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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.

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

Name: Jerry Paul or Sam Watts, P.G. Phone: (919) 872-2660

E-mail: jpaul@smeinc.com or swatts@smeinc.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
City of Durham - Closed Municipal Solid Waste Landfill	City of Durham Department of Water Management 1600 Mist Lake Drive Durham, NC 27704	32-01	.1600	May 19, 2008

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.

Samuel P. Watts, P.G. Senior Project Manager (919) 872-2660

Facility Representative Name (Print) Title (Area Code) Telephone Number

Signature Date

Affix NC Licensed/ Professional Geologist/Engineer Seal here:

Revised 01/2007

NOVEMBER 2008

MONITORING REPORT
SEMI-ANNUAL MONITORING OF GROUNDWATER AND SURFACE WATER

City Of Durham Closed Municipal
Solid Waste Landfill
Durham County
Durham, North Carolina
(DWM Permit No. 32-01)
S&ME Project Number 1054-07-469

Prepared for:

DURHAM
1869
CITY OF MEDICINE

CITY OF DURHAM
DEPARTMENT OF WATER MANAGEMENT
1600 MIST LAKE DRIVE
DURHAM, NORTH CAROLINA 27704

Prepared by:

S&ME

3201 Spring Forest Road
Raleigh, North Carolina 27616

Gerald Paul
Environmental Staff Professional

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

February 18, 2009

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1.0 INTRODUCTION

This report summarizes the monitoring results from the November 19, 2008 semi-annual groundwater and surface monitoring event at the City of Durham Closed Landfill in Durham County, North Carolina. The monitoring event was performed in accordance with Title 15A of the North Carolina Administrative Code (NCAC) Subchapter 13B.1632. The City of Durham Landfill is a closed municipal solid waste (MSW) landfill and is maintained by the City of Durham Department of Water Management under Permit No. 32-01 issued by the North Carolina Department of Environment and Natural Resources, Division of Waste Management (NCDENR-DWM).

1.1 Site Description and Background

The subject property is a closed, unlined MSW landfill that ceased accepting wastes in 1997. The vicinity location of the facility is shown on **Figure 1,** with more details of the location and the immediate area shown on **Figure 2**. The landfill is located northeast of downtown Durham, near the North Durham Water Reclamation Facility off East Club Boulevard at Glenn Road.

According to the topographic map, elevations at the facility range from approximately 280 to 380 feet above mean sea level. In general, surface drainage from the facility and surrounding areas is routed by drainage channels and stormwater control structures toward Ellerbe Creek to the west of the facility. Locally, surface water flows in a radial direction, away from the closed and capped landfill toward unnamed streams to the northeast, south and west. These streams are tributaries of Ellerbe Creek, which flows into Falls Lake, located northeast of the landfill.

1.2 Compliance Monitoring History

Groundwater quality at the landfill has been monitored since 1989, and is currently monitored semiannually in accordance with the approved Water Quality Monitoring Plan (WQMP) prepared by Malcolm Pirnie, Inc. in April 1994 (MP, 1994). Assessment Monitoring was conducted for the landfill from November 1996 through June 1999 after the detection of benzene in the monitoring well MW-3R sample. Following the June 1999 monitoring event, the NCDENR Solid Waste Section (Section) granted approval for the City to return to Detection Monitoring. Detection Monitoring was conducted for the site from October 1999 through December 2004. At that time, based on additional detections of volatile organic compounds (VOCs), Assessment Monitoring was resumed during the June 2005 monitoring event (Weston, 2006). Groundwater quality monitoring continues under the Assessment Monitoring Program per 15A NCAC 13B.1634 at this time.

The facility's monitoring network consists of 14 monitor wells/piezometers and four surface water locations. Sample locations are depicted on Figure 3. Of the 14

wells/piezometers at the site, six (6) are used to measure water levels only. The eight (8) wells used to collect water quality samples for laboratory analysis consist of one upgradient/background monitoring well (MW-9R) and seven downgradient compliance monitoring wells (MW-2, MW-3R, MW-4R, MW-5, MW-7R, MW-8, and MW-10). These compliance wells monitor the uppermost aquifer. For the November 2008 groundwater monitoring event, the collected groundwater samples from all wells were analyzed for the North Carolina Appendix I constituents with the exception of MW-9R and MW-7R. The groundwater samples collected from MW-9R and MW-7R were analyzed for the North Carolina Appendix II constituents. The facility's monitoring network also includes one upstream surface water monitoring point (S-4) and three downstream surface water sampling points (S-1, S-2 and S-3), which are sampled in conjunction with the groundwater monitoring wells during the semi-annual groundwater monitoring events. Surface water samples are analyzed semiannually for NC Appendix I constituents.

In May 2008 MW-9R replaced PZ-6 as the upgradient/background monitoring well due to the poor water quality and elevated metals concentrations detected in the background well (PZ-6). In addition, MW-3R replaced MW-3 as a downgradient compliance monitoring well due to the determination that MW-3 was located in or in close proximity to the landfill waste boundary. Prior to inclusion into the groundwater monitoring network, both wells (MW-3R and MW-9R) were sampled once for full Appendix I plus Appendix II semi-volatile organic compounds (SVOC) constituents on May 1, 2008 to assess groundwater quality at these locations.

As indicated in the *May 2008-Groundwater Monitoring Report – Semi-Annual Monitoring of Groundwater and Surface Water* (S&ME, July 2008), downgradient monitor well MW-6R appears to be located in or in close proximity to the landfill waste boundary, and may not accurately reflect true groundwater quality within the uppermost aquifer. Additionally, due to its close proximity to buried waste, monitor well MW-6R does not meet the requirements listed under Section .1631(a) of the Solid Waste Rules (15A NCAC 13B) as well as EPA's RCRA Technical Enforcement Guidance Document (TEGD) SW-846. As a result, MW-6R was removed from the groundwater monitoring network. MW-6R will remain in place and will be utilized to collect groundwater levels to assist in the determination of groundwater flow characteristics.

On August 20, 2008, S&ME installed a new compliance monitoring well (MW-10) in the vicinity of the former compliance well (MW-6R) beyond the waste boundary. On September 9, 2008, MW-10 was sampled and the results of the sampling were summarized in S&ME's report *Monitoring Well Installation Report*, dated October 2, 2008 (Appendix IV). The locations of MW-3, MW-3R, MW-6R and MW-10 in relation to the delineated waste boundary are shown on **Figure 3**.

1.3 Hydrogeologic Setting

Geologically, the facility is located within the Piedmont Physiographic Province of North Carolina and within the Durham Triassic Basin (North Carolina Geological Survey (NCGS), 1985). The Durham Basin is included in the Chatham Group of Triassic sediments, which include sandstones, mudstones, conglomerates and unconsolidated sediments occurring from the erosion of adjoining Piedmont Metavolcanic Rocks. The uppermost aquifer beneath the facility is unconfined and located within soil, saprolite and weathered rock, which transitions into arkosic sandstone, siltstone and mudstone bedrock of the Pekin Formation. Site monitoring wells are screened in the uppermost pervasive aquifer contained within silty sands, silty to sandy clays, and sandstones of the Triassic saprolite soils and weathered rock at the site. The depth to groundwater typically ranges from approximately 4 feet below grade along the western and southern perimeter of the facility to nearly 50 feet below grade in the central and eastern portion of the facility. Historical static water level data are presented on **Table 1**. As shown by the historical water level data, the hydraulic head level within the uppermost aquifer beneath the facility is fairly consistent. The range in static water elevation fluctuation is greater in upgradient well, which is more centrally located to the regional groundwater recharge area. The reduction in range of fluctuation in the downgradient compliance wells, which are generally located to the west nearer groundwater discharge areas, is likely due to the stabilizing affect of hydraulic discharge boundaries.

Static water level measurements obtained on November 19, 2008 were used to prepare the groundwater potentiometric map presented as **Figure 3**. As shown by the potentiometric contours, groundwater flow across the majority of the site is projected to the north, northwest, and west, which is consistent with previous groundwater data. Based on the November 19, 2008 groundwater potentiometric map, the hydraulic gradient in the uppermost aquifer underlying the site was measured along the projected flow paths shown on **Figure 3**. The average hydraulic gradient for the groundwater flow was calculated to be approximately 0.035 **(Table 2)**. An estimated effective porosity of 0.2 was used for the uppermost aquifer (Heath, 2001). Using the above values, the estimated rate of groundwater seepage flow within the monitored zone of the uppermost aquifer beneath the facility was calculated using the following modified Darcy equation:

$$Vgw = Ki/ne$$

Where Vgw = average seepage velocity (feet/year), K = hydraulic conductivity (feet/year), i = horizontal hydraulic gradient, and ne = effective porosity. The values for K and ne were based on estimates from Malcolm Pirnie, Inc's *City of Durham Municipal Solid Waste Landfill, December 1998 Groundwater Monitoring Letter Report,* dated January 29, 1999 and Weston Solutions, Inc.'s *December 2005 Semiannual Event – Closed Durham City Landfill*. The average calculated groundwater flow seepage velocity under the waste management unit is approximately 3.56 feet/year to the north, northwest, and west **(Table 2)**.

1.4 Maintenance Activities

Since the last monitoring event in May 2008, the following maintenance activities have been conducted at the site:

1. Installed a new compliance monitor well (MW-10) – As previously mentioned, due to its close proximity to buried waste, monitor well MW-6R does not meet the requirements listed under Section .1631(a) of the Solid Waste Rules (15A NCAC 13B) as well as EPA's RCRA Technical Enforcement Guidance Document (TEGD) SW-846. As a result, MW-6R was removed from the groundwater monitoring network. A new compliance monitoring well (MW-10) was installed in the vicinity of the former compliance well (MW-6R) beyond the waste management unit boundary.

2. Relocated the bladder pump from MW-6R to MW-10 –Upon completion of the new well installation and initial background groundwater sampling, the bladder pump was relocated from MW-6R to the new monitor well MW-10. Prior to relocating the bladder pump all non-stainless steel components were removed. The bladder pump was next decontaminated to avoid cross-contamination between sample locations. The bladder pumps were cleaned with a phosphate-free detergent in a hot tap water. A brush was utilized to remove particulate matter and surface film from the bladder pump housing. The unit was then rinsed thoroughly with analyte-free deionized water, allowed to dry, and covered to prevent inadvertent contamination during storage and transport. All personnel engaged in equipment decontamination wore clean, disposable non-reactive gloves. The newly decontaminated bladder pump was then outfitted with new polyethylene tubing and Geo control pump connections, placed in the newly installed monitor well and tested for operation prior to inclusion into the monitoring well network.

2.0 FIELD PROGRAM, MONITORING RESULTS, AND DISCUSSION

Field activities conducted as part of the November 2008 sampling event are discussed in the following sections.

2.1 Visual Inspection Program

The visual inspection program is used at the City of Durham Closed Landfill to identify evidence of potential releases as early as possible. This program includes surficial observation of the site for visual evidence of a potential release such as stresses in biological communities, visible signs of leachate migration (i.e., leachate seeps), unexplained changes in soil characteristics, and other visual evidence of changes to the waste management unit. During the November 2008 compliance monitoring event, no physical indicators of significant changes were observed in the vicinity of the waste management areas.

2.2 Monitoring Well Network

The network of groundwater monitoring wells at the City of Durham Closed Landfill consists of 14 wells/piezometers. Of these, six are used solely to obtain static water level measurements. In accordance with the facility's *Water Quality Monitoring Plan* (WQMP), dated April 1994, the compliance monitoring network consists of eight wells used to collect water quality samples for laboratory analysis. The compliance wells consist of MW-2, MW-3R, MW-4R, MW-5, MW-7R, MW-8, MW-9R and MW-10. Monitoring well construction information is summarized in **Table 3** and the well locations are shown on **Figure 3**. Monitoring well MW-9R is the facility's background well and is located hydraulically upgradient of the waste disposal area. Monitoring wells MW-2, MW-3R, MW-4R, MW-5, MW-7R, MW-8 and MW-10 are located downgradient or sidegradient of the waste disposal area and represent the facility's downgradient compliance wells.

2.3 November 2008 Sampling Event

On November 19, 2008, S&ME personnel conducted the semi-annual groundwater and surface water sampling event at the City of Durham's Closed Landfill. For the November 2008 sampling event, seven downgradient compliance monitor wells and one upgradient, background monitor well were sampled. For the locations of the compliance monitoring wells sampled during the second semi-annul groundwater monitoring event refer to Figure 1. A discussion of field sampling methods and locations for the November 2008 groundwater sampling event is provided below. S&ME personnel performed sampling at the facility in accordance with the Solid Waste Rules and the facility's *Water Quality Monitoring Plan* (WQMP), dated April 1994.

Prior to initiating purging and sampling activities, the wells were opened, allowed to equilibrate with atmospheric pressure and depth-to-water measurements were recorded to the nearest 0.01 foot using an electronic water level indicator. 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. In addition to the sampled wells, the depth to static groundwater was also measured in monitoring wells MW-3, MW-6R, PZ-2R, PZ-3, PZ-4R and PZ-6 to provide additional data points for construction of the groundwater potentiometric map. The resulting water level elevations for this event were added to the historical water elevation data presented in **Table 1**.

Following the collection of static groundwater level measurements, monitoring wells to be sampled were purged and sampled utilizing the previously installed dedicated bladder pumps. As purging proceeded, pH, temperature, specific conductivity, dissolved oxygen, and turbidity were measured and recorded by S&ME field personnel. A groundwater sample was collected from each well after the field parameters fluctuated no more than 10 percent. The field parameters measured immediately before collecting each groundwater sample is presented in **Table 5**. One blind duplicate groundwater sample set was collected from MW-3R for the purpose of Quality Assurance/Quality Control (QA/QC) at the laboratory.

The collected groundwater samples were placed in new, sterile, laboratory supplied sample containers. Prior to sampling, the laboratory-supplied sample containers were prepared. Each sample container was labeled with the sample identification number, sampling personnel, date and time of sample collection, project name and number, and requested chemical analyses. The required groundwater samples were collected directly from the bladder pump tubing into the labeled, laboratory-supplied, pre-preserved sample containers after purging. After collection, the samples were placed in a cooler on ice, under chain-of-custody control. Copies of the sampling logs are presented in **Appendix I**. Included in each log is a description of the sampling equipment, sampling method, field observations, and field parameter water quality measurements.

In addition to the groundwater samples, surface water samples were collected from locations S-4 (upstream) and S-1, S-2, and S-3 (downstream) on November 19, 2008. The surface water samples were collected directly from the stream, by lowering the sample containers into the stream with the opening facing into the current flow, taking care to prevent the over flow of the sample containers and to minimize turbidity.

The November 2008 groundwater and surface water samples were submitted to Environmental Science Corporation (ESC) of Mt. Juliet Tennessee on November 20, 2008, under chain-of-custody protocols. The groundwater samples from MW-2, MW-3R, MW-4R, MW-5, MW-8 and MW-10 were submitted for analysis of NC Appendix I constituents. The groundwater samples from MW-7R and MW-9R were submitted for analysis of NC Appendix II constituents. Surface water samples were analyzed for NC Appendix I constituents plus mercury and fluoride. The results of analytical testing are discussed in Section 2.4 and a summary of compound concentrations detected during the

November 2008 sampling event are presented in **Table 4.** A copy of the analytical laboratory report is provided in **Appendix II.**

2.4 Groundwater Quality

2.4.1 Methods and Standards

The NCDENR-Division of Waste Management (DWM), has established groundwater quality criteria, termed the Solid Waste Section Limit (SWSL) regarding the detection of constituents in groundwater at levels below the previously used Practical Quantitation Limits (PQLs). The SWSL is defined as the lowest amount of analyte in a sample that can be quantitatively determined with suitable precision and accuracy (i.e. repeatable results) and 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. The Section also requires that laboratories report analytical results to the Method Detection Limits (MDLs) rather than the SWSL.

In reference to the constituents detected during this sampling event, the new SWSLs and MDLs are lower than the previous PQLs. For these reasons, several constituents that have not been reported as detected prior to 2007 were reported as detected in the November 2007, May 2008 and November 2008 sampling events. In our opinion, these findings generally are not indicative of an increase in the presence of these constituents in the groundwater but rather due to changes in the reporting and evaluation limits.

2.4.2 Groundwater Analytical Data

Constituent concentrations detected in the groundwater samples above the laboratory MDLs are summarized on **Table 4**. For comparison purposes, these results are shown with their respective SWSL and 15A NCAC Subchapter 2L .0200 Groundwater Quality Standards (2L Standards). Where target groundwater constituents have no established 2L Standard, the analytical results were compared to the North Carolina Groundwater Protection (GWP) Standard established by the NCDENR.

Volatiles No volatile organic compounds (VOCs) were detected above the method detection limit in the groundwater sample from upgradient (background) well MW-9R.

There were no reported VOC detections above 2L Standards in any of the samples collected from the downgradient compliance monitoring wells with the exception of MW-10. The following is a summary of the VOCs detected at reported concentrations above their respective 2L Standards in the groundwater sample collected from MW-10:

- Benzene (4.0 µg/L) exceeded the 2L standard (1.0 µg/L).
- 1, 2-Dichloropropane (11 µg/L) exceeded the 2L standard (0.51 µg/L).
- Cis-1, 2-Dichloroethene (370 µg/L) exceeded the 2L standard (70 µg/L).
- Tetrachloroethene (1.8 µg/L) exceeded the 2L standard (0.7 µg/L).
- Trichloroethene (30 µg/L) exceeded the 2L standard (2.8 µg/L).
- Vinyl chloride (25 µg/L) exceeded the 2L standard (0.015 µg/L).

1, 4-Dichlorobenzene (1.3 µg/L), 1, 1-Dichloroethane (9.8 µg/L) and Trans-1, 2-dichloroethane (12 µg/L) were detected at quantifiable levels (above their respective SWSLs) in the MW-10 sample but below the 2L Standards.

The following VOC was detected above the method detection limits but below the SWLS and below groundwater protection standards:

- Cis-1, 2-Dichloroethene (0.84 µg/L) in MW-2.

There were no other VOCs detected in any of the other compliance well groundwater samples above the method detection limits **(Table 4)**.

Inorganics Vanadium was the only inorganic constituent detected above a 2L or GWP Standard in any of the groundwater samples collected during the November 2008 groundwater monitoring event. The reported concentration of 3.6 µg/l for vanadium in monitoring well MW-10 exceeds the GWP Standard for vanadium set at 3.5 µg/L.

The reported concentrations of metals in all other groundwater samples were below their respective 2L or GWP Standard, and many were estimated "J" flagged values between the MDL and the SWSL.

Site groundwater samples have been analyzed for both total metals (required) and dissolved metals (voluntary additional) since June 1996. The purpose of the dissolved analyses has been to provide additional data for interpretation of total metals results. Analysis of total metals provides the level of both dissolved and mobile particulate-associated metals available for potential transport. Typically, a dissolved (filtered) metal determination is less than its concentration as a total (unfiltered) metal, indicating that mobile particulates, removed by filtering for the dissolved analysis, contribute to the total concentration. A high total metals result paired with a low to non-detectable dissolved metals result suggests that the total metal concentration reported by the laboratory may be the result of turbidity (suspended solids) in the sample. Mobile particulates are frequently present in groundwater with high turbidity, such as has been previously observed in groundwater sampled from several of the site wells, including MW-3R and MW-9R **(Table 5)**. The replacement of the dedicated bladder pumps and redevelopment

of the monitor wells in April 2008, apparently resulted in lower turbidity levels, therefore dissolved metals were not analyzed for as part of the November 2008 sampling event.

2.4.3 Surface Water Analytical Data

As it is not required to establish background concentrations for surface water monitoring, downstream concentrations simply are compared to the upstream sample concentration and the appropriate 15A NCAC Subchapter 2B .0200 Surface Water Quality Standards (2B Standard). This site is within the Neuse River Basin, and its surface waters are subject to Class WS-IV-NSW water quality standards, according to inquiries of personnel in the North Carolina Division of Water Quality.

Volatiles

In November 2008, samples were collected at surface water sampling points S-1, S-2, S-3, and S-4. The surface water samples were analyzed for Appendix I volatile organic compounds by EPA Method 8260B, Appendix I metals by EPA Method 6010B and EPA Method 6020 and Fluoride by EPA Method 9056. The following results are discussed in comparison with the monitored constituents respective 2B Standard. The surface water organic constituent data for the current and previous sampling events are summarized in **Table 5**. Chloroform and Cis-1, 2-Dichloroethene were the only organic constituents detected above their respective method detection limit during the November 2008 semiannual sampling event. Chloroform was detected in the sample from the upstream surface water location of S-4 at a reported concentration of 0.39 µg/L and the downstream sample location S-3 at a reported concentration of 0.42 µg/L, which were both reported as estimated "J" flagged values between the MDL of 0.33 µg/L and the SWSL of 5.0 µg/L. Cis-1, 2-Dichloroethene was detected at the downstream sample location S-3 at a reported concentration of 0.65 µg/L, which is also an estimated "J" flagged value between the MDL of 0.38 µg/L and the SWSL of 5.0 µg/L. The reported concentrations of both of these constituents are below their respective 2B surface water standard for Class WS-IV-NSW surface waters.

Inorganics

The inorganic constituents antimony, arsenic, barium, beryllium, cadmium, chromium, copper, lead, selenium, vanadium and zinc were detected in one or more samples from both the upstream and downstream surface water monitoring locations during the November 2008 monitoring event. The detected concentrations of inorganic constituents in the downstream samples were similar to the concentrations in the upstream sample, except for Vanadium. All inorganic constituents were detected at reported concentrations less than their respective 2B Standard for Class WS-IV-NSW surface waters. The historic surface water inorganic constituent data for the current and previous sampling events are summarized in **Table 6**.

3.0 LABORATORY AND FIELD QA/QC

One blind duplicate/replicate groundwater sample set was collected from monitor well MW-3R. The concentrations of the VOCs and inorganic constituents detected in the duplicate/replicate sample from MW-3R were similar to the record sample.

One equipment blank was collected by S&ME personnel as part of the November 2008 groundwater sampling event. The equipment blank was collected by pumping laboratory-supplied de-ionized water directly from laboratory supplied containers through new, disposable Teflon tubing and silicon tubing using a peristaltic pump. The de-ionized water was then pumped across an electronic water level indicator and collected into the laboratory sample containers. The equipment blank was analyzed for NC Appendix II constituents. No VOCs were detected above the method detection limit in the equipment blank, however, the following six inorganic constituents were detected: antimony, cadmium, copper, lead, selenium, and PCB 1260. With the exception of copper (1.1 μg/L), all of the inorganic constituents detected in the equipment blank were reported with a "J" laboratory qualifier indicating that the values are reported below the lowest calibration point.

A laboratory-prepared trip blank accompanied the VOC sample containers to and from the laboratory. Toluene was the only constituent detected in the trip blank. Toluene was detected at 0.44 μg/L, however, this value was reported with a "J" laboratory qualifier.

4.0 DATA EVALUATION

The results of the data evaluations are presented in the following sections.

4.1 Statistical Evaluations

Previous monitoring reports submitted to the Section for this facility have included a statistical evaluation of groundwater monitoring data for considering whether or not a statistically significant increase (SSI) above statistically computed Upper Limits calculated from the upgradient background data set had occurred. For this sampling event, the historical data pool has been updated and included in this report (**Table 5** and **Table 6**); however, no statistical analysis was performed on the data collected during the current groundwater monitoring event for the following reasons:

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

During the 2007 groundwater monitoring year, the NCDENR-DWM promulgated revised Solid Waste Section Limits (SWSLs) which replaced the former Practical Quantitation Limit (PQL) for all Appendix I and Appendix II constituents. The newly promulgated SWSLs were based on updated toxicological data and were not based on EPA analytical methodology employed by the certified laboratories throughout North Carolina for groundwater analyses. The EPA Analytical Methods used by the laboratories to detect constituents in groundwater have a finite method detection limit (MDL). Constituent concentrations below the MDL will be reported as non-detect (ND). The intent of the SWSL as well as the former PQL is to define the lowest possible concentration of a particular constituent which can be repeated with reasonable accuracy over multiple analyses of the same sample using the same analytical methodology at the laboratory. Values detected below the SWSL are considered estimated values which may show a different result if the analysis was repeated on the same sample.

In reference to the constituents detected during the May 2007, November 2007, May 2008 and November 2008 sampling events, the new SWSLs and MDLs are lower than the previous PQLs. For these reasons, several constituents that have not been reported as detected prior to 2007 were reported as detected in the May 2007, November 2007, May 2008 and November 2008 sampling events. In our opinion, these findings are not indicative of an increase in the presence of these constituents in the groundwater but rather are due to changes in the reporting and evaluation standards. As a result, a new baseline of background concentrations of the monitored constituents using the lower SWSLs and MDLs should be conducted to "re-establish" background water quality at the facility.

In accordance with Section .1634 (b), it is recommended that a minimum of four independent samples be collected from each well (background and downgradient) to establish background for the newly detected constituents for statistical analysis. However, in order to calculate statistical Upper Limits required by 15A NCAC 13B.1633, EPA's Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Addendum to Interim Final Guidance document recommends a minimum of eight (8) background samples for a parametrically distributed background data set. For non-parametrically distributed background data sets the same guidance by EPA recommends a minimum of thirteen (13) background samples for computation of statistical Upper Limits. These minimum sample set sizes are recommended in order to provide adequate statistical power for a 95% Prediction or Tolerance Interval test. At the time of the November 2008 groundwater monitoring event, only four (4) background samples have been collected under the new SWSLs for use in calculating statistical Upper Limits. At least four additional sampling events are recommended to "re-establish" background conditions for use in statistical Upper Limits computations.

5.0 CONCLUSIONS

Benzene, cis-1, 2-dichloroethene, 1, 2-dichloropropane, tetrachloroethene, trichloroethene and vinyl chloride were detected above their respective 2L Standards in MW-10 during the November 2008 event. Vanadium was detected in monitoring well MW-10 above the its respective GWP Standard during this event. No other organic or inorganic constituents were detected in groundwater above their respective 2L or GWP Standards during this event.

No constituents were detected any of the surface water samples above the 2B surface water standards.

Based on the detection of organic constituents in groundwater exceeding 2L Standards in MW-10, similar to those previously detected in MW-6R, and the close proximity of the well to the landfill waste boundary, S&ME recommends the installation of a replacement well for MW-10. In accordance with Section .1631 (a)(2)(a), the relevant point of compliance for the area near MW-10 shall be established no more than 250 feet from a waste boundary, and shall be at least 50 feet within the facility property boundary. The wooded area down gradient from MW-10 offers more than adequate space to re-locate the compliance monitoring well according to those criteria without sacrificing adequate coverage. The proposed location for the replacement monitoring well near MW-10 and proposed changes to the current monitor well network will be submitted to the Section as a separate document. The well will be constructed in accordance with well construction requirements presented in 15 NCAC.2C and will be screened to intercept the surficial aquifer at a location clearly beyond the delineated waste boundary. S&ME recommends continuing the Detection Monitoring Program for the next sampling event scheduled for May 2009. The results of the groundwater samples collected from the replacement well for MW-10 may determine the need to initiate Assessment Monitoring.

As required by the North Carolina Solid Waste Management Rules, Assessment Monitoring as outlined in Title 15A NCAC 13B.1634 would include analysis of the constituents included in Appendix II of 40 CFR Part 258. 40 CFR Part 258 - "Appendix II List of Hazardous Inorganic and Organic Constituents". However, after several conversations between S&ME and Mr. Ervin Lane of the North Carolina, Department of Environment and Natural Resources - Solid Waste Section, all monitoring wells will be sampled for the Appendix I constituent list unless a detection above 2L or GWP Standards, or a SSI is encountered. The detections in MW-10 will be addressed by installing a replacement well no more than 250 feet from a waste boundary, and shall be at least 50 feet within the facility property boundary. Assuming the groundwater samples from this newly installed well will be below or GWP standard as well as background statistical Upper Limits, the Facility will remain under the Detection Monitoring Program. The primary focus going forward will be to establish an adequate monitoring well network that will sufficiently depict groundwater conditions at the facility. All changes to the facility will be captured in an updated Water Quality Monitoring Plan that will be submitted to the Section upon completion of the monitoring well installation.

Net groundwater flow beneath the landfill is projected toward the northwest. Locally, groundwater appears to flow radially away from the closed and capped landfill toward streams nearly surrounding the former disposal area to the northeast, south, and west. Horizontal flow gradients and estimated linear velocities calculated for this monitoring event are consistent with the previous events. Based on the calculated direction of groundwater flow at the facility, the current configuration of the Water Quality Monitoring Network appears to adequately monitor the landfill.

The revised WQMP will be submitted to the NCDENR-SWS under separate cover. Additionally, once adequate background data under the new SWSLs has been obtained, S&ME will resume statistical analyses of the downgradient compliance monitoring data.

A compact disk (CD) with an electronic copy of **Table 7** in Excel spreadsheet format (.xls) and an electronic copy of the report in portable document format (.pdf) is included in Appendix III.

6.0 REFERENCES

Heath, Ralph C., 1993, *Basic Ground-Water Hydrology*, USGS Water Supply Paper 2220.

MP 1994 (Malcolm Pirnie, Inc.), April 1994. *City of Durham Sanitary Landfill Water Quality Monitoring Plan.*

MP 1996 (Malcolm Pirnie, Inc.), December 1996. *City of Durham Municipal Solid Waste Landfill November 1996 Assessment Monitoring.*

NCGS (North Carolina Geologic Survey), 1985. Geologic Map of North Carolina. Scale 1:500,000.

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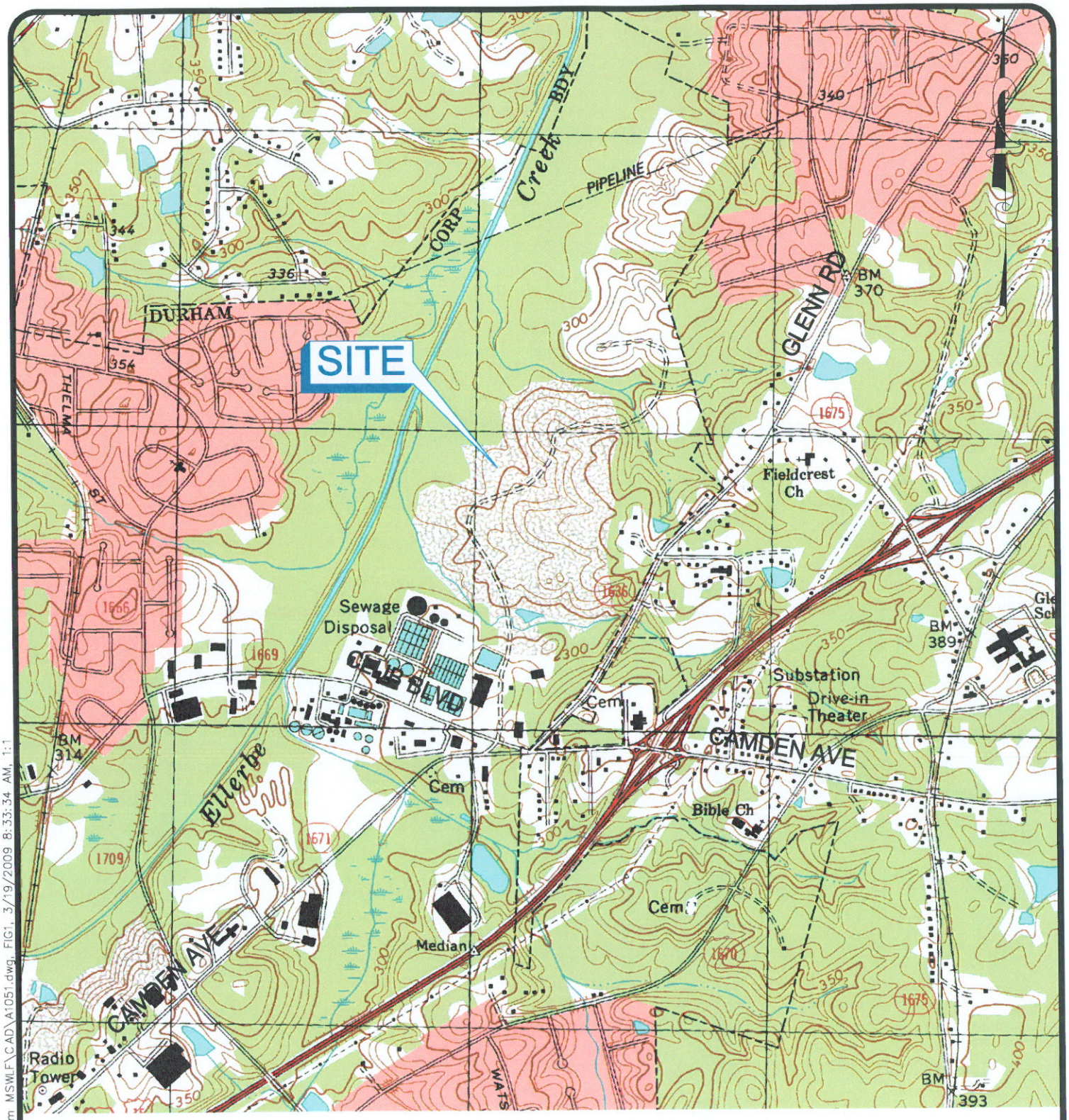
Weston 2006 (Weston Solutions, Inc.), February 2006. December 2005 Semiannual Event—Closed Durham City Landfill.

FIGURES



GRAPHIC SCALE

750 0 375 750 1500

(IN FEET)

SOURCE: NCGS DRG
NE DURHAM (O36078A7), DATED 1999

A-1051

SCALE: 1" = 1500'	S&ME WWW.SMEINC.COM	VICINITY MAP	FIGURE NO.
DATE: DEC. 2007		CLOSED LANDFILL PERMIT #32-01	1
DRAWN BY: BTR		DURHAM, NORTH CAROLINA	
PROJECT NO: 1054-07-469			

S:\PROJECTS\2007\07-469 City of Durham MSWLF\CAD\A1051.dwg, FIG1, 3/19/2009 8:33:34 AM, 1:1

GRAPHIC SCALE

250 0 125 250 500

(IN FEET)

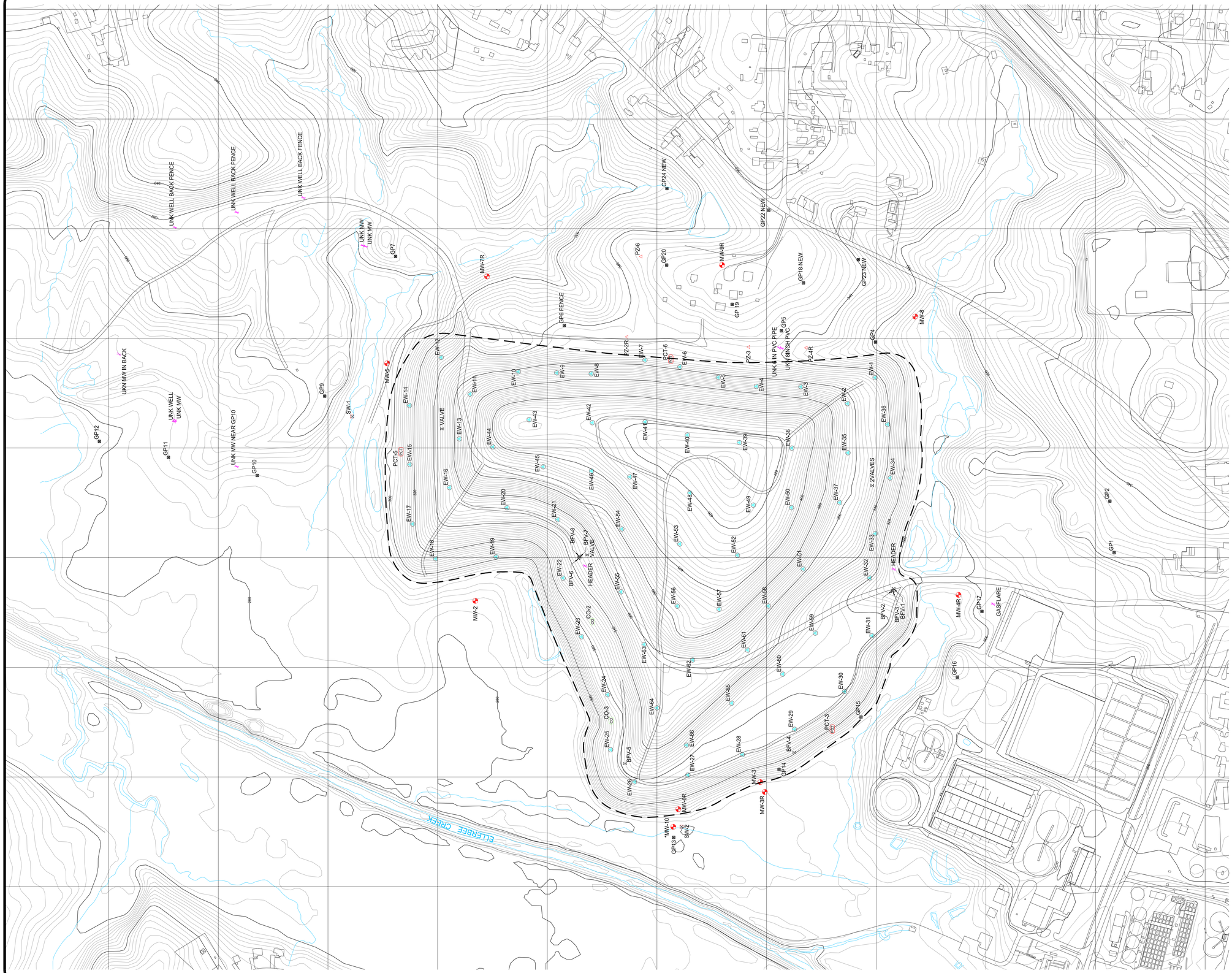
IMAGE SOURCE: DURHAM GIS
REF #s 54130488 & 88865549

A-1052

SCALE: 1" = 500'	S&ME WWW.SMEINC.COM	SITE MAP CLOSED LANDFILL PERMIT #32-01 DURHAM, NORTH CAROLINA	FIGURE NO. 2
DATE: DEC. 2007			
DRAWN BY: BTR			
PROJECT NO: 1054-07-469			

S:\PROJECTS\2007\07-469 City of Durham MSWLF\CAD\A1052.dwg, A1052, 3/19/2009 8:32:54 AM, 1:1

TABLES



LEGEND

- CO — CONDENSATE CLEANOUT
- PCT — PNEUMATIC CONDENSATE TRAP
- BUTTERFLY VALVE
- MONITOR WELLS
- PIEZOMETERS
- GAS EXTRACTION WELLS
- SURFACE WATER SAMPLE LOCATIONS
- GAS COMPLIANCE MONITORING POINTS
- CONTOUR LINE - MAJOR (20 FT)
- APPROXIMATE LIMIT OF FILL

GRAPHIC SCALE

400 0 200 400

(IN FEET)

SOURCE:
CONTOURS - NCDOT LIDAR DATED APRIL 2007
BUILDINGS - DURHAM GIS DATED 1994

S&ME
WWW.SMEINC.COM

NO.	DATE	DESCRIPTION	BY

SITE PLAN

CITY OF DURHAM SANITARY LANDFILL
CLOSED LANDFILL PERMIT #32-01
DURHAM, NORTH CAROLINA

DRAWN BY: BTR	CHECKED BY:
DESIGNED BY:	APPROVED BY:
PROJECT NUMBER: 1054-07-469	
SCALE: 1" = 200'	DATE: JULY 2008
DRAWING NUMBER:	
DRAWING: 1	OF:

Table 1
Summary of Historical Static Water Level Data
City of Durham Closed Municipal Solid Waste Landfill
S&ME Project No. 1054-07-469

Well #	MW-2	MW-3	MW-3R[2]	MW-4R	MW-5	MW-6R[1]	MW-7R[1]	MW-8	MW-9R[1]	MW-10	PZ-2R[1]	PZ-3	PZ-4R	PZ-6
TOC Elevation (ft AMSL)	286.54	285.80	NM	295.63	299.76	291.39	318.21	313.10	361.47	284.00	346.56	350.03	339.42	350.11
Date														
5/26/1998	280.20	283.50	NI	NI	290.20	NI	NI	304.40	NI	NI	NI	318.80	NI	308.10
12/1/1998	280.06	282.97	NI	NI	298.43	NI	NI	304.40	NI	NI	NI	321.29	NI	304.79
6/7/1999	275.71	275.30	NI	NI	285.79	NI	NI	300.87	NI	NI	NI	319.05	NI	303.68
7/8/1999	NM	NM	NI	289.09	NM	NI	NI	NM	NI	NI	NI	NM	NI	NM
12/13/1999	279.09	280.10	NI	289.49	288.28	NI	NI	302.19	NI	NI	NI	319.83	NI	303.64
6/6/2000	277.15	279.28	NI	289.37	287.10	NI	NI	301.98	NI	NI	NI	319.45	NI	305.02
12/11/2000	277.10	279.50	NI	289.15	288.05	NI	NI	302.01	NI	NI	NI	320.27	NI	303.71
6/4/2001	278.37	279.67	NI	289.67	286.67	NI	NI	301.42	NI	NI	NI	318.52	NI	304.90
12/4/2001	275.19	278.85	NI	289.15	288.25	NI	NI	299.32	NI	NI	NI	319.11	NI	304.71
6/10/2002	275.59	277.77	NI	288.52	288.38	NI	NI	302.55	NI	NI	NI	317.57	NI	304.11
12/16/2002	280.13	282.09	NI	290.51	292.22	NI	NI	305.28	NI	NI	NI	318.72	NI	305.12
6/9/2003	278.90	280.11	NI	290.04	288.21	NI	NI	301.45	NI	NI	NI	317.81	NI	305.75
12/8/2003	278.49	279.69	NI	289.82	288.06	NI	NI	310.00	NI	NI	NI	319.84	NI	305.53
6/28/2004	276.34	279.29	NM	290.00	287.15	275.79	297.73	300.87	349.02	NI	318.70	319.37	313.74	308.83
12/20/2004	275.48	279.70	NM	289.78	288.18	276.89	299.55	301.72	334.52	NI	318.98	321.02	319.78	307.16
6/6/2005	280.35	279.12	NM	289.87	287.31	275.79	297.82	300.74	349.62	NI	320.93	321.07	320.42	306.90
12/5/2005	274.26	279.46	NM	289.94	287.72	275.59	299.17	300.09	346.25	NI	319.65	320.75	317.42	302.60
6/5/2006	277.45	279.24	NM	291.10	287.45	275.81	298.91	300.51	347.47	NI	319.74	318.85	317.89	304.85
12/4/2006	279.40	279.90	NM	290.02	288.80	277.18	300.86	301.80	349.22	NI	319.56	319.30	317.42	304.10
5/30/2007	279.38	281.60	NM	291.00	289.89	278.59	300.48	303.60	348.47	NI	320.18	318.56	319.08	300.51
11/19/2007	273.92	281.27	NM	292.72	287.60	276.62	298.07	302.37	343.35	NI	319.20	318.91	316.28	304.41
5/19/2008	282.10	NM	*3.43	293.41	291.72	280.04	302.98	304.87	349.36	NI	319.85	317.82	317.18	308.27
11/19/2008	280.36	282.80	*3.64	293.30	291.25	279.42	302.46	304.58	346.98	277.32	319.64	318.31	317.07	306.72
MEAN	*277.96*	*280.06*	-	*290.30*	*288.94*	*277.17*	*299.80*	*302.59*	*346.43*	*277.32*	*319.64*	*319.28*	*317.63*	*305.16*
MAXIMUM	*282.10*	*283.50*	-	*293.41*	*298.43*	*280.04*	*302.98*	*310.00*	*349.62*	*277.32*	*320.93*	*321.29*	*320.42*	*308.83*
MINIMUM	*273.92*	*275.30*	-	*288.52*	*285.79*	*275.59*	*297.73*	*299.32*	*334.52*	*277.32*	*318.70*	*317.57*	*313.74*	*300.51*

AMSL = Above Mean Sea Level
NA= Not Applicable
NM=Not Measured
TOC=Top of Well Casing
*= Depth to water measurement taken from top of casing
NI=Not Installed
TOC elevations were surveyed by Barbara H. Mulkey Engineering in January 2001.
1. TOC elevations surveyed for new wells PZ-2R, PZ-4R, MW-6R, MW-7R and MW-9R in 2005 by Mulkey Engineering.

