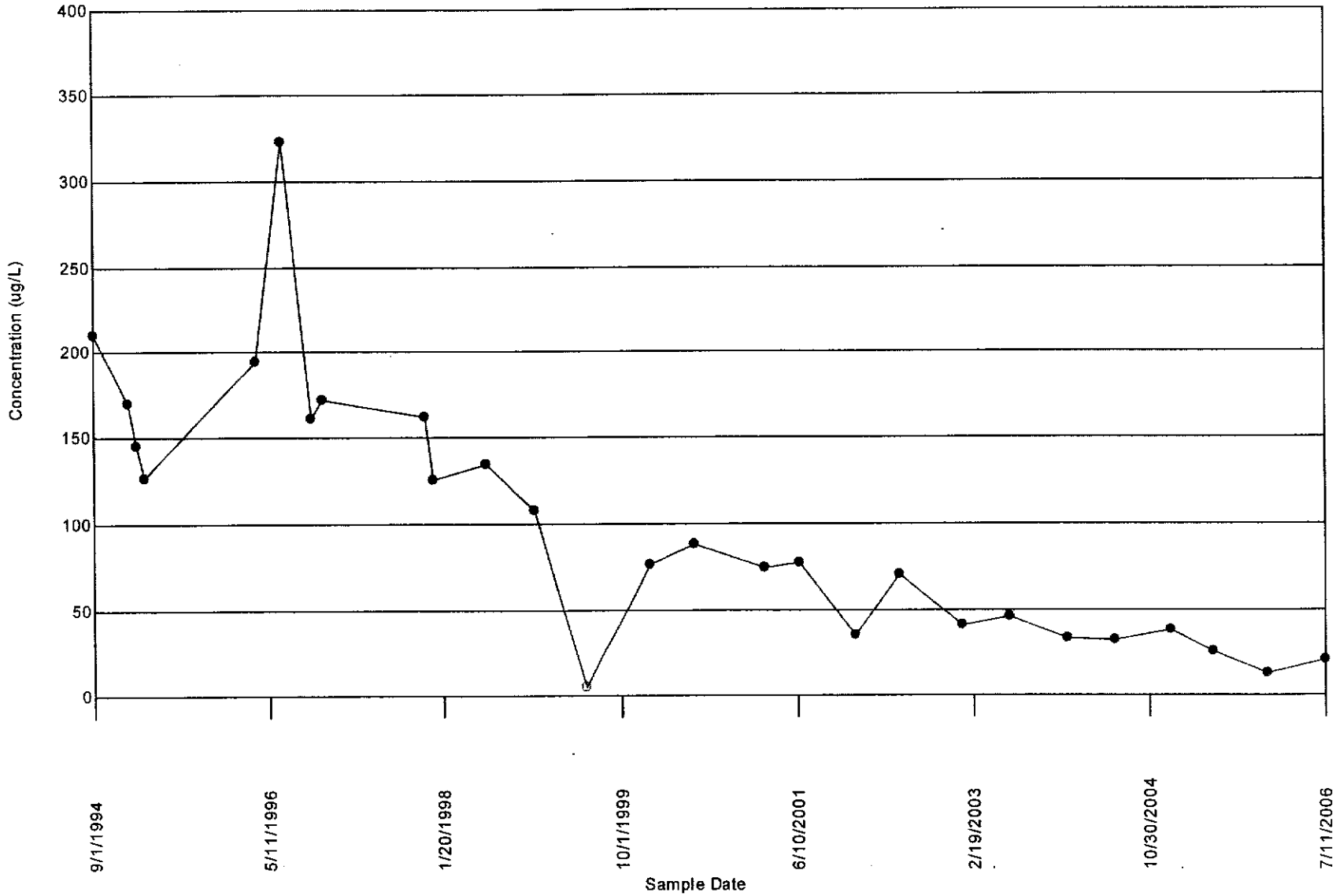
Cobalt
Time-Series Graph of MW-3B



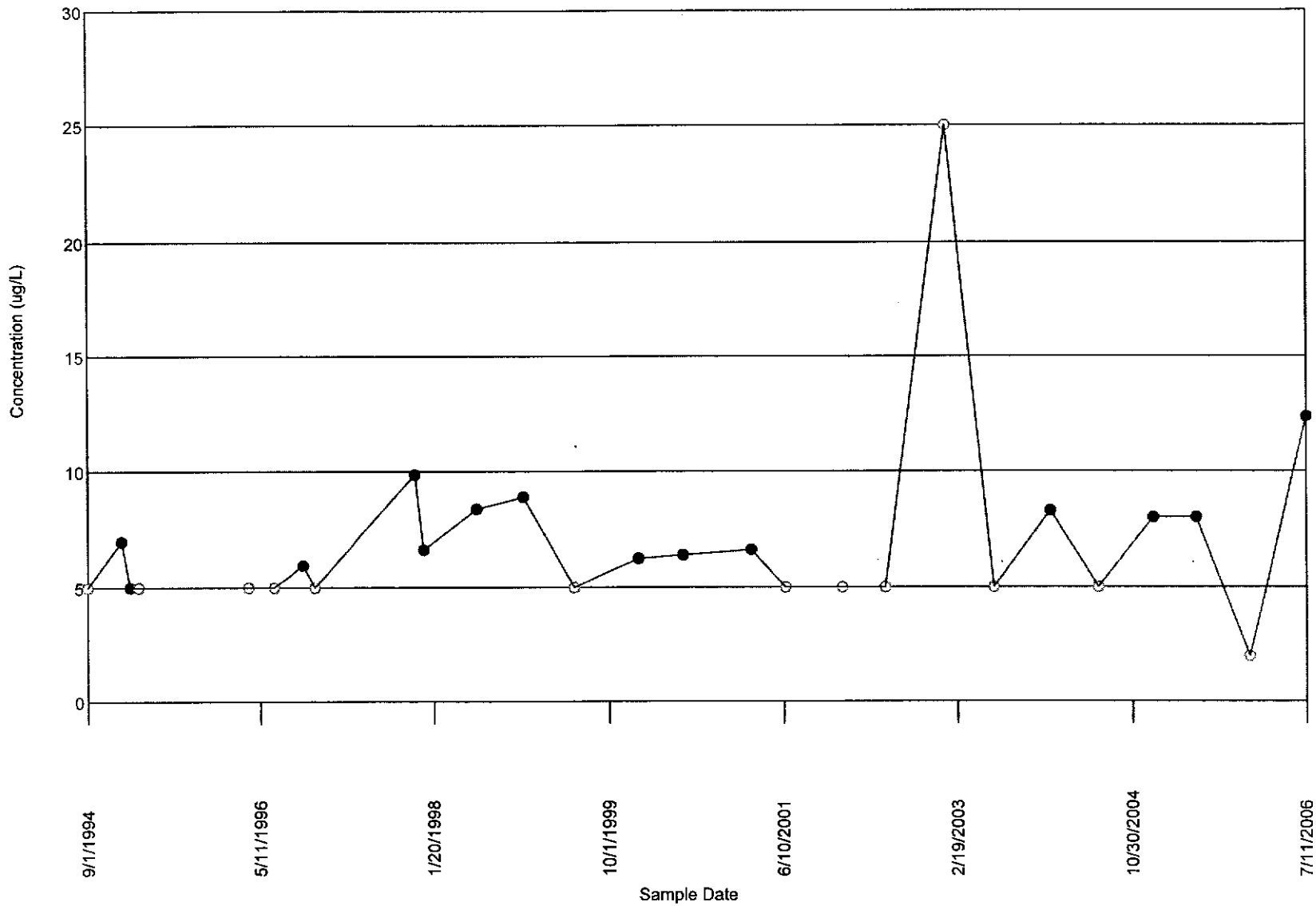
Benzene
Time-Series Graph of MW-5



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