Table 2
Summary of Estimated Horizontal Flow Velocities
City of Durham Closed Municipal Solid Waste Landfill
S&ME Project No. 1054-07-469

November 2008								
Gradient Calculation Segment	**Monitoring Wells**	**Flow Direction**	**Gradient Segment Length (feet)**	**Gradient Segment Elevations (feet)**	**Horizontal Gradient (i, feet)**	**Effective Porosity (ne)**	**Hydraulic Conductivity (K, cm/sec)**	**Velocity (Vgw, feet/year)**
i 1	*MW-9R to*	N	1073	346.98	0.041	0.2	2.30E-05	4.92
	MW-7R			302.46				
i 2	*MW-9R to*	NW	1900	346.98	0.035	0.2	2.02E-05	3.65
	MW-2			280.36				
i 3	*MW-9R to*	W	2489	346.98	0.027	0.2	1.51E-05	2.11
	MW-6R			279.42				

Avg. Hydraulic Gradient = **0.035** **Avg. Velocity =** **3.56**

Notes:
Horizontal velocities based on the modified Darcy equation Vgw = Ki/ne.
* Hydraulic conductivity values (K) for MW-2, MW-6R, MW-7R from *May 2008 Monitoring Repo*(S&ME, July 2008)
1. Porosity (n) estimated for residual soils in Carolina Slate Belt
3. Hydraulic Gradient (i) calculated by measuring linear feet between selected contour intervals
4. Ave. Linear Velocity (v) = (1.035E06)K*i/n for units shown
5. To convert cm/sec to ft/yr, multiply n by 1.035E06

Table 3
Monitor Well Construction Information
City of Durham Closed Municipal Solid Waste Landfill
S&ME Project No. 1054-07-469

Well Identification	Ground Surface Elevation (ft AMSL)	TOC Elevation (ft AMSL)	Well Depth* (ft bgs)	Well Diameter (inches)	Screened Interval** (ft bgs)
MW-2	284.84	286.54	19.62	2	9.62 - 19.62
MW-3	284.20	285.80	25.33	2	15.33 - 25.33
MW-3R	--	--	17.65	2	7.65 - 17.65
MW-4R	293.00	295.63	17.39	2	7.39 - 17.39
MW-5	297.76	299.76	21.77	2	11.77 - 21.77
MW-6R	289.39	291.39	26.72	2	16.72 - 26.72
MW-7R	315.70	318.21	44.10	2	19.10 - 44.10
MW-8	309.30	313.10	16.52	2	9.02 - 16.52
MW-9R	358.81	361.47	22.55	2	12.55 - 22.55
MW-10	282.11	284.00	16.61	2	6.61-16.61
PZ-2R	348.83	346.56	34.59	2	24.59 - 34.59
PZ-3	346.90	350.03	42.40	2	27.40 - 42.40
PZ-4R	336.40	339.42	38.38	2	23.38 - 38.38
PZ-6	347.61	350.11	61.50	2	41.50 - 61.50

Notes:
ft AMSL = feet above mean sea level
TOC = top of well casing elevation
-- = no data available
bgs = below ground surface
TOC and Ground Surface Elevations were surveyed by Barbara H. Mulkey Engineering in January 2001.
TOC and Ground Surface Elevations surveyed for new wells P2-R, P-4R, MW-6R, MW-7R and MW-9R in 2005 by Mulkey Engineering.
TOC and Ground Surface Elevations surveyed for new well MW-10 TOC elevation surveyed by Bateman Civil Survey P.C. in September 2008
** Screened interval is approximate, based on field measurements by S&ME in May 2008.
* Depth to bottom measurements taken on June 13, 2008.

Table 5
Summary of Historically Detected Constituents in Groundwater
City of Durham Closed Municipal Solid Waste Landfill
S&ME Project No. 1054-07-469
Permit No. 32-01

Detected Monitoring Constituents/Analytes	Units	Sample Date	Detection Limit	Quantitation Limit	Solid Waste Section Limits	Background Well MW-9R	MW-2	MW-3R	MW-4R	MW-5	MW-7R	MW-8	MW-10	Equipment Blank	Trip Blank
Antimony - (GPS = 1.4 ug/L) SWID # = 13	ug/L	9/19/1994	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	2/2/1994	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	2/7/1995	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	3/13/1995	--	--	5	NM	ND	NM	--	5	--	ND	--	--	--
	ug/L	11/1/1995	--	--	--	NM	--	NM	--	--	--	--	--	--	--
	ug/L	6/10/1996	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	11/12/1996	--	--	5	NM	6	NM	--	ND	--	ND	--	--	--
	ug/L	3/18/1997	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	10/2/1997	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	5/26/1998	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	12/1/1998	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	6/7/1999	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	7/8/1999	--	--	5	NM	--	NM	ND	--	--	--	--	--	--
	ug/L	12/15/1999	--	--	5	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	6/6/2000	--	--	5	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	12/27/2000	--	--	5	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	6/4/2001	--	--	5	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	12/3/2001	--	--	5	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	6/10/2002	--	--	5	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	12/16/2002	--	--	5	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	6/9/2003	--	--	5	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	12/8/2003	--	--	5	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	6/29/2004	--	--	5	NM	ND	NM	ND	ND	ND	ND	--	--	--
	ug/L	12/20/2004	--	--	5	NM	ND	NM	ND	ND	ND	ND	--	--	--
	ug/L	6/5/2005	--	--	5	NM	ND	NM	ND	ND	ND	ND	--	--	--
	ug/L	12/5/2005	--	--	5	NM	ND	NM	ND	ND	ND	ND	--	--	--
	ug/L	6/5/2006	--	--	5	NM	ND	NM	ND	ND	ND	ND	--	--	--
	ug/L	12/5/2006	--	--	5	NM	ND	NM	ND	ND	ND	ND	--	--	--
	ug/L	5/30/2007	0.58	2	6	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	11/19/2007	0.22	1	6	NM	<0.22	NM	<0.22	<0.22	<0.22	<0.22	--	<0.22	--
	ug/L	5/19/2008	0.22	1	6	<0.22	<0.22	0.26	<0.22	<0.22	<0.22	<0.22	--	<0.22	NM
	ug/L	11/19/2008	0.29	1	6	0.51	0.59 J	0.68 J	0.65 J	0.53 J	0.53 J	0.54 J	0.59 J	0.53 J	NM
Arsenic - (NC 2L = 50 ug/L) SWID # = 14	ug/L	9/19/1994	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	12/2/1994	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	2/7/1995	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	3/13/1995	--	--	5	NM	ND	NM	--	8.2	--	ND	--	--	--
	ug/l	11/1/1995	--	--	--	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	6/10/1996	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	11/12/1996	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	3/18/1997	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	10/2/1997	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	5/26/1998	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	12/1/1998	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	6/7/1999	--	--	5	NM	ND	NM	--	ND	--	--	--	--	--
	ug/L	7/8/1999	--	--	5	NM	--	NM	5	--	--	ND	--	--	--
	ug/L	12/15/1999	--	--	5	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	6/6/2000	--	--	5	NM	ND	NM	ND	7	--	ND	--	--	--
	ug/L	12/27/2000	--	--	5	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	6/4/2001	--	--	5	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	12/3/2001	--	--	5	NM	ND	NM	ND	6	--	ND	--	--	--
	ug/L	6/10/2002	--	--	5	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	12/16/2002	--	--	5	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	6/9/2003	--	--	5	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	12/8/2003	--	--	5	NM	ND	NM	ND	6	--	ND	--	--	--
	ug/L	6/29/2004	--	--	5	NM	ND	NM	ND	ND	ND	ND	--	--	--
	ug/L	12/20/2004	--	--	5	NM	ND	NM	ND	7	ND	ND	--	--	--
	ug/L	6/5/2005	--	--	5	NM	ND	NM	ND	6	6	ND	--	--	--
	ug/L	12/5/2005	--	--	5	NM	ND	NM	ND	ND	ND	ND	--	--	--
	ug/L	6/5/2006	--	--	5	NM	ND	NM	ND	7	ND	ND	--	--	--
	ug/L	12/5/2006	--	--	5	NM	ND	NM	ND	6	ND	ND	--	--	--
	ug/L	5/30/2007	2	10	10	NM	ND	NM	ND	3.4 B	2.0 B	3.1 B	--	ND	--
	ug/L	11/19/2007	0.15	1	10	NM	0.46	NM	0.69	4.4	4.8	1.2	--	0.89	--
	ug/L	5/19/2008	0.15	1	10	<0.15	<0.15	2.7	<0.15	1.9	0.72	<0.15	--	<0.15	NM
	ug/L	11/19/2008	0.22	1	10	0.26 J	0.59 J	5.9 J	1.2 J	4.4 J	1.7 J	1.3 J	3.7 J	<0.22	NM

Notes:
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mg/L= milligrams per liter
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mV= millivolts
ND = not detected at the stated reporting limit
ORP= Oxidation Reduction Potential
µS/cm= micro Siemens per centimeter
-- = no data available
Blanks = field, trip and method blanks
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Shaded = Concentrations above the NC 2L or Solid Waste Section Groundwater Protection Standards have been shaded
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Table 5
Summary of Historically Detected Constituents in Groundwater
City of Durham Closed Municipal Solid Waste Landfill
S&ME Project No. 1054-07-469
Permit No. 32-01

Detected Monitoring Constituents/Analytes	Units	Sample Date	Detection Limit	Quantitation Limit	Solid Waste Section Limits	Background Well MW-9R	MW-2	MW-3R	MW-4R	MW-5	MW-7R	MW-8	MW-10	Equipment Blank	Trip Blank
Barium - (NC 2L= 2000 ug/L)	ug/L	9/19/1994	--	--	--	NM	199	NM	--	9400	--	2115	--	--	--
SWID # = 15	ug/L	12/2/1994	--	--	--	NM	32	NM	--	2300	--	119	--	--	--
	ug/L	2/7/1995	--	--	--	NM	48	NM	--	2436	--	111	--	--	--
	ug/L	3/13/1995	--	--	--	NM	37	NM	--	1630	--	118	--	--	--
	ug/L	11/1/1995	--	--	--	NM	25	NM	--	3360	--	120	--	--	--
	ug/L	6/10/1996	--	--	--	NM	50	NM	--	992	--	123	--	--	--
	ug/L	11/12/1996	--	--	--	NM	47	NM	--	976	--	84	--	--	--
	ug/L	3/18/1997	--	--	--	NM	70	NM	--	1154	--	138	--	--	--
	ug/L	10/2/1997	--	--	--	NM	48	NM	--	1250	--	312	--	--	--
	ug/L	5/26/1998	--	--	--	NM	48	NM	--	1637	--	103	--	--	--
	ug/L	12/1/1998	--	--	--	NM	45	NM	--	867	--	118	--	--	--
	ug/L	6/7/1999	--	--	--	NM	106	NM	--	996	--	373	--	--	--
	ug/L	7/8/1999	--	--	--	NM	--	NM	1217	--	--	--	--	--	--
	ug/L	12/15/1999	--	--	--	NM	84	NM	315	942	--	116	--	--	--
	ug/L	6/6/2000	--	--	--	NM	46	NM	377	3979	--	114	--	--	--
	ug/L	12/27/2000	--	--	--	NM	144	NM	1120	5757	--	104	--	--	--
	ug/L	6/4/2001	--	--	--	NM	128	NM	964	3649	--	475	--	--	--
	ug/L	12/3/2001	--	--	--	NM	153	NM	1053	1441	--	778	--	--	--
	ug/L	6/10/2002	--	--	--	NM	53	NM	943	1167	--	843	--	--	--
	ug/L	12/16/2002	--	--	--	NM	59	NM	544	909	--	209	--	--	--
	ug/L	6/9/2003	--	--	--	NM	67	NM	437	941	--	120	--	--	--
	ug/L	12/8/2003	--	--	--	NM	85	NM	544	3692	--	141	--	--	--
	ug/L	6/29/2004	--	--	--	NM	97	NM	551	1899	763	139	--	--	--
	ug/L	12/20/2004	--	--	--	NM	90	NM	543	4192	639	111	--	--	--
	ug/L	6/5/2005	--	--	--	NM	64	NM	607	1845	817	93	--	--	--
	ug/L	12/5/2005	--	--	--	NM	126	NM	585	1758	703	92	--	--	--
	ug/L	6/5/2006	--	--	--	NM	97	NM	796	3778	880	90	--	--	--
	ug/L	12/5/2006	--	--	--	NM	63	NM	890	3134	924	71	--	--	--
	ug/L	5/30/2007	0.2	10	100	NM	67.2 J	NM	472	1240	622	69.0 J	--	ND	--
	ug/L	11/19/2007	1	5	100	NM	120	NM	510	1400	820	300	--	<1	--
	ug/L	5/19/2008	1	5	100	55	66	530	580	1300	600	33	--	<1	NM
	ug/L	11/19/2008	1.1	5	100	38 J	82 J	380	510	1400	580	64 J	250	<1.1	NM
Beryllium - (GPS = 4 ug/L)	ug/L	9/19/1994	--	--	1	NM	1.5	NM	--	9.8	--	7.3	--	--	--
SWID # = 23	ug/L	12/2/1994	--	--	1	NM	ND	NM	--	5	--	ND	--	--	--
	ug/L	2/7/1995	--	--	1	NM	ND	NM	--	4.7	--	ND	--	--	--
	ug/l	3/13/1995	--	--	1	NM	ND	NM	--	5.2	--	ND	--	--	--
	ug/L	11/1/1995	--	--	1	NM	ND	NM	--	8	--	ND	--	--	--
	ug/L	6/10/1996	--	--	1	NM	1.5	NM	--	ND	--	ND	--	--	--
	ug/L	11/12/1996	--	--	1	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	3/18/1997	--	--	1	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	10/2/1997	--	--	1	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	5/26/1998	--	--	1	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	12/1/1998	--	--	1	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	6/7/1999	--	--	1	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	7/8/1999	--	--	1	NM	--	NM	2	--	--	--	--	--	--
	ug/L	12/15/1999	--	--	1	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	6/6/2000	--	--	1	NM	ND	NM	ND	5	--	ND	--	--	--
	ug/L	12/27/2000	--	--	1	NM	ND	NM	ND	8	--	ND	--	--	--
	ug/L	6/4/2001	--	--	1	NM	ND	NM	ND	2	--	ND	--	--	--
	ug/L	12/3/2001	--	--	1	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	6/10/2002	--	--	1	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	12/16/2002	--	--	1	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	6/9/2003	--	--	1	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	12/8/2003	--	--	1	NM	ND	NM	ND	2	--	ND	--	--	--
	ug/L	6/29/2004	--	--	1	NM	ND	NM	ND	ND	ND	ND	--	--	--
	ug/L	12/20/2004	--	--	1	NM	ND	NM	ND	2	ND	ND	--	--	--
	ug/L	6/5/2005	--	--	1	NM	ND	NM	ND	ND	ND	ND	--	--	--
	ug/L	12/5/2005	--	--	1	NM	ND	NM	ND	ND	ND	ND	--	--	--
	ug/L	6/5/2006	--	--	1	NM	ND	NM	ND	2	ND	ND	--	--	--
	ug/L	12/5/2006	--	--	1	NM	ND	NM	ND	1	ND	ND	--	--	--
	ug/L	5/30/2007	0.7	1	1	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	11/19/2007	0.24	1	1	NM	<0.24	NM	<0.24	<0.24	0.79	0.93	--	<0.24	--
	ug/L	5/19/2008	0.24	1	1	0.38	<0.24	0.25	<0.24	<0.24	<0.24	<0.24	3.7	<0.24	NM
	ug/L	11/19/2008	0.28	1	1	0.73 J	0.73	<1.4	<1.4	0.34 J	0.3 J	0.37 J	<1.4	<0.28	NM

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Detected Monitoring Constituents/Analytes	Units	Sample Date	Detection Limit	Quantitation Limit	Solid Waste Section Limits	Background Well MW-9R	MW-2	MW-3R	MW-4R	MW-5	MW-7R	MW-8	MW-10	Equipment Blank	Trip Blank
Cadmium - (NC 2L = 1.75 ug/L)	ug/L	9/19/1994	--	--	1	NM	ND	NM	--	1.6	--	ND	--	--	--
SWID # = 34	ug/L	12/2/1994	--	--	1	NM	1	NM	--	ND	--	ND	--	--	--
	ug/L	2/7/1995	--	--	1	NM	ND	NM	--	1.6	--	ND	--	--	--
	ug/L	3/13/1995	--	--	1	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	11/1/1995	--	--	1	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	6/10/1996	--	--	1	NM	1.8	NM	--	ND	--	ND	--	--	--
	ug/L	11/12/1996	--	--	1	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	3/18/1997	--	--	1	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	10/2/1997	--	--	1	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	5/26/1998	--	--	1	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	12/1/1998	--	--	1	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	6/7/1999	--	--	1	NM	ND	NM	--	3	--	ND	--	--	--
	ug/L	7/8/1999	--	--	1	NM	--	NM	ND	--	--	--	--	--	--
	ug/L	12/15/1999	--	--	1	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	6/6/2000	--	--	1	NM	ND	NM	ND	1	--	ND	--	--	--
	ug/L	12/27/2000	--	--	1	NM	ND	NM	ND	1	--	ND	--	--	--
	ug/L	6/4/2001	--	--	1	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	12/3/2001	--	--	1	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	6/10/2002	--	--	1	NM	7	NM	ND	2	--	ND	--	--	--
	ug/L	12/16/2002	--	--	1	NM	1	NM	ND	ND	--	ND	--	--	--
	ug/L	6/9/2003	--	--	1	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	12/8/2003	--	--	1	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	6/29/2004	--	--	1	NM	ND	NM	ND	ND	ND	ND	--	--	--
	ug/L	12/20/2004	--	--	1	NM	ND	NM	ND	ND	ND	ND	--	--	--
	ug/L	6/5/2005	--	--	1	NM	ND	NM	ND	ND	ND	ND	--	--	--
	ug/L	12/5/2005	--	--	1	NM	ND	NM	ND	ND	ND	ND	--	--	--
	ug/L	6/5/2006	--	--	1	NM	ND	NM	ND	ND	ND	ND	--	--	--
	ug/L	12/5/2006	--	--	1	NM	ND	NM	ND	ND	ND	ND	--	--	--
	ug/L	5/30/2007	0.5	1	1	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	11/19/2007	0.24	0.5	1	NM	<0.24	NM	<0.24	<0.24	0.34	ND	--	ND	--
	ug/L	5/19/2008	0.24	0.5	1	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	<0.24	--	<0.24	NM
	ug/L	11/19/2008	0.15	0.5	1	0.29 J	0.49 J	0.34 J	0.4 J	0.28 J	0.29 J	0.31 J	0.32 J	0.28 J	NM
Chromium - (NC 2L = 50 ug/L)	ug/L	9/19/1994	--	--	5	NM	25	NM	--	699	--	139	--	--	--
SWID # = 51	ug/L	12/2/1994	--	--	5	NM	ND	NM	--	142	--	9.7	--	--	--
	ug/L	2/7/1995	--	--	5	NM	ND	NM	--	128	--	8.3	--	--	--
	ug/L	3/13/1995	--	--	5	NM	ND	NM	--	36	--	13	--	--	--
	ug/L	11/1/1995	--	--	5	NM	ND	NM	--	129	--	6	--	--	--
	ug/L	6/10/1996	--	--	5	NM	ND	NM	--	12	--	ND	--	--	--
	ug/L	11/12/1996	--	--	5	NM	ND	NM	--	19	--	9	--	--	--
	ug/L	3/18/1997	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	10/2/1997	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	5/26/1998	--	--	5	NM	ND	NM	--	6	--	ND	--	--	--
	ug/L	12/1/1998	--	--	5	NM	ND	NM	--	ND	--	11	--	--	--
	ug/L	6/7/1999	--	--	5	NM	ND	NM	--	7	--	ND	--	--	--
	ug/L	7/8/1999	--	--	5	NM	--	NM	108	--	--	--	--	--	--
	ug/L	12/15/1999	--	--	5	NM	5	NM	5	5	--	5	--	--	--
	ug/L	6/6/2000	--	--	5	NM	5	NM	5	7	--	5	--	--	--
	ug/L	12/27/2000	--	--	5	NM	7	NM	ND	150	--	ND	--	--	--
	ug/L	6/4/2001	--	--	5	NM	ND	NM	ND	ND	--	13	--	--	--
	ug/L	12/3/2001	--	--	5	NM	ND	NM	ND	24	--	ND	--	--	--
	ug/L	6/10/2002	--	--	5	NM	ND	NM	ND	7	--	6	--	--	--
	ug/L	12/16/2002	--	--	5	NM	ND	NM	30	ND	--	17	--	--	--
	ug/L	6/9/2003	--	--	5	NM	5	NM	9	ND	--	10	--	--	--
	ug/L	12/8/2003	--	--	5	NM	ND	NM	17	40	--	10	--	--	--
	ug/L	6/29/2004	--	--	5	NM	13	NM	ND	16	13	12	--	--	--
	ug/L	12/20/2004	--	--	5	NM	6	NM	ND	67	7	ND	--	--	--
	ug/L	6/5/2005	--	--	5	NM	ND	NM	ND	14	18	ND	--	--	--
	ug/L	12/5/2005	--	--	5	NM	5	NM	5	22	7	ND	--	--	--
	ug/L	6/5/2006	--	--	5	NM	6	NM	ND	41	9	ND	--	--	--
	ug/L	12/5/2006	--	--	5	NM	ND	NM	ND	5	ND	ND	--	--	--
	ug/L	5/30/2007	2	10	10	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	11/19/2007	2.3	10	10	NM	4.7	NM	2.3	8.8	18	20	--	<2.3	--
	ug/L	5/19/2008	2.3	10	10	<2.3	<2.3	2.4	<2.3	<2.3	<2.3	<2.3	--	<2.3	NM
	ug/L	11/19/2008	2	10	10	<2.0	<2.0	3.0 J	2.5 J	<2.0	<2.0	2.3 J	6.3 J	<2.0	NM

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Cobalt - (GPS = 70 ug/L)	ug/L	9/19/1994	--	--	--	NM	ND	NM	--	89	--	32	--	--	--
SWID # = 53	ug/L	12/2/1994	--	--	--	NM	ND	NM	--	39	--	ND	--	--	--
	ug/L	2/7/1995	--	--	--	NM	ND	NM	--	23	--	ND	--	--	--
	ug/L	3/13/1995	--	--	--	NM	ND	NM	--	18	--	ND	--	--	--
	ug/L	11/1/1995	--	--	10	NM	ND	NM	--	47	--	ND	--	--	--
	ug/L	6/10/1996	--	--	10	NM	ND	NM	--	ND	--	12	--	--	--
	ug/L	11/12/1996	--	--	10	NM	ND	NM	--	ND	--	13	--	--	--
	ug/L	3/18/1997	--	--	10	NM	ND	NM	--	ND	--	16	--	--	--
	ug/L	10/2/1997	--	--	10	NM	ND	NM	--	ND	--	21.5	--	--	--
	ug/L	5/26/1998	--	--	10	NM	ND	NM	--	ND	--	15	--	--	--
	ug/L	12/1/1998	--	--	25	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	6/7/1999	--	--	10	NM	ND	NM	--	ND	--	14	--	--	--
	ug/L	7/8/1999	--	--	10	NM	--	NM	29	--	--	--	--	--	--
	ug/L	12/15/1999	--	--	10	NM	ND	NM	ND	ND	--	14	--	--	--
	ug/L	6/6/2000	--	--	10	NM	ND	NM	ND	76	--	14	--	--	--
	ug/L	12/27/2000	--	--	10	NM	ND	NM	ND	150	--	19	--	--	--
	ug/L	6/4/2001	--	--	10	NM	ND	NM	ND	60	--	13	--	--	--
	ug/L	12/3/2001	--	--	10	NM	ND	NM	ND	11	--	17	--	--	--
	ug/L	6/10/2002	--	--	10	NM	ND	NM	ND	14	--	20	--	--	--
	ug/L	12/16/2002	--	--	10	NM	ND	NM	11	ND	--	25	--	--	--
	ug/L	6/9/2003	--	--	10	NM	ND	NM	ND	ND	--	16	--	--	--
	ug/L	12/8/2003	--	--	10	NM	ND	NM	ND	65	--	16	--	--	--
	ug/L	6/29/2004	--	--	10	NM	ND	NM	ND	ND	ND	26	--	--	--
	ug/L	12/20/2004	--	--	5	NM	ND	NM	ND	47	ND	20	--	--	--
	ug/L	6/5/2005	--	--	--	NM	ND	NM	--	--	--	--	--	--	--
	ug/L	12/5/2005	--	--	--	NM	ND	NM	--	--	--	--	--	--	--
	ug/L	6/5/2006	--	--	--	NM	ND	NM	--	--	--	--	--	--	--
	ug/L	12/5/2006	--	--	--	NM	ND	NM	--	--	--	--	--	--	--
	ug/L	5/30/2007	2	10	10	NM	ND	NM	ND	ND	ND	11.2	--	ND	--
	ug/L	11/19/2007	1.1	10	10	NM	2.3	NM	2	2.5	7	21	--	<1.1	--
	ug/L	5/19/2008	1.1	10	10	5.1	<1.1	7.3	<1.1	<1.1	<1.1	2.6	--	<1.1	NM
	ug/L	11/19/2008	1.1	10	10	5.0	<1.1	4.7 J	<1.1	<1.1	<1.1	7.8 J	16	<1.1	NM
Copper - (NC 2L = 1000 ug/L)	ug/L	9/19/1994	--	--	5	NM	7	NM	--	598	--	73	--	--	--
SWID # = 54	ug/L	12/2/1994	--	--	5	NM	ND	NM	--	113	--	7.3	--	--	--
	ug/L	2/7/1995	--	--	5	NM	ND	NM	--	75	--	5.2	--	--	--
	ug/L	3/13/1995	--	--	5	NM	ND	NM	--	58	--	6.8	--	--	--
	ug/L	11/1/1995	--	--	5	NM	ND	NM	--	145	--	ND	--	--	--
	ug/L	6/10/1996	--	--	5	NM	ND	NM	--	8.7	--	ND	--	--	--
	ug/L	11/12/1996	--	--	5	NM	ND	NM	--	10	--	ND	--	--	--
	ug/L	3/18/1997	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	10/2/1997	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	5/26/1998	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	12/1/1998	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	6/7/1999	--	--	5	NM	ND	NM	--	10	--	ND	--	--	--
	ug/L	7/8/1999	--	--	5	NM	--	NM	89	--	--	--	--	--	--
	ug/L	12/15/1999	--	--	5	NM	5	NM	5	6	--	5	--	--	--
	ug/L	6/6/2000	--	--	5	NM	5	NM	5	--	--	5	--	--	--
	ug/L	12/27/2000	--	--	5	NM	5	NM	5	34	--	ND	--	--	--
	ug/L	6/4/2001	--	--	5	NM	ND	NM	ND	28	--	ND	--	--	--
	ug/L	12/3/2001	--	--	5	NM	ND	NM	ND	15	--	ND	--	--	--
	ug/L	6/10/2002	--	--	5	NM	ND	NM	ND	20	--	7	--	--	--
	ug/L	12/16/2002	--	--	5	NM	ND	NM	20	16	--	23	--	--	--
	ug/L	6/9/2003	--	--	5	NM	ND	NM	ND	14	--	8	--	--	--
	ug/L	12/8/2003	--	--	5	NM	ND	NM	6	26	--	7	--	--	--
	ug/L	6/29/2004	--	--	5	NM	5	NM	ND	--	12	5	--	--	--
	ug/L	12/20/2004	--	--	5	NM	ND	NM	ND	--	ND	6	--	--	--
	ug/L	6/5/2005	--	--	2	NM	ND	NM	ND	--	11	ND	--	--	--
	ug/L	12/5/2005	--	--	2	NM	4	NM	4	--	ND	ND	--	--	--
	ug/L	6/5/2006	--	--	2	NM	3	NM	3	--	7	4	--	--	--
	ug/L	12/5/2006	--	--	2	NM	ND	NM	ND	--	ND	ND	--	--	--
	ug/L	5/30/2007	0.6	10	10	NM	1.1 B	NM	1.7 B	ND	0.6 B	ND	--	ND	--
	ug/L	11/19/2007	0.45	1	10	NM	2.1	NM	1.1	4	7.2	17	--	1.1	--
	ug/L	5/19/2008	0.45	1	10	2.4	1.8	7.3	4.6	1.7	1.3	1.8	--	5.7	NM
	ug/L	11/19/2008	0.48	1	10	1.2 J	1.4 J	3.4 J	1.5 J	1.3 J	1.2 J	2.6 J	3.7 J	1.1 J	NM

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Blanks = field, trip and method blanks
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Shaded = Concentrations above the NC 2L or Solid Waste Section Groundwater Protection Standards have been shaded
* Sample data from 9/94 through 12/98 compiled and reported by Malcolm Pirnie, Inc.
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* Sample data from 5/07 collected, compiled and reported by Golder Associates.
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City of Durham Closed Municipal Soild Waste Landfill
S&ME Project No. 1054-07-469
Permit No. 32-01

Detected Monitoring Constituents/Analytes	Units	Sample Date	Detection Limit	Quantitation Limit	Solid Waste Section Limits	Background Well MW-9R	MW-2	MW-3R	MW-4R	MW-5	MW-7R	MW-8	MW-10	Equipment Blank	Trip Blank
Lead - (NC 2L = 15 ug/L)	ug/L	9/19/1994	--	--	5	NM	ND	NM	--	199	--	47	--	--	--
SWID # = 131	ug/L	12/2/1994	--	--	5	NM	14	NM	--	77	--	10	--	--	--
	ug/L	2/7/1995	--	--	5	NM	7.8	NM	--	63	--	12	--	--	--
	ug/L	3/13/1995	--	--	5	NM	ND	NM	--	35	--	63	--	--	--
	ug/L	11/1/1995	--	--	5	NM	ND	NM	--	60	--	ND	--	--	--
	ug/L	6/10/1996	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	11/12/1996	--	--	5	NM	ND	NM	--	8	--	ND	--	--	--
	ug/L	3/18/1997	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	10/2/1997	--	--	5	NM	ND	NM	--	14	--	7	--	--	--
	ug/L	5/26/1998	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	12/1/1998	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	6/7/1999	--	--	5	NM	ND	NM	--	8	--	ND	--	--	--
	ug/L	7/8/1999	--	--	5	NM	--	NM	29	--	--	--	--	--	--
	ug/L	12/15/1999	--	--	5	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	6/6/2000	--	--	5	NM	ND	NM	ND	16	--	ND	--	--	--
	ug/L	12/27/2000	--	--	5	NM	10	NM	ND	82	--	ND	--	--	--
	ug/L	6/4/2001	--	--	5	NM	8	NM	ND	68	--	ND	--	--	--
	ug/L	12/3/2001	--	--	5	NM	ND	NM	ND	23	--	ND	--	--	--
	ug/L	6/10/2002	--	--	5	NM	ND	NM	ND	7	--	ND	--	--	--
	ug/L	12/16/2002	--	--	5	NM	5	NM	8	ND	--	12	--	--	--
	ug/L	6/9/2003	--	--	5	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	12/8/2003	--	--	5	NM	ND	NM	ND	47	--	ND	--	--	--
	ug/L	6/28/2004	--	--	5	NM	ND	NM	28	11	6	ND	--	--	--
	ug/L	12/20/2004	--	--	5	NM	ND	NM	ND	75	ND	ND	--	--	--
	ug/L	6/5/2005	--	--	5	NM	ND	NM	ND	39	7	ND	--	--	--
	ug/L	12/7/2005	--	--	5	NM	ND	NM	ND	13	ND	ND	--	--	--
	ug/L	6/5/2006	--	--	5	NM	ND	NM	ND	38	ND	ND	--	--	--
	ug/L	12/5/2006	--	--	5	NM	ND	NM	ND	12	ND	ND	--	--	--
	ug/L	5/30/2007	2	10	10	NM	ND	NM	ND	ND	ND	ND	--	3.1 J	--
	ug/L	11/19/2007	2.4	5	10	NM	11	NM	3.8	5.1	13	17	--	3.5	--
	ug/L	5/19/2008	2.4	5	5	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	--	<2.4	NM
	ug/L	11/19/2008	0.13	1	10	3.2 J	0.5 J	1.3 J	0.19 J	0.29 J	4.7 J	1.2 J	3.8 J	3.1 J	NM
Mercury - (NC 2L=1.05 ug/L)	ug/L	12/1/1998	--	--	0.2	NM	ND	NM	--	ND	--	ND	--	--	--
SWID # = 132	ug/L	6/7/1999	--	--	0.2	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	7/8/1999	--	--	0.2	NM	--	NM	ND	--	--	--	--	--	--
	ug/L	12/15/1999	--	--	5	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	6/6/2000	--	--	5	NM	ND	NM	ND	16	--	ND	--	--	--
	ug/L	12/27/2000	--	--	5	NM	10	NM	ND	82	--	ND	--	--	--
	ug/L	6/4/2001	--	--	5	NM	8	NM	ND	68	--	ND	--	--	--
	ug/L	12/3/2001	--	--	5	NM	ND	NM	ND	23	--	ND	--	--	--
	ug/L	6/10/2002	--	--	5	NM	ND	NM	ND	7	--	ND	--	--	--
	ug/L	12/16/2002	--	--	5	NM	5	NM	8	ND	--	12	--	--	--
	ug/L	6/9/2003	--	--	5	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	12/8/2003	--	--	5	NM	ND	NM	ND	47	--	ND	--	--	--
	ug/L	6/28/2004	--	--	5	NM	ND	NM	28	11	6	ND	--	--	--
	ug/L	12/20/2004	--	--	5	NM	ND	NM	ND	75	ND	ND	--	--	--
	ug/L	6/5/2005	--	--	5	NM	ND	NM	ND	39	7	ND	--	--	--
	ug/L	12/7/2005	--	--	5	NM	ND	NM	ND	13	ND	ND	--	--	--
	ug/L	6/5/2006	--	--	5	NM	ND	NM	ND	38	ND	ND	--	--	--
	ug/L	12/5/2006	--	--	5	NM	ND	NM	ND	12	ND	ND	--	--	--
	ug/L	5/30/2007	0.11	0.2	0.2	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	11/19/2007	0.044	0.2	0.2	NM	<0.044	NM	<0.044	<0.044	<0.044	<0.044	--	<0.044	--
	ug/L	5/19/2008	0.044	0.2	0.2	<0.044	<0.044	<0.044	<0.044	<0.044	<0.044	<0.044	--	<0.044	NM
	ug/L	11/19/2008	0.044	0.2	0.2	<0.044	<0.044	0.11 J	<0.044	<0.044	<0.044	<0.044	--	<0.044	NM

Notes:
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Detected Monitoring Constituents/Analytes	Units	Sample Date	Detection Limit	Quantitation Limit	Solid Waste Section Limits	Background Well MW-9R	MW-2	MW-3R	MW-4R	MW-5	MW-7R	MW-8	MW-10	Equipment Blank	Trip Blank
Nickel - (NC 2L = 100 ug/L)	ug/L	9/19/1994	--	--	10	NM	15	NM	--	468	--	77	--	--	--
SWID # = 152	ug/L	12/2/1994	--	--	10	NM	ND	NM	--	96	--	14	--	--	--
	ug/L	2/7/1995	--	--	10	NM	ND	NM	--	64	--	ND	--	--	--
	ug/L	3/13/1995	--	--	10	NM	ND	NM	--	61	--	11	--	--	--
	ug/L	11/1/1995	--	--	10	NM	ND	NM	--	68	--	ND	--	--	--
	ug/L	6/10/1996	--	--	10	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	11/12/1996	--	--	10	NM	ND	NM	--	12	--	ND	--	--	--
	ug/L	3/18/1997	--	--	10	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	10/2/1997	--	--	10	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	5/26/1998	--	--	10	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	12/1/1998	--	--	10	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	6/7/1999	--	--	10	NM	ND	NM	--	16	--	ND	--	--	--
	ug/L	7/8/1999	--	--	10	NM	--	NM	37	--	--	--	--	--	--
	ug/L	12/15/1999	--	--	10	NM	10	NM	ND	ND	--	ND	--	--	--
	ug/L	6/6/2000	--	--	10	NM	ND	NM	ND	13	--	ND	--	--	--
	ug/L	12/27/2000	--	--	10	NM	ND	NM	ND	132	--	ND	--	--	--
	ug/L	6/4/2001	--	--	10	NM	ND	NM	11	20	--	ND	--	--	--
	ug/L	12/3/2001	--	--	10	NM	ND	NM	ND	19	--	ND	--	--	--
	ug/L	6/10/2002	--	--	10	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	12/16/2002	--	--	10	NM	ND	NM	ND	ND	--	14	--	--	--
	ug/L	6/9/2003	--	--	10	NM	ND	NM	ND	ND	--	11	--	--	--
	ug/L	12/8/2003	--	--	10	NM	ND	NM	ND	29	--	ND	--	--	--
	ug/L	6/29/2004	--	--	10	NM	12	NM	ND	14	10	ND	--	--	--
	ug/L	12/20/2004	--	--	10	NM	ND	NM	ND	46	10	ND	--	--	--
	ug/L	6/5/2005	--	--	10	NM	ND	NM	ND	13	11	ND	--	--	--
	ug/L	12/5/2005	--	--	10	NM	10	NM	ND	15	ND	ND	--	--	--
	ug/L	6/5/2006	--	--	10	NM	ND	NM	ND	33	ND	ND	--	--	--
	ug/L	12/5/2006	--	--	10	NM	ND	NM	ND	ND	ND	ND	--	--	--
	ug/L	5/30/2007	2	10	50	NM	ND	NM	2.9 J	4.0 J	ND	2.9 J	--	ND	--
	ug/L	11/19/2007	9.8	20	50	NM	9.9	NM	<9.8	11	19	37	--	<9.8	--
	ug/L	5/19/2008	9.8	20	50	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	<9.8	--	<9.8	NM
	ug/L	11/19/2008	9.8	20	50	<9.8	<9.8	11.0 J	<9.8	<9.8	<9.8	<9.8	10.0 J	<9.8	NM
Selenium - (NC 2L = 50 ug/L)	ug/L	9/19/1994	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
SWID # = 183	ug/L	12/2/1994	--	--	5	NM	7.6	NM	--	ND	--	ND	--	--	--
	ug/L	2/7/1995	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	3/13/1995	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	11/1/1995	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	6/10/1996	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	11/12/1996	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	3/18/1997	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	10/2/1997	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	5/26/1998	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	12/1/1998	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	6/7/1999	--	--	5	NM	--	NM	ND	--	--	--	--	--	--
	ug/L	7/8/1999	--	--	5	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	12/15/1999	--	--	5	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	6/6/2000	--	--	5	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	12/27/2000	--	--	5	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	6/4/2001	--	--	5	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	12/3/2001	--	--	5	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	6/10/2002	--	--	5	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	12/16/2002	--	--	5	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	6/9/2003	--	--	5	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	12/8/2003	--	--	5	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	6/29/2004	--	--	5	NM	ND	NM	ND	ND	ND	ND	--	--	--
	ug/L	12/20/2004	--	--	5	NM	ND	NM	ND	ND	ND	ND	--	--	--
	ug/L	6/5/2005	--	--	5	NM	ND	NM	ND	ND	ND	ND	--	--	--
	ug/L	12/5/2005	--	--	5	NM	ND	NM	ND	ND	ND	ND	--	--	--
	ug/L	6/5/2006	--	--	5	NM	ND	NM	ND	ND	ND	ND	--	--	--
	ug/L	12/5/2006	--	--	5	NM	ND	NM	ND	ND	ND	ND	--	--	--
	ug/L	5/30/2007	2	10	10	NM	ND	NM	ND	ND	ND	3.2 B	--	ND	--
	ug/L	11/19/2007	0.43	1	10	NM	0.51	NM	1.5	1.5	1	2.5	--	0.52	--
	ug/L	5/19/2008	0.43	1	10	<0.43	<0.43	0.85	0.47	<0.43	<0.43	<0.43	--	<0.43	NM
	ug/L	11/19/2008	0.32	1	10	0.55 J	<0.32	1.5 J	0.42 J	0.64 J	<0.32	0.67 J	1.5 J	0.36 J	NM

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Silver - (NC 2L = 17.5 ug/L)	ug/L	9/19/1994	--	--	1	NM	ND	NM	--	ND	--	ND	--	--	--
SWID # = 184	ug/L	12/2/1994	--	--	1	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	2/7/1995	--	--	1	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	3/13/1995	--	--	1	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	11/1/1995	--	--	1	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	6/10/1996	--	--	1	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	11/12/1996	--	--	1	NM	2	NM	--	ND	--	ND	--	--	--
	ug/L	3/18/1997	--	--	1	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	10/2/1997	--	--	1	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	5/26/1998	--	--	1	NM	ND	NM	--	ND	--	1	--	--	--
	ug/L	12/1/1998	--	--	1	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	6/7/1999	--	--	1	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	7/8/1999	--	--	1	NM	--	NM	ND	--	--	--	--	--	--
	ug/L	12/15/1999	--	--	1	NM	10	NM	ND	ND	--	ND	--	--	--
	ug/L	6/6/2000	--	--	1	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	12/27/2000	--	--	1	NM	ND	NM	ND	2	--	ND	--	--	--
	ug/L	6/4/2001	--	--	1	NM	3	NM	ND	2	--	ND	--	--	--
	ug/L	12/3/2001	--	--	1	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	6/10/2002	--	--	1	NM	ND	NM	1	ND	--	ND	--	--	--
	ug/L	12/16/2002	--	--	1	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	6/9/2003	--	--	1	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	12/8/2003	--	--	1	NM	ND	NM	ND	3	--	ND	--	--	--
	ug/L	6/29/2004	--	--	1	NM	1	NM	ND	ND	ND	ND	--	--	--
	ug/L	12/20/2004	--	--	1	NM	1	NM	ND	ND	ND	ND	--	--	--
	ug/L	6/5/2005	--	--	1	NM	ND	NM	ND	ND	2	ND	--	--	--
	ug/L	12/5/2005	--	--	1	NM	ND	NM	ND	ND	ND	--	--	--	--
	ug/L	6/5/2006	--	--	1	NM	ND	NM	ND	1	ND	ND	--	--	--
	ug/L	12/5/2006	--	--	1	NM	ND	NM	ND	2	ND	--	--	--	--
	ug/L	5/30/2007	2	10	10	NM	ND	NM	2.0 J	ND	ND	ND	--	ND	--
	ug/L	11/19/2007	2.5	10	10	NM	<2.5	NM	<2.5	<2.5	<2.5	<2.5	--	<2.5	--
	ug/L	5/19/2008	2.5	10	10	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	--	<2.5	NM
	ug/L	11/19/2008	3.2	10	10	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	<3.2	NM
Thallium - (GPS = 0.28 ug/L)	ug/L	9/19/1994	--	--	5	NM	ND	NM	--	6	--	ND	--	--	--
SWID # = 194	ug/L	12/2/1994	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	2/7/1995	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	3/13/1995	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	11/1/1995	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	6/10/1996	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	11/12/1996	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	3/18/1997	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	10/2/1997	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	5/26/1998	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	12/1/1998	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	6/7/1999	--	--	1	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	7/8/1999	--	--	1	NM	--	NM	ND	--	--	--	--	--	--
	ug/L	12/15/1999	--	--	1	NM	ND	NM	ND	ND	--	--	--	--	--
	ug/L	6/6/2000	--	--	1	NM	ND	NM	ND	ND	--	--	--	--	--
	ug/L	12/27/2000	--	--	1	NM	ND	NM	ND	1	--	--	--	--	--
	ug/L	6/4/2001	--	--	1	NM	ND	NM	ND	1	--	--	--	--	--
	ug/L	12/3/2001	--	--	1	NM	ND	NM	ND	ND	--	--	--	--	--
	ug/L	6/10/2002	--	--	1	NM	ND	NM	ND	ND	--	--	--	--	--
	ug/L	12/16/2002	--	--	1	NM	ND	NM	ND	ND	--	--	--	--	--
	ug/L	6/9/2003	--	--	1	NM	ND	NM	ND	ND	--	--	--	--	--
	ug/L	12/8/2003	--	--	1	NM	ND	NM	ND	ND	--	--	--	--	--
	ug/L	6/29/2004	--	--	1	NM	ND	NM	ND	ND	ND	ND	--	--	--
	ug/L	12/20/2004	--	--	1	NM	ND	NM	ND	ND	ND	ND	--	--	--
	ug/L	6/5/2005	--	--	1	NM	ND	NM	ND	ND	ND	ND	--	--	--
	ug/L	12/5/2005	--	--	1	NM	ND	NM	ND	ND	ND	ND	--	--	--
	ug/L	6/5/2006	--	--	1	NM	ND	NM	ND	ND	ND	ND	--	--	--
	ug/L	12/5/2006	--	--	1	NM	ND	NM	ND	ND	ND	ND	--	--	--
	ug/L	5/30/2007	0.44	0.05	5.5	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	11/19/2007	0.09	1	5.5	NM	<0.09	NM	<0.09	<0.09	<0.09	<0.09	--	<0.09	--
	ug/L	5/19/2008	0.09	1	5.5	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	--	<0.09	NM
	ug/L	11/19/2008	0.22	1	5.5	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	NM

Notes:
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µS/cm= micro Siemens per centimeter
-- = no data available
Blanks = field, trip and method blanks
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City of Durham Closed Municipal Soild Waste Landfill
S&ME Project No. 1054-07-469
Permit No. 32-01

Detected Monitoring Constituents/Analytes	Units	Sample Date	Detection Limit	Quantitation Limit	Solid Waste Section Limits	Background Well MW-9R	MW-2	MW-3R	MW-4R	MW-5	MW-7R	MW-8	MW-10	Equipment Blank	Trip Blank
Vanadium - (GPS = 3.5 ug/L)	ug/L	9/19/1994	--	--	5	NM	23	NM	--	411	--	122	--	--	--
SWID # = 209	ug/L	12/2/1994	--	--	5	NM	ND	NM	--	124	--	7.9	--	--	--
	ug/L	2/7/1995	--	--	5	NM	ND	NM	--	99	--	6	--	--	--
	ug/L	3/13/1995	--	--	5	NM	ND	NM	--	85	--	9.4	--	--	--
	ug/L	11/1/1995	--	--	5	NM	ND	NM	--	16	--	7	--	--	--
	ug/L	6/10/1996	--	--	5	NM	ND	NM	--	14	--	ND	--	--	--
	ug/L	11/12/1996	--	--	5	NM	ND	NM	--	25	--	12	--	--	--
	ug/L	3/18/1997	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	10/2/1997	--	--	5	NM	ND	NM	--	ND	--	5.8	--	--	--
	ug/L	5/26/1998	--	--	5	NM	ND	NM	--	ND	--	5	--	--	--
	ug/L	12/1/1998	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	6/7/1999	--	--	5	NM	ND	NM	--	11	--	ND	--	--	--
	ug/L	7/8/1999	--	--	5	NM	--	NM	16	--	--	--	--	--	--
	ug/L	12/15/1999	--	--	5	NM	ND	NM	ND	6	--	6	--	--	--
	ug/L	6/6/2000	--	--	5	NM	ND	NM	ND	23	--	6	--	--	--
	ug/L	12/27/2000	--	--	5	NM	ND	NM	ND	44	--	ND	--	--	--
	ug/L	6/4/2001	--	--	5	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	12/3/2001	--	--	5	NM	ND	NM	ND	26	--	ND	--	--	--
	ug/L	6/10/2002	--	--	5	NM	ND	NM	ND	8	--	9	--	--	--
	ug/L	12/16/2002	--	--	5	NM	ND	NM	ND	ND	--	17	--	--	--
	ug/L	6/9/2003	--	--	5	NM	ND	NM	ND	ND	--	9	--	--	--
	ug/L	12/8/2003	--	--	5	NM	ND	NM	ND	43	--	5	--	--	--
	ug/L	6/29/2004	--	--	5	NM	ND	NM	ND	17	12	ND	--	--	--
	ug/L	12/20/2004	--	--	5	NM	ND	NM	ND	69	5	5	--	--	--
	ug/L	6/5/2005	--	--	5	NM	ND	NM	ND	17	17	ND	--	--	--
	ug/L	12/5/2005	--	--	5	NM	ND	NM	ND	16	ND	ND	--	--	--
	ug/L	6/5/2006	--	--	5	NM	ND	NM	ND	42	7	ND	--	--	--
	ug/L	12/5/2006	--	--	5	NM	ND	NM	ND	7	ND	ND	--	--	--
	ug/L	5/30/2007	1	10	25	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	11/19/2007	2.9	10	25	NM	3.1	NM	ND	3.8	13	17	--	ND	--
	ug/L	5/19/2008	2.9	10	25	4.0	ND	9.0	ND	ND	ND	ND	--	ND	NM
	ug/L	11/19/2008	1.9	10	25	<1.9	<1.9	2.3 J	<1.9	<1.9	<1.9	<1.9	3.6 J	<1.9	NM

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Permit No. 32-01

Detected Monitoring Constituents/Analytes	Units	Sample Date	Detection Limit	Quantitation Limit	Solid Waste Section Limits	Background Well MW-9R	MW-2	MW-3R	MW-4R	MW-5	MW-7R	MW-8	MW-10	Equipment Blank	Trip Blank
Zinc - (NC 2L = 1050 ug/L)	ug/L	9/19/1994	--	--	10	NM	34	NM	--	1030	--	207	--	--	--
SWID # = 213	ug/L	12/2/1994	--	--	10	NM	ND	NM	--	202	--	ND	--	--	--
	ug/L	2/7/1995	--	--	10	NM	ND	NM	--	183	--	70	--	--	--
	ug/L	3/13/1995	--	--	10	NM	ND	NM	--	185	--	59	--	--	--
	ug/L	11/1/1995	--	--	10	NM	ND	NM	--	225	--	ND	--	--	--
	ug/L	6/10/1996	--	--	10	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	11/12/1996	--	--	10	NM	ND	NM	--	26	--	11	--	--	--
	ug/L	3/18/1997	--	--	10	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	10/2/1997	--	--	10	NM	23	NM	--	ND	--	ND	--	--	--
	ug/L	5/26/1998	--	--	10	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	12/1/1998	--	--	10	NM	11	NM	--	ND	--	ND	--	--	--
	ug/L	6/7/1999	--	--	10	NM	31	NM	--	31	--	92	--	--	--
	ug/L	7/8/1999	--	--	10	NM	--	NM	64	--	--	--	--	--	--
	ug/L	12/15/1999	--	--	10	NM	38	NM	56	50	--	33	--	--	--
	ug/L	6/6/2000	--	--	10	NM	17	NM	ND	28	--	ND	--	--	--
	ug/L	12/27/2000	--	--	10	NM	28	NM	257	414	--	ND	--	--	--
	ug/L	6/4/2001	--	--	10	NM	24	NM	162	269	--	121	--	--	--
	ug/L	12/3/2001	--	--	10	NM	59	NM	214	55	--	249	--	--	--
	ug/L	6/10/2002	--	--	10	NM	52	NM	141	20	--	168	--	--	--
	ug/L	12/16/2002	--	--	10	NM	12	NM	26	14	--	37	--	--	--
	ug/L	6/9/2003	--	--	10	NM	19	NM	10	ND	--	27	--	--	--
	ug/L	12/8/2003	--	--	10	NM	18	NM	13	216	--	11	--	--	--
	ug/L	6/29/2004	--	--	10	NM	18	NM	ND	35	59	ND	--	--	--
	ug/L	12/20/2004	--	--	10	NM	52	NM	ND	134	15	13	--	--	--
	ug/L	6/5/2005	--	--	10	NM	44	NM	ND	103	55	20	--	--	--
	ug/L	12/5/2005	--	--	10	NM	74	NM	ND	35	ND	ND	--	--	--
	ug/L	6/5/2006	--	--	10	NM	31	NM	ND	98	18	ND	--	--	--
	ug/L	12/5/2006	--	--	10	NM	14	NM	ND	26	ND	ND	--	--	--
	ug/L	5/30/2007	1	10	10	NM	10.4 B	NM	1.1 B	3.3 B	12.3	4.4 B	--	2.4 J	--
	ug/L	11/19/2007	3	10	10	NM	21	NM	20	58	66	52	--	90	--
	ug/L	5/19/2008	3	10	10	12	8.7	45	30	54	34	4.6	--	<3.0	NM
	ug/L	11/19/2008	3.3	10	10	7.7	14	23	22	58	26	9.8 J	26	<3.3	NM
Acetone - (NC 2L = 700 ug/L)	ug/L	9/19/1994	--	--	--	NM	--	NM	--	--	--	--	--	--	--
SWID # = 3	ug/L	12/2/1994	--	--	--	NM	--	NM	--	--	--	--	--	--	--
	ug/L	2/7/1995	--	--	--	NM	ND	NM	--	ND	--	49.8	--	--	--
	ug/L	3/13/1995	--	--	--	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	11/1/1995	--	--	--	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	6/10/1996	--	--	25	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	11/12/1996	--	--	25	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	3/18/1997	--	--	25	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	10/2/1997	--	--	25	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	5/26/1998	--	--	20	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	12/1/1998	--	--	20	NM	ND	NM	--	ND	--	235	--	ND	--
	ug/L	2/26/1999	--	--	20	NM	--	NM	--	--	--	ND	--	--	--
	ug/L	6/7/1999	--	--	20	NM	ND	NM	--	ND	--	ND	--	ND	--
	ug/L	7/8/1999	--	--	20	NM	--	NM	ND	--	--	--	--	--	--
	ug/L	12/15/1999	--	--	50	NM	ND	NM	ND	ND	--	ND	--	ND	--
	ug/L	6/6/2000	--	--	50	NM	ND	NM	ND	ND	--	ND	--	ND	--
	ug/L	12/27/2000	--	--	20	NM	ND	NM	ND	ND	--	ND	--	ND	--
	ug/L	6/4/2001	--	--	20	NM	ND	NM	ND	ND	--	ND	--	ND	--
	ug/L	12/3/2001	--	--	20	NM	ND	NM	ND	ND	--	ND	--	ND	--
	ug/L	6/10/2002	--	--	20	NM	ND	NM	ND	ND	--	ND	--	ND	--
	ug/L	12/16/2002	--	--	20	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	6/9/2003	--	--	20	NM	ND	NM	ND	ND	--	ND	--	ND	--
	ug/L	12/8/2003	--	--	20	NM	ND	NM	ND	ND	--	ND	--	ND	--
	ug/L	6/29/2004	--	--	20	NM	ND	NM	ND	ND	--	ND	--	ND	--
	ug/L	12/20/2004	--	--	10	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	6/5/2005	--	--	10	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	12/5/2005	2.5	--	10	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	6/5/2006	--	--	10	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	12/5/2006	--	--	10	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	5/30/2007	0.9	5	100	NM	ND	NM	ND	ND	ND	1.7 B	--	3.8 J	3.2 J
	ug/L	11/19/2007	8.9	50	100	NM	<8.9	NM	<8.9	<8.9	<8.9	<8.9	--	<8.9	<8.9
	ug/L	5/19/2008	8.9	50	100	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	--	13	13
	ug/L	11/19/2008	8.9	50	100	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	<8.9	--	<8.9	<8.9

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Benzene - (NC 2L= 1 ug/L)	ug/L	9/19/1994	--	--	--	NM	--	NM	--	--	--	ND	--	--	--
SWID # = 16	ug/L	12/2/1994	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	2/7/1995	--	--	--	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	3/13/1995	--	--	--	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	11/1/1995	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	6/10/1996	--	--	1	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	9/3/1996	--	--	--	NM	--	NM	--	--	--	--	--	--	--
	ug/L	10/2/1996	--	--	--	NM	--	NM	--	--	--	--	--	--	--
	ug/L	11/2/1996	--	--	1	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	3/18/1997	--	--	1	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	10/2/1997	--	--	1	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	5/26/1998	--	--	1	NM	ND	NM	--	ND	--	ND	--	ND	--
	ug/L	12/1/1998	--	--	1	NM	ND	NM	--	ND	--	ND	--	ND	--
	ug/L	6/7/1999	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	7/8/1999	--	--	5	NM	--	NM	ND	--	--	--	--	ND	--
	ug/L	12/15/1999	--	--	5	NM	ND	NM	ND	ND	--	ND	--	ND	--
	ug/L	6/6/2000	--	--	5	NM	ND	NM	ND	ND	--	ND	--	ND	--
	ug/L	12/27/2000	--	--	5	NM	ND	NM	ND	ND	--	ND	--	ND	--
	ug/L	6/4/2001	--	--	5	NM	ND	NM	ND	ND	--	ND	--	ND	--
	ug/L	12/3/2001	--	--	5	NM	ND	NM	ND	ND	--	ND	--	ND	--
	ug/L	6/10/2002	--	--	5	NM	ND	NM	ND	ND	--	ND	--	ND	--
	ug/L	12/16/2002	--	--	5	NM	ND	NM	ND	ND	--	ND	--	ND	--
	ug/L	6/9/2003	--	--	5	NM	ND	NM	ND	ND	--	ND	--	ND	--
	ug/L	12/8/2003	--	--	3	NM	ND	NM	ND	ND	--	ND	--	ND	--
	ug/L	6/29/2004	--	--	3	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	12/20/2004	--	--	0.5	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	6/5/2005	--	--	0.5	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	12/5/2005	0.14	--	0.5	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	6/5/2006	--	--	0.5	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	12/5/2006	--	--	0.5	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	5/30/2007	0.12	1	1	NM	ND	NM	ND	ND	ND	ND	--	ND	ND
	ug/L	11/19/2007	0.29	1	1	NM	<0.29	NM	<0.29	<0.29	<0.29	<0.29	--	<0.29	<0.29
	ug/L	5/19/2008	0.29	1	1	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	--	<0.29	<0.29
	ug/L	11/19/2008	0.29	1	1	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	4.0	<0.29	<0.29
Chlorobenzene - (NC 2L= 50 ug/L)	ug/L	9/19/1994	--	--	--	NM	ND	NM	--	ND	--	ND	--	--	--
SWID # = 39	ug/L	12/2/1994	--	--	--	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	2/7/1995	--	--	--	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	3/13/1995	--	--	--	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	11/1/1995	--	--	--	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	6/10/1996	--	--	--	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	9/3/1996	--	--	--	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	10/2/1996	--	--	--	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	11/12/1996	--	--	--	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	3/18/1997	--	--	--	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	10/2/1997	--	--	--	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	12/1/1998	--	--	--	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	6/7/1999	--	--	--	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	7/8/1999	--	--	--	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	12/15/1999	--	--	--	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	6/6/2000	--	--	--	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	12/27/2000	--	--	--	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	6/4/2001	--	--	--	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	12/3/2001	--	--	--	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	6/10/2002	--	--	--	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	12/16/2002	--	--	--	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	6/9/2003	--	--	--	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	12/8/2003	--	--	1	NM	ND	NM	ND	ND	--	ND	--	ND	--
	ug/L	6/29/2004	--	--	1	NM	ND	NM	ND	ND	--	ND	--	ND	--
	ug/L	12/20/2004	--	--	1	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	6/5/2005	--	--	1	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	12/5/2005	0.24	--	1	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	6/5/2006	--	--	1	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	12/5/2006	--	--	1	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	5/30/2007	0.16	1	3	NM	ND	NM	ND	ND	ND	ND	--	ND	ND
	ug/L	11/19/2007	0.26	1	3	NM	<0.26	NM	<0.26	<0.26	<0.26	<0.26	--	<0.26	<0.26
	ug/L	5/19/2008	0.26	1	3	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	--	<0.26	<0.26
	ug/L	11/19/2008	0.26	1	3	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	<0.26	--	<0.26	<0.26

Notes:
ug/L = micrograms per liter
mg/L= milligrams per liter
S.U. = Standard Units
NTU = Nephelometric Turbidity Units
mV= millivolts
ND = Not detected at the stated reporting limit
ORP= Oxidation Reduction Potential
µS/cm= micro Siemens per centimeter
-- = no data available
Blanks = field, trip and method blanks
NM= not measured/analyzed
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Shaded = Concentrations above the NC 2L or Solid Waste Section Groundwater Protection Standards have been shaded
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City of Durham Closed Municipal Soild Waste Landfill
S&ME Project No. 1054-07-469
Permit No. 32-01

Detected Monitoring Constituents/Analytes	Units	Sample Date	Detection Limit	Quantitation Limit	Solid Waste Section Limits	Background Well MW-9R	MW-2	MW-3R	MW-4R	MW-5	MW-7R	MW-8	MW-10	Equipment Blank	Trip Blank
1,4-Dichlorobenzene - (NC 2L= 1.4 ug/L)	ug/l	12/8/2003	--	--	1	NM	ND	NM	ND	ND	--	ND	--	ND	--
SWID # = 71	ug/l	6/28/2004	--	--	1	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/l	12/20/2004	--	--	1	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/l	6/5/2005	--	--	1	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/l	12/5/2005	0.32	--	1	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/l	6/5/2006	--	--	1	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/l	12/5/2006	--	--	1	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/l	5/30/2007	0.15	1	1	NM	ND	NM	ND	ND	ND	ND	--	ND	ND
	ug/L	11/19/2007	0.3	1	1	NM	<3.0	NM	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
	ug/L	5/19/2008	0.3	1	1	NM	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	--	<3.0	<3.0
	ug/L	11/19/2008	0.3	1	1	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	1.3	<3.0	<3.0
1,1-Dichloroethane - (NC 2L= 70 ug/L)	ug/L	12/8/2003	--	--	5	NM	ND	NM	ND	ND	--	ND	--	ND	--
SWID # = 75	ug/L	6/28/2004	--	--	5	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	12/20/2004	--	--	1	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	6/5/2005	--	--	1	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	12/5/2005	0.38	--	1	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	6/5/2006	--	--	1	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	12/5/2006	--	--	1	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	5/30/2007	0.09	1	5	NM	ND	NM	ND	ND	ND	ND	--	ND	ND
	ug/L	11/19/2007	0.31	1	5	NM	<0.31	NM	<0.31	<0.31	<0.31	<0.31	--	<0.31	<0.31
	ug/L	5/19/2008	0.31	1	5	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	--	<0.31	<0.31
	ug/L	11/19/2008	0.31	1	5	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	9.8	<0.31	<0.31
cis-1,2-Dichloroethene - (NC 2L= 70 ug/L)	ug/L	9/22/1994	--	--	--	NM	--	NM	--	--	--	--	--	--	--
SWID # = 78	ug/L	12/2/1994	--	--	--	NM	--	NM	--	--	--	--	--	--	--
	ug/L	2/7/1995	--	--	--	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	3/13/1995	--	--	--	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	11/1/1995	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	6/7/1996	--	--	1	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	9/3/1996	--	--	--	NM	--	NM	--	--	--	--	--	--	--
	ug/L	11/13/1996	--	--	1	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	3/18/1997	--	--	1	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	10/2/1997	--	--	1	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	12/1/1998	--	--	2	NM	ND	NM	--	ND	--	ND	--	ND	--
	ug/L	6/7/1999	--	--	5	NM	ND	NM	--	ND	--	ND	--	ND	--
	ug/L	7/8/1999	--	--	5	NM	--	NM	ND	--	--	--	--	--	--
	ug/L	12/15/1999	--	--	5	NM	ND	NM	ND	ND	--	ND	--	ND	--
	ug/L	6/6/2000	--	--	5	NM	ND	NM	ND	ND	--	ND	--	ND	--
	ug/L	12/13/2000	--	--	5	NM	ND	NM	ND	ND	--	ND	--	ND	--
	ug/L	6/4/2001	--	--	5	NM	ND	NM	ND	ND	--	ND	--	ND	--
	ug/L	12/3/2001	--	--	5	NM	ND	NM	ND	ND	--	ND	--	ND	--
	ug/L	6/10/2002	--	--	5	NM	ND	NM	ND	ND	--	ND	--	ND	--
	ug/L	12/16/2002	--	--	5	NM	ND	NM	ND	ND	--	ND	--	ND	--
	ug/L	6/9/2003	--	--	5	NM	ND	NM	ND	ND	--	ND	--	ND	--
	ug/L	12/8/2003	--	--	5	NM	ND	NM	ND	ND	--	ND	--	ND	--
	ug/L	6/28/2004	--	--	5	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	12/20/2004	--	--	1	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	6/5/2005	--	--	1	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	12/5/2005	0.47	--	1	NM	1.1	NM	ND	ND	ND	ND	--	ND	--
	ug/L	6/5/2006	--	--	1	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	12/5/2006	--	--	1	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	5/30/2007	0.14	1	5	NM	ND	NM	ND	ND	ND	ND	--	ND	ND
	ug/L	11/19/2007	0.38	1	5	NM	0.62	NM	<0.38	<0.38	<0.38	<0.38	--	<0.38	<0.38
	ug/L	5/19/2008	0.38	1	5	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	--	<0.38	<0.38
	ug/L	11/19/2008	0.38	1	5	<0.38	0.84 J	<0.38	<0.38	<0.38	<0.38	<0.38	370	<0.38	<0.38

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Detected Monitoring Constituents/Analytes	Units	Sample Date	Detection Limit	Quantitation Limit	Solid Waste Section Limits	Background Well MW-9R	MW-2	MW-3R	MW-4R	MW-5	MW-7R	MW-8	MW-10	Equipment Blank	Trip Blank
trans-1,2-Dichloroethene - (NC 2L= 100 ug/L) SWID # = 79	ug/L	12/8/2003	--	--	5	NM	ND	NM	ND	ND	--	ND	--	ND	--
	ug/L	6/28/2004	--	--	5	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	12/20/2004	--	--	2	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	6/5/2005	--	--	2	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	12/5/2005	0.56	--	2	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	6/5/2006	--	--	2	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	12/5/2006	--	--	2	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	5/30/2007	0.1	1	5	NM	ND	NM	ND	ND	ND	ND	--	ND	ND
	ug/L	11/19/2007	0.3	1	5	NM	<0.3	NM	<0.3	<0.3	<0.3	<0.3	--	<0.3	<0.3
	ug/L	5/19/2008	0.3	1	5	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	--	<0.3	<0.3
	ug/L	11/19/2008	0.3	1	5	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	<0.3	12.0	<0.3	<0.3
1,2-Dichloropropane - (NC 2L= 0.51 ug/L) SWID # = 82	ug/L	12/8/2003	--	--	5	NM	ND	NM	ND	ND	--	ND	--	ND	--
	ug/L	6/28/2004	--	--	5	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	12/20/2004	--	--	1	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	6/5/2005	--	--	1	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	12/5/2005	0.26	--	1	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	6/5/2006	--	--	1	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	12/5/2006	--	--	1	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	5/30/2007	0.18	1	1	NM	ND	NM	ND	ND	ND	ND	--	ND	ND
	ug/L	11/19/2007	0.52	1	1	NM	<0.52	NM	<0.52	<0.52	<0.52	<0.52	--	<0.52	<0.52
	ug/L	5/19/2008	0.52	1	1	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	--	<0.52	<0.52
	ug/L	11/19/2008	0.52	1	1	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	<0.52	**11.0**	<0.52	<0.52
Ethylbenzene - (NC 2L = 550 ug/L) SWID # = 110	ug/L	5/30/2007	--	1	1	NM	ND	NM	ND	ND	ND	ND	--	ND	ND
	ug/L	11/19/2007	0.22	1	1	NM	0.6	NM	<0.22	<0.22	<0.22	<0.22	--	<0.22	<0.22
	ug/L	5/19/2008	0.22	1	1	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	--	<0.22	<0.22
	ug/L	11/19/2008	0.22	1	1	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22
Methylene Chloride - (NC 2L= 4.6 ug/L) SWID # = 140	ug/L	9/22/1994	--	--	--	NM	--	NM	--	--	--	ND	--	--	--
	ug/L	12/2/1994	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	2/7/1995	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	3/13/1995	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	11/1/1995	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	6/7/1996	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	11/13/1996	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	3/18/1997	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	10/2/1997	--	--	5	NM	ND	NM	--	22	--	ND	--	--	--
	ug/L	5/26/1998	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	12/1/1998	--	--	5	NM	ND	NM	--	ND	--	ND	--	ND	--
	ug/L	6/7/1999	--	--	5	NM	ND	NM	--	ND	--	ND	--	ND	--
	ug/L	7/8/1999	--	--	5	NM	--	NM	ND	--	--	--	--	--	--
	ug/L	12/15/1999	--	--	5	NM	ND	NM	ND	ND	--	ND	--	ND	--
	ug/L	6/6/2000	--	--	5	NM	ND	NM	ND	ND	--	ND	--	ND	--
	ug/L	12/22/2000	--	--	5	NM	ND	NM	ND	ND	--	ND	--	ND	--
	ug/L	6/4/2001	--	--	5	NM	ND	NM	ND	ND	--	ND	--	ND	--
	ug/L	12/3/2001	--	--	5	NM	92	NM	ND	68	--	66	--	ND	--
	ug/L	6/10/2002	--	--	5	NM	ND	NM	ND	ND	--	ND	--	ND	--
	ug/L	12/16/2002	--	--	5	NM	ND	NM	ND	ND	--	ND	--	ND	--
	ug/L	6/9/2003	--	--	5	NM	ND	NM	--	ND	--	ND	--	ND	--
	ug/L	12/8/2003	--	--	5	NM	ND	NM	ND	ND	--	ND	--	ND	--
	ug/L	6/28/2004	--	--	5	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	12/20/2004	--	--	2	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	6/5/2005	--	--	2	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	12/5/2005	0.61	--	2	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	6/5/2006	--	--	2	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	12/5/2006	--	--	2	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	5/30/2007	0.088	1	1	NM	ND	NM	ND	ND	ND	ND	--	ND	ND
	ug/L	11/19/2007	0.3	5	1	NM	0.47	NM	<0.30	<0.30	<0.30	<0.30	--	0.038	0.49
	ug/L	5/19/2008	0.3	5	1	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	--	<0.30	<0.30
	ug/L	11/19/2008	0.3	5	1	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Tetrachloroethene - (NC 2L= 0.7 ug/L) SWID # = 192	ug/L	6/5/2005	--	--	1	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	12/5/2005	0.49	--	1	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	6/5/2006	--	--	1	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	12/5/2006	--	--	1	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	5/30/2007	0.25	1	1	NM	ND	NM	ND	ND	ND	ND	--	ND	ND
	ug/L	11/19/2007	0.29	1	1	NM	<0.29	NM	<0.29	<0.29	<0.29	<0.29	--	<0.29	<0.29
	ug/L	5/19/2008	0.29	1	1	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	--	<0.29	<0.29
	ug/L	11/19/2008	0.29	1	1	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	<0.29	**1.8**	<0.29	<0.29

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Table 5
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City of Durham Closed Municipal Solid Waste Landfill
S&ME Project No. 1054-07-469
Permit No. 32-01

Detected Monitoring Constituents/Analytes	Units	Sample Date	Detection Limit	Quantitation Limit	Solid Waste Section Limits	Background Well MW-9R	MW-2	MW-3R	MW-4R	MW-5	MW-7R	MW-8	MW-10	Equipment Blank	Trip Blank
Toluene - (NC 2L= 1000 ug/L) SWID # = 196	ug/L	9/19/1994	--	--	--	NM	--	NM	--	--	--	ND	--	--	--
	ug/L	12/2/1994	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	2/7/1995	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	3/13/1995	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	11/1/1995	--	--	5	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	6/10/1996	--	--	1	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	11/12/1996	--	--	1	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	3/18/1997	--	--	1	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	10/2/1997	--	--	1	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	5/26/1998	--	--	1	NM	ND	NM	--	ND	--	ND	--	--	--
	ug/L	12/1/1998	--	--	1	NM	ND	NM	--	ND	--	ND	--	ND	--
	ug/L	6/7/1999	--	--	5	NM	ND	NM	--	ND	--	ND	--	ND	--
	ug/L	7/8/1999	--	--	5	NM	--	NM	ND	--	--	--	--	--	--
	ug/L	12/15/1999	--	--	5	NM	ND	NM	ND	ND	--	ND	--	ND	--
	ug/L	6/6/2000	--	--	5	NM	ND	NM	ND	ND	--	ND	--	ND	--
	ug/L	12/22/2000	--	--	5	NM	ND	NM	ND	ND	--	ND	--	ND	--
	ug/L	6/4/2001	--	--	5	NM	ND	NM	ND	ND	--	ND	--	ND	--
	ug/L	12/3/2001	--	--	5	NM	ND	NM	ND	ND	--	ND	--	ND	--
	ug/L	6/10/2002	--	--	5	NM	ND	NM	ND	ND	--	ND	--	ND	--
	ug/L	12/16/2002	--	--	5	NM	ND	NM	ND	ND	--	ND	--	ND	--
	ug/L	6/9/2003	--	--	5	NM	ND	NM	ND	ND	--	ND	--	ND	--
	ug/L	12/8/2003	--	--	5	NM	ND	NM	ND	ND	--	ND	--	ND	--
	ug/L	6/29/2004	--	--	5	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	12/20/2004	--	--	1	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	6/5/2005	--	--	1	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	12/5/2005	0.39	--	1	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	6/5/2006	--	--	1	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	12/5/2006	--	--	1	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	5/30/2007	0.15	1	1	NM	ND	NM	ND	ND	ND	ND	--	0.33 J	ND
	ug/L	11/19/2007	0.27	1	1	NM	0.37	NM	<0.27	<0.27	<0.27	<0.27	--	<0.27	<0.27
	ug/L	5/19/2008	0.27	1	1	<0.27	<0.27	<0.27	<0.27	<0.27	0.45	<0.27	--	0.66	<0.27
	ug/L	11/19/2008	0.27	1	1	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	0.44 J
Trichloroethene - (NC 2L= 2.8 ug/L) SWID # = 201	ug/L	12/8/2003	--	--	5	NM	ND	NM	ND	ND	--	ND	--	ND	--
	ug/L	6/28/2004	--	--	5	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	12/20/2004	--	--	2	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	6/5/2005	--	--	2	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	12/5/2005	0.52	--	2	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	6/5/2006	--	--	2	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	12/5/2006	--	--	2	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	5/30/2007	0.23	1	1	NM	ND	NM	ND	ND	ND	ND	--	ND	ND
	ug/L	11/19/2007	0.37	1	1	NM	<0.37	NM	<0.37	<0.37	<0.37	<0.37	--	<0.37	<0.37
	ug/L	5/19/2008	0.37	1	1	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	--	<0.37	<0.37
	ug/L	11/19/2008	0.37	1	1	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	30.0	<0.37	<0.37
Vinyl Chloride - (NC 2L= 0.015 ug/L) SWID # = 211	ug/L	12/8/2003	--	--	10	NM	ND	NM	ND	ND	--	ND	--	ND	--
	ug/L	6/28/2004	--	--	10	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	12/20/2004	--	--	2	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	6/5/2005	--	--	2	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	12/5/2005	0.6	--	2	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	6/5/2006	--	--	2	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	12/5/2006	--	--	2	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	5/30/2007	0.15	1	1	NM	ND	NM	ND	ND	ND	ND	--	ND	ND
	ug/L	11/19/2007	0.27	1	1	NM	<0.27	NM	<0.27	<0.27	<0.27	<0.27	--	<0.27	<0.27
	ug/L	5/19/2008	0.27	1	1	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	--	<0.27	<0.27
	ug/L	11/19/2008	0.27	1	1	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	<0.27	25	<0.27	<0.27
Bis(2-ethylhexyl)phthalate - (NC 2L= 2.5 ug/L) SWID # = 11	ug/L	5/30/2007	1	10	15	NM	1.2 J	NM	1.2 J	ND	ND	ND	--	ND	--
	ug/L	11/19/2007	1.3	10	15	NM	NM	NM	NM	NM	NM	NM	--	NM	NM
	ug/L	5/19/2008	1.3	10	10	ND	ND	ND	ND	ND	ND	ND	--	ND	NM
	ug/L	11/19/2008	1.3	10	10	<1.3	NM	NM	NM	NM	<1.3	NM	NM	NM	NM
1, 4-Naphthoquinone - (No Est. GW Standards) SWID # = 149	ug/L	5/19/2008	3.5	11	10	<3.5	<3.5	<3.5	<3.5	<3.5	18	<3.5	--	<3.5	NM
	ug/L	11/19/2008	3.5	11	10	<3.5	<3.5	<3.5	<3.5	<3.5	18	<3.5	<3.5	<3.5	NM
n-Nitrosodi-n-butylamine - (No Est. GW Standards) SWID # = 162	ug/L	5/19/2008	3.5	11	10	<3.5	<3.5	<3.5	<3.5	<3.5	3.8	3.6	--	3.9	<3.5
	ug/L	11/19/2008	3.5	11	10	<3.5	<3.5	<3.5	<3.5	<3.5	3.8	3.6	<3.5	3.9	<3.5

Notes:
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mg/L= milligrams per liter
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NTU = Nephelometric Turbidity Units
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µS/cm= micro Siemens per centimeter
-- = no data available
Blanks = field, trip and method blanks
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Cyanide - (NC 2L = 70 ug/L) SWID # = 58	ug/L	12/2/1994	--	--	2	NM	--	NM	--	--	--	--	--	--	--
	ug/L	2/7/1995	--	--	2	NM	--	NM	--	--	--	--	--	--	--
	ug/L	3/13/1995	--	--	2	NM	--	NM	--	--	--	--	--	--	--
	ug/L	11/1/1995	--	--	2	NM	--	NM	--	--	--	--	--	--	--
	ug/L	6/10/1996	--	--	2	NM	--	NM	--	--	--	--	--	--	--
	ug/L	11/12/1996	--	--	2	NM	--	NM	--	--	--	--	--	--	--
	ug/L	3/18/1997	--	--	2	NM	--	NM	--	--	--	--	--	--	--
	ug/L	10/2/1997	--	--	2	NM	--	NM	--	--	--	--	--	--	--
	ug/L	5/26/1998	--	--	2	NM	--	NM	--	--	--	--	--	--	--
	ug/L	12/1/1998	--	--	2	NM	--	NM	--	--	--	--	--	--	--
	ug/L	6/7/1999	--	--	2	NM	2	NM	--	ND	--	ND	--	--	--
	ug/L	7/8/1999	--	--	2	NM	--	NM	ND	--	--	--	--	--	--
	ug/L	12/15/1999	--	--	2	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	6/6/2000	--	--	2	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	12/27/2000	--	--	2	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	6/4/2001	--	--	2	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	12/3/2001	--	--	2	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	6/10/2002	--	--	2	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	12/16/2002	--	--	2	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	6/9/2003	--	--	2	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	12/8/2003	--	--	2	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	6/29/2004	--	--	2	NM	ND	NM	ND	ND	2	ND	--	--	--
	ug/L	9/19/2004	--	--	2	NM	--	NM	--	--	--	--	--	--	--
	ug/L	12/20/2004	--	--	2	NM	ND	NM	ND	ND	ND	ND	--	--	--
	ug/L	6/5/2005	--	--	2	NM	ND	NM	ND	ND	ND	2.6	--	--	--
	ug/L	12/5/2005	1.6	--	2	NM	4.3	NM	5	5.4	5.8	3.7	--	5	--
	ug/L	6/5/2006	--	--	2	NM	1.9 J	NM	1.8 J	2.5	ND	2.2	--	--	--
	ug/L	12/5/2006	--	--	2	NM	4.6	NM	5.1	4.9	2.1	5.6	--	--	--
	ug/L	5/30/2007	5.8	10	10000	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	11/19/2007	1.2	5	10	NM	NM	NM	NM	NM	NM	NM	--	NM	NM
	ug/L	5/19/2008	1.2	5	10	<1.2	<1.2	2.5	<1.2	1.3	<1.2	<1.2	--	<1.2	NM
	ug/L	11/19/2008	1.3	5	10	<1.3	NM	NM	NM	NM	<1.3	NM	NM	NM	NM
Sulfide - (No NC 2L Std.) SWID # = 187	ug/L	12/2/1994	--	--	--	NM	--	NM	--	--	--	--	--	--	--
	ug/L	2/7/1995	--	--	--	NM	--	NM	--	--	--	--	--	--	--
	ug/L	3/13/1995	--	--	--	NM	--	NM	--	--	--	--	--	--	--
	ug/L	11/1/1995	--	--	--	NM	--	NM	--	--	--	--	--	--	--
	ug/L	6/10/1996	--	--	--	NM	--	NM	--	--	--	--	--	--	--
	ug/L	11/12/1996	--	--	--	NM	--	NM	--	--	--	--	--	--	--
	ug/L	3/18/1997	--	--	--	NM	--	NM	--	--	--	--	--	--	--
	ug/L	10/2/1997	--	--	--	NM	--	NM	--	--	--	--	--	--	--
	ug/L	5/26/1998	--	--	--	NM	--	NM	--	--	--	--	--	--	--
	ug/L	12/1/1998	--	--	--	NM	--	NM	--	--	--	--	--	--	--
	ug/L	6/7/1999	--	--	200	NM	ND	NM	--	300	--	200	--	--	--
	ug/L	7/8/1999	--	--	--	NM	--	NM	300	--	--	--	--	--	--
	ug/L	12/15/1999	--	--	--	NM	600	NM	900	400	--	200	--	--	--
	ug/L	6/6/2000	--	--	100	NM	100	NM	600	500	--	100	--	--	--
	ug/L	12/27/2000	--	--	--	NM	300	NM	290	520	--	260	--	--	--
	ug/L	6/4/2001	--	--	--	NM	400	NM	400	200	--	300	--	--	--
	ug/L	12/3/2001	--	--	400	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	6/10/2002	--	--	200	NM	ND	NM	ND	ND	--	ND	--	--	--
	ug/L	12/16/2002	--	--	200	NM	300	NM	ND	ND	--	ND	--	--	--
	ug/L	6/9/2003	--	--	200	NM	ND	NM	ND	ND	--	1600	--	--	--
	ug/L	12/8/2003	--	--	2000	NM	ND	NM	12000	ND	--	ND	--	--	--
	ug/L	6/29/2004	--	--	2000	NM	ND	NM	ND	ND	ND	ND	--	--	--
	ug/L	9/19/2004	--	--	--	NM	--	NM	--	--	--	--	--	--	--
	ug/L	12/20/2004	--	--	2000	NM	ND	NM	ND	ND	ND	ND	--	--	--
	ug/L	6/5/2005	--	--	2000	NM	ND	NM	12000	ND	14000	15000	--	--	--
	ug/L	12/5/2005	94	--	2000	NM	ND	NM	ND	ND	ND	ND	--	--	--
	ug/L	6/5/2006	--	--	2000	NM	ND	NM	ND	11000	ND	ND	--	--	--
	ug/L	12/5/2006	--	--	--	NM	16000	NM	17000	14000	15000	12000	--	--	--
	ug/L	5/30/2007	500	1000	1000	NM	ND	NM	ND	ND	ND	ND	--	ND	--
	ug/L	11/19/2007	16	50	1000	NM	NM	NM	NM	NM	NM	NM	--	NM	NM
	ug/L	5/19/2008	16	50	1000	27	<16.0	36	<16.0	21	22	<16.0	--	<16.0	NM
	ug/L	11/19/2008	3.4	50	1000	5.4	NM	NM	NM	NM	<3.4	NM	NM	<3.4	NM

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Ph (field)	S.U.	5/26/1998	--	--	--	NM	6	NM	--	7.2	--	7.3	--	--	--
SWID # = 320		12/1/1998	--	--	--	NM	5	NM	--	6.7	--	6.5	--	--	--
		6/7/1999	--	--	--	NM	6.19	NM	--	6.7	--	5.98	--	--	--
		7/8/1999	--	--	--	NM	--	NM	7.29	--	--	--	--	--	--
		12/13/1999	--	--	--	NM	5.37	NM	6.96	6.88	--	5.96	--	--	--
		6/6/2000	--	--	--	NM	5.8	NM	7.31	7.15	--	6.38	--	--	--
		12/11/2000	--	--	--	NM	5.82	NM	7.14	7.36	--	6.36	--	--	--
		6/4/2001	--	--	--	NM	5.65	NM	7.02	7.27	--	6.6	--	--	--
		12/3/2001	--	--	--	NM	5.45	NM	7.04	7.18	--	6.4	--	--	--
		6/10/2002	--	--	--	NM	5.81	NM	6.74	6.07	--	6.51	--	--	--
		12/16/2002	--	--	--	NM	5.67	NM	7.27	7.6	--	6.24	--	--	--
		6/9/2003	--	--	--	NM	5.44	NM	7.08	7.23	--	6.46	--	--	--
		12/9/2003	--	--	--	NM	5.9	NM	7.67	--	--	7.07	--	--	--
		6/24/2004	--	--	--	NM	5.78	NM	6.96	7.3	7.51	6.37	--	--	--
		12/20/2004	--	--	--	NM	7.39	NM	7.52	7.68	7.85	7.58	--	--	--
		6/8/2005	--	--	--	NM	5.68	NM	6.94	7.23	7.79	6.52	--	--	--
		12/7/2005	--	--	--	NM	5.76	NM	7.13	7.16	7.74	6.09	--	--	--
		6/5/2006	--	--	--	NM	5.93	NM	7.01	7.19	7.78	6.76	--	--	--
		12/5/2006	--	--	--	NM	5.85	NM	7.06	6.95	7.73	6.53	--	--	--
		5/30/2007	--	--	--	NM	6.12	NM	6.67	8.57	7.23	5.55	--	--	--
		11/19/2007	--	--	--	NM	5.27	NM	7.51	6.99	7.3	6.92	--	--	--
		5/19/2008	--	--	--	6.40	5.21	6.27	6.85	7.11	7.78	6.14	--	--	--
		11/19/2008	--	--	--	4.82	5.74	6.4	7.05	7.18	7.87	6.19	5.87	--	--
Conductivity (field)	µS/cm	5/26/1998	--	--	--	NM	80	NM	--	383	--	348	--	--	--
SWID # = 323		12/1/1998	--	--	--	NM	59	NM	--	388	--	406	--	--	--
		6/7/1999	--	--	--	NM	95.1	NM	--	467	--	490	--	--	--
		7/8/1999	--	--	--	NM	--	NM	608	--	--	--	--	--	--
		12/13/1999	--	--	--	NM	81.4	NM	692	487	--	426	--	--	--
		6/6/2000	--	--	--	NM	85.8	NM	726	474	--	479	--	--	--
		12/11/2000	--	--	--	NM	103	NM	463	445	--	460	--	--	--
		6/4/2001	--	--	--	NM	66.5	NM	539	366	--	334	--	--	--
		12/3/2001	--	--	--	NM	107	NM	534	437.1	--	422	--	--	--
		6/10/2002	--	--	--	NM	78	NM	625	444	--	430	--	--	--
		12/16/2002	--	--	--	NM	84	NM	668	529	--	242	--	--	--
		6/9/2003	--	--	--	NM	78	NM	652	543	--	386	--	--	--
		12/8/2003	--	--	--	NM	103	NM	645	--	--	401	--	--	--
		6/28/2004	--	--	--	NM	92	NM	630	471	340	379	--	--	--
		12/20/2004	--	--	--	NM	87	NM	689	583	431	440	--	--	--
		6/8/2005	--	--	--	NM	768	NM	575	467	349	386	--	--	--
		12/8/2005	--	--	--	NM	171	NM	708	623	450	388	--	--	--
		6/5/2006	--	--	--	NM	66	NM	604	535	348	237	--	--	--
		12/5/2006	--	--	--	NM	76	NM	731	724	437	269	--	--	--
		5/30/2006	--	--	--	NM	67	NM	720	748	427	302	--	--	--
		11/19/2007	--	--	--	NM	163	NM	587	639	431	402	--	--	--
		5/19/2008	--	--	--	50	70	1650	770	770	445	146	--	--	--
		11/19/2008	--	--	--	53	104	1584	711	846	423	231	654	--	--
Temperature (field)	℃	5/26/1998	--	--	--	NM	14.6	NM	--	15.3	--	15.2	--	--	--
SWID # = 325		12/1/1998	--	--	--	NM	16	NM	--	16.5	--	16.8	--	--	--
		6/7/1999	--	--	--	NM	15.1	NM	--	15.3	--	16.2	--	--	--
		7/8/1999	--	--	--	NM	--	NM	17.3	--	--	--	--	--	--
		12/13/1999	--	--	--	NM	13.7	NM	16.1	17.5	--	16.3	--	--	--
		6/6/2000	--	--	--	NM	17.4	NM	16.2	15.4	--	16.5	--	--	--
		12/11/2000	--	--	--	NM	14.2	NM	12.6	16	--	14.2	--	--	--
		6/4/2001	--	--	--	NM	15.1	NM	13.6	14.7	--	15.7	--	--	--
		12/3/2001	--	--	--	NM	14.4	NM	15.8	19.4	--	15.7	--	--	--
		6/10/2002	--	--	--	NM	19	NM	15.8	15.2	--	16.3	--	--	--
		12/16/2002	--	--	--	NM	12.6	NM	14.1	15.9	--	14.1	--	--	--
		6/9/2003	--	--	--	NM	15.6	NM	16.4	14.8	--	16.6	--	--	--
		12/8/2003	--	--	--	NM	14.8	NM	14	--	--	14.6	--	--	--
		6/28/2004	--	--	--	NM	17	NM	16.3	15.3	14.4	16.8	--	--	--
		12/20/2004	--	--	--	NM	12.57	NM	13.48	14.59	14.62	13.92	--	--	--
		6/8/2005	--	--	--	NM	16.62	NM	18.58	15.6	15.08	15.69	--	--	--
		12/8/2005	--	--	--	NM	14.4	NM	13.36	15.05	14.51	14.53	--	--	--
		6/5/2006	--	--	--	NM	15.44	NM	15.18	17.5	14.58	15.63	--	--	--
		12/5/2006	--	--	--	NM	14.12	NM	14.91	16.21	14.04	14.15	--	--	--
		5/30/2006	--	--	--	NM	16.1	NM	20.39	20.52	17.11	19.31	--	--	--
		11/19/2007	--	--	--	NM	16.44	NM	16.48	18.07	15.13	17.12	--	--	--
		5/19/2008	--	--	--	16.2	14.41	14.2	14.7	14.46	14.9	14.7	--	--	--
		11/19/2008	--	--	--	16	14.86	15.84	15.45	17.22	14.84	16.01	15.99	--	--

Notes:
ug/L = micrograms per liter
mg/L= milligrams per liter
S.U. = Standard Units
NTU = Nephelometric Turbidity Units
mV= millivolts
ND = Not detected at the stated reporting limit
ORP= Oxidation Reduction Potential
µS/cm= micro Siemens per centimeter
-- = no data available
Blanks = field, trip and method blanks
NM= not measured/analyzed
NS= not sampled

Shaded = Concentrations above the NC 2L or Solid Waste Section Groundwater Protection Standards have been shaded
* Sample data from 9/94 through 12/98 compiled and reported by Malcolm Pirnie, Inc.
* Sample data from 6/99 through 12/06 collected, compiled and reported by Weston Solutions, Inc.
* Sample data from 5/07 collected, compiled and reported by Golder Associates.
* Sample data from11/07 thru 11/08 collected, compiled and reported by S&ME.
* Laboratory data prior to November 2007 was not validated by S&ME. Solid Waste Section Limits = NCPQL from 9/14/94 through 12/5/06 and NCSWSL for 5/30/07 and later