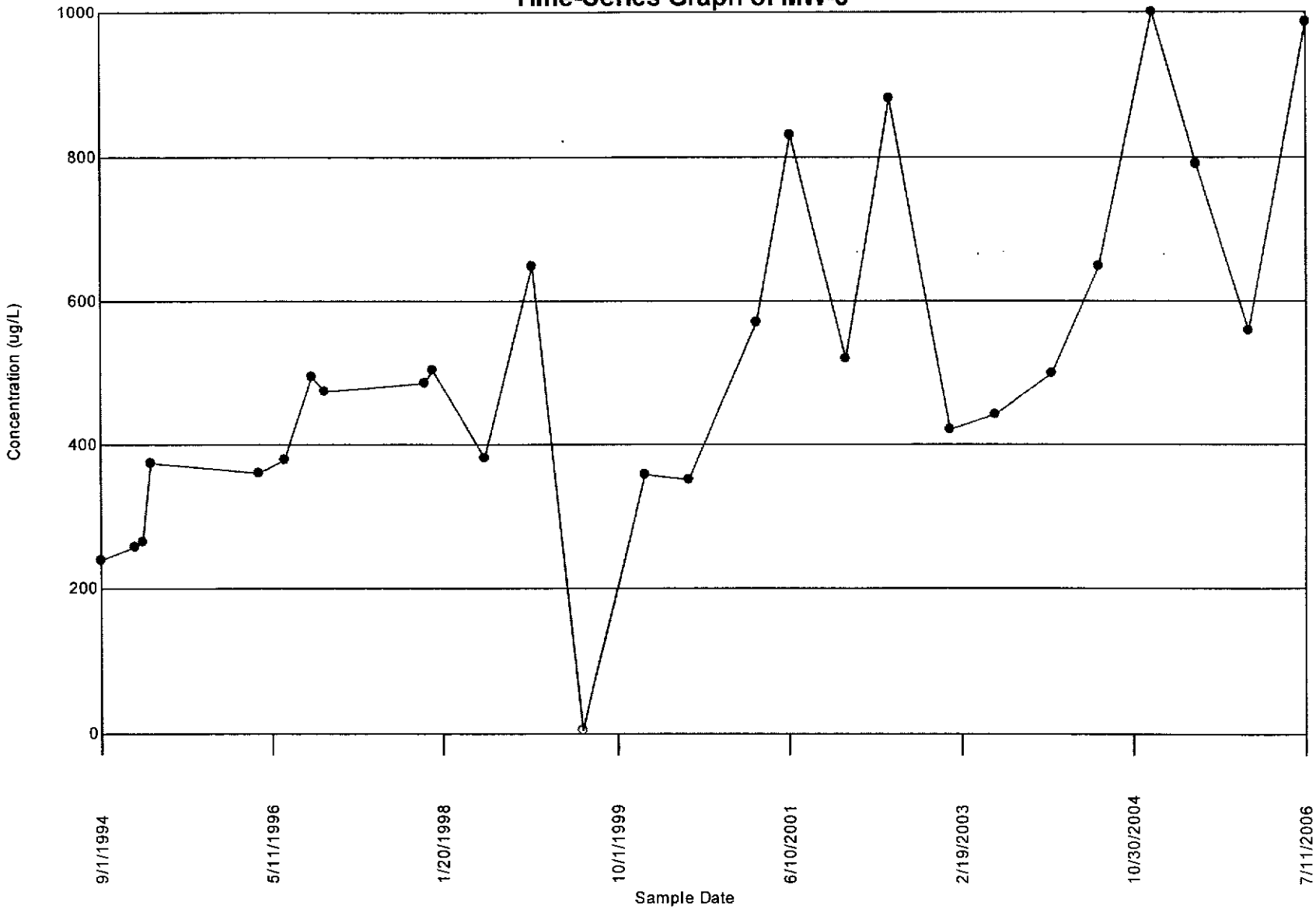


1,4-Dichlorobenzene
Time-Series Graph of MW-5