Table 5
Summary of Historically Detected Constituents in Groundwater
City of Durham Closed Municipal Solid Waste Landfill
S&ME Project No. 1054-07-469
Permit No. 32-01

Detected Monitoring Constituents/Analytes	Units	Sample Date	Detection Limit	Quantitation Limit	Solid Waste Section Limits	Background Well MW-9R	MW-2	MW-3R	MW-4R	MW-5	MW-7R	MW-8	MW-10	Equipment Blank	Trip Blank
Turbidity (field)	NTU	5/26/1998	--	--	--	NM	66.2	NM	--	118	--	73.9	--	--	--
SWID # = 330	NTU	12/1/1998	--	--	--	NM	34	NM	--	201	--	14.7	--	--	--
	NTU	6/7/1999	--	--	--	NM	--	NM	--	125	--	172	--	--	--
	NTU	7/8/1999	--	--	--	NM	--	NM	turbid	--	--	--	--	--	--
	NTU	12/13/1999	--	--	--	NM	52.6	NM	265	107	--	127.1	--	--	--
	NTU	6/6/2000	--	--	--	NM	5.74	NM	48.2	686	--	75	--	--	--
	NTU	12/11/2000	--	--	--	NM	>200	NM	51.3	>200	--	161	--	--	--
	NTU	6/4/2001	--	--	--	NM	23.6	NM	35	>1000	--	130	--	--	--
	NTU	12/3/2001	--	--	--	NM	14	NM	11	>999	--	65	--	--	--
	NTU	6/10/2002	--	--	--	NM	6.61	NM	20	--	--	190	--	--	--
	NTU	12/16/2002	--	--	--	NM	12	NM	245	130	--	1000	--	--	--
	NTU	6/9/2003	--	--	--	NM	128	NM	45	75	--	275	--	--	--
	NTU	12/9/2003	--	--	--	NM	110	NM	15	--	--	280	--	--	--
	NTU	6/4/2004	--	--	--	NM	--	NM	--	--	--	--	--	--	--
	NTU	12/20/2004	--	--	--	NM	48	NM	3.5	372	--	32.9	--	--	--
	NTU	6/8/2005	--	--	--	NM	5	NM	8.9	611	275	9.1	--	--	--
	NTU	12/7/2005	--	--	--	NM	63	NM	1	>1000	11	15	--	--	--
	NTU	6/5/2006	--	--	--	NM	70.4	NM	5.3	>1000	133	100	--	--	--
	NTU	12/5/2006	--	--	--	NM	15.8	NM	2.8	597	45	25	--	--	--
	NTU	5/30/2007	--	--	--	NM	0	NM	0	0	>1000	61.8	--	--	--
	NTU	11/19/2007	--	--	--	NM	52	NM	9.3	259	233	121.4	--	--	--
	NTU	5/19/2008	--	--	--	21.5	5.6	60.4	3.1	6.9	3	8.4	--	--	--
	NTU	11/19/2008	--	--	--	11.3	11.4	56.3	3.9	7.4	10.9	14.7	124.2	--	--
ORP (field)	mV	5/30/2007	--	--	--	NM	228	NM	95	--	193	156	--	--	--
SWID # = 336	mV	11/19/2007	--	--	--	NM	218	NM	--	-82	-103	NM	--	--	--
	mV	5/19/2008	--	--	--	291	225.1	40	151	-75.2	-45	49	--	--	--
	mV	11/19/2008	--	--	--	199.3	103.7	-92.4	40.9	-103.7	-69.5	-33.8	-8.8	--	--
Dissolved Oxygen (field)	mg/L	12/1/2001	--	--	--	NM	4.00	NM	3.90	3.50	--	2.25	--	--	--
SWID # = 356	mg/L	6/10/2002	--	--	--	NM	9.08	NM	7.00	16.85	--	5.69	--	--	--
	mg/L	12/16/2002	--	--	--	NM	7.92	NM	5.99	10.20	--	3.30	--	--	--
	mg/L	6/9/2003	--	--	--	NM	9.58	NM	4.63	2.65	--	3.69	--	--	--
	mg/L	12/8/2003	--	--	--	NM	5.00	NM	7.90	--	--	4.30	--	--	--
	mg/L	6/24/2004	--	--	--	NM	8.44	NM	5.37	2.96	5.23	6.20	--	--	--
	mg/L	12/20/2004	--	--	--	NM	7.52	NM	3.65	3.61	4.60	4.63	--	--	--
	mg/L	6/8/2005	--	--	--	NM	--	NM	--	--	--	--	--	--	--
	mg/L	6/5/2006	--	--	--	NM	4.48	NM	4.31	3.48	2.19	2.69	--	--	--
	mg/L	12/5/2006	--	--	--	NM	7.19	NM	2.83	20.00	2.40	3.91	--	--	--
	mg/L	5/30/2007	--	--	--	NM	2.60	NM	4.60	--	5.60	2.80	--	--	--
	mg/L	11/19/2007	--	--	--	NM	2.72	NM	1.57	0.24	0.12	1.18	--	--	--
	mg/L	5/19/2008	--	--	--	NM	NM	NM	NM	NM	NM	NM	--	--	--
	mg/L	5/19/2008	--	--	--	4.89	9.21	3.84	7.62	0.89	3.48	0.82	3.36	--	--

Notes:
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Shaded = Concentrations above the NC 2L or Solid Waste Section Groundwater Protection Standards have been shaded
* Sample data from 9/94 through 12/98 compiled and reported by Malcolm Pirnie, Inc.
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* Sample data from 5/07 collected, compiled and reported by Golder Associates.
* Sample data from11/07 thru 11/08 collected, compiled and reported by S&ME.
* Laboratory data prior to November 2007 was not validated by S&ME. Solid Waste Section Limits = NCPQL from 9/14/94 through 12/5/06 and NCSWSL for 5/30/07 and later

Table 6
Summary of Historically Detected Constituents in Surface Water
City of Durham Closed Municipal Solid Waste Landfill
S&ME Project No. 1054-07-469
Permit No. 32-01

Detected Monitoring Constituents/Analytes	Units	Sample Date	Detection Limit	Quantitation Limit	Solid Waste Section Limits	S-4 (Upstream)	S-1	S-2	S-3
Antimony - (SW Standard 5.6 ug/L) SWID # = 13	ug/L	12/20/2004			5	ND	ND	ND	ND
		6/5/2005			5	ND	ND	5	ND
		12/7/2005			5	ND	ND	ND	ND
		6/5/2006			5	ND	ND	DRY	ND
		12/5/2006			5	ND	ND	ND	ND
		5/30/2007	0.58	2	6	ND	DRY	DRY	ND
		11/30/2007	0.22	1	6	0.94	DRY	DRY	0.97
		5/19/2008	0.22	1	6	0.40	<0.22	0.24	0.36
		11/19/2008	0.22	1	6	J 0.76	J 0.59	J 0.7	J 0.76
Arsenic - (SW Standard = 10 ug/L) SWID # = 14	ug/L	5/30/2007	2	10	10	ND	DRY	DRY	ND
		11/30/2007	0.15	1	10	1.5	DRY	DRY	1.7
		5/19/2008	0.15	1	10	<0.15	<0.15	1.2	<0.15
		11/19/2008	0.15	1	10	J 1.2	J 1.4	J 1.2	J 1
Barium - (SW Standard = 1000 ug/L) SWID # = 15	ug/L	2/7/1995	--	--	--	27	69	82	39
		3/13/1995	--	--	25	51	61	59	ND
		6/10/1996	--	--	25	42	86	75	ND
		11/12/1996	--	--	25	32	37	59	ND
		3/18/1997	--	--	--	44	126	41	27
		10/2/1997	--	--	25	92	162	62	ND
		5/26/1998	--	--	--	35	94	72	106
		12/1/1998	--	--	--	47	DRY	DRY	25
		6/7/1999	--	--	25	ND	DRY	DRY	ND
		12/1/1999	--	--	--	54	174	85	96
		6/6/2000	--	--	--	73	DRY	DRY	DRY
		12/22/2000	--	--	--	66	DRY	DRY	DRY
		6/4/2001	--	--	25	ND	97	80	ND
		12/3/2001	--	--	25	ND	DRY	DRY	ND
		6/10/2002	--	--	25	ND	DRY	DRY	ND
		12/16/2002	--	--	--	76	58	64	29
		6/10/2003	--	--	25	ND	111	93	28
		12/8/2003	--	--	25	14	59	62	ND
		6/29/2004	--	--	25	ND	83	49	ND
		12/20/2004	--	--	25	ND	42	71	ND
		6/5/2005	--	--	25	ND	73	6	28
		12/7/2005	--	--	--	39	59	52	46
		6/5/2006	--	--	25	ND	126	DRY	ND
		12/5/2006	--	--	--	28	106	79	25
		5/30/2007	0.2	10	100	8.1 J	DRY	DRY	7.6 J
		11/30/2007	1	5	100	3.2	DRY	DRY	9.1
		5/19/2008	1	5	100	17	64	66	18
		11/19/2008	1	5	100	13 J	96 J	64 J	11 J
Beryllium - (SW Standard = .0068 ug/L) SWID # = 23	ug/L	11/30/2007	0.24	1	1	0.4	DRY	DRY	0.43
		5/19/2008	0.24	1	1	<0.24	<0.24	0.34	<0.24
		11/19/2008	0.24	1	1	<1.4	J 0.35	<1.4	<1.4
Chromium - (SW Standard = 50 ug/L) SWID # = 51	ug/L	2/7/1995	--	--	5	ND	ND	ND	ND
		3/13/1995	--	--	5	ND	ND	ND	ND
		6/10/1996	--	--	5	ND	ND	ND	ND
		11/12/1996	--	--	5	ND	ND	ND	ND
		3/18/1997	--	--	5	ND	ND	ND	ND
		10/2/1997	--	--	5	ND	5.9	ND	ND
		5/26/1998	--	--	5	ND	5	ND	ND
		12/1/1998	--	--	5	ND	DRY	DRY	ND
		6/7/1999	--	--	5	ND	DRY	DRY	ND
		12/1/1999	--	--	--	7	16	8	8
		6/6/2000	--	--	5	ND	DRY	DRY	DRY
		12/22/2000	--	--	5	ND	DRY	DRY	DRY
		6/4/2001	--	--	5	ND	ND	ND	ND
		12/3/2001	--	--	5	ND	DRY	DRY	ND
		6/10/2002	--	--	5	ND	DRY	DRY	ND
		12/16/2002	--	--	5	ND	ND	ND	ND
		6/10/2003	--	--	5	ND	5	ND	ND
		12/8/2003	--	--	5	ND	5	ND	ND
		6/29/2004	--	--	5	ND	ND	ND	ND
		12/20/2004	--	--	5	5	ND	ND	ND
		6/5/2005	--	--	5	ND	ND	ND	5
		12/7/2005	--	--	5	5	ND	ND	9
		6/5/2006	--	--	5	ND	ND	DRY	ND
		12/5/2006	--	--	5	ND	ND	ND	ND
		5/30/2007	2	10	10	ND	DRY	DRY	ND
		11/30/2007	2.3	10	10	<2.3	DRY	DRY	ND
		5/19/2008	2.3	10	10	<2.3	<2.3	<2.3	<2.3
		11/19/2008	2.3	10	10	<2.0	<2.0	J 3.0	<2.0
Copper - (SW Standard = 7 ug/L**) SWID # = 54	ug/L	2/7/1995	--	--	5	ND	ND	ND	ND
		3/13/1995	--	--	5	5.5	6.8	8.6	ND
		6/10/1996	--	--	5	6.3	5.9	5.7	ND
		11/12/1996	--	--	5	ND	ND	ND	ND
		3/18/1997	--	--	5	6	ND	ND	6
		10/2/1997	--	--	5	ND	ND	ND	ND
		5/26/1998	--	--	--	6	8	6	9
		12/1/1998	--	--	5	ND	DRY	DRY	ND
		6/7/1999	--	--	5	ND	DRY	DRY	ND
		12/1/1999	--	--	--	10	14	10	11
		6/6/2000	--	--	5	ND	DRY	DRY	DRY
		12/22/2000	--	--	5	ND	DRY	DRY	DRY
		6/4/2001	--	--	5	13	ND	8	ND
		12/3/2001	--	--	5	ND	DRY	DRY	ND
		6/10/2002	--	--	5	ND	DRY	DRY	ND
		12/16/2002	--	--	5	21	8	10	8
		6/10/2003	--	--	5	ND	8	6	ND
		12/8/2003	--	--	5	ND	5	6	5
		6/29/2004	--	--	5	ND	8	ND	ND
		12/20/2004	--	--	5	ND	ND	ND	ND
		6/5/2005	--	--	--	3	5	5	2
		12/7/2005	--	--	--	9	7	10	11
		6/5/2006	--	--	--	3	9	DRY	3
		12/5/2006	--	--	--	2	3	6	3
		5/30/2007	0.6	10	10	1.3 B	DRY	DRY	0.8 B
		11/30/2007	0.45	1	10	1.3	DRY	DRY	2.1
		5/19/2008	0.45	1	10	4	6	10	3.8
		11/19/2008	0.45	1	10	2.7 J	4.3 J	4.7 J	3.3 J

Notes:

ug/L = micrograms per liter
mg/L= milligrams per liter
S.U. = Standard Units
NTU = Nephelometric Turbidity Units
mV= millivolts
ND = Not detected at the stated reporting limit
ORP= Oxidation Reduction Potential
µS/cm= microsiemens per centimeter
-- = no data available
Blanks = field, trip and method blanks
NM= not measured/analyzed

Surface Water Standards SW Standards are WS Standards (Ellerbee Creek is a WS-IV Classification) or Freshwater Aquatic Life Standards if no WS Standard exists
Shaded = Concentrations above the applicable Surface Water Standards have been shaded.
* * Standard is an Action Limit
* Sample data from 9/94 through 12/98 compiled and reported by Malcolm Pirnie, Inc.
* Sample data from 6/99 through 12/06 collected, compiled and reported by Weston Solutions, Inc.
* Sample data from 5/07 collected, compiled and reported by Golder Associates.
* Sample data from 11/07 to present collected, compiled and reported by S&ME.
--
SWS Reporting Limit = NCPQL from 9/14/94 through 12/5/06 and NCSWSL for 5/30/07 and Later.
* Laboratory data prior to November 2007 was not validated by S&ME. Solid Waste Section Limits = NCPQL from 9/14/94 through 12/5/06 and NCSWSL for 5/30/07 and later

Table 6
Summary of Historically Detected Constituents in Surface Water
City of Durham Closed Municipal Solid Waste Landfill
S&ME Project No. 1054-07-469
Permit No. 32-01

Detected Monitoring Constituents/Analytes	Units	Sample Date	Detection Limit	Quantitation Limit	Solid Waste Section Limits	S-4 (Upstream)	S-1	S-2	S-3
Lead - (SW Standard = 25 ug/L) SWID # = 131	ug/L	2/7/1995	--	--	5	11	ND	6.2	ND
		3/13/1995	--	--	5	ND	ND	7.5	ND
		6/10/1996	--	--	5	ND	ND	ND	ND
		11/12/1996	--	--	5	ND	ND	ND	ND
		3/18/1997	--	--	5	5	ND	ND	5
		10/2/1997	--	--	5	ND	ND	ND	ND
		5/26/1998	--	--	5	ND	ND	ND	ND
		12/1/1998	--	--	--	5	DRY	DRY	5
		6/7/1999	--	--	5	ND	DRY	DRY	ND
		12/1/1999	--	--	5	17	5	5	7
		6/6/2000	--	--	5	ND	DRY	DRY	DRY
		12/22/2000	--	--	5	ND	DRY	DRY	DRY
		6/4/2001	--	--	5	ND	9	ND	ND
		12/3/2001	--	--	5	ND	DRY	DRY	ND
		6/10/2002	--	--	5	ND	DRY	DRY	ND
		12/16/2002	--	--	5	ND	ND	ND	ND
		6/10/2003	--	--	5	9	ND	6	ND
		12/8/2003	--	--	5	ND	ND	ND	ND
		6/29/2004	--	--	5	ND	ND	ND	ND
		12/20/2004	--	--	5	ND	ND	ND	ND
		6/5/2005	--	--	5	9	ND	6	ND
		12/7/2005	--	--	5	10	ND	ND	10
		6/5/2006	--	--	5	ND	ND	DRY	ND
		12/5/2006	--	--	5	ND	ND	ND	ND
		5/30/2007	2	10	10	ND	DRY	DRY	ND
		11/30/2007	2.4	5	5	<2.4	DRY	DRY	<2.4
		5/19/2008	2.4	5	5	<2.4	<2.4	4.1	<2.4
		11/19/2008	2.4	5	5	J 0.5	J 0.79	J 1.7	J 0.45
Nickel - (SW Standard = 25 ug/L) SWID # = 152	ug/L	2/7/1995	--	--	10	ND	ND	ND	ND
		3/13/1995	--	--	10	ND	13	16	ND
		6/10/1996	--	--	10	ND	ND	ND	ND
		11/12/1996	--	--	10	ND	ND	ND	ND
		3/18/1997	--	--	10	ND	ND	ND	ND
		10/2/1997	--	--	10	ND	ND	ND	ND
		5/26/1998	--	--	10	ND	ND	ND	ND
		12/1/1998	--	--	10	ND	DRY	DRY	ND
		6/7/1999	--	--	10	ND	DRY	DRY	ND
		12/1/1999	--	--	--	10	12	10	10
		6/6/2000	--	--	10	ND	DRY	DRY	DRY
		12/22/2000	--	--	10	ND	DRY	DRY	DRY
		6/4/2001	--	--	10	ND	ND	ND	ND
		12/3/2001	--	--	10	ND	DRY	DRY	ND
		6/10/2002	--	--	10	ND	DRY	DRY	ND
		12/16/2002	--	--	10	ND	ND	ND	ND
		6/10/2003	--	--	10	ND	ND	ND	ND
		12/8/2003	--	--	10	ND	ND	ND	ND
		6/29/2004	--	--	10	ND	ND	ND	ND
		12/20/2004	--	--	10	ND	ND	ND	ND
		6/5/2005	--	--	10	ND	ND	ND	ND
		12/7/2005	--	--	10	ND	ND	ND	ND
		6/5/2006	--	--	10	ND	ND	ND	ND
		12/5/2006	--	--	10	ND	ND	ND	ND
		5/30/2007	2	10	50	2.7 J	DRY	DRY	2.7 J
		11/30/2007	9.8	20	50	<9.8	DRY	DRY	<9.8
		5/19/2008	9.8	20	50	<9.8	<9.8	<9.8	<9.8
		11/19/2008	9.8	20	50	<9.8	<9.8	<9.8	<9.8
Selenium - (SW Standard = 5 ug/L) SWID # = 183	ug/L	5/30/2007	2	10	10	2.9 B	DRY	DRY	2.3 B
		11/30/2007	0.43	1	10	2.6	DRY	DRY	<0.43
		5/19/2008	0.43	1	10	<0.43	<0.43	<0.43	<0.43
		11/19/2008	0.43	1	10	J 1.2	<0.32	J 0.54	J 0.39
Silver - (SW Standard = 17 ug/L) SWID # = 184	ug/L	2/7/1995	--	--	1	ND	ND	ND	ND
		3/13/1995	--	--	1	ND	ND	ND	ND
		6/10/1996	--	--	1	ND	1.8	3.3	ND
		11/12/1996	--	--	1	ND	ND	ND	ND
		3/18/1997	--	--	1	ND	ND	ND	ND
		10/2/1997	--	--	1	ND	ND	ND	ND
		5/26/1998	--	--	1	ND	ND	ND	ND
		12/1/1998	--	--	1	ND	DRY	DRY	ND
		6/7/1999	--	--	1	ND	DRY	DRY	ND
		12/1/1999	--	--	--	1	1	1	1
		6/6/2000	--	--	1	ND	DRY	DRY	DRY
		12/22/2000	--	--	1	ND	DRY	DRY	DRY
		6/4/2001	--	--	1	ND	ND	ND	ND
		12/3/2001	--	--	1	ND	DRY	DRY	ND
		6/10/2002	--	--	1	ND	DRY	DRY	ND
		12/16/2002	--	--	1	ND	ND	ND	ND
		6/10/2003	--	--	1	ND	ND	ND	ND
		12/8/2003	--	--	1	ND	ND	ND	ND
		6/29/2004	--	--	1	ND	ND	ND	ND
		12/20/2004	--	--	1	ND	ND	ND	ND
		6/5/2005	--	--	1	ND	ND	ND	ND
		12/7/2005	--	--	1	ND	ND	ND	ND
		6/5/2006	--	--	1	ND	ND	ND	ND
		12/5/2006	--	--	1	ND	ND	ND	ND
		5/30/2007	2	10	10	ND	DRY	DRY	ND
		11/30/2007	2.5	10	10	2.7	DRY	DRY	2.7
		5/19/2008	2.5	10	10	<2.5	<2.5	<2.5	<2.5
		11/19/2008	2.5	10	10	<2.5	<2.5	<2.5	<2.5
Thallium - (SW Standard = 0.35 ug/L) SWID # = 194	ug/L	11/30/2007	0.09	1	5.5	0.61	DRY	DRY	0.62
		5/19/2008	0.09	1	5.5	<0.09	<0.09	<0.09	<0.09
		11/19/2008	0.09	1	5.5	<0.09	<0.09	<0.09	<0.09
Vanadium - (SW Standard 24 ug/L) SWID # = 209	ug/L	2/7/1995	--	--	5	ND	ND	ND	ND
		3/13/1995	--	--	5	ND	ND	ND	ND
		6/10/1996	--	--	5	ND	ND	7.7	ND
		11/12/1996	--	--	5	ND	8	ND	ND
		3/18/1997	--	--	5	ND	ND	ND	ND
		10/2/1997	--	--	5	ND	8.5	ND	5.7
		5/26/1998	--	--	5	ND	5	5	5
		12/1/1998	--	--	5	ND	DRY	DRY	5
		6/7/1999	--	--	5	ND	DRY	DRY	ND
		12/1/1999	--	--	--	11	22	10	11
		6/6/2000	--	--	--	5	DRY	DRY	DRY
		12/22/2000	--	--	--	5	DRY	DRY	DRY
		6/4/2001	--	--	5	ND	ND	5	ND
		12/3/2001	--	--	--	6	DRY	DRY	6
		6/10/2002	--	--	--	6	DRY	DRY	6
		12/16/2002	--	--	5	7	ND	ND	ND
		6/10/2003	--	--	5	ND	7	5	ND
		12/8/2003	--	--	5	ND	ND	ND	ND
		6/29/2004	--	--	5	ND	ND	ND	ND
		12/20/2004	--	--	5	ND	ND	ND	ND
		6/5/2005	--	--	5	5	ND	ND	ND
		12/7/2005	--	--	5	7	ND	ND	6
		6/5/2006	--	--	5	ND	ND	DRY	ND
		12/5/2006	--	--	5	ND	ND	ND	ND
		5/30/2007	1	10	25	ND	DRY	DRY	1.2 J
		11/30/2007	2.9	10	25	<2.9	DRY	DRY	<2.9
		5/19/2008	2.9	10	25	<2.9	<2.9	3.1	<2.9
		11/19/2008	2.9	10	25	<1.9	<1.9	J 2.6	<1.9

Notes:

ug/L = micrograms per liter
mg/L= milligrams per liter
S.U. = Standard Units
NTU = Nephelometric Turbidity Units
mV= millivolts
ND = Not detected at the stated reporting limit
ORP= Oxidation Reduction Potential
µS/cm= microsiemens per centimeter
-- = no data available
Blanks = field, trip and method blanks
NM= not measured/analyzed

Surface Water Standards SW Standards are WS Standards (Ellerbee Creek is a WS-IV Classification) or Freshwater Aquatic Life Standards if no WS Standard exists
Shaded = Concentrations above the applicable Surface Water Standards have been shaded.
* * Standard is an Action Limit
* Sample data from 9/94 through 12/98 compiled and reported by Malcolm Pirnie, Inc.
* Sample data from 6/99 through 12/06 collected, compiled and reported by Weston Solutions, Inc.
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* Sample data from 11/07 to present collected, compiled and reported by S&ME.
--
SWS Reporting Limit = NCPQL from 9/14/94 through 12/5/06 and NCSWSL for 5/30/07 and Later.
* Laboratory data prior to November 2007 was not validated by S&ME. Solid Waste Section Limits = NCPQL from 9/14/94 through 12/5/06 and NCSWSL for 5/30/07 and later

Table 6
Summary of Historically Detected Constituents in Surface Water
City of Durham Closed Municipal Solid Waste Landfill
S&ME Project No. 1054-07-469
Permit No. 32-01

Detected Monitoring Constituents/Analytes	Units	Sample Date	Detection Limit	Quantitation Limit	Solid Waste Section Limits	S-4 (Upstream)	S-1	S-2	S-3
Zinc - (SW Standard = 50 ug/L**) SWID # = 213	ug/L	2/7/1995	--	--	10	33	ND	ND	21
		3/13/1995	--	--	--	34	63	87	67
		6/10/1996	--	--	10	ND	ND	ND	13
		11/12/1996	--	--	10	20	ND	16	22
		3/18/1997	--	--	10	32	ND	ND	32
		10/2/1997	--	--	10	10	14	21	146
		5/26/1998	--	--	--	25	26	19	48
		12/1/1998	--	--	10	ND	DRY	DRY	56
		6/7/1999	--	--	--	76	DRY	DRY	42
		12/1/1999	--	--	--	89	58	45	66
		6/6/2000	--	--	--	10	DRY	DRY	DRY
		12/22/2000	--	--	10	ND	DRY	DRY	DRY
		6/4/2001	--	--	--	39	14	16	28
		12/3/2001	--	--	--	42	DRY	DRY	80
		6/10/2002	--	--	--	25	DRY	DRY	36
		12/16/2002	--	--	--	106	18	16	39
		6/10/2003	--	--	--	18	22	15	19
		12/8/2003	--	--	10	106	11	ND	42
		6/29/2004	--	--	10	21	ND	ND	19
		12/20/2004	--	--	10	31	ND	ND	30
		6/5/2005	--	--	10	33	ND	ND	30
		12/7/2005	--	--	--	38	10	16	33
		6/5/2006	--	--	--	21	17	DRY	17
		12/5/2006	--	--	10	38	ND	11	41
		5/30/2007	1	10	10	51.9	DRY	DRY	52.5
		11/30/2007	3	10	10	73	DRY	DRY	62
		5/19/2008	3	10	10	48	10	38	47
		11/19/2008	3	10	10	29	12	12	26
Acetone - (SW Standard 2000 ug/L) SWID # = 3	ug/L	5/30/2007	0.9	5	100	ND	DRY	DRY	5.4 B
		11/30/2007	8.9	50	100	<8.9	DRY	DRY	<8.9
		5/19/2008	8.9	50	100	<8.9	<8.9	<8.9	<8.9
		11/19/2008	8.9	50	100	<8.9	<8.9	<8.9	<8.9
Chloroform - (SW Standard 5.7 ug/L) SWID # = 16	ug/L	9/19/1994	--	--	--	ND	DRY	DRY	ND
		2/7/1995	--	--	5	ND	ND	ND	ND
		3/13/1995	--	--	5	ND	ND	ND	ND
		6/10/1996	--	--	1	ND	ND	ND	ND
		11/12/1996	--	--	1	ND	ND	ND	ND
		3/18/1997	--	--	1	ND	ND	ND	ND
		10/2/1997	--	--	1	ND	ND	ND	ND
		5/26/1998	--	--	5	ND	DRY	DRY	ND
		12/1/1998	--	--	2	ND	ND	ND	ND
		6/7/1999	--	--	5	ND	DRY	DRY	DRY
		12/1/1999	--	--	5	ND	DRY	DRY	DRY
		6/6/2000	--	--	5	ND	ND	ND	ND
		12/22/2000	--	--	5	ND	DRY	DRY	ND
		6/4/2001	--	--	5	ND	DRY	DRY	ND
		12/3/2001	--	--	5	ND	ND	ND	ND
		6/10/2002	--	--	5	ND	ND	ND	ND
		12/16/2002	--	--	5	ND	ND	ND	ND
		6/10/2003	--	--	5	ND	ND	ND	ND
		12/8/2003	--	--	5	ND	ND	ND	ND
		6/29/2004	--	--	5	ND	ND	ND	ND
		12/20/2004	--	--	1	ND	ND	ND	ND
		6/5/2005	--	--	1	ND	ND	ND	ND
		12/7/2005	0.35	--	1	ND	ND	ND	ND
		6/5/2006	--	--	1	0.65 J	ND	ND	0.59 J
		12/5/2006	--	--	1	ND	ND	ND	ND
		5/30/2007	0.16	1	5	0.60 J	DRY	DRY	0.55 J
		11/30/2007	0.33	5	5	0.6	DRY	DRY	0.42
		5/19/2008	0.33	5	5	0.66	<0.33	<0.33	0.58
		11/19/2008	0.33	5	5	0.39	<0.33	<0.33	0.42
Methylene Chloride - (SW Standard 27500 ug/L) SWID # = 140	ug/L	9/19/1994	--	--	--	ND	DRY	DRY	9.5
		2/7/1995	--	--	5	ND	ND	ND	ND
		3/13/1995	--	--	5	ND	ND	ND	ND
		6/10/1996	--	--	5	ND	ND	ND	ND
		11/12/1996	--	--	5	ND	ND	ND	ND
		3/18/1997	--	--	5	ND	ND	ND	ND
		10/2/1997	--	--	5	10	ND	ND	ND
		5/26/1998	--	--	5	ND	ND	ND	ND
		12/1/1998	--	--	5	ND	ND	ND	ND
		6/1/1999	--	--	5	ND	DRY	DRY	ND
		12/15/1999	--	--	5	ND	ND	ND	ND
		6/6/2000	--	--	5	ND	DRY	DRY	DRY
		12/22/2000	--	--	5	ND	DRY	DRY	DRY
		6/4/2001	--	--	5	ND	ND	ND	ND
		12/3/2001	--	--	5	ND	DRY	DRY	ND
		6/10/2002	--	--	5	ND	DRY	DRY	ND
		12/16/2002	--	--	5	ND	ND	ND	ND
		6/9/2003	--	--	5	ND	ND	ND	ND
		12/8/2003	--	--	5	ND	ND	ND	ND
		6/28/2004	--	--	5	ND	ND	ND	ND
		12/20/2004	--	--	2	ND	ND	ND	ND
		6/5/2005	--	--	2	ND	ND	ND	ND
		12/7/2005	0.61	--	2	ND	ND	ND	ND
		6/5/2006	--	--	2	ND	ND	ND	ND
		12/5/2006	--	--	2	ND	ND	ND	ND
		5/30/2007	0.088	1	1	ND	DRY	DRY	ND
		11/30/2007	0.3	5	1	<0.30	DRY	DRY	<0.30
		5/19/2008	0.3	5	1	<0.30	<0.30	<0.30	<0.30
		11/19/2008	0.3	5	1	<0.30	<0.30	<0.30	<0.30
Toluene - (SW Standard = 11 ug/L) SWID # = 196	ug/L	9/19/1994	--	--	--	ND	ND	ND	ND
		2/7/1995	--	--	5	ND	ND	ND	ND
		3/13/1995	--	--	5	ND	ND	ND	ND
		6/10/1996	--	--	--	1.0 B	1.1 B	1.4 B	1.1 B
		11/12/1996	--	--	1	ND	1	ND	1.7
		3/18/1997	--	--	1	ND	ND	ND	ND
		10/2/1997	--	--	1	ND	ND	ND	ND
		5/26/1998	--	--	1	ND	ND	ND	ND
		12/1/1998	--	--	1	ND	ND	ND	ND
		6/7/1999	--	--	5	ND	DRY	DRY	ND
		12/15/1999	--	--	5	ND	ND	ND	ND
		6/6/2000	--	--	5	ND	ND	ND	ND
		12/22/2000	--	--	5	ND	DRY	DRY	DRY
		6/4/2001	--	--	5	ND	DRY	DRY	DRY
		12/3/2001	--	--	5	ND	ND	ND	ND
		6/10/2002	--	--	5	ND	DRY	DRY	ND
		12/16/2002	--	--	5	ND	DRY	DRY	ND
		6/9/2003	--	--	5	ND	ND	ND	ND
		12/8/2003	--	--	5	ND	ND	ND	ND
		6/28/2004	--	--	5	ND	ND	ND	ND
		12/20/2004	--	--	1	ND	ND	ND	ND
		6/5/2005	--	--	--	ND	ND	ND	ND
		12/7/2005	0.39	--	1	ND	ND	ND	ND
		6/5/2006	--	--	1	ND	ND	ND	ND
		12/5/2006	--	--	1	ND	ND	ND	ND
		5/30/2007	0.15	1	1	ND	DRY	DRY	ND
		11/30/2007	0.27	5	1	<.27	DRY	DRY	<.27
		5/19/2008	0.27	5	1	<.27	<.27	<.27	<.27
		11/19/2008	0.27	5	1	<.27	<.27	<.27	<.27

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Cyanide - (SW Standard = 5 ug/L) SWID # = 58	ug/L	12/1/1998	--	--	10	ND	DRY	DRY	ND
		6/7/1999	--	--	2	2	DRY	DRY	ND
		12/1/1999	--	--	--	5	2	2	2
		6/6/2000	--	--	2	ND	DRY	DRY	DRY
		12/22/2000	--	--	2	ND	DRY	DRY	DRY
		6/4/2001	--	--	2	ND	2	ND	ND
		12/3/2001	--	--	2	ND	DRY	DRY	ND
		6/10/2002	--	--	2	3	DRY	DRY	ND
		12/16/2002	--	--	2	2	ND	ND	ND
		6/10/2003	--	--	2	ND	ND	ND	ND
		12/8/2003	--	--	2	ND	ND	ND	ND
		6/29/2004	--	--	2	ND	ND	ND	ND
		12/20/2004	--	--	2	6.1	ND	ND	4.8
		6/5/2005	--	--	2	ND	ND	ND	ND
		12/7/2005	--	--	2	ND	4.9	4.9	5.4
		6/5/2006	--	--	--	3.1	2.2	DRY	3.1
		12/5/2006	--	--	--	4.8	2.9	7.2	6.9
		5/30/2007	--	--	--	--	--	--	--
		11/30/2007	--	--	10	--	--	--	--
		5/19/2008	--	--	10	NM	NM	NM	NM
		11/19/2008	--	--	10	NM	NM	NM	NM
Fluoride - (SW Standard = 1800 ug/L) SWID # = 312	ug/L	11/30/2007	32	100	2000	NM	DRY	DRY	NM
		5/19/2008	32	100	2000	320	97	110	290
		11/19/2008	32	100	2000	J 450	J 73	J 84	J 460
Sulfide - (SW Standard 2.0 ug/L) SWID # = 187	ug/L	12/1/1998	--	--	1000	ND	DRY	DRY	ND
		6/7/1999	--	--	200	600	DRY	DRY	ND
		12/1/1999	--	--	--	--	--	--	--
		6/6/2000	--	--	--	500	DRY	DRY	DRY
		12/22/2000	--	--	--	760	DRY	DRY	DRY
		6/4/2001	--	--	--	800	400	400	800
		12/3/2001	--	--	200	ND	DRY	DRY	300
		6/10/2002	--	--	200	ND	DRY	DRY	ND
		12/16/2002	--	--	200	300	600	ND	400
		6/10/2003	--	--	200	2600	800	ND	ND
		12/8/2003	--	--	2000	ND	ND	ND	3700
		6/29/2004	--	--	2000	ND	ND	ND	ND
		12/20/2004	--	--	2000	ND	ND	ND	ND
		6/5/2005	--	--	--	2500	15000	16000	15000
		12/7/2005	--	--	2000	ND	ND	ND	ND
		6/5/2006	--	--	2000	ND	120 J	DRY	ND
		12/5/2006	--	--	--	16000	16000	16000	15000
		5/30/2007	--	--	--	--	--	--	--
		11/30/2007	--	--	1000	NM	NM	NM	NM
		5/19/2008	--	--	1000	NM	NM	NM	NM
		11/19/2008	--	--	1000	NM	NM	NM	NM
Ph (field) SWID # = 320	S.U.	5/26/1998	--	--	--	--	--	--	--
		12/1/1998	--	--	--	--	--	--	--
		6/7/1999	--	--	--	6	DRY	DRY	5.76
		7/8/1999				--	DRY	DRY	--
		12/13/1999	--	--	--	6.47	6.3	6.44	6.58
		6/6/2000	--	--	--	6.54	DRY	DRY	DRY
		12/11/2000	--	--	--	7.48	DRY	DRY	DRY
		6/4/2001	--	--	--	7.08	6.92	6.94	7.11
		12/3/2001	--	--	--	6.59	DRY	DRY	5.99
		6/10/2002	--	--	--	7.81	DRY	DRY	8.13
		12/16/2002	--	--	--	7.28	7.66	6.81	7.2
		6/9/2003	--	--	--	7.14	7.58	--	7.49
		12/9/2003	--	--	--	8.46	7.82	8.58	8.46
		6/24/2004	--	--	--	7.53	6.91	7.4	7.57
		12/20/2004	--	--	--	7.64	8.00	--	7.66
		6/8/2005	--	--	--	7.5	7.69	7.31	7.59
		12/7/2005	--	--	--	7.2	7.3	7.14	7.47
		6/5/2006	--	--	--	7.58	7.24	DRY	7.49
		12/5/2006	--	--	--	7.39	7.63	8.54	15.2
		5/31/2007	--	--	--	8.55	DRY	DRY	8.64
		11/30/2007	--	--	--	NM	DRY	DRY	NM
		5/19/2008	--	--	--	8.26	8.25	8.35	8.3
		11/19/2008	--	--	--	7.51	7.36	7.53	7.18
Conductivity (field) SWID # = 323	µs/cm	5/26/1998	--	--	--	--	--	--	--
		12/1/1998	--	--	--	--	--	--	--
		6/7/1999	--	--	--	198	DRY	DRY	167
		7/8/1999	--	--	--	--	DRY	DRY	--
		12/13/1999	--	--	--	257.4	272.8	137.8	134.5
		6/6/2000	--	--	--	202.3	DRY	DRY	DRY
		12/11/2000	--	--	--	277.5	DRY	DRY	DRY
		6/4/2001	--	--	--	372.6	184.8	166.9	393.4
		12/3/2001	--	--	--	445	DRY	DRY	433.5
		6/10/2002	--	--	--	451	DRY	DRY	250
		12/16/2002	--	--	--	123	60	110	341
		6/9/2003	--	--	--	186	177	--	316
		12/8/2003	--	--	--	411.1	29.9	24.3	410
		6/28/2004	--	--	--	451	284	277	431
		12/20/2004	--	--	--	434	249	--	424
		6/8/2005	--	--	--	336	197.1	190.5	345.8
		12/8/2005	--	--	--	250	129	140	176
		6/5/2006	--	--	--	391	161	DRY	412
		12/5/2006	--	--	--	392	194	232	391
		5/31/2007	--	--	--	477	DRY	DRY	485
		11/30/2007	--	--	--	NM	DRY	DRY	NM
		5/19/2008	--	--	--	120	120	300	320
		11/19/2008	--	--	--	0.37	0.16	0.16	0.38
Temperature (field) SWID # = 325	°C	5/26/1998	--	--	--	--	--	--	--
		12/1/1998	--	--	--	--	--	--	--
		6/7/1999	--	--	--	17.2	DRY	DRY	18
		7/8/1999	--	--	--	--	DRY	DRY	--
		12/13/1999	--	--	--	18.1	20.1	17.8	19.2
		6/6/2000	--	--	--	17.7	DRY	DRY	DRY
		12/11/2000	--	--	--	8.9	DRY	DRY	DRY
		6/4/2001	--	--	--	22.3	18.7	20.2	22.5
		12/3/2001	--	--	--	19.5	DRY	DRY	16.2
		6/10/2002	--	--	--	23.49	DRY	DRY	23.43
		12/16/2002	--	--	--	11.19	3.52	4.3	10.53
		6/9/2003	--	--	--	23.36	23.23	--	23.08
		12/8/2003	--	--	--	13.3	6.6	7.8	13.2
		6/28/2004	--	--	--	22.92	21.22	23.4	22.84
		12/20/2004	--	--	--	12.07	1.95	--	9.37
		6/8/2005	--	--	--	23.06	20.83	21.45	22.9
		12/8/2005	--	--	--	12.26	9.29	8.98	10.33
		6/5/2006	--	--	--	21.8	20.12	DRY	21.75
		12/5/2006	--	--	--	15.02	8.32	8	15.2
		5/31/2007	--	--	--	24.28	DRY	DRY	23.8
		11/30/2007	--	--	--	NM	DRY	DRY	NM
		5/19/2008	--	--	--	19.0	19.0	22.6	21.7
		11/19/2008	--	--	--	14.7	7.5	6.0	14.6

Notes:

ug/L = micrograms per liter
mg/L= milligrams per liter
S.U. = Standard Units
NTU = Nephelometric Turbidity Units
mV= millivolts
ND = Not detected at the stated reporting limit
ORP= Oxidation Reduction Potential
µS/cm= microsiemens per centimeter
-- = no data available
Blanks = field, trip and method blanks
NM= not measured/analyzed

Surface Water Standards SW Standards are WS Standards (Ellerbee Creek is a WS-IV Classification) or Freshwater Aquatic Life Standards if no WS Standard exists
Shaded = Concentrations above the applicable Surface Water Standards have been shaded.
* * Standard is an Action Limit
* Sample data from 9/94 through 12/98 compiled and reported by Malcolm Pirnie, Inc.
* Sample data from 6/99 through 12/06 collected, compiled and reported by Weston Solutions, Inc.
* Sample data from 5/07 collected, compiled and reported by Golder Associates.
* Sample data from 11/07 to present collected, compiled and reported by S&ME.
–
SWS Reporting Limit = NCPQL from 9/14/94 through 12/5/06 and NCSWSL for 5/30/07 and Later.
* Laboratory data prior to November 2007 was not validated by S&ME. Solid Waste Section Limits = NCPQL from 9/14/94 through 12/5/06 and NCSWSL for 5/30/07 and later

Table 6
Summary of Historically Detected Constituents in Surface Water
City of Durham Closed Municipal Solid Waste Landfill
S&ME Project No. 1054-07-469
Permit No. 32-01

Detected Monitoring Constituents/Analytes	Units	Sample Date	Detection Limit	Quantitation Limit	Solid Waste Section Limits	S-4 (Upstream)	S-1	S-2	S-3
Turbidity (field) SWID # = 330	NTU	5/26/1998	--	--	--	--	--	--	--
		12/1/1998	--	--	--	--	--	--	--
		6/7/1999	--	--	--	12	DRY	DRY	--
		7/8/1999				--	DRY	DRY	--
		12/13/1999	--	--	--	139.2	229	139.8	146.7
		6/6/2000	--	--	--	42.8	DRY	DRY	DRY
		12/11/2000	--	--	--	27.3	DRY	DRY	DRY
		6/4/2001	--	--	--	17.2	18.2	90	7.6
		12/3/2001	--	--	--	--	DRY	DRY	2.2
		6/10/2002	--	--	--	3.2	DRY	DRY	2.6
		12/16/2002	--	--	--	6.4	9	10	5.8
		6/9/2003	--	--	--	34	65.2	--	18
		12/8/2003	--	--	--	12	25	23	13
		6/28/2004	--	--	--	--	--	--	--
		12/20/2004	--	--	--	--	--	--	--
		6/8/2005	--	--	--	7.55	22.1	53	8.99
		12/8/2005	--	--	--	88	31	66	120
		6/5/2006	--	--	--	15.6	26.4	DRY	17.9
		12/5/2006	--	--	--	4.44	20.6	27.5	8.31
		5/31/2007	--	--	--	0	DRY	DRY	56.9
		11/30/2007	--	--	--	NM	DRY	DRY	NM
		5/19/2008	--	--	--	NM	NM	NM	NM
		11/19/2008	--	--	--	NM	NM	NM	NM
ORP (field) SWID # = 336	mV	5/31/2007	--	--	--	70	DRY	DRY	45
		11/30/2007	--	--	--	NM	DRY	DRY	NM
		5/19/2008	--	--	--	NM	NM	NM	NM
		11/19/2008	--	--	--	NM	NM	NM	NM
Dissolved Oxygen (field) SWID # = 356	mg/L	12/1/2001	--	--	--	5.9	DRY	DRY	4.7
		6/10/2002	--	--	--	9.1	DRY	DRY	13.3
		12/16/2002	--	--	--	11.64	10.81	10.51	11.57
		6/9/2003	--	--	--	10.16	7.8	--	10.04
		12/8/2003	--	--	--	10.5	12.6	12.5	10.5
		6/24/2004	--	--	--	8.01	4.53	7.4	7.83
		12/20/2004	--	--	--	9.93	12.2	--	10.01
		6/8/2005	--	--	--	--	--	--	--
		6/5/2006	--	--	--	6.59	5.45	DRY	6.74
		12/5/2006	--	--	--	8.25	4.46	9.89	7.24
		5/31/2007	--	--	--	8.1	DRY	DRY	7.7
		11/30/2007	--	--	--	NM	DRY	DRY	NM
		5/19/2008	--	--	--	NM	NM	NM	NM
		11/19/2008	--	--	--	NM	NM	NM	NM