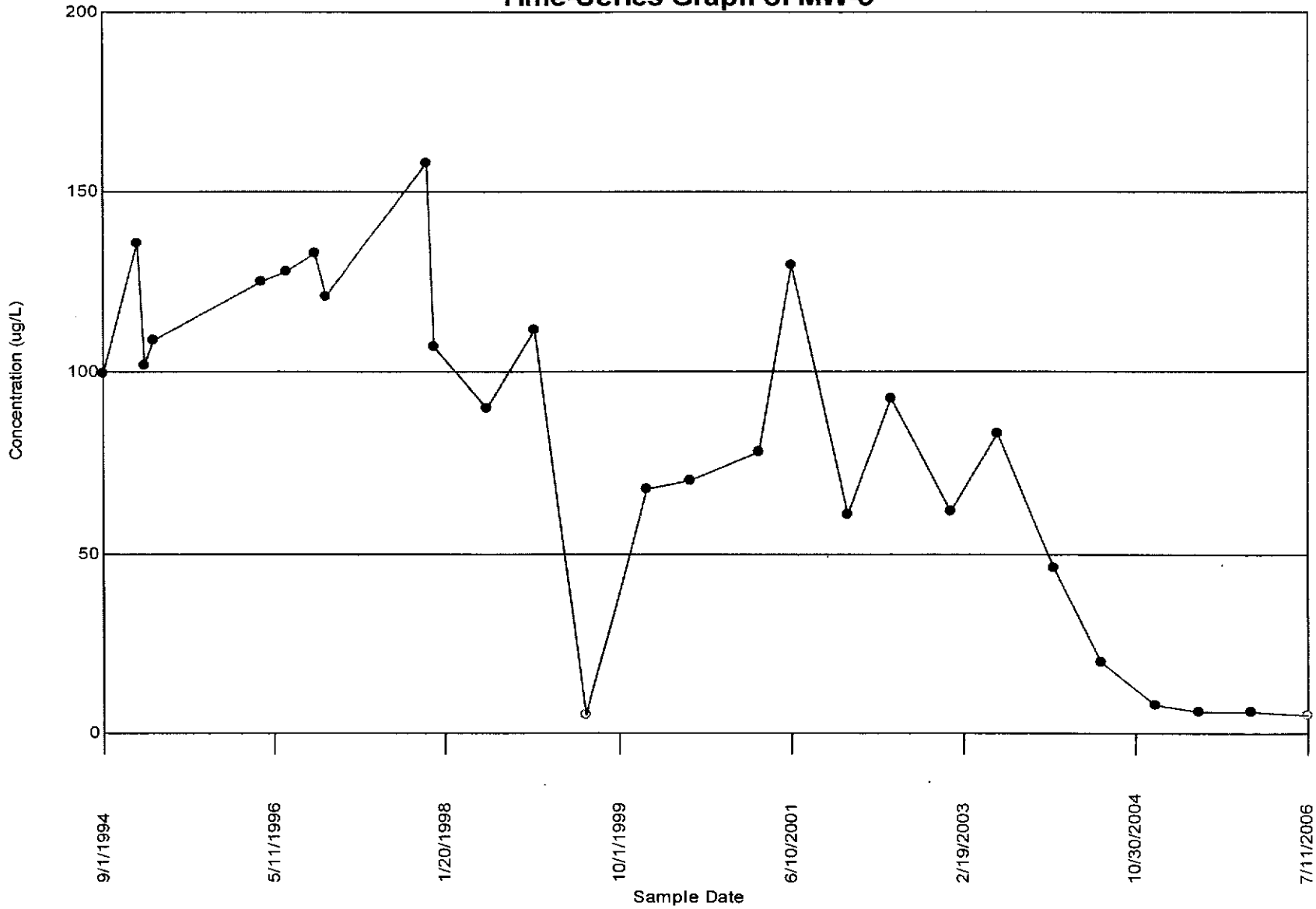


c-1,2-Dichloroethene

Time-Series Graph of MW-5