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Table 7
Solid Waste Section Summary Database
Groundwater Elevation Data, Field Parameters, and Groundwater Quality Summary
City of Durham Closed Municipal Solid Waste Landfill
November 19, 2008
S&ME Project No. 1054-07-469

Facility Permit	Well ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifier	Method	MDL	SWSL	Dilution Factor	Collection Date	Extraction Date	Analysis Date
32-01	32-01-MW-3	SW318	318	Depth To Water	3.00	ft						19-Nov-08		
32-01	32-01-MW-3	SW411	411	Total Well Depth	25.83	ft						19-Nov-08		
32-01	32-01-MW-3	SW328	328	TOC Elevation	285.5	ft AMSL						19-Nov-08		
32-01	32-01-MW-3	SW427	427	Groundwater Elevation	282.5	ft AMSL						19-Nov-08		
32-01	32-01-6R	SW318	318	Depth To Water	11.97	ft						19-Nov-08		
32-01	32-01-6R	SW411	411	Total Well Depth	26.72	ft						19-Nov-08		
32-01	32-01-6R	SW328	328	TOC Elevation	291.39	ft AMSL						19-Nov-08		
32-01	32-01-6R	SW427	427	Groundwater Elevation	279.42	ft AMSL						19-Nov-08		
32-01	32-01-PZ-2R	SW318	318	Depth To Water	28.92	ft						19-Nov-08		
32-01	32-01-PZ-2R	SW411	411	Total Well Depth	38.59	ft						19-Nov-08		
32-01	32-01-PZ-2R	SW328	328	TOC Elevation	346.56	ft AMSL						19-Nov-08		
32-01	32-01-PZ-2R	SW427	427	Groundwater Elevation	319.64	ft AMSL						19-Nov-08		
32-01	32-01-PZ-3	SW318	318	Depth To Water	31.72	ft						19-Nov-08		
32-01	32-01-PZ-3	SW411	411	Total Well Depth	42.4	ft						19-Nov-08		
32-01	32-01-PZ-3	SW328	328	TOC Elevation	350.03	ft AMSL						19-Nov-08		
32-01	32-01-PZ-3	SW427	427	Groundwater Elevation	318.31	ft AMSL						19-Nov-08		
32-01	32-01-PZ-4R	SW318	318	Depth To Water	52.13	ft						19-Nov-08		
32-01	32-01-PZ-4R	SW411	411	Total Well Depth	58.38	ft						19-Nov-08		
32-01	32-01-PZ-4R	SW328	328	TOC Elevation	339.42	ft AMSL						19-Nov-08		
32-01	32-01-PZ-4R	SW427	427	Groundwater Elevation	317.07	ft AMSL						19-Nov-08		
32-01	32-01-PZ-6	SW318	318	Depth To Water	43.39	ft						19-Nov-08		
32-01	32-01-PZ-6	SW411	411	Total Well Depth	61.25	ft						19-Nov-08		
32-01	32-01-PZ-6	SW328	328	TOC Elevation	350.11	ft AMSL						19-Nov-08		
32-01	32-01-PZ-6	SW427	427	Groundwater Elevation	306.72	ft AMSL						19-Nov-08		
32-01	32-01-MW-2	SW318	318	Depth To Water	6.18	ft						19-Nov-08		
32-01	32-01-MW-2	SW411	411	Total Well Depth	19.62	ft						19-Nov-08		
32-01	32-01-MW-2	SW328	328	TOC Elevation	286.54	ft AMSL						19-Nov-08		
32-01	32-01-MW-2	SW427	427	Groundwater Elevation	280.36	ft AMSL						19-Nov-08		
32-01	32-01-MW-2	SW320	320	PH (field)	5.74	S.U.						19-May-08		
32-01	32-01-MW-2	SW356	356	Dissolved Oxygen (field)	9.21	mg/l						19-May-08		
32-01	32-01-MW-2	SW330	330	Turbidity (field)	11.4	NTU						19-May-08		
32-01	32-01-MW-2	SW325	325	Temperature (field)	14.68	°C						19-May-08		
32-01	32-01-MW-2	SW323	323	Specific Conductivity (field)	104	µs/cm						19-May-08		
32-01	32-01-MW-2	SW336	336	Oxygen Reduction Potential (field)	103.7	Mv						19-May-08		
32-01	32-01-MW-2	67-64-1	2	Acetone	50	ug/l	U	8260B	50	100	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-2	107-13-1	8	Acrylonitrile	10	ug/l	U	8260B	10	200	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-2	71-43-2	16	Benzene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-2	74-97-5	28	Bromochloromethane	1	ug/l	U	8260B	1	3	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-2	75-27-4	29	Bromodichloromethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-2	75-25-2	30	Bromoform	1	ug/l	U	8260B	1	3	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-2	74-83-9	136	Bromomethane	5	ug/l	U	8260B	5	10	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-2	75-15-0	35	Carbon disulfide	1	ug/l	U	8260B	1	100	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-2	56-23-5	36	Carbon tetrachloride	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-2	108-90-7	39	Chlorobenzene	1	ug/l	U	8260B	1	3	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-2	124-48-1	68	Chlorodibromomethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-2	75-00-3	41	Chloroethane	5	ug/l	U	8260B	5	10	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-2	67-66-3	44	Chloroform	5	ug/l	U	8260B	5	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-2	74-87-3	137	Chloromethane	2.5	ug/l	U	8260B	2.5	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-2	74-95-3	139	Dibromomethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-2	95-50-1	69	1,2-Dichlorobenzene	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-2	106-46-7	71	1,4-Dichlorobenzene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-2	110-57-6	73	trans-1,4-Dichloro-2-butene	2.5	ug/l	U	8260B	2.5	10	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-2	75-34-3	75	1,1-Dichloroethane	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-2	107-06-2	76	1,2-Dichloroethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-2	75-35-4	77	1,1-Dichloroethene	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-2	156-59-2	78	cis-1,2-Dichloroethene	0.84	ug/l	J	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-2	156-60-5	79	trans-1,2-Dichloroethene	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-2	78-87-5	82	1,2-Dichloropropane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-2	10061-01-5	86	cis-1,3-Dichloropropene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-2	10061-02-6	87	trans-1,4-Dichloropropene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-2	100-41-4	110	Ethylbenzene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-2	591-78-6	124	2-Hexanone	10	ug/l	U	8260B	10	50	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-2	74-88-4	142	Iodomethane	10	ug/l	U	8260B	10	10	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-2	78-93-3	141	2-Butanone (MEK)	10	ug/l	U	8260B	10	10	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-2	75-09-2	140	Methylene Chloride	5	ug/l	U	8260B	5	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-2	108-10-1	147	4-Methyl-2-pentanone (MIBK)	10	ug/l	U	8260B	10	100	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-2	100-42-5	188	Styrene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-2	630-20-6	190	1,1,1,2-Tetrachloroethane	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-2	79-34-5	191	1,1,2,2-Tetrachloroethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-2	127-18-4	192	Tetrachloroethene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-2	108-88-3	196	Toluene	5	ug/l	U	8260B	5	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-2	71-55-6	200	1,1,1-Trichloroethane	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-2	79-00-5	202	1,1,2-Trichloroethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-2	79-01-6	201	Trichloroethene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-2	75-69-4	203	Trichlorofluoromethane	5	ug/l	U	8260B	5	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-2	96-18-4	206	1,2,3-Trichloropropane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-2	108-05-4	210	Vinyl acetate	10	ug/l	U	8260B	10	50	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-2	75-01-4	211	Vinyl chloride	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-2	1330-20-7	346	Xylenes, Total	3	ug/l	U	8260B	3	4	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-2	106-93-4	68	1,2-Dibromoethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-2	96-12-8	67	1,2-Dibromo-3-Chloropropane	5	ug/l	U	8260B	5	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-2	7439-97-6	132	Mercury	0.2	ug/l	U	7470A	0.2	0.2	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-2	7440-39-3	15	Barium	82	ug/l	U	6010B	5	100	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-MW-2	7440-47-3	51	Chromium	10	ug/l	U	6010B	10	10	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-MW-2	7440-48-4	53	Cobalt	10	ug/l	U	6010B	10	10	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-MW-2	7440-02-0	152	Nickel	20	ug/l	U	6010B	20	50	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-MW-2	7440-22-4	184	Silver	10	ug/l	U	6010B	10	10	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-MW-2	7440-62-2	209	Vanadium	10	ug/l	U	6010B	10	25	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-MW-2	7440-36-0	13	Antimony	0.59	ug/l	J	6020	1	6	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-2	7440-38-2	14	Arsenic	0.59	ug/l	J	6020	1	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-2	7440-41-7	23	Beryllium	0.43	ug/l	J	6020	1	1	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-2	7440-43-9	34	Cadmium	0.49	ug/l	J	6020	0.5	1	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-2	7440-50-8	54	Copper	1.4	ug/l	J	6020	1	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-2	7439-92-1	131	Lead	0.5	ug/l	J	6020	1	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-2	7782-49-2	183	Selenium	1	ug/l	U	6020	1	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-2	7440-28-0	194	Thallium	1	ug/l	U	6020	1	5.5	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-2	7440-66-6	213	Zinc	14	ug/l	J	6020	10	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-3R	SW318	318	Depth To Water	3.64	ft						19-Nov-08		
32-01	32-01-MW-3R	SW411	411	Total Well Depth	17.65	ft						19-Nov-08		
32-01	32-01-MW-3R	SW328	328	TOC Elevation	NM	ft AMSL						19-Nov-08		
32-01	32-01-MW-3R	SW427	427	Groundwater Elevation	NM	ft AMSL						19-Nov-08		
32-01	32-01-MW-3R	SW320	320	PH (field)	6.4	S.U.						19-May-08		
32-01	32-01-MW-3R	SW356	356	Dissolved Oxygen (field)	3.84	mg/l						19-May-08		
32-01	32-01-MW-3R	SW330	330	Turbidity (field)	56.1	NTU						19-May-08		
32-01	32-01-MW-3R	SW325	325	Temperature (field)	15.64	°C						19-May-08		
32-01	32-01-MW-3R	SW323	323	Specific Conductivity (field)	1,384	µs/cm						19-May-08		
32-01	32-01-MW-3R	SW336	336	Oxygen Reduction Potential (field)	-92.4	Mv						19-May-08		
32-01	32-01-MW-3R	67-64-1	3	Acetone	50	ug/l	U	8260B	50	100	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-3R	107-13-1	8	Acrylonitrile	10	ug/l	U	8260B	10	200	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-3R	71-43-2	16	Benzene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-3R	74-97-5	28	Bromochloromethane	1	ug/l	U	8260B	1	3	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-3R	75-27-4	29	Bromodichloromethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-3R	75-25-2	30	Bromoform	1	ug/l	U	8260B	1	3	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-3R	74-83-9	136	Bromomethane	5	ug/l	U	8260B	5	10	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-3R	75-15-0	35	Carbon disulfide	1	ug/l	U	8260B	1	100	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-3R	56-23-5	36	Carbon tetrachloride	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-3R	108-90-7	39	Chlorobenzene	1	ug/l	U	8260B	1	3	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-3R	124-48-1	68	Chlorodibromomethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-3R	75-00-3	41	Chloroethane	5	ug/l	U	8260B	5	10	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-3R	67-66-3	44	Chloroform	5	ug/l	U	8260B	5	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-3R	74-87-3	137	Chloromethane	2.5	ug/l	U	8260B	2.5	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-3R	74-95-3	138	Dibromomethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-3R	95-50-1	69	1,2-Dichlorobenzene	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-3R	106-46-7	71	1,4-Dichlorobenzene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-3R	110-57-6	73	trans-1,4-Dichloro-2-butene	2.5	ug/l	U	8260B	2.5	10	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-3R	75-34-3	75	1,1-Dichloroethane	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-3R	107-06-2	76	1,2-Dichloroethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-3R	75-35-4	77	1,1-Dichloroethene	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-3R	156-59-2	78	cis-1,2-Dichloroethene	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-3R	156-60-5	79	trans-1,2-Dichloroethene	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-3R	78-87-5	82	1,2-Dichloropropane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-3R	10061-01-5	86	cis-1,3-Dichloropropene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-3R	10061-02-6	87	trans-1,4-Dichloropropene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-3R	100-41-4	110	Ethylbenzene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-3R	591-78-6	124	2-Hexanone	10	ug/l	U	8260B	10	50	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-3R	74-88-4	142	Iodomethane	10	ug/l	U	8260B	10	10	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-3R	78-93-3	141	2-Butanone (MEK)	10	ug/l	U	8260B	10	10	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-3R	75-09-2	140	Methylene Chloride	5	ug/l	U	8260B	5	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-3R	108-10-1	147	4-Methyl-2-pentanone (MIBK)	10	ug/l	U	8260B	10	100	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-3R	100-42-5	188	Styrene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-3R	630-20-6	190	1,1,1,2-Tetrachloroethane	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-3R	79-34-5	191	1,1,2,2-Tetrachloroethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-3R	127-18-4	192	Tetrachloroethene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-3R	108-88-3	196	Toluene	5	ug/l	U	8260B	5	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-3R	71-55-6	200	1,1,1-Trichloroethane	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-3R	79-00-5	202	1,1,2-Trichloroethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-3R	79-01-6	201	Trichloroethene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-3R	75-69-4	203	Trichlorofluoromethane	5	ug/l	U	8260B	5	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-3R	96-18-4	206	1,2,3-Trichloropropane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-3R	108-05-4	210	Vinyl acetate	10	ug/l	U	8260B	10	50	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-3R	75-01-4	211	Vinyl chloride	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-3R	1330-20-7	346	Xylenes, Total	3	ug/l	U	8260B	3	4	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-3R	106-93-4	68	1,2-Dibromoethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-3R	96-12-8	67	1,2-Dibromo-3-Chloropropane	5	ug/l	U	8260B	5	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-3R	7439-97-6	132	Mercury	0.11	ug/l	J	7470A	0.2	0.2	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-3R	7440-39-3	15	Barium	180	ug/l	J	6010B	5	100	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-MW-3R	7440-47-3	51	Chromium	3	ug/l	J	6010B	10	10	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-MW-3R	7440-48-4	53	Cobalt	4.7	ug/l	J	6010B	10	10	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-MW-3R	7440-02-0	152	Nickel	11	ug/l	J	6010B	20	50	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-MW-3R	7440-22-4	184	Silver	10	ug/l	U	6010B	10	10	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-MW-3R	7440-62-2	209	Vanadium	2.3	ug/l	J	6010B	10	25	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-MW-3R	7440-36-0	13	Antimony	0.68	ug/l	J	6020	1	6	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-3R	7440-38-2	14	Arsenic	5.9	ug/l		6020	1	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-3R	7440-43-9	34	Cadmium	0.34	ug/l	J	6020	0.5	1	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-3R	7440-50-8	54	Copper	3.4	ug/l		6020	1	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-3R	7439-92-1	131	Lead	1.3	ug/l		6020	1	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-3R	7782-49-2	183	Selenium	1.5	ug/l		6020	1	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-3R	7440-28-0	194	Thallium	1	ug/l	U	6020	1	5.5	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-3R	7440-66-6	213	Zinc	23	ug/l		6020	10	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-3R	7440-41-7	23	Beryllium	5	ug/l	U	6020	5	1	5	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-4R	SW318	318	Depth To Water	2.33	ft						19-Nov-08		
32-01	32-01-MW-4R	SW411	411	Total Well Depth	17.39	ft						19-Nov-08		
32-01	32-01-MW-4R	SW328	328	TOC Elevation	295.63	ft AMSL						19-Nov-08		
32-01	32-01-MW-4R	SW427	427	Groundwater Elevation	293.3	ft AMSL						19-Nov-08		

Table 7
Solid Waste Section Summary Database
Groundwater Elevation Data, Field Parameters, and Groundwater Quality Summary
City of Durham Closed Municipal Solid Waste Landfill
November 19, 2008
S&ME Project No. 1054-07-469

Facility Permit	Well ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifier	Method	MDL	SWSL	Dilution Factor	Collection Date	Extraction Date	Analysis Date
32-01	32-01-MW-4R	SW320	320	PH (field)	7.05	S.U.						19-May-08		
32-01	32-01-MW-4R	SW356	356	Dissolved Oxygen (field)	7.62	mg/l						19-May-08		
32-01	32-01-MW-4R	SW330	330	Turbidity (field)	3.9	NTU						19-May-08		
32-01	32-01-MW-4R	SW325	325	Temperature (field)	15.45	°C						19-May-08		
32-01	32-01-MW-4R	SW323	323	Specific Conductivity (field)	711	µs/cm						19-May-08		
32-01	32-01-MW-4R	SW336	336	Oxygen Reduction Potential (field)	40.9	Mv						19-May-08		
32-01	32-01-MW-4R	67-64-1	3	Acetone	50	ug/l	U	8260B	50	100	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-4R	107-13-1	8	Acrylonitrile	10	ug/l	U	8260B	10	200	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-4R	71-43-2	16	Benzene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-4R	74-97-5	28	Bromochloromethane	1	ug/l	U	8260B	1	3	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-4R	75-27-4	29	Bromodichloromethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-4R	75-25-2	30	Bromoform	1	ug/l	U	8260B	1	3	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-4R	74-83-9	136	Bromomethane	5	ug/l	U	8260B	5	10	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-4R	75-15-0	35	Carbon disulfide	1	ug/l	U	8260B	1	100	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-4R	56-23-5	36	Carbon tetrachloride	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-4R	108-90-7	39	Chlorobenzene	1	ug/l	U	8260B	1	3	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-4R	124-48-1	66	Chlorodibromomethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-4R	75-00-3	41	Chloroethane	5	ug/l	U	8260B	5	10	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-4R	67-66-3	44	Chloroform	5	ug/l	U	8260B	5	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-4R	74-87-3	137	Chloromethane	2.5	ug/l	U	8260B	2.5	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-4R	74-95-3	139	Dibromomethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-4R	95-50-1	69	1,2-Dichlorobenzene	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-4R	106-46-7	71	1,4-Dichlorobenzene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-4R	110-57-6	73	trans-1,4-Dichloro-2-butene	2.5	ug/l	U	8260B	2.5	10	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-4R	75-34-3	75	1,1-Dichloroethane	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-4R	107-06-2	76	1,2-Dichloroethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-4R	75-35-4	77	1,1-Dichloroethene	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-4R	156-59-2	78	cis-1,2-Dichloroethene	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-4R	156-60-5	79	trans-1,2-Dichloroethene	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-4R	78-87-5	82	1,2-Dichloropropane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-4R	10061-01-5	86	cis-1,3-Dichloropropene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-4R	10061-02-6	87	trans-1,3-Dichloropropene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-4R	100-41-4	110	Ethylbenzene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-4R	591-78-6	124	2-Hexanone	10	ug/l	U	8260B	10	50	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-4R	74-88-4	142	Iodomethane	10	ug/l	U	8260B	10	10	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-4R	78-93-3	141	2-Butanone (MEK)	10	ug/l	U	8260B	10	10	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-4R	75-09-2	140	Methylene Chloride	5	ug/l	U	8260B	5	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-4R	108-10-1	147	4-Methyl-2-pentanone (MIBK)	10	ug/l	U	8260B	10	100	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-4R	100-42-5	186	Styrene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-4R	630-20-6	190	1,1,1,2-Tetrachloroethane	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-4R	79-34-5	191	1,1,2,2-Tetrachloroethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-4R	127-18-4	192	Tetrachloroethene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-4R	108-88-3	196	Toluene	5	ug/l	U	8260B	5	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-4R	71-55-6	200	1,1,1-Trichloroethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-4R	79-00-5	202	1,1,2-Trichloroethane	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-4R	79-01-6	201	Trichloroethene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-4R	75-69-4	203	Trichlorofluoromethane	5	ug/l	U	8260B	5	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-4R	96-18-4	206	1,2,3-Trichloropropane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-4R	108-05-4	210	Vinyl acetate	10	ug/l	U	8260B	10	50	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-4R	75-01-4	211	Vinyl chloride	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-4R	1330-20-7	346	Xylenes, Total	3	ug/l	U	8260B	3	4	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-4R	106-93-4	68	1,2-Dibromoethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-4R	96-12-8	67	1,2-Dibromo-3-Chloropropane	5	ug/l	U	8260B	5	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-4R	7439-97-6	132	Mercury	0.2	ug/l	U	7470A	0.2	0.2	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-4R	7440-39-3	15	Barium	510	ug/l		6010B	5	100	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-MW-4R	7440-47-3	51	Chromium	2.5	ug/l	J	6010B	10	10	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-MW-4R	7440-48-4	53	Cobalt	10	ug/l	U	6010B	10	10	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-MW-4R	7440-02-0	152	Nickel	20	ug/l	U	6010B	20	50	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-MW-4R	7440-22-4	184	Silver	10	ug/l	U	6010B	10	10	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-MW-4R	7440-62-2	209	Vanadium	10	ug/l	U	6010B	10	25	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-MW-4R	7440-36-0	13	Antimony	0.65	ug/l	J	6020	1	6	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-4R	7440-38-2	14	Arsenic	1.2	ug/l		6020	1	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-4R	7440-43-9	34	Cadmium	0.4	ug/l	J	6020	0.5	1	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-4R	7440-50-8	54	Copper	1.5	ug/l		6020	1	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-4R	7439-92-1	131	Lead	0.19	ug/l	J	6020	1	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-4R	7782-49-2	183	Selenium	0.42	ug/l	J	6020	1	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-4R	7440-28-0	194	Thallium	1	ug/l	U	6020	1	5.5	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-4R	7440-66-6	213	Zinc	22	ug/l		6020	10	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-4R	7440-41-7	23	Beryllium	5	ug/l	U	6020	5	1	5	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-5	SW318	318	Depth To Water	8.51	ft						19-Nov-08		
32-01	32-01-MW-5	SW411	411	Total Well Depth	21.77	ft						19-Nov-08		
32-01	32-01-MW-5	SW328	328	TOC Elevation	299.76	ft AMSL						19-Nov-08		
32-01	32-01-MW-5	SW427	427	Groundwater Elevation	291.25	ft AMSL						19-Nov-08		
32-01	32-01-MW-5	SW320	320	PH (field)	7.18	S.U.						19-May-08		
32-01	32-01-MW-5	SW356	356	Dissolved Oxygen (field)	0.89	mg/l						19-May-08		
32-01	32-01-MW-5	SW330	330	Turbidity (field)	7.4	NTU						19-May-08		
32-01	32-01-MW-5	SW325	325	Temperature (field)	17.22	°C						19-May-08		
32-01	32-01-MW-5	SW323	323	Specific Conductivity (field)	846	µs/cm						19-May-08		
32-01	32-01-MW-5	SW336	336	Oxygen Reduction Potential (field)	-103.7	Mv						19-May-08		
32-01	32-01-MW-5	67-64-1	3	Acetone	50	ug/l	U	8260B	50	100	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-5	107-13-1	8	Acrylonitrile	10	ug/l	U	8260B	10	200	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-5	71-43-2	16	Benzene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-5	74-97-5	28	Bromochloromethane	1	ug/l	U	8260B	1	3	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-5	75-27-4	29	Bromodichloromethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-5	75-25-2	30	Bromoform	1	ug/l	U	8260B	1	3	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-5	74-83-9	136	Bromomethane	5	ug/l	U	8260B	5	10	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-5	75-15-0	35	Carbon disulfide	1	ug/l	U	8260B	1	100	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-5	56-23-5	36	Carbon tetrachloride	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-5	108-90-7	39	Chlorobenzene	1	ug/l	U	8260B	1	3	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-5	124-48-1	66	Chlorodibromomethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-5	75-00-3	41	Chloroethane	5	ug/l	U	8260B	5	10	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-5	67-66-3	44	Chloroform	5	ug/l	U	8260B	5	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-5	74-87-3	137	Chloromethane	2.5	ug/l	U	8260B	2.5	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-5	74-95-3	139	Dibromomethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-5	95-50-1	69	1,2-Dichlorobenzene	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-5	106-46-7	71	1,4-Dichlorobenzene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-5	110-57-6	73	trans-1,4-Dichloro-2-butene	2.5	ug/l	U	8260B	2.5	10	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-5	75-34-3	75	1,1-Dichloroethane	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-5	107-06-2	76	1,2-Dichloroethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-5	75-35-4	77	1,1-Dichloroethene	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-5	156-59-2	78	cis-1,2-Dichloroethene	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-5	156-60-5	79	trans-1,2-Dichloroethene	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-5	78-87-5	82	1,2-Dichloropropane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-5	10061-01-5	86	cis-1,3-Dichloropropene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-5	10061-02-6	87	trans-1,3-Dichloropropene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-5	100-41-4	110	Ethylbenzene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-5	591-78-6	124	2-Hexanone	10	ug/l	U	8260B	10	50	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-5	74-88-4	142	Iodomethane	10	ug/l	U	8260B	10	10	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-5	78-93-3	141	2-Butanone (MEK)	10	ug/l	U	8260B	10	10	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-5	75-09-2	140	Methylene Chloride	5	ug/l	U	8260B	5	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-5	108-10-1	147	4-Methyl-2-pentanone (MIBK)	10	ug/l	U	8260B	10	100	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-5	100-42-5	186	Styrene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-5	630-20-6	190	1,1,1,2-Tetrachloroethane	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-5	79-34-5	191	1,1,2,2-Tetrachloroethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-5	127-18-4	192	Tetrachloroethene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-5	108-88-3	196	Toluene	5	ug/l	U	8260B	5	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-5	71-55-6	200	1,1,1-Trichloroethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-5	79-00-5	202	1,1,2-Trichloroethane	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-5	79-01-6	201	Trichloroethene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-5	75-69-4	203	Trichlorofluoromethane	5	ug/l	U	8260B	5	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-5	96-18-4	206	1,2,3-Trichloropropane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-5	108-05-4	210	Vinyl acetate	10	ug/l	U	8260B	10	50	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-5	75-01-4	211	Vinyl chloride	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-5	1330-20-7	346	Xylenes, Total	3	ug/l	U	8260B	3	4	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-5	106-93-4	68	1,2-Dibromoethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-5	96-12-8	67	1,2-Dibromo-3-Chloropropane	5	ug/l	U	8260B	5	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-5	7439-97-6	132	Mercury	0.2	ug/l	U	7470A	0.2	0.2	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-5	7440-39-3	15	Barium	1400	ug/l		6010B	5	100	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-MW-5	7440-47-3	51	Chromium	10	ug/l	U	6010B	10	10	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-MW-5	7440-48-4	53	Cobalt	10	ug/l	U	6010B	10	10	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-MW-5	7440-02-0	152	Nickel	20	ug/l	U	6010B	20	50	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-MW-5	7440-22-4	184	Silver	10	ug/l	U	6010B	10	10	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-MW-5	7440-62-2	209	Vanadium	10	ug/l	U	6010B	10	25	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-MW-5	7440-36-0	13	Antimony	0.53	ug/l	J	6020	1	6	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-5	7440-38-2	14	Arsenic	4.4	ug/l		6020	1	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-5	7440-41-7	23	Beryllium	0.34	ug/l	J	6020	1	1	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-5	7440-43-9	34	Cadmium	0.28	ug/l	J	6020	0.5	1	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-5	7440-50-8	54	Copper	1.3	ug/l		6020	1	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-5	7439-92-1	131	Lead	0.29	ug/l	J	6020	1	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-5	7782-49-2	183	Selenium	0.64	ug/l	J	6020	1	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-5	7440-28-0	194	Thallium	1	ug/l	U	6020	1	5.5	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-5	7440-66-6	213	Zinc	58	ug/l		6020	10	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-7R	SW318	318	Depth To Water	15.75	ft						19-Nov-08		
32-01	32-01-MW-7R	SW411	411	Total Well Depth	44.1	ft						19-Nov-08		
32-01	32-01-MW-7R	SW328	328	TOC Elevation	316.21	ft AMSL						19-Nov-08		
32-01	32-01-MW-7R	SW427	427	Groundwater Elevation	302.46	ft AMSL						19-Nov-08		
32-01	32-01-MW-7R	SW320	320	PH (field)	7.87	S.U.						19-May-08		
32-01	32-01-MW-7R	SW356	356	Dissolved Oxygen (field)	3.48	mg/l						19-May-08		
32-01	32-01-MW-7R	SW330	330	Turbidity (field)	10.9	NTU						19-May-08		
32-01	32-01-MW-7R	SW325	325	Temperature (field)	14.84	°C						19-May-08		
32-01	32-01-MW-7R	SW323	323	Specific Conductivity (field)	423	µs/cm						19-May-08		
32-01	32-01-MW-7R	SW336	336	Oxygen Reduction Potential (field)	-69.5	Mv						19-May-08		
32-01	32-01-MW-7R	67-64-1	3	Acetone	50	ug/l	U	8260B	50	100	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	107-02-8	7	Acrolein	50	ug/l	U	8260B	50	53	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	107-13-1	8	Acrylonitrile	10	ug/l	U	8260B	10	200	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	71-43-2	16	Benzene	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	75-27-4	29	Bromodichloromethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	74-97-5	28	Bromochloromethane	1	ug/l	U	8260B	1	3	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	75-25-2	30	Bromoform	1	ug/l	U	8260B	1	3	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	74-83-9	136	Bromomethane	5	ug/l	U	8260B	5	10	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	75-15-0	35	Carbon disulfide	1	ug/l	U	8260B	1	100	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	56-23-5	36	Carbon tetrachloride	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	108-90-7	39	Chlorobenzene	1	ug/l	U	8260B	1	3	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	124-48-1	66	Chlorodibromomethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	75-00-3	41	Chloroethane	5	ug/l	U	8260B	5	10	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	67-66-3	44	Chloroform	5	ug/l	U	8260B	5	5	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	74-87-3	137	Chloromethane	2.5	ug/l	U	8260B	2.5	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	106-93-4	68	1,2-Dibromoethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	96-12-8	67	1,2-Dibromo-3-Chloropropane	5	ug/l	U	8260B	5	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	74-95-3	139	Dibromomethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	95-50-1	69	1,2-Dichlorobenzene	1	ug/l	U	8260B	1	5	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	541-73-1	70	1,3-Dichlorobenzene	1	ug/l	U	8260B	1	5	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	106-46-7	71	1,4-Dichlorobenzene	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	75-71-8	74	Dichlorodifluoromethane	5	ug/l	U	8260B	5	5	1	19-Nov-08	23-Nov-08	23-Nov-08

Table 7
Solid Waste Section Summary Database
Groundwater Elevation Data, Field Parameters, and Groundwater Quality Summary
City of Durham Closed Municipal Solid Waste Landfill
November 19, 2008
S&ME Project No. 1054-07-469

Facility Permit	Well ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifier	Method	MDL	SWSL	Dilution Factor	Collection Date	Extraction Date	Analysis Date
32-01	32-01-MW-7R	75-34-3	75	1,1-Dichloroethane	1	ug/l	U	8260B	1	5	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	107-06-2	76	1,2-Dichloroethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	75-35-4	77	1,1-Dichloroethene	1	ug/l	U	8260B	1	5	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	156-59-2	78	cis-1,2-Dichloroethene	1	ug/l	U	8260B	1	5	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	156-60-5	79	trans-1,2-Dichloroethene	1	ug/l	U	8260B	1	5	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	78-87-5	82	1,2-Dichloropropane	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	142-28-9	83	1,3-Dichloropropane	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	594-20-7	84	2,2-Dichloropropane	1	ug/l	U	8260B	1	15	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	10061-01-5	86	cis-1,3-Dichloropropene	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	10061-02-6	87	trans-1,3-Dichloropropene	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	563-58-6	85	1,1-Dichloropropene	1	ug/l	U	8260B	1	5	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	100-41-4	110	Ethylbenzene	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	591-78-6	124	2-Hexanone	10	ug/l	U	8260B	10	50	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	74-88-4	142	Iodomethane	10	ug/l	U	8260B	10	10	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	78-93-3	141	2-Butanone (MEK)	10	ug/l	U	8260B	10	10	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	75-09-2	140	Methylene Chloride	5	ug/l	U	8260B	5	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	108-10-1	147	4-Methyl-2-pentanone (MIBK)	10	ug/l	U	8260B	10	100	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	100-42-5	186	Styrene	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	630-20-6	190	1,1,1,2-Tetrachloroethane	1	ug/l	U	8260B	1	5	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	79-34-5	191	1,1,2,2-Tetrachloroethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	127-18-4	192	Tetrachloroethene	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	108-88-3	196	Toluene	5	ug/l	U	8260B	5	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	120-82-1	199	1,2,4-Trichlorobenzene	1	ug/l	U	8260B	1	10	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	71-55-6	200	1,1,1-Trichloroethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	79-00-5	202	1,1,2-Trichloroethane	1	ug/l	U	8260B	1	5	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	79-01-6	201	Trichloroethene	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	75-69-4	203	Trichlorofluoromethane	5	ug/l	U	8260B	5	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	96-18-4	206	1,2,3-Trichloropropane	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	108-05-4	210	Vinyl acetate	10	ug/l	U	8260B	10	50	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	75-01-4	211	Vinyl chloride	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	1330-20-7	346	Xylenes, Total	3	ug/l	U	8260B	3	4	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	75-05-8	4	Acetonitrile	50	ug/l	U	8260B	50	200	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	107-05-1	10	Allyl chloride	5	ug/l	U	8260B	5	10	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	126-99-8	50	Chloroprene	50	ug/l	U	8260B	50	20	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	110-57-6	73	trans-1,4-Dichloro-2-butene	2.5	ug/l	U	8260B	2.5	100	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	97-63-2	112	Ethyl methacrylate	5	ug/l	U	8260B	5	10	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	78-83-1	126	Isobutanol	100	ug/l	U	8260B	100	100	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	126-98-7	133	Methacrylonitrile	50	ug/l	U	8260B	50	100	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	80-62-6	143	Methyl methacrylate	50	ug/l	U	8260B	50	30	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	107-12-0	180	Propionitrile	50	ug/l	U	8260B	50	150	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-7R	94-75-7	59	2,4-D	2	ug/l	U	8151	2	2	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-MW-7R	93-76-5	188	2,4,5-T	2	ug/l	U	8151	2	2	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-MW-7R	93-72-1	185	2,4,5-TP (Silvex)	2	ug/l	U	8151	2	2	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-MW-7R	88-85-7	102	Dinoseb	2	ug/l	U	8151	2	2	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-MW-7R	309-00-2	9	Aldrin	0.05	ug/l	U	8081/8082	0.05	0.05	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-MW-7R	319-84-6	24	Alpha BHC	0.05	ug/l	U	8081/8082	0.05	0.05	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-MW-7R	319-85-7	25	Beta BHC	0.05	ug/l	U	8081/8082	0.05	0.05	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-MW-7R	319-86-8	26	Delta BHC	0.05	ug/l	U	8081/8082	0.05	0.05	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-MW-7R	58-89-9	27	Gamma BHC	0.05	ug/l	U	8081/8082	0.05	0.05	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-MW-7R	57-74-9	339	Chlordane	0.5	ug/l	U	8081/8082	0.5	0.5	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-MW-7R	72-54-8	60	4,4-DDD	0.05	ug/l	U	8081/8082	0.05	0.1	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-MW-7R	72-55-9	61	4,4-DDE	0.05	ug/l	U	8081/8082	0.05	0.1	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-MW-7R	50-29-3	62	4,4-DDT	0.1	ug/l	U	8081/8082	0.1	0.1	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-MW-7R	60-57-1	88	Dieldrin	0.05	ug/l	U	8081/8082	0.05	0.075	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-MW-7R	959-98-8	105	Endosulfan I	0.05	ug/l	U	8081/8082	0.05	0.1	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-MW-7R	33213-65-9	106	Endosulfan II	0.05	ug/l	U	8081/8082	0.05	0.1	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-MW-7R	1031-07-8	107	Endosulfan sulfate	0.05	ug/l	U	8081/8082	0.05	0.1	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-MW-7R	72-20-8	108	Endrin	0.05	ug/l	U	8081/8082	0.05	0.1	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-MW-7R	7421-93-4	109	Endrin aldehyde	0.05	ug/l	U	8081/8082	0.05	0.1	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-MW-7R	76-44-8	117	Heptachlor	0.05	ug/l	U	8081/8082	0.05	0.05	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-MW-7R	1024-57-3	118	Heptachlor epoxide	0.05	ug/l	U	8081/8082	0.05	0.075	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-MW-7R	118-74-1	119	Hexachlorobenzene	0.5	ug/l	U	8081/8082	0.5	10	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-MW-7R	72-43-5	135	Methoxychlor	0.1	ug/l	U	8081/8082	0.1	1	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-MW-7R	8001-35-2	198	Toxaphene	1	ug/l	U	8081/8082	1	1.5	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-MW-7R	18496-25-8	187	Sulfide	17	ug/l	J	4500-S2 D	50	1000	1	19-Nov-08	24-Nov-08	25-Nov-08
32-01	32-01-MW-7R	12674-11-2	401	PCB 1016	0.5	ug/l	U	8081/8082	0.5	2	1	19-Nov-08	23-Nov-08	26-Nov-08
32-01	32-01-MW-7R	11104-28-2	402	PCB 1221	0.5	ug/l	U	8081/8082	0.5	2	1	19-Nov-08	23-Nov-08	26-Nov-08
32-01	32-01-MW-7R	11141-16-5	403	PCB 1232	0.5	ug/l	U	8081/8082	0.5	2	1	19-Nov-08	23-Nov-08	26-Nov-08
32-01	32-01-MW-7R	53469-21-9	404	PCB 1242	0.5	ug/l	U	8081/8082	0.5	2	1	19-Nov-08	23-Nov-08	26-Nov-08
32-01	32-01-MW-7R	12672-29-6	405	PCB 1248	0.5	ug/l	U	8081/8082	0.5	2	1	19-Nov-08	23-Nov-08	26-Nov-08
32-01	32-01-MW-7R	11097-69-1	406	PCB 1254	0.5	ug/l	U	8081/8082	0.5	2	1	19-Nov-08	23-Nov-08	26-Nov-08
32-01	32-01-MW-7R	11096-82-5	407	PCB 1260	0.5	ug/l	U	8081/8082	0.5	2	1	19-Nov-08	23-Nov-08	26-Nov-08
32-01	32-01-MW-7R	57-12-5	58	Cyanide	5	ug/l	U	9012B	5	10	1	19-Nov-08	25-Nov-08	26-Nov-08
32-01	32-01-MW-7R	83-32-9	1	Acenaphthene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	208-96-8	2	Acenaphthylene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	120-12-7	12	Anthracene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	56-55-3	17	Benzo(a)anthracene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	205-99-2	18	Benzo(b)fluoranthene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	207-08-9	19	Benzo(k)fluoranthene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	191-24-2	20	Benzo(g,h,i)perylene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	50-32-8	21	Benzo(a)pyrene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	100-51-6	22	Benzyl alcohol	10	ug/l	U	8270C	10	20	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	111-91-1	42	Bis(2-chloroethoxy)methane	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	111-44-4	43	Bis(2-chloroethyl)ether	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	108-60-1	46	Bis(2-chloroisopropyl)ether	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	101-55-3	31	4-Bromophenyl-phenylether	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	106-47-8	38	4-Chloroaniline	10	ug/l	U	8270C	10	20	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	91-58-7	47	2-Chloronaphthalene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	7005-72-3	49	4-Chlorophenyl-phenylether	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	218-01-9	52	Chrysene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	53-70-3	64	Dibenz(a,h)anthracene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	132-64-9	65	Dibenzofuran	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	91-94-1	72	3,3-Dichlorobenzidine	10	ug/l	U	8270C	10	20	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	121-14-2	100	2,4-Dinitrotoluene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	606-20-2	101	2,6-Dinitrotoluene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	206-44-0	115	Fluoranthene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	86-73-7	116	Fluorene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	118-74-1	119	Hexachlorobenzene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	87-68-3	120	Hexachloro-1,3-butadiene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	77-47-4	121	Hexachlorocyclopentadiene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	67-72-1	122	Hexachloroethane	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	193-39-5	125	Indeno(1,2,3-cd)pyrene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	78-59-1	128	Isophorone	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	91-57-6	145	2-Methylnaphthalene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	91-20-3	148	Naphthalene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	88-74-4	154	2-Nitroaniline	10	ug/l	U	8270C	10	50	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	99-09-2	153	3-Nitroaniline	10	ug/l	U	8270C	10	50	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	100-01-6	155	4-Nitroaniline	10	ug/l	U	8270C	10	20	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	98-95-3	156	Nitrobenzene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	86-30-6	163	n-Nitrosodiphenylamine	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	621-64-7	164	n-Nitrosodi-n-propylamine	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	85-01-8	175	Phenanthrene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	85-68-7	32	Benzylbutyl phthalate	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	117-81-7	111	Bis(2-ethylhexyl)phthalate	10	ug/l	U	8270C	10	15	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	84-74-2	33	Di-n-butyl phthalate	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	84-66-2	90	Diethyl phthalate	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	131-11-3	96	Dimethyl phthalate	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	117-84-0	168	Di-n-octyl phthalate	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	129-00-0	181	Pyrene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	120-82-1	199	1,2,4-Trichlorobenzene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	59-50-7	45	4-Chloro-3-methylphenol	10	ug/l	U	8270C	10	20	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	95-57-8	48	2-Chlorophenol	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	95-48-7	56	2-Methylphenol	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	SW374	374	3&4-Methyl phenol	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	120-83-2	80	2,4-Dichlorophenol	10	ug/l	U	8270C	10	50	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	105-67-9	95	2,4-Dimethylphenol	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	534-52-1	98	4,6-Dinitro-2-methylphenol	10	ug/l	U	8270C	10	50	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	51-28-5	99	2,4-Dinitrophenol	10	ug/l	U	8270C	10	50	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	88-75-5	158	2-Nitrophenol	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	100-02-7	159	4-Nitrophenol	10	ug/l	U	8270C	10	50	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	87-86-5	173	Pentachlorophenol	10	ug/l	U	8270C	10	25	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	108-95-2	177	Phenol	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	95-95-4	204	2,4,5-Trichlorophenol	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	88-06-2	205	2,4,6-Trichlorophenol	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	98-86-2	5	Acetophenone	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	62-75-9	161	n-Nitrosodimethylamine	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	95-94-3	189	1,2,4,5-Tetrachlorobenzene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	7439-97-6	132	Mercury	0.2	ug/l	U	7470A	0.2	0.2	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-7R	53-96-3	6	2-Acetylaminofluorene	10	ug/l	U	8270C	10	20	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-7R	92-67-1	11	4-Aminobiphenyl	10	ug/l	U	8270C	10	15	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-7R	510-15-6	40	Chlorobenzilate	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-7R	2303-16-4	63	Diallate	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-7R	62-50-0	113	Ethyl methanesulfonate	10	ug/l	U	8270C	10	20	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-7R	52-85-7	114	Famphur	10	ug/l	U	8270C	10	20	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-7R	1888-71-7	123	Hexachloropropene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-7R	465-73-6	127	Isodrin	10	ug/l	U	8270C	10	20	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-7R	120-58-1	129	Isosafrole	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-7R	143-50-0	130	Kepone	10	ug/l	U	8270C	10	20	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-7R	91-80-5	134	Methapyrilene	10	ug/l	U	8270C	10	100	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-7R	56-49-5	138	3-Methylcholanthrene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-7R	66-27-3	144	Methyl methanesulfonate	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-7R	298-00-0	146	Methyl parathion	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-7R	130-15-4	149	1,4-Naphthoquinone	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-7R	134-32-7	150	1-Naphthylamine	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-7R	91-59-8	151	2-Naphthylamine	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-7R	924-16-3	162	n-Nitrosodi-n-butylamine	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-7R	55-18-5	160	n-Nitrosodiethylamine	10	ug/l	U	8270C	10	20	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-7R	10595-95-6	165	n-Nitrosomethylethylamine	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-7R	100-75-4	166	n-Nitrosopiperidine	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-7R	930-55-2	167	n-Nitrosopyrrolidine	10	ug/l	U	8270C	10	20	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-7R	99-55-8	157	5-Nitro-o-toluidine	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-7R	56-38-2	169	Ethyl Parathion	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-7R	608-93-5	171	Pentachlorobenzene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-7R	82-68-8	172	Pentachloronitrobenzene	10	ug/l	U	8270C	10	20	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-7R	62-44-2	174	Phenacetin	10	ug/l	U	8270C	10	20	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-7R	298-02-2	178	Phorate	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-7R	23950-58-5	179	Pronamide	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-7R	106-50-3	176	p-Phenylenediamine	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-7R	60-51-5	91	Dimethoate	10	ug/l	U	8270C	10	20	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-7R	60-11-7	92	P-(Dimethylamino) Azobenzene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-7R	57-97-6	93	Dimethylbenz (A) Anthracene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-7R	119-93-7	94	3,3-Dimethylbenzidine	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-7R	99-65-0	97	1,3-Dinitrobenzene	10	ug/l	U	8270C	10	20	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-7R	122-39-4	103	Diphenylamine	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08

Table 7
Solid Waste Section Summary Database
Groundwater Elevation Data, Field Parameters, and Groundwater Quality Summary
City of Durham Closed Municipal Solid Waste Landfill
November 19, 2008
S&ME Project No. 1054-07-469

Facility Permit	Well ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifier	Method	MDL	SWSL	Dilution Factor	Collection Date	Extraction Date	Analysis Date
32-01	32-01-MW-7R	298-04-4	104	Disulfoton	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-7R	94-59-7	162	Safrole	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-7R	297-97-2	89	Thionazin	10	ug/l	U	8270C	10	20	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-7R	95-53-4	197	o-Toluidine	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-7R	126-68-1	207	O,O,O-Triethyl phosphorothioate	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-7R	99-35-4	208	1,3,5-Trinitrobenzene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-7R	87-65-0	81	2,6-Dichlorophenol	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-7R	58-90-2	193	2,3,4,6-Tetrachlorophenol	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-7R	7440-39-3	15	Barium	580	ug/l		6010B	5	100	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-MW-7R	7440-47-3	51	Chromium	10	ug/l	U	6010B	10	10	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-MW-7R	7440-48-4	53	Cobalt	10	ug/l	U	6010B	10	10	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-MW-7R	7439-92-1	131	Lead	4.7	ug/l	J	6010B	5	10	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-MW-7R	7440-02-0	152	Nickel	20	ug/l	U	6010B	20	50	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-MW-7R	7440-22-4	184	Silver	10	ug/l	U	6010B	10	10	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-MW-7R	7440-62-2	209	Vanadium	10	ug/l	U	6010B	10	25	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-MW-7R	7440-36-0	13	Antimony	0.53	ug/l	J	6020	1	6	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-7R	7440-38-2	14	Arsenic	1.7	ug/l		6020	1	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-7R	7440-41-7	23	Beryllium	0.3	ug/l	J	6020	1	1	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-7R	7440-43-9	34	Cadmium	0.29	ug/l	J	6020	0.5	1	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-7R	7440-50-8	54	Copper	1.2	ug/l		6020	1	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-7R	7782-49-2	183	Selenium	1	ug/l	U	6020	1	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-7R	7440-28-0	194	Thallium	1	ug/l	U	6020	1	5.5	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-7R	7440-66-6	213	Zinc	26	ug/l		6020	10	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-8	SW318	318	Depth To Water	8.52	ft						19-Nov-08		
32-01	32-01-MW-8	SW411	411	Total Well Depth	16.52	ft						19-Nov-08		
32-01	32-01-MW-8	SW328	328	TOC Elevation	313.1	ft AMSL						19-Nov-08		
32-01	32-01-MW-8	SW427	427	Groundwater Elevation	304.58	ft AMSL						19-Nov-08		
32-01	32-01-MW-8	SW320	320	PH (field)	6.19	S.U.						19-May-08		
32-01	32-01-MW-8	SW356	356	Dissolved Oxygen (field)	0.82	mg/l						19-May-08		
32-01	32-01-MW-8	SW330	330	Turbidity (field)	14.7	NTU						19-May-08		
32-01	32-01-MW-8	SW325	325	Temperature (field)	16.01	°C						19-May-08		
32-01	32-01-MW-8	SW323	323	Specific Conductivity (field)	231	us/cm						19-May-08		
32-01	32-01-MW-8	SW336	336	Oxygen Reduction Potential (field)	-33.8	Mv						19-May-08		
32-01	32-01-MW-8	67-64-1	3	Acetone	50	ug/l	U	8260B	50	100	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-8	107-13-1	8	Acrylonitrile	10	ug/l	U	8260B	10	200	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-8	71-43-2	16	Benzene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-8	74-97-5	28	Bromochloromethane	1	ug/l	U	8260B	1	3	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-8	75-27-4	29	Bromodichloromethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-8	75-25-2	30	Bromoform	1	ug/l	U	8260B	1	3	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-8	74-83-9	138	Bromomethane	5	ug/l	U	8260B	5	10	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-8	75-15-0	35	Carbon disulfide	1	ug/l	U	8260B	1	100	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-8	56-23-5	36	Carbon tetrachloride	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-8	108-90-7	39	Chlorobenzene	1	ug/l	U	8260B	1	3	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-8	124-48-1	66	Chlorodibromomethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-8	75-00-3	41	Chloroethane	5	ug/l	U	8260B	5	10	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-8	67-66-3	44	Chloroform	5	ug/l	U	8260B	5	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-8	74-87-3	137	Chloromethane	2.5	ug/l	U	8260B	2.5	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-8	74-95-3	139	Dibromomethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-8	95-50-1	69	1,2-Dichlorobenzene	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-8	106-46-7	71	1,4-Dichlorobenzene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-8	110-57-6	73	trans-1,4-Dichloro-2-butene	2.5	ug/l	U	8260B	2.5	10	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-8	75-34-3	75	1,1-Dichloroethane	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-8	107-06-2	76	1,2-Dichloroethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-8	75-35-4	77	1,1-Dichloroethene	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-8	156-59-2	78	cis-1,2-Dichloroethene	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-8	156-60-5	79	trans-1,2-Dichloroethene	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-8	78-87-5	82	1,2-Dichloropropane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-8	10061-01-5	86	cis-1,3-Dichloropropene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-8	10061-02-6	87	trans-1,3-Dichloropropene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-8	100-41-4	110	Ethylbenzene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-8	591-78-6	124	2-Hexanone	10	ug/l	U	8260B	10	50	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-8	74-88-4	142	Iodomethane	10	ug/l	U	8260B	10	10	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-8	78-93-3	141	2-Butanone (MEK)	10	ug/l	U	8260B	10	10	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-8	75-09-2	140	Methylene Chloride	5	ug/l	U	8260B	5	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-8	108-10-1	147	4-Methyl-2-pentanone (MIBK)	10	ug/l	U	8260B	10	100	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-8	100-42-5	186	Styrene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-8	630-20-6	190	1,1,1,2-Tetrachloroethane	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-8	79-34-5	191	1,1,2,2-Tetrachloroethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-8	127-18-4	192	Tetrachloroethene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-8	108-88-3	196	Toluene	5	ug/l	U	8260B	5	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-8	71-55-6	200	1,1,1-Trichloroethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-8	79-00-5	202	1,1,2-Trichloroethane	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-8	79-01-6	201	Trichloroethene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-8	75-69-4	203	Trichlorofluoromethane	5	ug/l	U	8260B	5	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-8	96-18-4	206	1,2,3-Trichloropropane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-8	108-05-4	210	Vinyl acetate	10	ug/l	U	8260B	10	50	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-8	75-01-4	211	Vinyl chloride	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-8	1330-20-7	346	Xylenes, Total	3	ug/l	U	8260B	3	4	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-8	106-93-4	68	1,2-Dibromoethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-8	96-12-8	67	1,2-Dibromo-3-Chloropropane	5	ug/l	U	8260B	5	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-8	7439-97-6	132	Mercury	0.2	ug/l	U	7470A	0.2	0.2	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-8	7440-39-3	15	Barium	64	ug/l		6010B	5	100	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-MW-8	7440-47-3	51	Chromium	2.3	ug/l	J	6010B	10	10	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-MW-8	7440-48-4	53	Cobalt	7.8	ug/l	J	6010B	10	10	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-MW-8	7440-02-0	152	Nickel	20	ug/l	U	6010B	20	50	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-MW-8	7440-22-4	184	Silver	10	ug/l	U	6010B	10	10	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-MW-8	7440-62-2	209	Vanadium	10	ug/l	U	6010B	10	25	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-MW-8	7440-36-0	13	Antimony	0.54	ug/l	J	6020	1	6	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-8	7440-38-2	14	Arsenic	1.3	ug/l		6020	1	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-8	7440-41-7	23	Beryllium	0.37	ug/l	J	6020	1	1	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-8	7440-43-9	34	Cadmium	0.31	ug/l	J	6020	0.5	1	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-8	7440-50-8	54	Copper	2.6	ug/l		6020	1	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-8	7439-92-1	131	Lead	1.2	ug/l		6020	1	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-8	7782-49-2	183	Selenium	0.67	ug/l	J	6020	1	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-8	7440-28-0	194	Thallium	1	ug/l	U	6020	1	5.5	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-8	7440-66-6	213	Zinc	9.8	ug/l	J	6020	10	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-9R	SW318	318	Depth To Water	14.49	ft						19-Nov-08		
32-01	32-01-MW-9R	SW411	411	Total Well Depth	22.55	ft						19-Nov-08		
32-01	32-01-MW-9R	SW328	328	TOC Elevation	361.47	ft AMSL						19-Nov-08		
32-01	32-01-MW-9R	SW427	427	Groundwater Elevation	346.98	ft AMSL						19-Nov-08		
32-01	32-01-MW-9R	SW320	320	PH (field)	4.82	S.U.						19-May-08		
32-01	32-01-MW-9R	SW356	356	Dissolved Oxygen (field)	4.89	mg/l						19-May-08		
32-01	32-01-MW-9R	SW330	330	Turbidity (field)	11.3	NTU						19-May-08		
32-01	32-01-MW-9R	SW325	325	Temperature (field)	18.49	°C						19-May-08		
32-01	32-01-MW-9R	SW323	323	Specific Conductivity (field)	53	us/cm						19-May-08		
32-01	32-01-MW-9R	SW336	336	Oxygen Reduction Potential (field)	199.3	Mv						19-May-08		
32-01	32-01-MW-9R	67-64-1	3	Acetone	50	ug/l	U	8260B	50	100	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	107-02-8	7	Acrolein	50	ug/l	U	8260B	50	53	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	107-13-1	8	Acrylonitrile	10	ug/l	U	8260B	10	200	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	71-43-2	16	Benzene	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	75-27-4	29	Bromodichloromethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	74-97-5	28	Bromochloromethane	1	ug/l	U	8260B	1	3	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	75-25-2	30	Bromoform	1	ug/l	U	8260B	1	3	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	74-83-9	138	Bromomethane	5	ug/l	U	8260B	5	10	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	75-15-0	35	Carbon disulfide	1	ug/l	U	8260B	1	100	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	56-23-5	36	Carbon tetrachloride	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	108-90-7	39	Chlorobenzene	1	ug/l	U	8260B	1	3	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	124-48-1	66	Chlorodibromomethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	75-00-3	41	Chloroethane	5	ug/l	U	8260B	5	10	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	67-66-3	44	Chloroform	5	ug/l	U	8260B	5	5	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	74-87-3	137	Chloromethane	2.5	ug/l	U	8260B	2.5	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	106-93-4	68	1,2-Dibromoethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	96-12-8	67	1,2-Dibromo-3-Chloropropane	5	ug/l	U	8260B	5	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	74-95-3	139	Dibromomethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	95-50-1	69	1,2-Dichlorobenzene	1	ug/l	U	8260B	1	5	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	541-73-1	70	1,3-Dichlorobenzene	1	ug/l	U	8260B	1	5	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	106-46-7	71	1,4-Dichlorobenzene	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	75-71-8	74	Dichlorodifluoromethane	5	ug/l	U	8260B	5	5	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	75-34-3	75	1,1-Dichloroethane	1	ug/l	U	8260B	1	5	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	107-06-2	76	1,2-Dichloroethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	75-35-4	77	1,1-Dichloroethene	1	ug/l	U	8260B	1	5	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	156-59-2	78	cis-1,2-Dichloroethene	1	ug/l	U	8260B	1	5	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	156-60-5	79	trans-1,2-Dichloroethene	1	ug/l	U	8260B	1	5	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	78-87-5	82	1,2-Dichloropropane	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	142-28-9	83	1,3-Dichloropropane	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	594-20-7	84	2,2-Dichloropropane	1	ug/l	U	8260B	1	15	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	10061-01-5	86	cis-1,3-Dichloropropene	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	10061-02-6	87	trans-1,3-Dichloropropene	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	563-58-6	85	1,1-Dichloropropene	1	ug/l	U	8260B	1	5	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	100-41-4	110	Ethylbenzene	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	591-78-6	124	2-Hexanone	10	ug/l	U	8260B	10	50	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	74-88-4	142	Iodomethane	10	ug/l	U	8260B	10	10	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	78-93-3	141	2-Butanone (MEK)	10	ug/l	U	8260B	10	10	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	75-09-2	140	Methylene Chloride	5	ug/l	U	8260B	5	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	108-10-1	147	4-Methyl-2-pentanone (MIBK)	10	ug/l	U	8260B	10	100	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	100-42-5	186	Styrene	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	630-20-6	190	1,1,1,2-Tetrachloroethane	1	ug/l	U	8260B	1	5	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	79-34-5	191	1,1,2,2-Tetrachloroethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	127-18-4	192	Tetrachloroethene	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	108-88-3	196	Toluene	5	ug/l	U	8260B	5	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	120-82-1	199	1,2,4-Trichlorobenzene	1	ug/l	U	8260B	1	10	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	71-55-6	200	1,1,1-Trichloroethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	79-00-5	202	1,1,2-Trichloroethane	1	ug/l	U	8260B	1	5	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	79-01-6	201	Trichloroethene	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	75-69-4	203	Trichlorofluoromethane	5	ug/l	U	8260B	5	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	96-18-4	206	1,2,3-Trichloropropane	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	108-05-4	210	Vinyl acetate	10	ug/l	U	8260B	10	50	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	75-01-4	211	Vinyl chloride	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	1330-20-7	346	Xylenes, Total	3	ug/l	U	8260B	3	4	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	75-05-8	4	Acetonitrile	50	ug/l	U	8260B	50	200	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	107-05-1	10	Allyl chloride	5	ug/l	U	8260B	5	10	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	126-99-8	50	Chloroprene	50	ug/l	U	8260B	50	20	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	110-57-6	73	trans-1,4-Dichloro-2-butene	2.5	ug/l	U	8260B	2.5	100	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	97-63-2	112	Ethyl methacrylate	5	ug/l	U	8260B	5	10	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	78-83-1	126	Isobutanol	100	ug/l	U	8260B	100	100	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	126-98-7	133	Methacrylonitrile	50	ug/l	U	8260B	50	100	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	80-62-6	143	Methyl methacrylate	50	ug/l	U	8260B	50	30	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	107-12-0	180	Propionitrile	50	ug/l	U	8260B	50	150	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-MW-9R	94-75-7	58	2,4-D	2	ug/l	U	8151	2	2	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-MW-9R	93-76-5	188	2,4,5-T	2	ug/l	U	8151	2	2	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-MW-9R	93-72-1	185	2,4,5-TP (Silvex)	2	ug/l	U	8151	2	2	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-MW-9R	88-85-7	102	Dinoseb	2	ug/l	U	8151	2	2	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-MW-9R	309-00-2	9	Aldrin	0.05	ug/l	U	8081/8082	0.05	0.05	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-MW-9R	319-84-6	24	Alpha BHC	0.05	ug/l	U	8081/8082	0.05	0.05	1	19-Nov-08	23-Nov-08	24-Nov-08

Table 7
Solid Waste Section Summary Database
Groundwater Elevation Data, Field Parameters, and Groundwater Quality Summary
City of Durham Closed Municipal Solid Waste Landfill
November 19, 2008
S&ME Project No. 1054-07-469

Facility Permit	Well ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifier	Method	MDL	SWSL	Dilution Factor	Collection Date	Extraction Date	Analysis Date
32-01	32-01-MW-9R	319-85-7	25	Beta BHC	0.05	ug/l	U	8081/8082	0.05	0.05	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-MW-9R	319-86-8	26	Delta BHC	0.05	ug/l	U	8081/8082	0.05	0.05	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-MW-9R	58-89-9	27	Gamma BHC	0.05	ug/l	U	8081/8082	0.05	0.05	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-MW-9R	57-74-9	339	Chlordane	0.5	ug/l	U	8081/8082	0.5	0.5	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-MW-9R	72-54-8	60	4,4-DDD	0.05	ug/l	U	8081/8082	0.05	0.1	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-MW-9R	72-55-9	61	4,4-DDE	0.05	ug/l	U	8081/8082	0.05	0.1	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-MW-9R	50-29-3	62	4,4-DDT	0.1	ug/l	U	8081/8082	0.1	0.1	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-MW-9R	60-57-1	88	Dieldrin	0.05	ug/l	U	8081/8082	0.05	0.075	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-MW-9R	959-98-8	105	Endosulfan I	0.05	ug/l	U	8081/8082	0.05	0.1	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-MW-9R	33213-65-9	106	Endosulfan II	0.05	ug/l	U	8081/8082	0.05	0.1	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-MW-9R	1031-07-8	107	Endosulfan sulfate	0.05	ug/l	U	8081/8082	0.05	0.1	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-MW-9R	72-20-8	108	Endrin	0.05	ug/l	U	8081/8082	0.05	0.1	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-MW-9R	7421-93-4	109	Endrin aldehyde	0.05	ug/l	U	8081/8082	0.05	0.1	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-MW-9R	76-44-8	117	Heptachlor	0.05	ug/l	U	8081/8082	0.05	0.05	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-MW-9R	1024-57-3	118	Heptachlor epoxide	0.05	ug/l	U	8081/8082	0.05	0.075	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-MW-9R	118-74-1	119	Hexachlorobenzene	0.5	ug/l	U	8081/8082	0.5	10	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-MW-9R	72-43-5	135	Methoxychlor	0.1	ug/l	U	8081/8082	0.1	1	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-MW-9R	8001-35-2	198	Toxaphene	1	ug/l	U	8081/8082	1	1.5	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-MW-9R	18496-25-8	187	Sulfide	5.4	ug/l	J	4500-S2 D	50	1000	1	19-Nov-08	24-Nov-08	25-Nov-08
32-01	32-01-MW-9R	12674-11-2	401	PCB 1016	0.5	ug/l	U	8081/8082	0.5	2	1	19-Nov-08	23-Nov-08	26-Nov-08
32-01	32-01-MW-9R	11104-28-2	402	PCB 1221	0.5	ug/l	U	8081/8082	0.5	2	1	19-Nov-08	23-Nov-08	26-Nov-08
32-01	32-01-MW-9R	11141-16-5	403	PCB 1232	0.5	ug/l	U	8081/8082	0.5	2	1	19-Nov-08	23-Nov-08	26-Nov-08
32-01	32-01-MW-9R	53469-21-9	404	PCB 1242	0.5	ug/l	U	8081/8082	0.5	2	1	19-Nov-08	23-Nov-08	26-Nov-08
32-01	32-01-MW-9R	12672-29-6	405	PCB 1248	0.5	ug/l	U	8081/8082	0.5	2	1	19-Nov-08	23-Nov-08	26-Nov-08
32-01	32-01-MW-9R	11097-69-1	406	PCB 1254	0.5	ug/l	U	8081/8082	0.5	2	1	19-Nov-08	23-Nov-08	26-Nov-08
32-01	32-01-MW-9R	11096-82-5	407	PCB 1260	0.5	ug/l	U	8081/8082	0.5	2	1	19-Nov-08	23-Nov-08	26-Nov-08
32-01	32-01-MW-9R	57-12-5	58	Cyanide	5	ug/l	U	9012B	5	10	1	19-Nov-08	25-Nov-08	26-Nov-08
32-01	32-01-MW-9R	83-32-9	1	Acenaphthene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	208-96-8	2	Acenaphthylene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	120-12-7	12	Anthracene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	56-55-3	17	Benzo(a)anthracene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	205-99-2	18	Benzo(b)fluoranthene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	207-08-9	19	Benzo(k)fluoranthene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	191-24-2	20	Benzo(g,h,i)perylene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	50-32-8	21	Benzo(a)pyrene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	100-51-6	22	Benzyl alcohol	10	ug/l	U	8270C	10	20	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	111-91-1	42	Bis(2-chloroethoxy)methane	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	111-44-4	43	Bis(2-chloroethyl)ether	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	108-60-1	46	Bis(2-chloroisopropyl)ether	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	101-55-3	31	4-Bromophenyl-phenylether	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	106-47-8	38	4-Chloroaniline	10	ug/l	U	8270C	10	20	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	91-58-7	47	2-Chloronaphthalene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	7005-72-3	49	4-Chlorophenyl-phenylether	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	218-01-9	52	Chrysene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	53-70-3	64	Dibenz(a,h)anthracene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	132-64-9	65	Dibenzofuran	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	91-94-1	72	3,3-Dichlorobenzidine	10	ug/l	U	8270C	10	20	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	121-14-2	100	2,4-Dinitrotoluene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	606-20-2	101	2,6-Dinitrotoluene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	206-44-0	115	Fluoranthene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	86-73-7	116	Fluorene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	118-74-1	119	Hexachlorobenzene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	87-68-3	120	Hexachloro-1,3-butadiene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	77-47-4	121	Hexachlorocyclopentadiene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	67-72-1	122	Hexachloroethane	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	193-39-5	125	Indeno(1,2,3-cd)pyrene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	78-59-1	128	Isophorone	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	91-57-6	145	2-Methylnaphthalene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	91-20-3	148	Naphthalene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	88-74-4	154	2-Nitroaniline	10	ug/l	U	8270C	10	50	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	99-09-2	153	3-Nitroaniline	10	ug/l	U	8270C	10	50	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	100-01-6	155	4-Nitroaniline	10	ug/l	U	8270C	10	20	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	98-95-3	158	Nitrobenzene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	86-30-6	163	n-Nitrosodiphenylamine	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	621-64-7	164	n-Nitrosodi-n-propylamine	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	85-01-8	175	Phenanthrene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	85-68-7	32	Benzylbutyl phthalate	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	117-81-7	111	Bis(2-ethylhexyl)phthalate	10	ug/l	U	8270C	10	15	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	84-74-2	33	Di-n-butyl phthalate	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	84-66-2	90	Diethyl phthalate	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	131-11-3	96	Dimethyl phthalate	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	117-84-0	168	Di-n-octyl phthalate	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	129-00-0	181	Pyrene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	120-82-1	199	1,2,4-Trichlorobenzene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	59-50-7	45	4-Chloro-3-methylphenol	10	ug/l	U	8270C	10	20	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	95-57-8	48	2-Chlorophenol	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	95-48-7	56	2-Methylphenol	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	SW374	374	3&4-Methyl phenol	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	120-83-2	80	2,4-Dichlorophenol	10	ug/l	U	8270C	10	50	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	105-67-9	95	2,4-Dimethylphenol	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	534-52-1	98	4,6-Dinitro-2-methylphenol	10	ug/l	U	8270C	10	50	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	51-28-5	99	2,4-Dinitrophenol	10	ug/l	U	8270C	10	50	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	88-75-5	158	2-Nitrophenol	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	100-02-7	159	4-Nitrophenol	10	ug/l	U	8270C	10	50	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	87-86-5	173	Pentachlorophenol	10	ug/l	U	8270C	10	25	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	108-95-2	177	Phenol	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	95-95-4	204	2,4,5-Trichlorophenol	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	88-06-2	205	2,4,6-Trichlorophenol	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	98-86-2	5	Acetophenone	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	62-75-9	161	n-Nitrosodimethylamine	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	95-94-3	189	1,2,4,5-Tetrachlorobenzene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	7439-97-6	132	Mercury	0.2	ug/l	U	7470A	0.2	0.2	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-9R	53-96-3	6	2-Acetylaminofluorene	10	ug/l	U	8270C	10	20	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-9R	92-67-1	11	4-Aminobiphenyl	10	ug/l	U	8270C	10	15	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-9R	510-15-6	40	Chlorobenzilate	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-9R	2303-16-4	63	Diallate	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-9R	62-50-0	113	Ethyl methanesulfonate	10	ug/l	U	8270C	10	20	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-9R	52-85-7	114	Famphur	10	ug/l	U	8270C	10	20	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-9R	1888-71-7	123	Hexachloropropene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-9R	465-73-6	127	Isodrin	10	ug/l	U	8270C	10	20	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-9R	120-58-1	129	Isosafrole	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-9R	143-50-0	130	Kepone	10	ug/l	U	8270C	10	20	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-9R	91-80-5	134	Methapyrilene	10	ug/l	U	8270C	10	100	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-9R	56-49-5	138	3-Methylcholanthrene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-9R	66-27-3	144	Methyl methanesulfonate	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-9R	298-00-0	146	Methyl parathion	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-9R	130-15-4	149	1,4-Naphthoquinone	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-9R	134-32-7	150	1-Naphthylamine	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-9R	91-59-8	151	2-Naphthylamine	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-9R	924-16-3	162	n-Nitrosodi-n-butylamine	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-9R	55-18-5	160	n-Nitrosodiethylamine	10	ug/l	U	8270C	10	20	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-9R	10595-95-6	165	n-Nitrosomethylethylamine	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-9R	100-75-4	166	n-Nitrosopiperidine	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-9R	930-55-2	167	n-Nitrosopyrrolidine	10	ug/l	U	8270C	10	20	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-9R	99-55-8	157	5-Nitro-o-toluidine	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-9R	56-38-2	169	Ethyl Parathion	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-9R	608-93-5	171	Pentachlorobenzene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-9R	82-68-8	172	Pentachloronitrobenzene	10	ug/l	U	8270C	10	20	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-9R	62-44-2	174	Phenacetin	10	ug/l	U	8270C	10	20	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-9R	298-02-2	178	Phorate	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-9R	23950-58-5	179	Pronamide	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-9R	106-50-3	176	p-Phenylenediamine	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-9R	60-51-5	91	Dimethoate	10	ug/l	U	8270C	10	20	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-9R	60-11-7	92	P-(Dimethylamino) Azobenzene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-9R	57-97-6	93	Dimethylbenz (A) Anthracene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-9R	119-93-7	94	3,3-Dimethylbenzidine	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-9R	99-65-0	97	1,3-Dinitrobenzene	10	ug/l	U	8270C	10	20	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-9R	122-39-4	103	Diphenylamine	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-9R	298-04-4	104	Disulfoton	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-9R	94-59-7	182	Safrole	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-9R	297-97-2	89	Thionazin	10	ug/l	U	8270C	10	20	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-9R	95-53-4	197	o-Toluidine	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-9R	126-68-1	207	O,O,O-Triethyl phosphorothioate	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-9R	99-35-4	208	1,3,5-Trinitrobenzene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-9R	87-65-0	81	2,6-Dichlorophenol	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-9R	58-90-2	193	2,3,4,6-Tetrachlorophenol	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-MW-9R	7440-39-3	15	Barium	38	ug/l		6010B	5	100	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-MW-9R	7440-47-3	51	Chromium	10	ug/l	U	6010B	10	10	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-MW-9R	7440-48-4	53	Cobalt	5	ug/l	J	6010B	10	10	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-MW-9R	7439-92-1	131	Lead	3.2	ug/l	J	6010B	5	10	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-MW-9R	7440-02-0	152	Nickel	20	ug/l	U	6010B	20	50	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-MW-9R	7440-22-4	184	Silver	10	ug/l	U	6010B	10	10	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-MW-9R	7440-62-2	209	Vanadium	10	ug/l	U	6010B	10	25	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-MW-9R	7440-36-0	13	Antimony	0.51	ug/l	J	6020	1	6	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-9R	7440-38-2	14	Arsenic	0.26	ug/l	J	6020	1	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-9R	7440-41-7	23	Beryllium	0.73	ug/l	J	6020	1	1	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-9R	7440-43-9	34	Cadmium	0.29	ug/l	J	6020	0.5	1	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-9R	7440-50-8	54	Copper	1.2	ug/l		6020	1	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-9R	7782-49-2	183	Selenium	0.55	ug/l	J	6020	1	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-9R	7440-28-0	194	Thallium	1	ug/l	U	6020	1	5.5	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-9R	7440-66-6	213	Zinc	7.7	ug/l	J	6020	10	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-10	SW318	318	Depth To Water	6.68	ft						19-Nov-08		
32-01	32-01-MW-10	SW411	411	Total Well Depth	16.6	ft						19-Nov-08		
32-01	32-01-MW-10	SW328	328	TOC Elevation	284	ft AMSL						19-Nov-08		
32-01	32-01-MW-10	SW427	427	Groundwater Elevation	277.32	ft AMSL						19-Nov-08		
32-01	32-01-MW-10	SW320	320	PH (field)	5.87	S.U.						19-May-08		
32-01	32-01-MW-10	SW356	356	Dissolved Oxygen (field)	3.36	mg/l						19-May-08		
32-01	32-01-MW-10	SW330	330	Turbidity (field)	124.2	NTU						19-May-08		
32-01	32-01-MW-10	SW325	325	Temperature (field)	15.99	°C						19-May-08		
32-01	32-01-MW-10	SW323	323	Specific Conductivity (field)	654	us/cm						19-May-08		
32-01	32-01-MW-10	SW336	336	Oxygen Reduction Potential (field)	-8.8	Mv						19-May-08		
32-01	32-01-MW-10	67-64-1	3	Acetone	50	ug/l	U	8260B	50	100	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-10	107-13-1	8	Acrylonitrile	10	ug/l	U	8260B	10	200	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-10	71-43-2	16	Benzene	4	ug/l		8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-10	74-97-5	28	Bromochloromethane	1	ug/l	U	8260B	1	3	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-10	75-27-4	29	Bromodichloromethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-10	75-25-2	30	Bromoform	1	ug/l	U	8260B	1	3	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-10	74-83-9	136	Bromomethane	5	ug/l	U	8260B	5	10	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-10	75-15-0	35	Carbon disulfide	1	ug/l	U	8260B	1	100	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-10	56-23-5	36	Carbon tetrachloride	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-10	108-90-7	39	Chlorobenzene	1	ug/l	U	8260B	1	3	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-10	124-48-1	66	Chlorodibromomethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-10	75-00-3	41	Chloroethane	5	ug/l	U	8260B	5	10	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-10	67-66-3	44	Chloroform	5	ug/l	U	8260B	5	5	1	19-Nov-08	24-Nov-08	24-Nov-08

Table 7
Solid Waste Section Summary Database
Groundwater Elevation Data, Field Parameters, and Groundwater Quality Summary
City of Durham Closed Municipal Solid Waste Landfill
November 19, 2008
S&ME Project No. 1054-07-469

Facility Permit	Well ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifier	Method	MDL	SWSL	Dilution Factor	Collection Date	Extraction Date	Analysis Date
32-01	32-01-MW-10	74-87-3	137	Chloromethane	2.5	ug/l	U	8260B	2.5	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-10	74-95-3	139	Dibromomethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-10	95-50-1	69	1,2-Dichlorobenzene	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-10	106-46-7	71	1,4-Dichlorobenzene	13	ug/l		8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-10	110-57-6	73	trans-1,4-Dichloro-2-butene	2.5	ug/l	U	8260B	2.5	10	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-10	75-34-3	75	1,1-Dichloroethane	9.8	ug/l		8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-10	107-06-2	76	1,2-Dichloroethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-10	75-35-4	77	1,1-Dichloroethene	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-10	156-60-5	79	trans-1,2-Dichloroethene	12	ug/l		8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-10	78-87-5	82	1,2-Dichloropropane	11	ug/l		8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-10	10061-01-5	86	cis-1,3-Dichloropropene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-10	10061-02-6	87	trans-1,3-Dichloropropene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-10	100-41-4	110	Ethylbenzene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-10	591-78-6	124	2-Hexanone	10	ug/l	U	8260B	10	50	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-10	74-88-4	142	Iodomethane	10	ug/l	U	8260B	10	10	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-10	78-93-3	141	2-Butanone (MEK)	10	ug/l	U	8260B	10	10	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-10	75-09-2	140	Methylene Chloride	5	ug/l	U	8260B	5	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-10	108-10-1	147	4-Methyl-2-pentanone (MIBK)	10	ug/l	U	8260B	10	100	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-10	100-42-5	186	Styrene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-10	630-20-6	190	1,1,1,2-Tetrachloroethane	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-10	79-34-5	191	1,1,2,2-Tetrachloroethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-10	127-18-4	192	Tetrachloroethene	1.8	ug/l		8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-10	108-88-3	196	Toluene	5	ug/l	U	8260B	5	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-10	71-55-6	200	1,1,1-Trichloroethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-10	79-00-5	202	1,1,2-Trichloroethane	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-10	79-01-6	201	Trichloroethene	30	ug/l		8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-10	75-69-4	203	Trichlorofluoromethane	5	ug/l	U	8260B	5	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-10	96-18-4	206	1,2,3-Trichloropropane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-10	108-05-4	210	Vinyl acetate	10	ug/l	U	8260B	10	50	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-10	75-01-4	211	Vinyl chloride	25	ug/l		8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-10	1330-20-7	346	Xylenes, Total	3	ug/l	U	8260B	3	4	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-10	106-93-4	68	1,2-Dibromoethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-10	96-12-8	67	1,2-Dibromo-3-Chloropropane	5	ug/l	U	8260B	5	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-MW-10	156-59-2	78	cis-1,2-Dichloroethene	370	ug/l		8260B	10	5	10	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-MW-10	7439-97-6	132	Mercury	0.2	ug/l	U	7470A	0.2	0.2	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-MW-10	7440-39-3	15	Barium	250	ug/l		6010B	5	100	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-MW-10	7440-47-3	51	Chromium	6.3	ug/l	J	6010B	10	10	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-MW-10	7440-48-4	53	Cobalt	16	ug/l		6010B	10	10	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-MW-10	7440-02-0	152	Nickel	10	ug/l	J	6010B	20	50	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-MW-10	7440-22-4	184	Silver	10	ug/l	U	6010B	10	10	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-MW-10	7440-62-2	209	Vanadium	3.6	ug/l	J	6010B	10	25	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-MW-10	7440-36-0	13	Antimony	0.59	ug/l	J	6020	1	6	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-10	7440-38-2	14	Arsenic	3.7	ug/l		6020	1	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-10	7440-43-9	34	Cadmium	0.32	ug/l	J	6020	0.5	1	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-10	7440-50-8	54	Copper	3.7	ug/l		6020	1	1	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-10	7439-92-1	131	Lead	3.8	ug/l		6020	1	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-10	7782-49-2	183	Selenium	1.5	ug/l		6020	1	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-10	7440-28-0	194	Thallium	1	ug/l	U	6020	1	5.5	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-10	7440-66-6	213	Zinc	26	ug/l		6020	10	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-MW-10	7440-41-7	23	Beryllium	5	ug/l	U	6020	5	1	5	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-DUPLICATE-MW-3R	67-64-1	3	Acetone	50	ug/l	U	8260B	50	100	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-DUPLICATE-MW-3R	107-13-1	8	Acrylonitrile	10	ug/l	U	8260B	10	200	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-DUPLICATE-MW-3R	71-43-2	18	Benzene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-DUPLICATE-MW-3R	74-97-5	28	Bromochloromethane	1	ug/l	U	8260B	1	3	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-DUPLICATE-MW-3R	75-27-4	29	Bromodichloromethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-DUPLICATE-MW-3R	75-25-2	30	Bromoform	1	ug/l	U	8260B	1	3	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-DUPLICATE-MW-3R	74-83-9	136	Bromomethane	5	ug/l	U	8260B	5	10	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-DUPLICATE-MW-3R	75-15-0	35	Carbon disulfide	1	ug/l	U	8260B	1	100	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-DUPLICATE-MW-3R	56-23-5	36	Carbon tetrachloride	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-DUPLICATE-MW-3R	108-90-7	39	Chlorobenzene	1	ug/l	U	8260B	1	3	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-DUPLICATE-MW-3R	124-48-1	66	Chlorodibromomethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-DUPLICATE-MW-3R	75-00-3	41	Chloroethane	5	ug/l	U	8260B	5	10	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-DUPLICATE-MW-3R	67-66-3	44	Chloroform	5	ug/l	U	8260B	5	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-DUPLICATE-MW-3R	74-87-3	137	Chloromethane	2.5	ug/l	U	8260B	2.5	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-DUPLICATE-MW-3R	74-95-3	139	Dibromomethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-DUPLICATE-MW-3R	95-50-1	69	1,2-Dichlorobenzene	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-DUPLICATE-MW-3R	106-46-7	71	1,4-Dichlorobenzene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-DUPLICATE-MW-3R	110-57-6	73	trans-1,4-Dichloro-2-butene	2.5	ug/l	U	8260B	2.5	10	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-DUPLICATE-MW-3R	75-34-3	75	1,1-Dichloroethane	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-DUPLICATE-MW-3R	107-06-2	76	1,2-Dichloroethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-DUPLICATE-MW-3R	75-35-4	77	1,1-Dichloroethene	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-DUPLICATE-MW-3R	156-60-5	79	trans-1,2-Dichloroethene	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-DUPLICATE-MW-3R	78-87-5	82	1,2-Dichloropropane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-DUPLICATE-MW-3R	10061-01-5	86	cis-1,3-Dichloropropene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-DUPLICATE-MW-3R	10061-02-6	87	trans-1,3-Dichloropropene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-DUPLICATE-MW-3R	100-41-4	110	Ethylbenzene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-DUPLICATE-MW-3R	591-78-6	124	2-Hexanone	10	ug/l	U	8260B	10	50	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-DUPLICATE-MW-3R	74-88-4	142	Iodomethane	10	ug/l	U	8260B	10	10	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-DUPLICATE-MW-3R	78-93-3	141	2-Butanone (MEK)	10	ug/l	U	8260B	10	10	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-DUPLICATE-MW-3R	75-09-2	140	Methylene Chloride	5	ug/l	U	8260B	5	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-DUPLICATE-MW-3R	108-10-1	147	4-Methyl-2-pentanone (MIBK)	10	ug/l	U	8260B	10	100	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-DUPLICATE-MW-3R	100-42-5	186	Styrene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-DUPLICATE-MW-3R	630-20-6	190	1,1,1,2-Tetrachloroethane	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-DUPLICATE-MW-3R	79-34-5	191	1,1,2,2-Tetrachloroethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-DUPLICATE-MW-3R	127-18-4	192	Tetrachloroethene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-DUPLICATE-MW-3R	108-88-3	196	Toluene	5	ug/l	U	8260B	5	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-DUPLICATE-MW-3R	71-55-6	200	1,1,1-Trichloroethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-DUPLICATE-MW-3R	79-00-5	202	1,1,2-Trichloroethane	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-DUPLICATE-MW-3R	79-01-6	201	Trichloroethene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-DUPLICATE-MW-3R	75-69-4	203	Trichlorofluoromethane	5	ug/l	U	8260B	5	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-DUPLICATE-MW-3R	96-18-4	206	1,2,3-Trichloropropane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-DUPLICATE-MW-3R	108-05-4	210	Vinyl acetate	10	ug/l	U	8260B	10	50	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-DUPLICATE-MW-3R	75-01-4	211	Vinyl chloride	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-DUPLICATE-MW-3R	1330-20-7	346	Xylenes, Total	3	ug/l	U	8260B	3	4	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-DUPLICATE-MW-3R	106-93-4	68	1,2-Dibromoethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-DUPLICATE-MW-3R	96-12-8	67	1,2-Dibromo-3-Chloropropane	5	ug/l	U	8260B	5	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-DUPLICATE-MW-3R	156-59-2	78	cis-1,2-Dichloroethene	1	ug/l	U	8260B	1	5	1	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-DUPLICATE-MW-3R	7439-97-6	132	Mercury	0.2	ug/l	U	7470A	0.2	0.2	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-DUPLICATE-MW-3R	7440-39-3	15	Barium	380	ug/l		6010B	5	100	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-DUPLICATE-MW-3R	7440-47-3	51	Chromium	2.5	ug/l	J	6010B	10	10	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-DUPLICATE-MW-3R	7440-48-4	53	Cobalt	4.9	ug/l	J	6010B	10	10	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-DUPLICATE-MW-3R	7440-02-0	152	Nickel	12	ug/l	J	6010B	20	50	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-DUPLICATE-MW-3R	7440-22-4	184	Silver	10	ug/l	U	6010B	10	10	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-DUPLICATE-MW-3R	7440-62-2	209	Vanadium	2.2	ug/l	J	6010B	10	25	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-DUPLICATE-MW-3R	7440-36-0	13	Antimony	0.74	ug/l	J	6020	1	6	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-DUPLICATE-MW-3R	7440-38-2	14	Arsenic	5.2	ug/l		6020	1	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-DUPLICATE-MW-3R	7440-43-9	34	Cadmium	0.32	ug/l	J	6020	0.5	1	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-DUPLICATE-MW-3R	7440-50-8	54	Copper	3.4	ug/l		6020	1	1	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-DUPLICATE-MW-3R	7439-92-1	131	Lead	1.2	ug/l		6020	1	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-DUPLICATE-MW-3R	7782-49-2	183	Selenium	1.9	ug/l		6020	1	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-DUPLICATE-MW-3R	7440-28-0	194	Thallium	1	ug/l	U	6020	1	5.5	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-DUPLICATE-MW-3R	7440-66-6	213	Zinc	25	ug/l		6020	10	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-DUPLICATE-MW-3R	7440-41-7	23	Beryllium	5	ug/l	U	6020	5	1	5	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-EQUIPMENT BLANK	67-64-1	3	Acetone	50	ug/l	U	8260B	50	100	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	107-02-8	7	Acrolein	50	ug/l	U	8260B	50	53	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	107-13-1	8	Acrylonitrile	10	ug/l	U	8260B	10	200	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	71-43-2	18	Benzene	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	75-27-4	29	Bromodichloromethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	74-97-5	28	Bromochloromethane	1	ug/l	U	8260B	1	3	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	75-25-2	30	Bromoform	1	ug/l	U	8260B	1	3	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	74-83-9	136	Bromomethane	5	ug/l	U	8260B	5	10	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	75-15-0	35	Carbon disulfide	1	ug/l	U	8260B	1	100	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	56-23-5	36	Carbon tetrachloride	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	108-90-7	39	Chlorobenzene	1	ug/l	U	8260B	1	3	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	124-48-1	66	Chlorodibromomethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	75-00-3	41	Chloroethane	5	ug/l	U	8260B	5	10	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	67-66-3	44	Chloroform	5	ug/l	U	8260B	5	5	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	74-87-3	137	Chloromethane	2.5	ug/l	U	8260B	2.5	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	106-93-4	68	1,2-Dibromoethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	96-12-8	67	1,2-Dibromo-3-Chloropropane	5	ug/l	U	8260B	5	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	74-95-3	139	Dibromomethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	95-50-1	69	1,2-Dichlorobenzene	1	ug/l	U	8260B	1	5	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	541-73-1	70	1,3-Dichlorobenzene	1	ug/l	U	8260B	1	5	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	106-46-7	71	1,4-Dichlorobenzene	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	75-71-8	74	Dichlorodifluoromethane	5	ug/l	U	8260B	5	5	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	75-34-3	75	1,1-Dichloroethane	1	ug/l	U	8260B	1	5	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	107-06-2	76	1,2-Dichloroethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	75-35-4	77	1,1-Dichloroethene	1	ug/l	U	8260B	1	5	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	156-59-2	78	cis-1,2-Dichloroethene	1	ug/l	U	8260B	1	5	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	156-60-5	79	trans-1,2-Dichloroethene	1	ug/l	U	8260B	1	5	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	78-87-5	82	1,2-Dichloropropane	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	142-28-9	83	1,3-Dichloropropane	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	594-20-7	84	2,2-Dichloropropane	1	ug/l	U	8260B	1	15	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	10061-01-5	86	cis-1,3-Dichloropropene	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	10061-02-6	87	trans-1,3-Dichloropropene	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	563-58-6	85	1,1-Dichloropropene	1	ug/l	U	8260B	1	5	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	100-41-4	110	Ethylbenzene	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	591-78-6	124	2-Hexanone	10	ug/l	U	8260B	10	50	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	74-88-4	142	Iodomethane	10	ug/l	U	8260B	10	10	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	78-93-3	141	2-Butanone (MEK)	10	ug/l	U	8260B	10	10	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	75-09-2	140	Methylene Chloride	5	ug/l	U	8260B	5	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	108-10-1	147	4-Methyl-2-pentanone (MIBK)	10	ug/l	U	8260B	10	100	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	100-42-5	186	Styrene	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	630-20-6	190	1,1,1,2-Tetrachloroethane	1	ug/l	U	8260B	1	5	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	79-34-5	191	1,1,2,2-Tetrachloroethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	127-18-4	192	Tetrachloroethene	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	108-88-3	196	Toluene	5	ug/l	U	8260B	5	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	120-82-1	199	1,2,4-Trichlorobenzene	1	ug/l	U	8260B	1	10	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	71-55-6	200	1,1,1-Trichloroethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	79-00-5	202	1,1,2-Trichloroethane	1	ug/l	U	8260B	1	5	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	79-01-6	201	Trichloroethene	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	75-69-4	203	Trichlorofluoromethane	5	ug/l	U	8260B	5	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	96-18-4	206	1,2,3-Trichloropropane	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	108-05-4	210	Vinyl acetate	10	ug/l	U	8260B	10	50	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	75-01-4	211	Vinyl chloride	1	ug/l	U	8260B	1	1	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	1330-20-7	346	Xylenes, Total	3	ug/l	U	8260B	3	4	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	75-05-8	4	Acetonitrile	50	ug/l	U	8260B	50	200	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	107-05-1	10	Allyl chloride	5	ug/l	U	8260B	5	10	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	126-99-8	60	Chloroprene	50	ug/l	U	8260B	50	20	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	110-57-6	73	trans-1,4-Dichloro-2-butene	2.5	ug/l	U	8260B	2.5	100	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	97-63-2	112	Ethyl methacrylate	5	ug/l	U	8260B	5	10	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	78-83-1	126	Isobutanol	100	ug/l	U	8260B	100	100	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	126-98-7	133	Methacrylonitrile	50	ug/l	U	8260B	50	100	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	80-62-6	143	Methyl methacrylate	50	ug/l	U	8260B	50	30	1	19-Nov-08	23-Nov-08	23-Nov-08