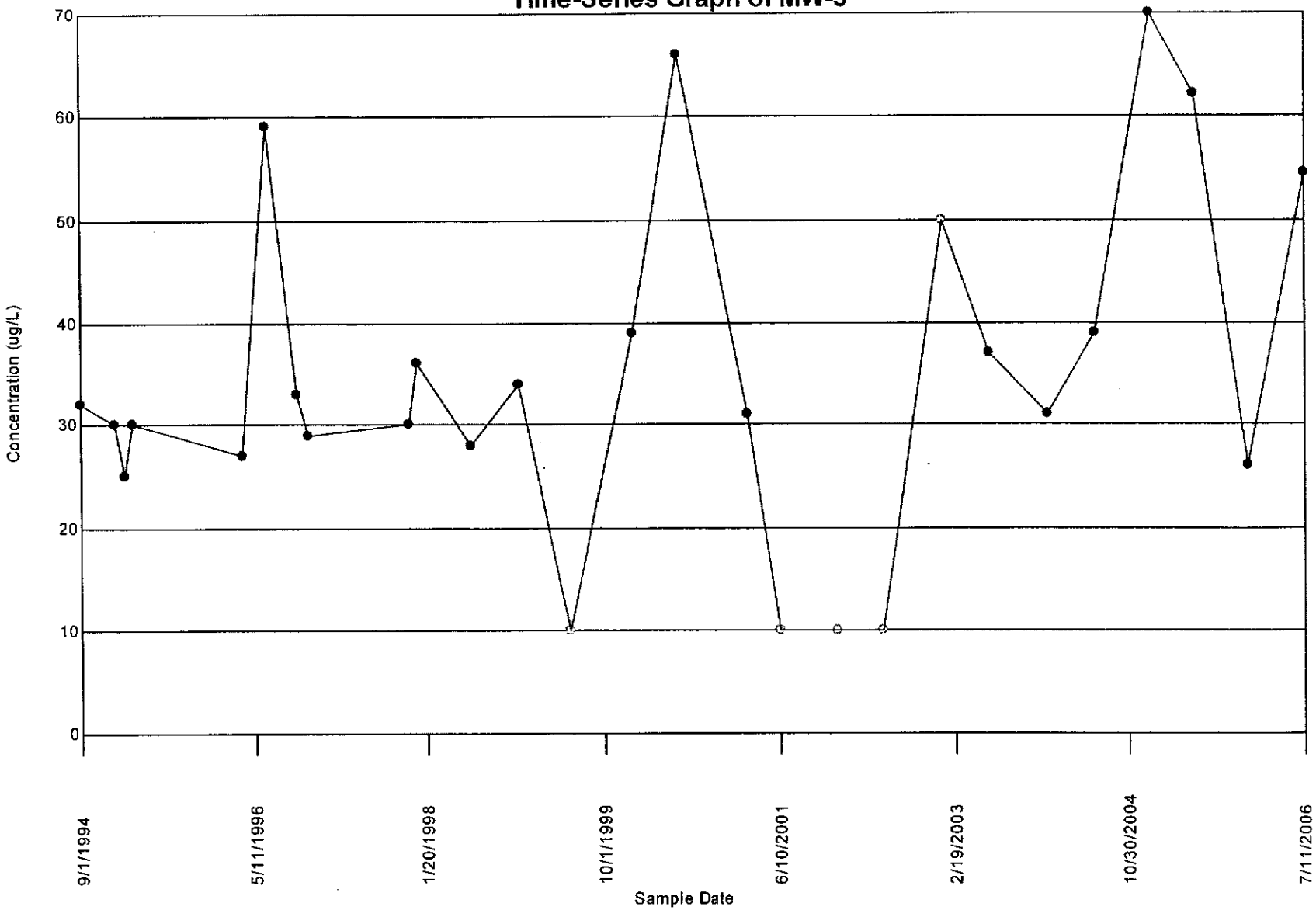


Trichloroethene
Time-Series Graph of MW-5