Table 7
Solid Waste Section Summary Database
Groundwater Elevation Data, Field Parameters, and Groundwater Quality Summary
City of Durham Closed Municipal Solid Waste Landfill
November 19, 2008
S&ME Project No. 1054-07-469

Facility Permit	Well ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifier	Method	MDL	SWSL	Dilution Factor	Collection Date	Extraction Date	Analysis Date
32-01	32-01-EQUIPMENT BLANK	107-12-0	180	Propionitrile	50	ug/l	U	8260B	50	150	1	19-Nov-08	23-Nov-08	23-Nov-08
32-01	32-01-EQUIPMENT BLANK	94-75-7	59	2,4-D	2	ug/l	U	8151	2	2	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-EQUIPMENT BLANK	93-76-5	188	2,4,5-T	2	ug/l	U	8151	2	2	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-EQUIPMENT BLANK	93-72-1	185	2,4,5-TP (Silvex)	2	ug/l	U	8151	2	2	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-EQUIPMENT BLANK	88-85-7	102	Dinoseb	2	ug/l	U	8151	2	2	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-EQUIPMENT BLANK	309-00-2	9	Aldrin	0.05	ug/l	U	8081/8082	0.05	0.05	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-EQUIPMENT BLANK	319-84-6	24	Alpha BHC	0.05	ug/l	U	8081/8082	0.05	0.05	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-EQUIPMENT BLANK	319-85-7	25	Beta BHC	0.05	ug/l	U	8081/8082	0.05	0.05	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-EQUIPMENT BLANK	319-86-8	26	Delta BHC	0.05	ug/l	U	8081/8082	0.05	0.05	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-EQUIPMENT BLANK	58-89-9	27	Gamma BHC	0.05	ug/l	U	8081/8082	0.05	0.05	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-EQUIPMENT BLANK	57-74-9	339	Chlordane	0.5	ug/l	U	8081/8082	0.5	0.5	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-EQUIPMENT BLANK	72-54-8	60	4,4-DDD	0.05	ug/l	U	8081/8082	0.05	0.1	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-EQUIPMENT BLANK	72-55-9	61	4,4-DDE	0.05	ug/l	U	8081/8082	0.05	0.1	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-EQUIPMENT BLANK	50-29-3	62	4,4-DDT	0.1	ug/l	U	8081/8082	0.1	0.1	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-EQUIPMENT BLANK	60-57-1	88	Dieldrin	0.05	ug/l	U	8081/8082	0.05	0.075	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-EQUIPMENT BLANK	959-98-8	105	Endosulfan I	0.05	ug/l	U	8081/8082	0.05	0.1	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-EQUIPMENT BLANK	33213-65-9	106	Endosulfan II	0.05	ug/l	U	8081/8082	0.05	0.1	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-EQUIPMENT BLANK	1031-07-8	107	Endosulfan sulfate	0.05	ug/l	U	8081/8082	0.05	0.1	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-EQUIPMENT BLANK	72-20-8	108	Endrin	0.05	ug/l	U	8081/8082	0.05	0.1	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-EQUIPMENT BLANK	7421-93-4	109	Endrin aldehyde	0.05	ug/l	U	8081/8082	0.05	0.1	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-EQUIPMENT BLANK	76-44-8	117	Heptachlor	0.05	ug/l	U	8081/8082	0.05	0.05	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-EQUIPMENT BLANK	1024-57-3	118	Heptachlor epoxide	0.05	ug/l	U	8081/8082	0.05	0.075	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-EQUIPMENT BLANK	118-74-1	119	Hexachlorobenzene	0.5	ug/l	U	8081/8082	0.5	10	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-EQUIPMENT BLANK	72-43-5	135	Methoxychlor	0.1	ug/l	U	8081/8082	0.1	1	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-EQUIPMENT BLANK	8001-35-2	198	Toxaphene	1	ug/l	U	8081/8082	1	1.5	1	19-Nov-08	23-Nov-08	24-Nov-08
32-01	32-01-EQUIPMENT BLANK	18496-25-8	187	Sulfide	50	ug/l	U	4500-S2 D	50	1000	1	19-Nov-08	24-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	12674-11-2	401	PCB 1016	0.5	ug/l	U	8081/8082	0.5	2	1	19-Nov-08	23-Nov-08	26-Nov-08
32-01	32-01-EQUIPMENT BLANK	11104-28-2	402	PCB 1221	0.5	ug/l	U	8081/8082	0.5	2	1	19-Nov-08	23-Nov-08	26-Nov-08
32-01	32-01-EQUIPMENT BLANK	11141-16-5	403	PCB 1232	0.5	ug/l	U	8081/8082	0.5	2	1	19-Nov-08	23-Nov-08	26-Nov-08
32-01	32-01-EQUIPMENT BLANK	53469-21-9	404	PCB 1242	0.5	ug/l	U	8081/8082	0.5	2	1	19-Nov-08	23-Nov-08	26-Nov-08
32-01	32-01-EQUIPMENT BLANK	12672-29-6	405	PCB 1248	0.5	ug/l	U	8081/8082	0.5	2	1	19-Nov-08	23-Nov-08	26-Nov-08
32-01	32-01-EQUIPMENT BLANK	11097-69-1	406	PCB 1254	0.5	ug/l	U	8081/8082	0.5	2	1	19-Nov-08	23-Nov-08	26-Nov-08
32-01	32-01-EQUIPMENT BLANK	11096-82-5	407	PCB 1260	0.41	ug/l	J	8081/8082	0.5	2	1	19-Nov-08	23-Nov-08	26-Nov-08
32-01	32-01-EQUIPMENT BLANK	57-12-5	58	Cyanide	5	ug/l	U	9012B	5	10	1	19-Nov-08	25-Nov-08	26-Nov-08
32-01	32-01-EQUIPMENT BLANK	83-32-9	1	Acenaphthene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	208-96-8	2	Acenaphthylene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	120-12-7	12	Anthracene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	56-55-3	17	Benzo(a)anthracene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	205-99-2	18	Benzo(b)fluoranthene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	207-08-9	19	Benzo(k)fluoranthene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	191-24-2	20	Benzo(g,h,i)perylene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	50-32-8	21	Benzo(a)pyrene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	100-51-6	22	Benzyl alcohol	10	ug/l	U	8270C	10	20	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	111-91-1	42	Bis(2-chloroethoxy)methane	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	111-44-4	43	Bis(2-chloroethyl)ether	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	108-60-1	46	Bis(2-chloroisopropyl)ether	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	101-55-3	31	4-Bromophenyl-phenylether	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	106-47-8	38	4-Chloroaniline	10	ug/l	U	8270C	10	20	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	91-58-7	47	2-Chloronaphthalene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	7005-72-3	49	4-Chlorophenyl-phenylether	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	218-01-9	52	Chrysene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	53-70-3	64	Dibenz(a,h)anthracene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	132-64-9	65	Dibenzofuran	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	91-94-1	72	3,3-Dichlorobenzidine	10	ug/l	U	8270C	10	20	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	121-14-2	100	2,4-Dinitrotoluene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	606-20-2	101	2,6-Dinitrotoluene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	206-44-0	115	Fluoranthene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	86-73-7	116	Fluorene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	118-74-1	119	Hexachlorobenzene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	87-68-3	120	Hexachloro-1,3-butadiene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	77-47-4	121	Hexachlorocyclopentadiene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	67-72-1	122	Hexachloroethane	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	193-39-5	125	Indeno(1,2,3-cd)pyrene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	78-59-1	128	Isophorone	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	91-57-6	145	2-Methylnaphthalene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	91-20-3	148	Naphthalene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	88-74-4	154	2-Nitroaniline	10	ug/l	U	8270C	10	50	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	99-09-2	153	3-Nitroaniline	10	ug/l	U	8270C	10	50	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	100-01-6	155	4-Nitroaniline	10	ug/l	U	8270C	10	20	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	98-95-3	156	Nitrobenzene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	86-30-6	163	n-Nitrosodiphenylamine	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	621-64-7	164	n-Nitrosodi-n-propylamine	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	85-01-8	175	Phenanthrene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	85-68-7	32	Benzylbutyl phthalate	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	117-81-7	111	Bis(2-ethylhexyl)phthalate	10	ug/l	U	8270C	10	15	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	84-74-2	33	Di-n-butyl phthalate	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	84-66-2	90	Diethyl phthalate	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	131-11-3	98	Dimethyl phthalate	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	117-84-0	168	Di-n-octyl phthalate	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	129-00-0	181	Pyrene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	120-82-1	199	1,2,4-Trichlorobenzene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	59-50-7	45	4-Chloro-3-methylphenol	10	ug/l	U	8270C	10	20	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	95-57-8	48	2-Chlorophenol	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	95-48-7	66	2-Methylphenol	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	SW374	374	3&4-Methyl phenol	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	120-83-2	80	2,4-Dichlorophenol	10	ug/l	U	8270C	10	50	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	105-67-9	95	2,4-Dimethylphenol	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	534-52-1	98	4,6-Dinitro-2-methylphenol	10	ug/l	U	8270C	10	50	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	51-28-5	99	2,4-Dinitrophenol	10	ug/l	U	8270C	10	50	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	88-75-5	158	2-Nitrophenol	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	100-02-7	159	4-Nitrophenol	10	ug/l	U	8270C	10	50	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	87-86-5	173	Pentachlorophenol	10	ug/l	U	8270C	10	25	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	108-95-2	177	Phenol	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	95-95-4	204	2,4,5-Trichlorophenol	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	88-06-2	205	2,4,6-Trichlorophenol	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	98-86-2	5	Acetophenone	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	62-75-9	161	n-Nitrosodimethylamine	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	95-94-3	189	1,2,4,5-Tetrachlorobenzene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	7439-97-6	132	Mercury	0.2	ug/l	U	7470A	0.2	0.2	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-EQUIPMENT BLANK	53-96-3	6	2-Acetylaminofluorene	10	ug/l	U	8270C	10	20	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-EQUIPMENT BLANK	92-67-1	11	4-Aminobiphenyl	10	ug/l	U	8270C	10	15	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-EQUIPMENT BLANK	510-15-6	40	Chlorobenzilate	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-EQUIPMENT BLANK	2303-16-4	63	Diallate	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-EQUIPMENT BLANK	62-50-0	113	Ethyl methanesulfonate	10	ug/l	U	8270C	10	20	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-EQUIPMENT BLANK	52-85-7	114	Famphur	10	ug/l	U	8270C	10	20	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-EQUIPMENT BLANK	1888-71-7	123	Hexachloropropene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-EQUIPMENT BLANK	465-73-6	127	Isodrin	10	ug/l	U	8270C	10	20	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-EQUIPMENT BLANK	120-58-1	129	Isosafrole	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-EQUIPMENT BLANK	143-50-0	130	Kepone	10	ug/l	U	8270C	10	20	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-EQUIPMENT BLANK	91-80-5	134	Methapyrilene	10	ug/l	U	8270C	10	100	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-EQUIPMENT BLANK	56-49-5	138	3-Methylcholanthrene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-EQUIPMENT BLANK	66-27-3	144	Methyl methanesulfonate	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-EQUIPMENT BLANK	298-00-0	146	Methyl parathion	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-EQUIPMENT BLANK	130-15-4	149	1,4-Naphthoquinone	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-EQUIPMENT BLANK	134-32-7	150	1-Naphthylamine	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-EQUIPMENT BLANK	91-59-8	151	2-Naphthylamine	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-EQUIPMENT BLANK	924-16-3	162	n-Nitrosodi-n-butylamine	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-EQUIPMENT BLANK	55-18-5	160	n-Nitrosodiethylamine	10	ug/l	U	8270C	10	20	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-EQUIPMENT BLANK	10595-95-6	165	n-Nitrosomethylethylamine	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-EQUIPMENT BLANK	100-75-4	166	n-Nitrosopiperidine	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-EQUIPMENT BLANK	930-55-2	167	n-Nitrosopyrrolidine	10	ug/l	U	8270C	10	20	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-EQUIPMENT BLANK	99-55-8	157	5-Nitro-o-toluidine	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-EQUIPMENT BLANK	56-38-2	169	Ethyl Parathion	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-EQUIPMENT BLANK	608-93-5	171	Pentachlorobenzene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-EQUIPMENT BLANK	82-68-8	172	Pentachloronitrobenzene	10	ug/l	U	8270C	10	20	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-EQUIPMENT BLANK	62-44-2	174	Phenacetin	10	ug/l	U	8270C	10	20	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-EQUIPMENT BLANK	298-02-2	178	Phorate	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-EQUIPMENT BLANK	23950-58-5	179	Pronamide	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-EQUIPMENT BLANK	106-50-3	176	p-Phenylenediamine	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-EQUIPMENT BLANK	60-51-5	91	Dimethoate	10	ug/l	U	8270C	10	20	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-EQUIPMENT BLANK	60-11-7	92	P-(Dimethylamino) Azobenzene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-EQUIPMENT BLANK	57-97-6	93	Dimethylbenz (A) Anthracene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-EQUIPMENT BLANK	119-93-7	94	3,3-Dimethylbenzidine	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-EQUIPMENT BLANK	99-65-0	97	1,3-Dinitrobenzene	10	ug/l	U	8270C	10	20	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-EQUIPMENT BLANK	122-39-4	103	Diphenylamine	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-EQUIPMENT BLANK	298-04-4	104	Disulfoton	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-EQUIPMENT BLANK	94-59-7	182	Safrole	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-EQUIPMENT BLANK	297-97-2	89	Thionazin	10	ug/l	U	8270C	10	20	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-EQUIPMENT BLANK	95-53-4	197	o-Toluidine	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-EQUIPMENT BLANK	126-68-1	207	O,O,O-Triethyl phosphorothioate	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-EQUIPMENT BLANK	99-35-4	208	1,3,5-Trinitrobenzene	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-EQUIPMENT BLANK	87-65-0	81	2,6-Dichlorophenol	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-EQUIPMENT BLANK	58-90-2	193	2,3,4,6-Tetrachlorophenol	10	ug/l	U	8270C	10	10	1	19-Nov-08	23-Nov-08	28-Nov-08
32-01	32-01-EQUIPMENT BLANK	7440-39-3	15	Barium	5	ug/l	U	6010B	5	100	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-EQUIPMENT BLANK	7440-47-3	51	Chromium	10	ug/l	U	6010B	10	10	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-EQUIPMENT BLANK	7440-48-4	53	Cobalt	10	ug/l	U	6010B	10	10	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-EQUIPMENT BLANK	7439-92-1	131	Lead	3.1	ug/l	J	6010B	5	10	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-EQUIPMENT BLANK	7440-02-0	152	Nickel	20	ug/l	U	6010B	20	50	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-EQUIPMENT BLANK	7440-22-4	184	Silver	10	ug/l	U	6010B	10	10	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-EQUIPMENT BLANK	7440-62-2	209	Vanadium	10	ug/l	U	6010B	10	25	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-EQUIPMENT BLANK	7440-36-0	13	Antimony	0.53	ug/l	J	6020	1	6	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-EQUIPMENT BLANK	7440-38-2	14	Arsenic	1	ug/l	U	6020	1	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-EQUIPMENT BLANK	7440-41-7	23	Beryllium	1	ug/l	U	6020	1	1	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-EQUIPMENT BLANK	7440-43-9	34	Cadmium	0.28	ug/l	J	6020	0.5	1	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-EQUIPMENT BLANK	7440-50-8	54	Copper	1.1	ug/l		6020	1	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-EQUIPMENT BLANK	7782-49-2	183	Selenium	0.36	ug/l	J	6020	1	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-EQUIPMENT BLANK	7440-28-0	194	Thallium	1	ug/l	U	6020	1	5.5	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-EQUIPMENT BLANK	7440-66-6	213	Zinc	10	ug/l	U	6020	10	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-S-1	SW320	320	PH (field)	7.36	S.U.						19-May-08		
32-01	32-01-S-1	SW325	325	Temperature (field)	7.5	°C						19-May-08		
32-01	32-01-S-1	SW323	323	Specific Conductivity (field)	160	µs/cm						19-May-08		
32-01	32-01-S-1	67-64-1	3	Acetone	50	ug/l	U	8260B	50	100	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-1	107-13-1	8	Acrylonitrile	10	ug/l	U	8260B	10	200	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-1	71-43-2	16	Benzene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-1	74-97-5	28	Bromochloromethane	1	ug/l	U	8260B	1	3	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-1	75-27-4	29	Bromodichloromethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-1	75-25-2	30	Bromoform	1	ug/l	U	8260B	1	3	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-1	74-83-9	136	Bromomethane	5	ug/l	U	8260B	5	10	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-1	75-15-0	35	Carbon disulfide	1	ug/l	U	8260B	1	100	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-1	56-23-5	36	Carbon tetrachloride	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-1	108-90-7	39	Chlorobenzene	1	ug/l	U	8260B	1	3	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-1	124-48-1	66	Chlorodibromomethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-1	75-00-3	41	Chloroethane	5	ug/l	U	8260B	5	10	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-1	67-66-3	44	Chloroform	5	ug/l	U	8260B	5	5	1	19-Nov-08	24-Nov-08	24-Nov-08

Table 7
Solid Waste Section Summary Database
Groundwater Elevation Data, Field Parameters, and Groundwater Quality Summary
City of Durham Closed Municipal Solid Waste Landfill
November 19, 2008
S&ME Project No. 1054-07-469

Facility Permit	Well ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifier	Method	MDL	SWSL	Dilution Factor	Collection Date	Extraction Date	Analysis Date
32-01	32-01-S-1	74-87-3	137	Chloromethane	2.5	ug/l	U	8260B	2.5	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-1	74-95-3	139	Dibromomethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-1	95-50-1	69	1,2-Dichlorobenzene	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-1	106-46-7	71	1,4-Dichlorobenzene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-1	110-57-6	73	trans-1,4-Dichloro-2-butene	2.5	ug/l	U	8260B	2.5	100	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-1	75-34-3	75	1,1-Dichloroethane	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-1	107-06-2	76	1,2-Dichloroethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-1	75-35-4	77	1,1-Dichloroethene	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-1	156-59-2	78	cis-1,2-Dichloroethene	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-1	156-60-5	79	trans-1,2-Dichloroethene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-1	78-87-5	82	1,2-Dichloropropane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-1	10061-01-5	86	cis-1,3-Dichloropropene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-1	10061-02-6	87	trans-1,3-Dichloropropene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-1	100-41-4	110	Ethylbenzene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-1	591-78-6	124	2-Hexanone	10	ug/l	U	8260B	10	50	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-1	74-88-4	142	Iodomethane	10	ug/l	U	8260B	10	10	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-1	78-93-3	141	2-Butanone (MEK)	10	ug/l	U	8260B	10	10	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-1	75-09-2	140	Methylene Chloride	5	ug/l	U	8260B	5	100	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-1	108-10-1	147	4-Methyl-2-pentanone (MIBK)	10	ug/l	U	8260B	10	100	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-1	100-42-5	186	Styrene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-1	630-20-6	190	1,1,1,2-Tetrachloroethane	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-1	79-34-5	191	1,1,2,2-Tetrachloroethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-1	127-18-4	192	Tetrachloroethene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-1	108-88-3	196	Toluene	5	ug/l	U	8260B	5	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-1	71-55-6	200	1,1,1-Trichloroethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-1	79-00-5	202	1,1,2-Trichloroethane	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-1	79-01-6	201	Trichloroethene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-1	75-69-4	203	Trichlorofluoromethane	5	ug/l	U	8260B	5	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-1	96-18-4	206	1,2,3-Trichloropropane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-1	108-05-4	210	Vinyl acetate	10	ug/l	U	8260B	10	50	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-1	75-01-4	211	Vinyl chloride	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-1	1330-20-7	346	Xylenes, Total	3	ug/l	U	8260B	3	4	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-1	106-93-4	68	1,2-Dibromoethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-1	96-12-8	67	1,2-Dibromo-3-Chloropropane	5	ug/l	U	8260B	5	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-1	16984-48-8	312	Fluoride	73	ug/l	J	9056	100	2000	1	19-Nov-08	22-Nov-08	22-Nov-08
32-01	32-01-S-1	7439-97-6	132	Mercury	0.2	ug/l	U	7470A	0.2	0.2	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-S-1	7440-39-3	15	Barium	96	ug/l		6010B	5	100	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-S-1	7440-47-3	51	Chromium	10	ug/l	U	6010B	10	10	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-S-1	7440-48-4	53	Cobalt	1.5	ug/l	J	6010B	10	10	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-S-1	7440-02-0	152	Nickel	20	ug/l	U	6010B	20	50	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-S-1	7440-22-4	184	Silver	10	ug/l	U	6010B	10	10	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-S-1	7440-62-2	209	Vanadium	10	ug/l	U	6010B	10	25	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-S-1	7440-36-0	13	Antimony	0.59	ug/l	J	6020	1	6	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-S-1	7440-38-2	14	Arsenic	1.4	ug/l		6020	1	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-S-1	7440-41-7	23	Beryllium	0.35	ug/l	J	6020	1	1	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-S-1	7440-43-9	34	Cadmium	0.3	ug/l	J	6020	0.5	1	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-S-1	7440-50-8	54	Copper	4.3	ug/l		6020	1	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-S-1	7439-92-1	131	Lead	0.79	ug/l	J	6020	1	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-S-1	7782-49-2	183	Selenium	1	ug/l	U	6020	1	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-S-1	7440-28-0	194	Thallium	1	ug/l	U	6020	1	5.5	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-S-1	7440-66-6	213	Zinc	12	ug/l		6020	10	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-S-2	SW320	320	PH (field)	7.53	S.U.						19-May-08		
32-01	32-01-S-2	SW325	325	Temperature (field)	6.0	°C						19-May-08		
32-01	32-01-S-2	SW323	323	Specific Conductivity (field)	160	us/cm						19-May-08		
32-01	32-01-S-2	67-64-1	3	Acetone	50	ug/l	U	8260B	50	100	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-2	107-13-1	8	Acrylonitrile	10	ug/l	U	8260B	10	200	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-2	71-43-2	18	Benzene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-2	74-97-5	28	Bromochloromethane	1	ug/l	U	8260B	1	3	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-2	75-27-4	29	Bromodichloromethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-2	75-25-2	30	Bromoform	1	ug/l	U	8260B	1	3	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-2	74-83-9	136	Bromomethane	5	ug/l	U	8260B	5	10	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-2	75-15-0	35	Carbon disulfide	1	ug/l	U	8260B	1	100	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-2	56-23-5	36	Carbon tetrachloride	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-2	108-90-7	39	Chlorobenzene	1	ug/l	U	8260B	1	3	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-2	124-48-1	68	Chlorodibromomethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-2	75-00-3	41	Chloroethane	5	ug/l	U	8260B	5	10	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-2	67-66-3	44	Chloroform	5	ug/l	U	8260B	5	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-2	74-87-3	137	Chloromethane	2.5	ug/l	U	8260B	2.5	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-2	74-95-3	139	Dibromomethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-2	95-50-1	69	1,2-Dichlorobenzene	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-2	106-46-7	71	1,4-Dichlorobenzene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-2	110-57-6	73	trans-1,4-Dichloro-2-butene	2.5	ug/l	U	8260B	2.5	100	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-2	75-34-3	75	1,1-Dichloroethane	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-2	107-06-2	76	1,2-Dichloroethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-2	75-35-4	77	1,1-Dichloroethene	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-2	156-59-2	78	cis-1,2-Dichloroethene	0.65	ug/l	J	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-2	156-60-5	79	trans-1,2-Dichloroethene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-2	78-87-5	82	1,2-Dichloropropane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-2	10061-01-5	86	cis-1,3-Dichloropropene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-2	10061-02-6	87	trans-1,3-Dichloropropene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-2	100-41-4	110	Ethylbenzene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-2	591-78-6	124	2-Hexanone	10	ug/l	U	8260B	10	50	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-2	74-88-4	142	Iodomethane	10	ug/l	U	8260B	10	10	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-2	78-93-3	141	2-Butanone (MEK)	10	ug/l	U	8260B	10	10	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-2	75-09-2	140	Methylene Chloride	5	ug/l	U	8260B	5	100	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-2	108-10-1	147	4-Methyl-2-pentanone (MIBK)	10	ug/l	U	8260B	10	100	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-2	100-42-5	186	Styrene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-2	630-20-6	190	1,1,1,2-Tetrachloroethane	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-2	79-34-5	191	1,1,2,2-Tetrachloroethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-2	127-18-4	192	Tetrachloroethene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-2	108-88-3	196	Toluene	5	ug/l	U	8260B	5	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-2	71-55-6	200	1,1,1-Trichloroethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-2	79-00-5	202	1,1,2-Trichloroethane	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-2	79-01-6	201	Trichloroethene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-2	75-69-4	203	Trichlorofluoromethane	5	ug/l	U	8260B	5	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-2	96-18-4	206	1,2,3-Trichloropropane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-2	108-05-4	210	Vinyl acetate	10	ug/l	U	8260B	10	50	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-2	75-01-4	211	Vinyl chloride	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-2	1330-20-7	346	Xylenes, Total	3	ug/l	U	8260B	3	4	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-2	106-93-4	68	1,2-Dibromoethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-2	96-12-8	67	1,2-Dibromo-3-Chloropropane	5	ug/l	U	8260B	5	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-2	16984-48-8	312	Fluoride	84	ug/l	J	9056	100	2000	1	19-Nov-08	22-Nov-08	22-Nov-08
32-01	32-01-S-2	7439-97-6	132	Mercury	0.2	ug/l	U	7470A	0.2	0.2	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-S-2	7440-39-3	15	Barium	64	ug/l		6010B	5	100	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-S-2	7440-47-3	51	Chromium	3	ug/l	J	6010B	10	10	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-S-2	7440-48-4	53	Cobalt	1.4	ug/l	J	6010B	10	10	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-S-2	7440-02-0	152	Nickel	20	ug/l	U	6010B	20	50	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-S-2	7440-22-4	184	Silver	10	ug/l	U	6010B	10	10	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-S-2	7440-62-2	209	Vanadium	2.6	ug/l	J	6010B	10	25	1	19-Nov-08	26-Nov-08	2-Dec-08
32-01	32-01-S-2	7440-36-0	13	Antimony	0.7	ug/l	J	6020	1	6	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-S-2	7440-38-2	14	Arsenic	1.2	ug/l		6020	1	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-S-2	7440-43-9	34	Cadmium	0.33	ug/l	J	6020	0.5	1	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-S-2	7440-50-8	54	Copper	4.7	ug/l		6020	1	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-S-2	7439-92-1	131	Lead	1.7	ug/l		6020	1	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-S-2	7782-49-2	183	Selenium	0.54	ug/l	J	6020	1	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-S-2	7440-28-0	194	Thallium	1	ug/l	U	6020	1	5.5	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-S-2	7440-66-6	213	Zinc	12	ug/l		6020	10	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-S-2	7440-41-7	23	Beryllium	5	ug/l	U	6020	5	1	5	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-S-3	SW320	320	PH (field)	7.18	S.U.						19-May-08		
32-01	32-01-S-3	SW325	325	Temperature (field)	14.6	°C						19-May-08		
32-01	32-01-S-3	SW323	323	Specific Conductivity (field)	380	us/cm						19-May-08		
32-01	32-01-S-3	67-64-1	3	Acetone	50	ug/l	U	8260B	50	100	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-3	107-13-1	8	Acrylonitrile	10	ug/l	U	8260B	10	200	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-3	71-43-2	18	Benzene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-3	74-97-5	28	Bromochloromethane	1	ug/l	U	8260B	1	3	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-3	75-27-4	29	Bromodichloromethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-3	75-25-2	30	Bromoform	1	ug/l	U	8260B	1	3	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-3	74-83-9	136	Bromomethane	5	ug/l	U	8260B	5	10	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-3	75-15-0	35	Carbon disulfide	1	ug/l	U	8260B	1	100	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-3	56-23-5	36	Carbon tetrachloride	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-3	108-90-7	39	Chlorobenzene	1	ug/l	U	8260B	1	3	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-3	124-48-1	68	Chlorodibromomethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-3	75-00-3	41	Chloroethane	5	ug/l	U	8260B	5	10	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-3	67-66-3	44	Chloroform	0.42	ug/l	J	8260B	5	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-3	74-87-3	137	Chloromethane	2.5	ug/l	U	8260B	2.5	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-3	74-95-3	139	Dibromomethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-3	95-50-1	69	1,2-Dichlorobenzene	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-3	106-46-7	71	1,4-Dichlorobenzene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-3	110-57-6	73	trans-1,4-Dichloro-2-butene	2.5	ug/l	U	8260B	2.5	100	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-3	75-34-3	75	1,1-Dichloroethane	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-3	107-06-2	76	1,2-Dichloroethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-3	75-35-4	77	1,1-Dichloroethene	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-3	156-59-2	78	cis-1,2-Dichloroethene	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-3	156-60-5	79	trans-1,2-Dichloroethene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-3	78-87-5	82	1,2-Dichloropropane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-3	10061-01-5	86	cis-1,3-Dichloropropene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-3	10061-02-6	87	trans-1,3-Dichloropropene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-3	100-41-4	110	Ethylbenzene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-3	591-78-6	124	2-Hexanone	10	ug/l	U	8260B	10	50	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-3	74-88-4	142	Iodomethane	10	ug/l	U	8260B	10	10	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-3	78-93-3	141	2-Butanone (MEK)	10	ug/l	U	8260B	10	10	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-3	75-09-2	140	Methylene Chloride	5	ug/l	U	8260B	5	100	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-3	108-10-1	147	4-Methyl-2-pentanone (MIBK)	10	ug/l	U	8260B	10	100	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-3	100-42-5	186	Styrene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-3	630-20-6	190	1,1,1,2-Tetrachloroethane	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-3	79-34-5	191	1,1,2,2-Tetrachloroethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-3	127-18-4	192	Tetrachloroethene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-3	108-88-3	196	Toluene	5	ug/l	U	8260B	5	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-3	71-55-6	200	1,1,1-Trichloroethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-3	79-00-5	202	1,1,2-Trichloroethane	1	ug/l	U	8260B	1	5	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-3	79-01-6	201	Trichloroethene	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-3	75-69-4	203	Trichlorofluoromethane	5	ug/l	U	8260B	5	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-3	96-18-4	206	1,2,3-Trichloropropane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-3	108-05-4	210	Vinyl acetate	10	ug/l	U	8260B	10	50	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-3	75-01-4	211	Vinyl chloride	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-3	1330-20-7	346	Xylenes, Total	3	ug/l	U	8260B	3	4	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-3	106-93-4	68	1,2-Dibromoethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-3	96-12-8	67	1,2-Dibromo-3-Chloropropane	5	ug/l	U	8260B	5	1	1	19-Nov-08	24-Nov-08	24-Nov-08
32-01	32-01-S-3	16984-48-8	312	Fluoride	400	ug/l		9056	100	2000	1	19-Nov-08	22-Nov-08	22-Nov-08
32-01	32-01-S-3	7439-97-6	132	Mercury	0.2	ug/l	U	7470A	0.2	0.2	1	19-Nov-08	23-Nov-08	25-Nov-08
32-01	32-01-S-3	7440-36-0	13	Antimony	0.76	ug/l	J	6020	1	6	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-S-3	7440-38-2	14	Arsenic	1	ug/l		6020	1	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-S-3	7440-43-9	34	Cadmium	0.3	ug/l	J	6020	0.5	1	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-S-3	7440-50-8	54	Copper	3.3	ug/l		6020	1	10	1	19-Nov-08	26-Nov-08	3-Dec-08

Table 7
Solid Waste Section Summary Database
Groundwater Elevation Data, Field Parameters, and Groundwater Quality Summary
City of Durham Closed Municipal Solid Waste Landfill
November 19, 2008
S&ME Project No. 1054-07-469

Facility Permit	Well ID	CAS Number	SWS ID	Parameter	Result	Units	Qualifier	Method	MDL	SWSL	Dilution Factor	Collection Date	Extraction Date	Analysis Date
32-01	32-01-S-3	7439-92-1	131	Lead	0.45	ug/l	J	6020	1	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-S-3	7782-49-2	183	Selenium	0.19	ug/l	J	6020	1	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-S-3	7440-28-0	194	Thallium	1	ug/l	U	6020	1	5.5	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-S-3	7440-66-6	213	Zinc	26	ug/l		6020	10	10	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-S-3	7440-41-7	23	Beryllium	5	ug/l	U	6020	5	1	1	19-Nov-08	26-Nov-08	3-Dec-08
32-01	32-01-S-3	7440-39-3	15	Barium	11	ug/l		6010B	5	100	1	19-Nov-08	26-Nov-08	4-Dec-08
32-01	32-01-S-3	7440-47-3	51	Chromium	10	ug/l	U	6010B	10	10	1	19-Nov-08	26-Nov-08	4-Dec-08
32-01	32-01-S-3	7440-48-4	53	Cobalt	10	ug/l	U	6010B	10	10	1	19-Nov-08	26-Nov-08	4-Dec-08
32-01	32-01-S-3	7440-02-0	152	Nickel	29	ug/l	U	6010B	20	50	1	19-Nov-08	26-Nov-08	4-Dec-08
32-01	32-01-S-3	7440-22-4	184	Silver	10	ug/l	U	6010B	10	10	1	19-Nov-08	26-Nov-08	4-Dec-08
32-01	32-01-S-3	7440-62-2	209	Vanadium	10	ug/l	U	6010B	10	25	1	19-Nov-08	26-Nov-08	4-Dec-08
32-01	32-01-S-4	SW120	120	PH (field)	7.51	S.U.						19-May-08		
32-01	32-01-S-4	SW125	125	Temperature (field)	14.7	°C						19-May-08		
32-01	32-01-S-4	SW123	123	Specific Conductivity (field)	370	us/cm						19-May-08		
32-01	32-01-S-4	67-64-1	3	Acetone	50	ug/l	U	8260B	50	100	1	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-S-4	107-13-1	8	Acrylonitrile	10	ug/l	U	8260B	10	200	1	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-S-4	71-43-2	16	Benzene	1	ug/l	U	8260B	1	1	1	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-S-4	74-97-5	28	Bromochloromethane	1	ug/l	U	8260B	1	3	1	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-S-4	75-27-4	29	Bromodichloromethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-S-4	75-25-2	30	Bromoform	1	ug/l	U	8260B	1	3	1	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-S-4	74-83-9	136	Bromomethane	5	ug/l	U	8260B	5	10	1	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-S-4	75-15-0	35	Carbon disulfide	1	ug/l	U	8260B	1	100	1	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-S-4	56-23-5	36	Carbon tetrachloride	1	ug/l	U	8260B	1	1	1	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-S-4	108-90-7	39	Chlorobenzene	1	ug/l	U	8260B	1	3	1	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-S-4	124-48-1	66	Chlorodibromomethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-S-4	75-00-3	41	Chloroethane	5	ug/l	U	8260B	5	10	1	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-S-4	67-66-3	44	Chloroform	0.19	ug/l	J	8260B	5	5	1	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-S-4	74-87-3	137	Chloromethane	2.5	ug/l	U	8260B	2.5	1	1	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-S-4	74-95-3	139	Dibromomethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-S-4	95-50-1	69	1,2-Dichlorobenzene	1	ug/l	U	8260B	1	5	1	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-S-4	106-46-7	71	1,4-Dichlorobenzene	1	ug/l	U	8260B	1	1	1	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-S-4	110-57-6	73	trans-1,4-Dichloro-2-butene	2.5	ug/l	U	8260B	2.5	100	1	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-S-4	75-34-3	75	1,1-Dichloroethane	1	ug/l	U	8260B	1	5	1	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-S-4	107-06-2	76	1,2-Dichloroethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-S-4	75-35-4	77	1,1-Dichloroethene	1	ug/l	U	8260B	1	5	1	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-S-4	156-59-2	78	cis-1,2-Dichloroethene	1	ug/l	U	8260B	1	5	1	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-S-4	156-60-5	79	trans-1,2-Dichloroethene	1	ug/l	U	8260B	1	1	1	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-S-4	78-87-5	82	1,2-Dichloropropane	1	ug/l	U	8260B	1	1	1	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-S-4	10061-01-5	86	cis-1,3-Dichloropropene	1	ug/l	U	8260B	1	1	1	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-S-4	10061-02-6	87	trans-1,3-Dichloropropene	1	ug/l	U	8260B	1	1	1	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-S-4	100-41-4	110	Ethylbenzene	1	ug/l	U	8260B	10	50	1	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-S-4	591-78-6	124	2-Hexanone	10	ug/l	U	8260B	10	10	1	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-S-4	74-88-4	142	Iodomethane	10	ug/l	U	8260B	10	10	1	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-S-4	78-93-3	141	2-Butanone (MEK)	10	ug/l	U	8260B	5	100	1	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-S-4	75-09-2	140	Methylene Chloride	5	ug/l	U	8260B	10	100	1	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-S-4	108-10-1	147	4-Methyl-2-pentanone (MIBK)	10	ug/l	U	8260B	1	1	1	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-S-4	100-42-5	186	Styrene	1	ug/l	U	8260B	1	5	1	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-S-4	630-20-6	190	1,1,1,2-Tetrachloroethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-S-4	79-34-5	191	1,1,2,2-Tetrachloroethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-S-4	127-18-4	192	Tetrachloroethene	1	ug/l	U	8260B	5	1	1	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-S-4	108-88-3	196	Toluene	5	ug/l	U	8260B	1	1	1	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-S-4	71-55-6	200	1,1,1-Trichloroethane	1	ug/l	U	8260B	1	5	1	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-S-4	79-00-5	202	1,1,2-Trichloroethane	1	ug/l	U	8260B	1	1	1	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-S-4	79-01-6	201	Trichloroethene	1	ug/l	U	8260B	5	1	1	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-S-4	75-69-4	203	Trichlorofluoromethane	5	ug/l	U	8260B	1	1	1	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-S-4	96-18-4	208	1,2,3-Trichloropropane	1	ug/l	U	8260B	10	50	1	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-S-4	108-05-4	210	Vinyl acetate	10	ug/l	U	8260B	1	1	1	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-S-4	75-01-4	211	Vinyl chloride	1	ug/l	U	8260B	1	4	1	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-S-4	1330-20-7	346	Xylenes, Total	3	ug/l	U	8260B	50	200	1	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-S-4	75-05-8	4	Acetonitrile	50	ug/l	U	8260B	5	10	1	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-S-4	107-05-1	10	Allyl chloride	5	ug/l	U	8260B	50	20	1	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-S-4	126-99-8	50	Chloroprene	50	ug/l	U	8260B	2.5	100	1	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-S-4	110-57-6	73	trans-1,4-Dichloro-2-butene	2.5	ug/l	U	8260B	5	10	1	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-S-4	97-63-2	112	Ethyl methacrylate	5	ug/l	U	8260B	100	100	1	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-S-4	78-83-1	126	Isobutanol	100	ug/l	U	8260B	50	100	1	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-S-4	126-98-7	133	Methacrylonitrile	50	ug/l	U	8260B	50	30	1	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-S-4	80-62-6	143	Methyl methacrylate	50	ug/l	U	8260B	50	150	1	19-Nov-08	25-Nov-08	25-Nov-08
32-01	32-01-S-4	107-13-0	180	Propionitrile	50	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	7439-92-1	131	Lead	0.19	ug/l	J	6020						
32-01	32-01-TRIP BLANK	7782-49-2	183	Selenium	0.19	ug/l	J	6020						
32-01	32-01-TRIP BLANK	7440-28-0	194	Thallium	1	ug/l	U	6020						
32-01	32-01-TRIP BLANK	7440-66-6	213	Zinc	26	ug/l		6020						
32-01	32-01-TRIP BLANK	7440-41-7	23	Beryllium	5	ug/l	U	6020						
32-01	32-01-TRIP BLANK	7440-39-3	15	Barium	11	ug/l		6010B						
32-01	32-01-TRIP BLANK	7440-47-3	51	Chromium	10	ug/l	U	6010B						
32-01	32-01-TRIP BLANK	7440-48-4	53	Cobalt	10	ug/l	U	6010B						
32-01	32-01-TRIP BLANK	7440-02-0	152	Nickel	29	ug/l	U	6010B						
32-01	32-01-TRIP BLANK	7440-22-4	184	Silver	10	ug/l	U	6010B						
32-01	32-01-TRIP BLANK	7440-62-2	209	Vanadium	10	ug/l	U	6010B						
32-01	32-01-TRIP BLANK	67-64-1	3	Acetone	50	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	107-02-8	7	Acrolein	50	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	107-13-1	8	Acrylonitrile	10	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	71-43-2	16	Benzene	1	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	75-27-4	29	Bromodichloromethane	1	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	74-97-5	28	Bromochloromethane	1	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	75-25-2	30	Bromoform	1	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	74-83-9	136	Bromomethane	5	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	75-15-0	35	Carbon disulfide	1	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	56-23-5	36	Carbon tetrachloride	1	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	108-90-7	39	Chlorobenzene	1	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	124-48-1	66	Chlorodibromomethane	1	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	75-00-3	41	Chloroethane	5	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	67-66-3	44	Chloroform	5	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	74-87-3	137	Chloromethane	2.5	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	106-93-4	68	1,2-Dibromoethane	1	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	96-12-8	87	1,2-Dibromo-3-Chloropropane	5	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	74-95-3	138	Dibromomethane	1	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	95-50-1	69	1,2-Dichlorobenzene	1	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	541-73-1	70	1,3-Dichlorobenzene	1	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	106-46-7	71	1,4-Dichlorobenzene	1	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	75-71-8	74	Dichlorodifluoromethane	5	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	75-34-3	75	1,1-Dichloroethane	1	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	107-06-2	76	1,2-Dichloroethane	1	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	75-35-4	77	1,1-Dichloroethene	1	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	156-59-2	78	cis-1,2-Dichloroethene	1	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	156-60-5	79	trans-1,2-Dichloroethene	1	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	78-87-5	82	1,2-Dichloropropane	1	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	142-28-9	83	1,3-Dichloropropane	1	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	594-20-7	84	2,2-Dichloropropane	1	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	10061-01-5	86	cis-1,3-Dichloropropene	1	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	10061-02-6	87	trans-1,3-Dichloropropene	1	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	563-58-6	85	1,1-Dichloropropene	1	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	100-41-4	110	Ethylbenzene	1	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	591-78-6	124	2-Hexanone	10	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	74-88-4	142	Iodomethane	10	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	78-93-3	141	2-Butanone (MEK)	10	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	75-09-2	140	Methylene Chloride	5	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	108-10-1	147	4-Methyl-2-pentanone (MIBK)	10	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	100-42-5	186	Styrene	1	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	630-20-6	190	1,1,1,2-Tetrachloroethane	1	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	79-34-5	191	1,1,2,2-Tetrachloroethane	1	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	127-18-4	192	Tetrachloroethene	1	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	108-88-3	196	Toluene	0.44	ug/l	J	8260B						
32-01	32-01-TRIP BLANK	120-82-1	199	1,2,4-Trichlorobenzene	1	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	71-55-6	200	1,1,1-Trichloroethane	1	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	79-00-5	202	1,1,2-Trichloroethane	1	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	79-01-6	201	Trichloroethene	1	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	75-69-4	203	Trichlorofluoromethane	5	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	96-18-4	208	1,2,3-Trichloropropane	1	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	108-05-4	210	Vinyl acetate	10	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	75-01-4	211	Vinyl chloride	1	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	1330-20-7	346	Xylenes, Total	3	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	75-05-8	4	Acetonitrile	50	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	107-05-1	10	Allyl chloride	5	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	126-99-8	50	Chloroprene	50	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	110-57-6	73	trans-1,4-Dichloro-2-butene	2.5	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	97-63-2	112	Ethyl methacrylate	5	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	78-83-1	126	Isobutanol	100	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	126-98-7	133	Methacrylonitrile	50	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	80-62-6	143	Methyl methacrylate	50	ug/l	U	8260B						
32-01	32-01-TRIP BLANK	107-13-0	180	Propionitrile	50	ug/l	U	8260B						

APPENDIX I

GROUNDWATER SAMPLING LOGS

GROUNDWATER SAMPLE COLLECTION SHEET

Project Name: City of Durham Closed (MSWLF) **Date:** 11-19-2008
Job Number: 1054-07-469 **Sampler:** JP/BB/JV

WELL I.D.	MW-9R	MW-2	MW-3R	MW-4R	MW-5
Casing Diameter (in.)	2	2	2	2	2
Total Well depth (ft.)	22.55	19.62	17.65	17.39	21.77
Water Depth	14.49	6.18	3.64	2.33	8.51
PURGE DATA					
Water Column (Total depth – Water depth)	8.06	13.44	14.01	15.06	13.26
Well Volume	1.28	2.15	2.24	2.41	2.12
Volume to Purge (3 to 5 well volumes)	3.86	6.45	6.72	7.23	6.36
Volume Purged (note if well bailed dry)	5.0	7.0	7.0	7.5	7.0
Date Purged	11/19/08	11/19/08	11/19/08	11/19/08	11/19/08
FIELD ANALYSIS DATA					
pH	4.85	6.13	6.62	7.08	7.20
Conductivity (µS/cm)	0.045	0.132	1.57	0.74	0.842
Temperature (C) (1 Volume)	17.89	15.76	15.55	15.94	16.96
Turbidity (NTU)	204	58.0	350	38.9	86.3
Dissolved Oxygen (mg/L)	4.99	6.24	3.11	8.34	1.64
pH	4.81	5.95	6.45	7.06	7.21
Conductivity (µS/cm)	0.054	0.117	1.57	0.714	0.840
Temperature (C) (2 Volumes)	18.31	15.25	15.78	15.80	17.21
Turbidity (NTU)	29.5	53.1	54.0	7.8	20.9
Dissolved Oxygen (mg/L)	5.35	7.03	4.44	8.12	1.09
pH	4.82	5.74	6.40	7.05	7.18
Conductivity (µS/cm)	0.053	0.104	1.584	0.711	0.846
Temperature (C) (3 Volumes)	18.49	14.86	15.84	15.45	17.22
Turbidity (NTU)	11.3	11.4	56.3	3.9	7.4
Dissolved Oxygen (mg/L)	4.89	9.21	3.84	7.62	0.89
GROUNDWATER SAMPLE DATA					
Date Sampled	11/19/08	11/19/08	11/19/08	11/19/08	11/19/08
Time Sampled	1110	1521	1625	1800	1440
Equipment Blank	-	-	-	-	-
Parameters	Appendix II	Appendix I	Appendix I	Appendix I	Appendix I
Note: Volumes Per foot of Water Column For: 2" Well = 0.16 gal./ft. 4" Well = 0.66 gal./ft. 6" Well = 1.50 gal./ft.	0.16	0.16	0.16	0.16	0.16

Remarks: All wells sampled with dedicated bladder pumps and YSI Flow Thru Cell.