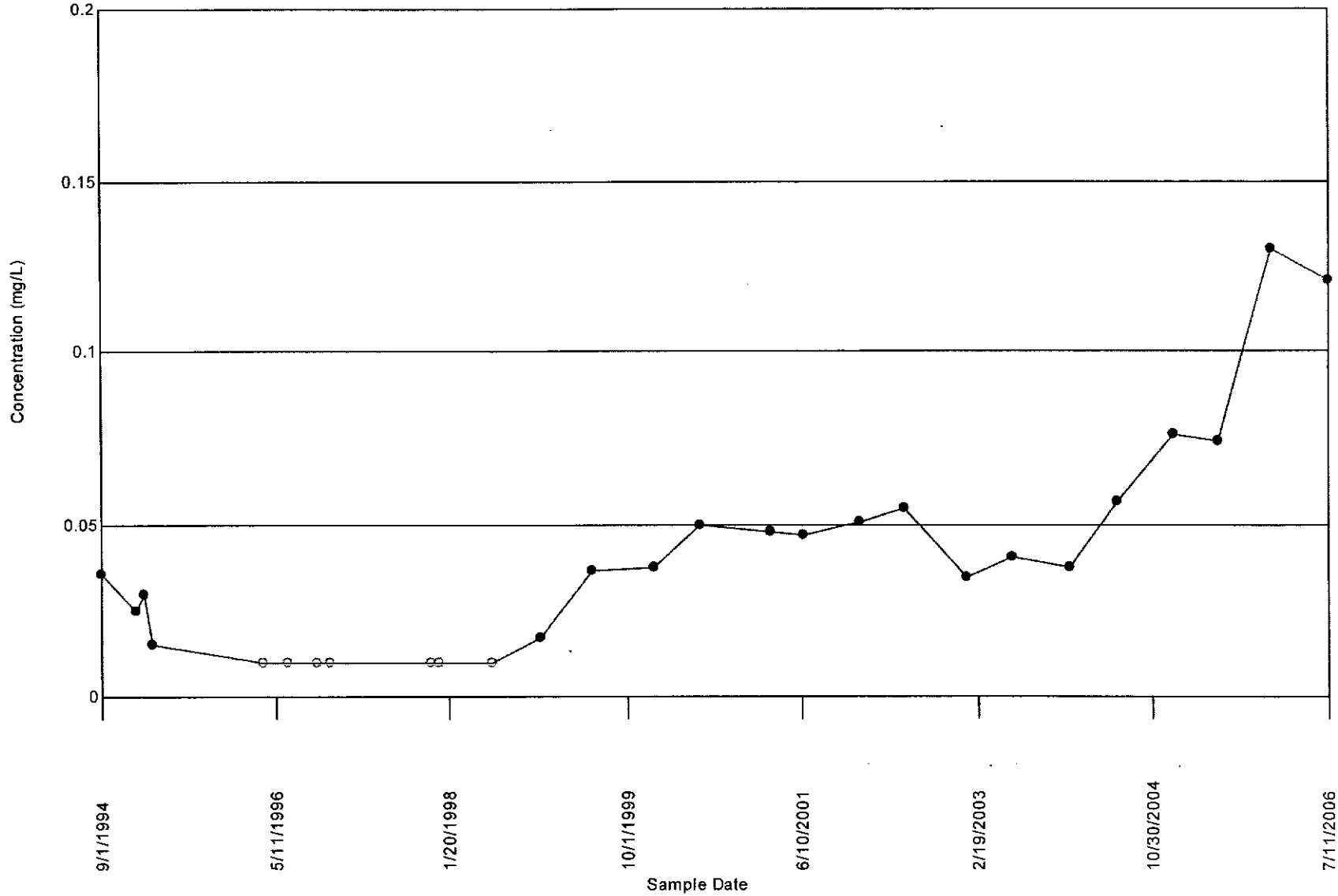


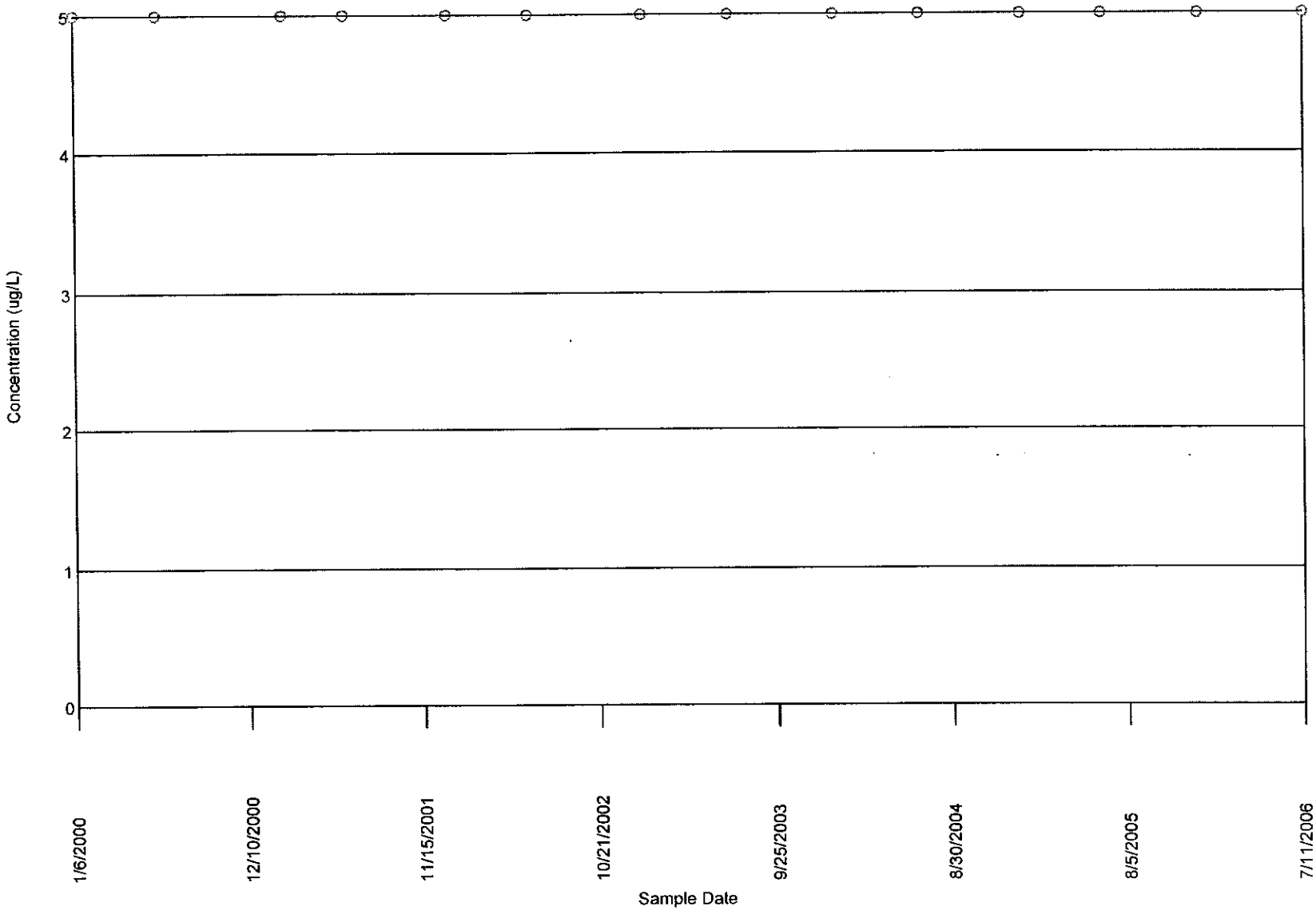
Vinyl Chloride

Time-Series Graph of MW-5



Cobalt
Time-Series Graph of MW-5



Benzene

Time-Series Graph of MW-7A