GROUNDWATER SAMPLE COLLECTION SHEET

Project Name: City of Durham Closed (MSWLF) **Date:** 11-19-2008
Job Number: 1054-07-469 **Sampler:** JP/BB/JV

WELL I.D.	MW-7R	MW-8	MW-10	PZ-2R*	PZ-3*	PZ-4R*
Casing Diameter (in.)	2	2	2	2	2	2
Total Well depth (ft.)	44.1	16.52	16.50	34.59	42.40	38.38
Water Depth	15.95	8.52	6.68	26.92	31.72	22.35
PURGE DATA						
Water Column (Total depth – Water depth)	28.15	8.0	9.82	-	-	-
Well Volume	4.50	1.28	1.57	-	-	-
Volume to Purge (3 to 5 well volumes)	13.51	3.84	4.71	-	-	-
Volume Purged (note if well bailed dry)	14.0	4.0	5.0	-	-	-
Date Purged	11/19/2008	11/19/2008	11/19/2008	-	-	-
FIELD ANALYSIS DATA						
pH	7.60	6.17	6.31	-	-	-
Conductivity (µS/cm)	0.435	0.215	0.952	-	-	-
Temperature (C) (1 Volume)	14.18	15.93	15.75	-	-	-
Turbidity (NTU)	590	73.2	184.2	-	-	-
Dissolved Oxygen (mg/L)	6.03	1.02	3.24	-	-	-
pH	7.86	6.18	5.83	-	-	-
Conductivity (µS/cm)	0.425	0.225	0.520	-	-	-
Temperature (C) (2 Volumes)	14.82	15.99	15.81	-	-	-
Turbidity (NTU)	34.0	24.8	72.9	-	-	-
Dissolved Oxygen (mg/L)	2.77	0.68	1.73	-	-	-
pH	7.87	6.19	5.87	-	-	-
Conductivity (µS/cm)	0.423	0.231	0.654	-	-	-
Temperature (C) (3 Volumes)	14.84	16.01	15.99	-	-	-
Turbidity (NTU)	10.9	14.7	124.2	-	-	-
Dissolved Oxygen (mg/L)	3.48	0.82	3.36	-	-	-
GROUNDWATER SAMPLE DATA						
Date Sampled	11/19/2008	11/19/2008	11/19/2008	-	-	-
Time Sampled	1350	1220	1715	-	-	-
Equipment Blank	-	-	-	-	-	-
Parameters	Appendix II	Appendix I	Appendix I	-	-	-
Note: Volumes Per foot of Water Column For: 2" Well = 0.16 gal./ft. 4" Well = 0.66 gal./ft. 6" Well = 1.50 gal./ft.	0.16	0.16	0.16	-	-	-

* = Fourth volume sample data

Remarks: All wells sampled with dedicated bladder pumps and YSI Flow Thru Cell.
* = Monitoring well gauged for water level only, groundwater samples not collected.

GROUNDWATER SAMPLE COLLECTION SHEET

Project Name: City of Durham Closed (MSWLF) **Date:** 11-19-2008
Job Number: 1054-07-469 **Sampler:** JP/BB/JV

WELL I.D.	PZ-6*	MW-3*	MW-6R*			
Casing Diameter (in.)	2	2	2			
Total Well depth (ft.)	61.25	25.33	26.72			
Water Depth	43.39	3.00	11.97			
PURGE DATA						
Water Column (Total depth – Water depth)	17.86	22.33	14.75			
Well Volume	2.86	3.57	2.36			
Volume to Purge (3 to 5 well volumes)	8.57	10.72	7.08			
Volume Purged (note if well bailed dry)	-	-	-			
Date Purged	-	-	-			
FIELD ANALYSIS DATA						
pH	-	-	-			
Conductivity (µS/cm)	-	-	-			
Temperature (C) (1 Volume)	-	-	-			
Turbidity (NTU)	-	-	-			
Dissolved Oxygen (mg/L)	-	-	-			
pH	-	-	-			
Conductivity (µS/cm)	-	-	-			
Temperature (C) (2 Volumes)	-	-	-			
Turbidity (NTU)	-	-	-			
Dissolved Oxygen (mg/L)	-	-	-			
pH	-	-	-			
Conductivity (µS/cm)	-	-	-			
Temperature (C) (3 Volumes)	-	-	-			
Turbidity (NTU)	-	-	-			
Dissolved Oxygen (mg/L)	-	-	-			
GROUNDWATER SAMPLE DATA						
Date Sampled	-	-	-			
Time Sampled	-	-	-			
Equipment Blank	-	-	-			
Parameters	-	-	-			
	-	-	-			
Note: Volumes Per foot of Water Column For: 2" Well = 0.16 gal./ft. 4" Well = 0.66 gal./ft. 6" Well = 1.50 gal./ft.	-	-	-			

* = Fourth volume sample data

Remarks: All wells sampled with dedicated bladder pumps and YSI Flow Thru Cell.
* = Monitoring well gauged for water level only, groundwater samples not collected.

APPENDIX II

NOVEMBER 2008

CERTIFICATES-OF-ANALYSIS, CHAIN-OF-CUSTODY FORMS AND LABORATORY DATA

ENVIRONMENTAL
SCIENCE CORP.

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

Tax I.D. 62-0814289

Est. 1970

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

Raleigh, NC 27616

Report Summary

Thursday December 04, 2008

Report Number: L376126
Samples Received: 11/21/08
Client Project: 1054-07-469

Description: City of Durham Landfill-MSWLF

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

Entire Report Reviewed By:

Tom Mellette, ESC Representative

Laboratory Certification Numbers

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

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

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Est. 1970

REPORT OF ANALYSIS

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

December 04, 2008

ESC Sample # : L376126-01

Date Received : November 21, 2008
Description : City of Durham Landfill-MSWLF

Site ID :

Sample ID : MW-2

Project # : 1054-07-469

Collected By : J Paul
Collection Date : 11/19/08 15:21

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Antimony	0.59	0.29	1.0	ug/l	6020	12/03/08	1	6
Arsenic	0.59	0.22	1.0	ug/l	6020	12/03/08	1	10
Beryllium	0.43	0.28	1.0	ug/l	6020	12/03/08	1	1
Cadmium	0.49	0.15	0.50	ug/l	6020	12/03/08	1	1
Copper	1.4	0.48	1.0	ug/l	6020	12/03/08	1	10
Lead	0.50	0.13	1.0	ug/l	6020	12/03/08	1	
Selenium	U	0.32	1.0	ug/l	6020	12/03/08	1	10
Thallium	U	0.22	1.0	ug/l	6020	12/03/08	1	5.5
Zinc	14.	3.3	10.	ug/l	6020	12/03/08	1	10
Mercury	U	0.044	0.20	ug/l	7470A	11/25/08	1	.2
Barium	82.	1.1	5.0	ug/l	6010B	12/02/08	1	100
Chromium	U	2.0	10.	ug/l	6010B	12/02/08	1	10
Cobalt	U	1.1	10.	ug/l	6010B	12/02/08	1	10
Nickel	U	9.8	20.	ug/l	6010B	12/02/08	1	50
Silver	U	3.2	10.	ug/l	6010B	12/02/08	1	10
Vanadium	U	1.9	10.	ug/l	6010B	12/02/08	1	25
Volatile Organics								
Acetone	U	8.9	50.	ug/l	8260B	11/24/08	1	100
Acrylonitrile	U	1.7	10.	ug/l	8260B	11/24/08	1	200
Benzene	U	0.29	1.0	ug/l	8260B	11/24/08	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	11/24/08	1	3
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	11/24/08	1	1
Bromoform	U	0.51	1.0	ug/l	8260B	11/24/08	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	11/24/08	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	11/24/08	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	11/24/08	1	1
Chlorobenzene	U	0.26	1.0	ug/l	8260B	11/24/08	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	11/24/08	1	1
Chloroethane	U	0.86	5.0	ug/l	8260B	11/24/08	1	10
Chloroform	U	0.33	5.0	ug/l	8260B	11/24/08	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	11/24/08	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	11/24/08	1	1
1,2-Dichlorobenzene	U	0.29	1.0	ug/l	8260B	11/24/08	1	5
1,4-Dichlorobenzene	U	0.30	1.0	ug/l	8260B	11/24/08	1	1
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	11/24/08	1	100
1,1-Dichloroethane	U	0.31	1.0	ug/l	8260B	11/24/08	1	5
1,2-Dichloroethane	U	0.27	1.0	ug/l	8260B	11/24/08	1	1
1,1-Dichloroethene	U	0.50	1.0	ug/l	8260B	11/24/08	1	5
cis-1,2-Dichloroethene	0.84	0.38	1.0	ug/l	8260B	11/24/08	1	5

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

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REPORT OF ANALYSIS

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

December 04, 2008

ESC Sample # : L376126-01

Date Received : November 21, 2008
Description : City of Durham Landfill-MSWLF

Site ID :

Sample ID : MW-2

Project # : 1054-07-469

Collected By : J Paul
Collection Date : 11/19/08 15:21

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l	8260B	11/24/08	1	5
1,2-Dichloropropane	U	0.52	1.0	ug/l	8260B	11/24/08	1	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	11/24/08	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	11/24/08	1	1
Ethylbenzene	U	0.22	1.0	ug/l	8260B	11/24/08	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	11/24/08	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	11/24/08	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	11/24/08	1	10
Methylene Chloride	U	0.30	5.0	ug/l	8260B	11/24/08	1	1
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	11/24/08	1	100
Styrene	U	0.38	1.0	ug/l	8260B	11/24/08	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	11/24/08	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	11/24/08	1	1
Tetrachloroethene	U	0.29	1.0	ug/l	8260B	11/24/08	1	1
Toluene	U	0.27	5.0	ug/l	8260B	11/24/08	1	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	11/24/08	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	11/24/08	1	5
Trichloroethene	U	0.37	1.0	ug/l	8260B	11/24/08	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	11/24/08	1	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	11/24/08	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	11/24/08	1	50
Vinyl chloride	U	0.27	1.0	ug/l	8260B	11/24/08	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	11/24/08	1	4
1,2-Dibromoethane	U	0.48	1.0	ug/l	8260B	11/24/08	1	1
1,2-Dibromo-3-Chloropropane	U	0.48	5.0	ug/l	8260B	11/24/08	1	1
Surrogate Recovery								
Toluene-d8	102.			% Rec.	8260B	11/24/08	1	
Dibromofluoromethane	105.			% Rec.	8260B	11/24/08	1	
4-Bromofluorobenzene	102.			% Rec.	8260B	11/24/08	1	

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

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

December 04, 2008

ESC Sample # : L376126-02

Date Received : November 21, 2008
Description : City of Durham Landfill-MSWLF

Site ID :

Sample ID : MW-3R

Project # : 1054-07-469

Collected By : J Paul
Collection Date : 11/19/08 16:25

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Antimony	0.68	0.29	1.0	ug/l	6020	12/03/08	1	6
Arsenic	5.9	0.22	1.0	ug/l	6020	12/03/08	1	10
Beryllium	U	1.4	5.0	ug/l	6020	12/03/08	5	1
Cadmium	0.34	0.15	0.50	ug/l	6020	12/03/08	1	1
Copper	3.4	0.48	1.0	ug/l	6020	12/03/08	1	10
Lead	1.3	0.13	1.0	ug/l	6020	12/03/08	1	
Selenium	1.5	0.32	1.0	ug/l	6020	12/03/08	1	10
Thallium	U	0.22	1.0	ug/l	6020	12/03/08	1	5.5
Zinc	23.	3.3	10.	ug/l	6020	12/03/08	1	10
Mercury	0.11	0.044	0.20	ug/l	7470A	11/25/08	1	.2
Barium	380	1.1	5.0	ug/l	6010B	12/02/08	1	100
Chromium	3.0	2.0	10.	ug/l	6010B	12/02/08	1	10
Cobalt	4.7	1.1	10.	ug/l	6010B	12/02/08	1	10
Nickel	11.	9.8	20.	ug/l	6010B	12/02/08	1	50
Silver	U	3.2	10.	ug/l	6010B	12/02/08	1	10
Vanadium	2.3	1.9	10.	ug/l	6010B	12/02/08	1	25
Volatile Organics								
Acetone	U	8.9	50.	ug/l	8260B	11/24/08	1	100
Acrylonitrile	U	1.7	10.	ug/l	8260B	11/24/08	1	200
Benzene	U	0.29	1.0	ug/l	8260B	11/24/08	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	11/24/08	1	3
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	11/24/08	1	1
Bromoform	U	0.51	1.0	ug/l	8260B	11/24/08	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	11/24/08	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	11/24/08	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	11/24/08	1	1
Chlorobenzene	U	0.26	1.0	ug/l	8260B	11/24/08	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	11/24/08	1	1
Chloroethane	U	0.86	5.0	ug/l	8260B	11/24/08	1	10
Chloroform	U	0.33	5.0	ug/l	8260B	11/24/08	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	11/24/08	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	11/24/08	1	1
1,2-Dichlorobenzene	U	0.29	1.0	ug/l	8260B	11/24/08	1	5
1,4-Dichlorobenzene	U	0.30	1.0	ug/l	8260B	11/24/08	1	1
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	11/24/08	1	100
1,1-Dichloroethane	U	0.31	1.0	ug/l	8260B	11/24/08	1	5
1,2-Dichloroethane	U	0.27	1.0	ug/l	8260B	11/24/08	1	1
1,1-Dichloroethene	U	0.50	1.0	ug/l	8260B	11/24/08	1	5
cis-1,2-Dichloroethene	U	0.38	1.0	ug/l	8260B	11/24/08	1	5

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

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

December 04, 2008

ESC Sample # : L376126-02

Date Received : November 21, 2008
Description : City of Durham Landfill-MSWLF

Site ID :

Sample ID : MW-3R

Project # : 1054-07-469

Collected By : J Paul
Collection Date : 11/19/08 16:25

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l	8260B	11/24/08	1	5
1,2-Dichloropropane	U	0.52	1.0	ug/l	8260B	11/24/08	1	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	11/24/08	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	11/24/08	1	1
Ethylbenzene	U	0.22	1.0	ug/l	8260B	11/24/08	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	11/24/08	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	11/24/08	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	11/24/08	1	10
Methylene Chloride	U	0.30	5.0	ug/l	8260B	11/24/08	1	1
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	11/24/08	1	100
Styrene	U	0.38	1.0	ug/l	8260B	11/24/08	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	11/24/08	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	11/24/08	1	1
Tetrachloroethene	U	0.29	1.0	ug/l	8260B	11/24/08	1	1
Toluene	U	0.27	5.0	ug/l	8260B	11/24/08	1	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	11/24/08	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	11/24/08	1	5
Trichloroethene	U	0.37	1.0	ug/l	8260B	11/24/08	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	11/24/08	1	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	11/24/08	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	11/24/08	1	50
Vinyl chloride	U	0.27	1.0	ug/l	8260B	11/24/08	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	11/24/08	1	4
1,2-Dibromoethane	U	0.48	1.0	ug/l	8260B	11/24/08	1	1
1,2-Dibromo-3-Chloropropane	U	0.48	5.0	ug/l	8260B	11/24/08	1	1
Surrogate Recovery								
Toluene-d8	99.9			% Rec.	8260B	11/24/08	1	
Dibromofluoromethane	102.			% Rec.	8260B	11/24/08	1	
4-Bromofluorobenzene	99.9			% Rec.	8260B	11/24/08	1	

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

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

December 04, 2008

ESC Sample # : L376126-03

Date Received : November 21, 2008
Description : City of Durham Landfill-MSWLF

Site ID :

Sample ID : MW-4R

Project # : 1054-07-469

Collected By : J Paul
Collection Date : 11/19/08 18:00

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Antimony	0.65	0.29	1.0	ug/l	6020	12/03/08	1	6
Arsenic	1.2	0.22	1.0	ug/l	6020	12/03/08	1	10
Beryllium	U	1.4	5.0	ug/l	6020	12/03/08	5	1
Cadmium	0.40	0.15	0.50	ug/l	6020	12/03/08	1	1
Copper	1.5	0.48	1.0	ug/l	6020	12/03/08	1	10
Lead	0.19	0.13	1.0	ug/l	6020	12/03/08	1	
Selenium	0.42	0.32	1.0	ug/l	6020	12/03/08	1	10
Thallium	U	0.22	1.0	ug/l	6020	12/03/08	1	5.5
Zinc	22.	3.3	10.	ug/l	6020	12/03/08	1	10
Mercury	U	0.044	0.20	ug/l	7470A	11/25/08	1	.2
Barium	510	1.1	5.0	ug/l	6010B	12/02/08	1	100
Chromium	2.5	2.0	10.	ug/l	6010B	12/02/08	1	10
Cobalt	U	1.1	10.	ug/l	6010B	12/02/08	1	10
Nickel	U	9.8	20.	ug/l	6010B	12/02/08	1	50
Silver	U	3.2	10.	ug/l	6010B	12/02/08	1	10
Vanadium	U	1.9	10.	ug/l	6010B	12/02/08	1	25
Volatile Organics								
Acetone	U	8.9	50.	ug/l	8260B	11/24/08	1	100
Acrylonitrile	U	1.7	10.	ug/l	8260B	11/24/08	1	200
Benzene	U	0.29	1.0	ug/l	8260B	11/24/08	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	11/24/08	1	3
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	11/24/08	1	1
Bromoform	U	0.51	1.0	ug/l	8260B	11/24/08	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	11/24/08	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	11/24/08	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	11/24/08	1	1
Chlorobenzene	U	0.26	1.0	ug/l	8260B	11/24/08	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	11/24/08	1	1
Chloroethane	U	0.86	5.0	ug/l	8260B	11/24/08	1	10
Chloroform	U	0.33	5.0	ug/l	8260B	11/24/08	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	11/24/08	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	11/24/08	1	1
1,2-Dichlorobenzene	U	0.29	1.0	ug/l	8260B	11/24/08	1	5
1,4-Dichlorobenzene	U	0.30	1.0	ug/l	8260B	11/24/08	1	1
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	11/24/08	1	100
1,1-Dichloroethane	U	0.31	1.0	ug/l	8260B	11/24/08	1	5
1,2-Dichloroethane	U	0.27	1.0	ug/l	8260B	11/24/08	1	1
1,1-Dichloroethene	U	0.50	1.0	ug/l	8260B	11/24/08	1	5
cis-1,2-Dichloroethene	U	0.38	1.0	ug/l	8260B	11/24/08	1	5

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

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

December 04, 2008

ESC Sample # : L376126-03

Date Received : November 21, 2008
Description : City of Durham Landfill-MSWLF

Site ID :

Sample ID : MW-4R

Project # : 1054-07-469

Collected By : J Paul
Collection Date : 11/19/08 18:00

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l	8260B	11/24/08	1	5
1,2-Dichloropropane	U	0.52	1.0	ug/l	8260B	11/24/08	1	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	11/24/08	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	11/24/08	1	1
Ethylbenzene	U	0.22	1.0	ug/l	8260B	11/24/08	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	11/24/08	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	11/24/08	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	11/24/08	1	10
Methylene Chloride	U	0.30	5.0	ug/l	8260B	11/24/08	1	1
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	11/24/08	1	100
Styrene	U	0.38	1.0	ug/l	8260B	11/24/08	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	11/24/08	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	11/24/08	1	1
Tetrachloroethene	U	0.29	1.0	ug/l	8260B	11/24/08	1	1
Toluene	U	0.27	5.0	ug/l	8260B	11/24/08	1	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	11/24/08	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	11/24/08	1	5
Trichloroethene	U	0.37	1.0	ug/l	8260B	11/24/08	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	11/24/08	1	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	11/24/08	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	11/24/08	1	50
Vinyl chloride	U	0.27	1.0	ug/l	8260B	11/24/08	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	11/24/08	1	4
1,2-Dibromoethane	U	0.48	1.0	ug/l	8260B	11/24/08	1	1
1,2-Dibromo-3-Chloropropane	U	0.48	5.0	ug/l	8260B	11/24/08	1	1
Surrogate Recovery								
Toluene-d8	101.			% Rec.	8260B	11/24/08	1	
Dibromofluoromethane	98.8			% Rec.	8260B	11/24/08	1	
4-Bromofluorobenzene	94.3			% Rec.	8260B	11/24/08	1	

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

Est. 1970

REPORT OF ANALYSIS

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

December 04, 2008

ESC Sample # : L376126-04

Date Received : November 21, 2008
Description : City of Durham Landfill-MSWLF

Site ID :

Sample ID : MW-5

Project # : 1054-07-469

Collected By : J Paul
Collection Date : 11/19/08 14:40

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Antimony	0.53	0.29	1.0	ug/l	6020	12/03/08	1	6
Arsenic	4.4	0.22	1.0	ug/l	6020	12/03/08	1	10
Beryllium	0.34	0.28	1.0	ug/l	6020	12/03/08	1	1
Cadmium	0.28	0.15	0.50	ug/l	6020	12/03/08	1	1
Copper	1.3	0.48	1.0	ug/l	6020	12/03/08	1	10
Lead	0.29	0.13	1.0	ug/l	6020	12/03/08	1	
Selenium	0.64	0.32	1.0	ug/l	6020	12/03/08	1	10
Thallium	U	0.22	1.0	ug/l	6020	12/03/08	1	5.5
Zinc	58.	3.3	10.	ug/l	6020	12/03/08	1	10
Mercury	U	0.044	0.20	ug/l	7470A	11/25/08	1	.2
Barium	1400	1.1	5.0	ug/l	6010B	12/02/08	1	100
Chromium	U	2.0	10.	ug/l	6010B	12/02/08	1	10
Cobalt	U	1.1	10.	ug/l	6010B	12/02/08	1	10
Nickel	U	9.8	20.	ug/l	6010B	12/02/08	1	50
Silver	U	3.2	10.	ug/l	6010B	12/02/08	1	10
Vanadium	U	1.9	10.	ug/l	6010B	12/02/08	1	25
Volatile Organics								
Acetone	U	8.9	50.	ug/l	8260B	11/24/08	1	100
Acrylonitrile	U	1.7	10.	ug/l	8260B	11/24/08	1	200
Benzene	U	0.29	1.0	ug/l	8260B	11/24/08	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	11/24/08	1	3
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	11/24/08	1	1
Bromoform	U	0.51	1.0	ug/l	8260B	11/24/08	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	11/24/08	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	11/24/08	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	11/24/08	1	1
Chlorobenzene	U	0.26	1.0	ug/l	8260B	11/24/08	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	11/24/08	1	1
Chloroethane	U	0.86	5.0	ug/l	8260B	11/24/08	1	10
Chloroform	U	0.33	5.0	ug/l	8260B	11/24/08	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	11/24/08	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	11/24/08	1	1
1,2-Dichlorobenzene	U	0.29	1.0	ug/l	8260B	11/24/08	1	5
1,4-Dichlorobenzene	U	0.30	1.0	ug/l	8260B	11/24/08	1	1
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	11/24/08	1	100
1,1-Dichloroethane	U	0.31	1.0	ug/l	8260B	11/24/08	1	5
1,2-Dichloroethane	U	0.27	1.0	ug/l	8260B	11/24/08	1	1
1,1-Dichloroethene	U	0.50	1.0	ug/l	8260B	11/24/08	1	5
cis-1,2-Dichloroethene	U	0.38	1.0	ug/l	8260B	11/24/08	1	5

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

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

December 04, 2008

ESC Sample # : L376126-04

Date Received : November 21, 2008
Description : City of Durham Landfill-MSWLF

Site ID :

Sample ID : MW-5

Project # : 1054-07-469

Collected By : J Paul
Collection Date : 11/19/08 14:40

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l	8260B	11/24/08	1	5
1,2-Dichloropropane	U	0.52	1.0	ug/l	8260B	11/24/08	1	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	11/24/08	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	11/24/08	1	1
Ethylbenzene	U	0.22	1.0	ug/l	8260B	11/24/08	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	11/24/08	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	11/24/08	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	11/24/08	1	10
Methylene Chloride	U	0.30	5.0	ug/l	8260B	11/24/08	1	1
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	11/24/08	1	100
Styrene	U	0.38	1.0	ug/l	8260B	11/24/08	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	11/24/08	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	11/24/08	1	1
Tetrachloroethene	U	0.29	1.0	ug/l	8260B	11/24/08	1	1
Toluene	U	0.27	5.0	ug/l	8260B	11/24/08	1	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	11/24/08	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	11/24/08	1	5
Trichloroethene	U	0.37	1.0	ug/l	8260B	11/24/08	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	11/24/08	1	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	11/24/08	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	11/24/08	1	50
Vinyl chloride	U	0.27	1.0	ug/l	8260B	11/24/08	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	11/24/08	1	4
1,2-Dibromoethane	U	0.48	1.0	ug/l	8260B	11/24/08	1	1
1,2-Dibromo-3-Chloropropane	U	0.48	5.0	ug/l	8260B	11/24/08	1	1
Surrogate Recovery								
Toluene-d8	102.			% Rec.	8260B	11/24/08	1	
Dibromofluoromethane	99.8			% Rec.	8260B	11/24/08	1	
4-Bromofluorobenzene	96.3			% Rec.	8260B	11/24/08	1	

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

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

December 04, 2008

ESC Sample # : L376126-05

Date Received : November 21, 2008
Description : City of Durham Landfill-MSWLF

Site ID :

Sample ID : MW-7R

Project # : 1054-07-469

Collected By : J Paul
Collection Date : 11/19/08 13:50

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Cyanide	U	1.3	5.0	ug/l	9012B	11/26/08	1	10
Sulfide	17.	3.4	50.	ug/l	4500-S2	11/25/08	1	1000
Antimony	0.53	0.29	1.0	ug/l	6020	12/03/08	1	6
Arsenic	1.7	0.22	1.0	ug/l	6020	12/03/08	1	10
Beryllium	0.30	0.28	1.0	ug/l	6020	12/03/08	1	1
Cadmium	0.29	0.15	0.50	ug/l	6020	12/03/08	1	1
Copper	1.2	0.48	1.0	ug/l	6020	12/03/08	1	10
Selenium	U	0.32	1.0	ug/l	6020	12/03/08	1	10
Thallium	U	0.22	1.0	ug/l	6020	12/03/08	1	5.5
Zinc	26.	3.3	10.	ug/l	6020	12/03/08	1	10
Mercury	U	0.044	0.20	ug/l	7470A	11/25/08	1	.2
Barium	580	1.1	5.0	ug/l	6010B	12/02/08	1	100
Chromium	U	2.0	10.	ug/l	6010B	12/02/08	1	10
Cobalt	U	1.1	10.	ug/l	6010B	12/02/08	1	10
Lead	4.7	1.9	5.0	ug/l	6010B	12/02/08	1	5
Nickel	U	9.8	20.	ug/l	6010B	12/02/08	1	50
Silver	U	3.2	10.	ug/l	6010B	12/02/08	1	10
Vanadium	U	1.9	10.	ug/l	6010B	12/02/08	1	25
Volatile Organics								
Acetone	U	8.9	50.	ug/l	8260B	11/23/08	1	100
Acrolein	U	14.	50.	ug/l	8260B	11/23/08	1	53
Acrylonitrile	U	1.7	10.	ug/l	8260B	11/23/08	1	200
Benzene	U	0.29	1.0	ug/l	8260B	11/23/08	1	1
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	11/23/08	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	11/23/08	1	3
Bromoform	U	0.51	1.0	ug/l	8260B	11/23/08	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	11/23/08	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	11/23/08	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	11/23/08	1	1
Chlorobenzene	U	0.26	1.0	ug/l	8260B	11/23/08	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	11/23/08	1	1
Chloroethane	U	0.86	5.0	ug/l	8260B	11/23/08	1	10
Chloroform	U	0.33	5.0	ug/l	8260B	11/23/08	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	11/23/08	1	1
1,2-Dibromoethane	U	0.48	1.0	ug/l	8260B	11/23/08	1	1
1,2-Dibromo-3-Chloropropane	U	0.48	5.0	ug/l	8260B	11/23/08	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	11/23/08	1	1

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

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

December 04, 2008

ESC Sample # : L376126-05

Date Received : November 21, 2008
Description : City of Durham Landfill-MSWLF

Site ID :

Sample ID : MW-7R

Project # : 1054-07-469

Collected By : J Paul
Collection Date : 11/19/08 13:50

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
1,2-Dichlorobenzene	U	0.29	1.0	ug/l	8260B	11/23/08	1	5
1,3-Dichlorobenzene	U	0.19	1.0	ug/l	8260B	11/23/08	1	5
1,4-Dichlorobenzene	U	0.30	1.0	ug/l	8260B	11/23/08	1	1
Dichlorodifluoromethane	U	0.54	5.0	ug/l	8260B	11/23/08	1	5
1,1-Dichloroethane	U	0.31	1.0	ug/l	8260B	11/23/08	1	5
1,2-Dichloroethane	U	0.27	1.0	ug/l	8260B	11/23/08	1	1
1,1-Dichloroethene	U	0.50	1.0	ug/l	8260B	11/23/08	1	5
cis-1,2-Dichloroethene	U	0.38	1.0	ug/l	8260B	11/23/08	1	5
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l	8260B	11/23/08	1	5
1,2-Dichloropropane	U	0.52	1.0	ug/l	8260B	11/23/08	1	1
1,3-Dichloropropane	U	0.23	1.0	ug/l	8260B	11/23/08	1	1
2,2-Dichloropropane	U	0.25	1.0	ug/l	8260B	11/23/08	1	15
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	11/23/08	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	11/23/08	1	1
1,1-Dichloropropene	U	0.22	1.0	ug/l	8260B	11/23/08	1	5
Ethylbenzene	U	0.22	1.0	ug/l	8260B	11/23/08	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	11/23/08	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	11/23/08	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	11/23/08	1	10
Methylene Chloride	U	0.30	5.0	ug/l	8260B	11/23/08	1	1
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	11/23/08	1	100
Styrene	U	0.38	1.0	ug/l	8260B	11/23/08	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	11/23/08	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	11/23/08	1	1
Tetrachloroethene	U	0.29	1.0	ug/l	8260B	11/23/08	1	1
Toluene	U	0.27	5.0	ug/l	8260B	11/23/08	1	1
1,2,4-Trichlorobenzene	U	0.26	1.0	ug/l	8260B	11/23/08	1	10
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	11/23/08	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	11/23/08	1	5
Trichloroethene	U	0.37	1.0	ug/l	8260B	11/23/08	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	11/23/08	1	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	11/23/08	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	11/23/08	1	50
Vinyl chloride	U	0.27	1.0	ug/l	8260B	11/23/08	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	11/23/08	1	4
Acetonitrile	U	11.	50.	ug/l	8260B	11/23/08	1	200
Allyl chloride	U	0.85	5.0	ug/l	8260B	11/23/08	1	10
Chloroprene	U	7.0	50.	ug/l	8260B	11/23/08	1	20
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	11/23/08	1	100
Ethyl methacrylate	U	1.0	5.0	ug/l	8260B	11/23/08	1	10
Isobutanol	U	1.4	100	ug/l	8260B	11/23/08	1	100
Methacrylonitrile	U	11.	50.	ug/l	8260B	11/23/08	1	100

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

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

December 04, 2008

ESC Sample # : L376126-05

Date Received : November 21, 2008
Description : City of Durham Landfill-MSWLF

Site ID :

Sample ID : MW-7R

Project # : 1054-07-469

Collected By : J Paul
Collection Date : 11/19/08 13:50

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Methyl methacrylate	U	1.3	50.	ug/l	8260B	11/23/08	1	30
Propionitrile	U	7.7	50.	ug/l	8260B	11/23/08	1	150
Surrogate Recovery								
Toluene-d8	102.		0.00100	% Rec.	8260B	11/23/08	1	
Dibromofluoromethane	98.0		0.00100	% Rec.	8260B	11/23/08	1	
4-Bromofluorobenzene	101.		0.00100	% Rec.	8260B	11/23/08	1	
Pesticide/PCBs								
Aldrin	U	0.025	0.050	ug/l	8081/80	11/24/08	1	.05
Alpha BHC	U	0.025	0.050	ug/l	8081/80	11/24/08	1	.05
Beta BHC	U	0.023	0.050	ug/l	8081/80	11/24/08	1	.05
Delta BHC	U	0.0090	0.050	ug/l	8081/80	11/24/08	1	.05
Gamma BHC	U	0.033	0.050	ug/l	8081/80	11/24/08	1	.05
Chlordane	U	0.14	0.50	ug/l	8081/80	11/24/08	1	.5
4,4-DDD	U	0.026	0.050	ug/l	8081/80	11/24/08	1	.1
4,4-DDE	U	0.025	0.050	ug/l	8081/80	11/24/08	1	.1
4,4-DDT	U	0.043	0.10	ug/l	8081/80	11/24/08	1	.1
Dieldrin	U	0.026	0.050	ug/l	8081/80	11/24/08	1	.075
Endosulfan I	U	0.016	0.050	ug/l	8081/80	11/24/08	1	.1
Endosulfan II	U	0.015	0.050	ug/l	8081/80	11/24/08	1	.1
Endosulfan sulfate	U	0.027	0.050	ug/l	8081/80	11/24/08	1	.1
Endrin	U	0.025	0.050	ug/l	8081/80	11/24/08	1	.1
Endrin aldehyde	U	0.024	0.050	ug/l	8081/80	11/24/08	1	.1
Heptachlor	U	0.031	0.050	ug/l	8081/80	11/24/08	1	.05
Heptachlor epoxide	U	0.027	0.050	ug/l	8081/80	11/24/08	1	.075
Hexachlorobenzene	U	0.021	0.50	ug/l	8081/80	11/24/08	1	10
Methoxychlor	U	0.035	0.10	ug/l	8081/80	11/24/08	1	1
Toxaphene	U	0.64	1.0	ug/l	8081/80	11/24/08	1	1.5
PCB 1016	U	0.077	0.50	ug/l	8081/80	11/26/08	1	2
PCB 1221	U	0.16	0.50	ug/l	8081/80	11/26/08	1	2
PCB 1232	U	0.18	0.50	ug/l	8081/80	11/26/08	1	2
PCB 1242	U	0.099	0.50	ug/l	8081/80	11/26/08	1	2
PCB 1248	U	0.039	0.50	ug/l	8081/80	11/26/08	1	2
PCB 1254	U	0.12	0.50	ug/l	8081/80	11/26/08	1	2
PCB 1260	U	0.16	0.50	ug/l	8081/80	11/26/08	1	2
Pest/PCBs Surrogates								
Decachlorobiphenyl	26.3			% Rec.	8081/80	11/24/08	1	
Tetrachloro-m-xylene	24.9			% Rec.	8081/80	11/24/08	1	
Herbicides								
2,4-D	U	0.14	2.0	ug/l	8151	11/24/08	1	2
2,4,5-T	U	0.18	2.0	ug/l	8151	11/24/08	1	2

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

Est. 1970

REPORT OF ANALYSIS

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

December 04, 2008

ESC Sample # : L376126-05

Date Received : November 21, 2008
Description : City of Durham Landfill-MSWLF

Site ID :

Sample ID : MW-7R

Project # : 1054-07-469

Collected By : J Paul
Collection Date : 11/19/08 13:50

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
2,4,5-TP (Silvex)	U	0.22	2.0	ug/l	8151	11/24/08	1	2
Dinoseb	U	0.11	2.0	ug/l	8151	11/24/08	1	2
Surrogate Recovery								
2,4-Dichlorophenyl Acetic Acid	111.			% Rec.	8151	11/24/08	1	
Base/Neutral Extractables								
Acenaphthene	U	1.8	10.	ug/l	8270C	11/25/08	1	10
Acenaphthylene	U	1.9	10.	ug/l	8270C	11/25/08	1	10
Anthracene	U	1.1	10.	ug/l	8270C	11/25/08	1	10
Benzo(a)anthracene	U	0.70	10.	ug/l	8270C	11/25/08	1	10
Benzo(b)fluoranthene	U	0.77	10.	ug/l	8270C	11/25/08	1	10
Benzo(k)fluoranthene	U	0.90	10.	ug/l	8270C	11/25/08	1	10
Benzo(g,h,i)perylene	U	0.65	10.	ug/l	8270C	11/25/08	1	10
Benzo(a)pyrene	U	0.65	10.	ug/l	8270C	11/25/08	1	10
Benzyl alcohol	U	1.4	10.	ug/l	8270C	11/25/08	1	20
Bis(2-chlorethoxy)methane	U	2.3	10.	ug/l	8270C	11/25/08	1	10
Bis(2-chloroethyl)ether	U	1.9	10.	ug/l	8270C	11/25/08	1	10
Bis(2-chloroisopropyl)ether	U	1.9	10.	ug/l	8270C	11/25/08	1	10
4-Bromophenyl-phenylether	U	1.3	10.	ug/l	8270C	11/25/08	1	10
4-Chloroaniline	U	2.6	10.	ug/l	8270C	11/25/08	1	20
2-Chloronaphthalene	U	1.7	10.	ug/l	8270C	11/25/08	1	10
4-Chlorophenyl-phenylether	U	1.8	10.	ug/l	8270C	11/25/08	1	10
Chrysene	U	0.80	10.	ug/l	8270C	11/25/08	1	10
Dibenz(a,h)anthracene	U	0.70	10.	ug/l	8270C	11/25/08	1	10
Dibenzofuran	U	1.5	10.	ug/l	8270C	11/25/08	1	10
3,3-Dichlorobenzidine	U	0.79	10.	ug/l	8270C	11/25/08	1	20
2,4-Dinitrotoluene	U	1.1	10.	ug/l	8270C	11/25/08	1	10
2,6-Dinitrotoluene	U	1.4	10.	ug/l	8270C	11/25/08	1	10
Fluoranthene	U	1.2	10.	ug/l	8270C	11/25/08	1	10
Fluorene	U	1.5	10.	ug/l	8270C	11/25/08	1	10
Hexachlorobenzene	U	1.2	10.	ug/l	8270C	11/25/08	1	10
Hexachloro-1,3-butadiene	U	2.4	10.	ug/l	8270C	11/25/08	1	10
Hexachlorocyclopentadiene	U	1.6	10.	ug/l	8270C	11/25/08	1	10
Hexachloroethane	U	1.8	10.	ug/l	8270C	11/25/08	1	10
Indeno(1,2,3-cd)pyrene	U	0.72	10.	ug/l	8270C	11/25/08	1	10
Isophorone	U	2.8	10.	ug/l	8270C	11/25/08	1	10
2-Methylnaphthalene	U	2.0	10.	ug/l	8270C	11/25/08	1	10
Naphthalene	U	2.1	10.	ug/l	8270C	11/25/08	1	10
2-Nitroaniline	U	1.5	10.	ug/l	8270C	11/25/08	1	50
3-Nitroaniline	U	1.2	10.	ug/l	8270C	11/25/08	1	50
4-Nitroaniline	U	1.6	10.	ug/l	8270C	11/25/08	1	20
Nitrobenzene	U	2.1	10.	ug/l	8270C	11/25/08	1	10

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REPORT OF ANALYSIS

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

December 04, 2008

ESC Sample # : L376126-05

Date Received : November 21, 2008
Description : City of Durham Landfill-MSWLF

Site ID :

Sample ID : MW-7R

Project # : 1054-07-469

Collected By : J Paul
Collection Date : 11/19/08 13:50

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
n-Nitrosodiphenylamine	U	1.7	10.	ug/l	8270C	11/25/08	1	10
n-Nitrosodi-n-propylamine	U	2.4	10.	ug/l	8270C	11/25/08	1	10
Phenanthrene	U	1.1	10.	ug/l	8270C	11/25/08	1	10
Benzylbutyl phthalate	U	1.0	10.	ug/l	8270C	11/25/08	1	10
Bis(2-ethylhexyl)phthalate	U	1.3	10.	ug/l	8270C	11/25/08	1	15
Di-n-butyl phthalate	U	1.1	10.	ug/l	8270C	11/25/08	1	10
Diethyl phthalate	U	1.1	10.	ug/l	8270C	11/25/08	1	10
Dimethyl phthalate	U	1.3	10.	ug/l	8270C	11/25/08	1	10
Di-n-octyl phthalate	U	0.94	10.	ug/l	8270C	11/25/08	1	10
Pyrene	U	0.77	10.	ug/l	8270C	11/25/08	1	10
1,2,4-Trichlorobenzene	U	2.0	10.	ug/l	8270C	11/25/08	1	10
Acid Extractables								
4-Chloro-3-methylphenol	U	1.8	10.	ug/l	8270C	11/25/08	1	20
2-Chlorophenol	U	1.3	10.	ug/l	8270C	11/25/08	1	10
2-Methylphenol	U	1.3	10.	ug/l	8270C	11/25/08	1	10
3&4-Methyl phenol	U	1.1	10.	ug/l	8270C	11/25/08	1	10
2,4-Dichlorophenol	U	2.0	10.	ug/l	8270C	11/25/08	1	50
2,4-Dimethylphenol	U	2.1	10.	ug/l	8270C	11/25/08	1	10
4,6-Dinitro-2-methylphenol	U	2.2	10.	ug/l	8270C	11/25/08	1	50
2,4-Dinitrophenol	U	1.2	10.	ug/l	8270C	11/25/08	1	50
2-Nitrophenol	U	2.1	10.	ug/l	8270C	11/25/08	1	10
4-Nitrophenol	U	0.76	10.	ug/l	8270C	11/25/08	1	50
Pentachlorophenol	U	2.4	10.	ug/l	8270C	11/25/08	1	25
Phenol	U	0.59	10.	ug/l	8270C	11/25/08	1	10
2,4,5-Trichlorophenol	U	1.7	10.	ug/l	8270C	11/25/08	1	10
2,4,6-Trichlorophenol	U	2.0	10.	ug/l	8270C	11/25/08	1	10
Additional Semi-Volatiles								
Acetophenone	U	3.3	10.	ug/l	8270C	11/25/08	1	10
2-Acetylaminofluorene	U	3.3	10.	ug/l	8270C	11/28/08	1	20
4-Aminobiphenyl	U	3.3	10.	ug/l	8270C	11/28/08	1	15
Chlorobenzilate	U	3.3	10.	ug/l	8270C	11/28/08	1	10
Diallate	U	3.3	10.	ug/l	8270C	11/28/08	1	10
Ethyl methanesulfonate	U	3.3	10.	ug/l	8270C	11/28/08	1	20
Famphur	U	3.3	10.	ug/l	8270C	11/28/08	1	20
Hexachloropropene	U	3.3	10.	ug/l	8270C	11/28/08	1	10
Isodrin	U	3.3	10.	ug/l	8270C	11/28/08	1	20
Isosafrole	U	3.3	10.	ug/l	8270C	11/28/08	1	10
Kepone	U	3.3	10.	ug/l	8270C	11/28/08	1	20
Methapyrilene	U	3.3	10.	ug/l	8270C	11/28/08	1	100
3-Methylcholanthrene	U	3.3	10.	ug/l	8270C	11/28/08	1	10
Methyl methanesulfonate	U	3.3	10.	ug/l	8270C	11/28/08	1	10
Methyl parathion	U	3.3	10.	ug/l	8270C	11/28/08	1	10

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REPORT OF ANALYSIS

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

December 04, 2008

ESC Sample # : L376126-05

Date Received : November 21, 2008
Description : City of Durham Landfill-MSWLF

Site ID :

Sample ID : MW-7R

Project # : 1054-07-469

Collected By : J Paul
Collection Date : 11/19/08 13:50

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
1,4-Naphthoquinone	U	3.3	10.	ug/l	8270C	11/28/08	1	10
1-Naphthylamine	U	3.3	10.	ug/l	8270C	11/28/08	1	10
2-Naphthylamine	U	3.3	10.	ug/l	8270C	11/28/08	1	10
n-Nitrosodi-n-butylamine	U	3.3	10.	ug/l	8270C	11/28/08	1	10
n-Nitrosodiethylamine	U	3.3	10.	ug/l	8270C	11/28/08	1	20
n-Nitrosodimethylamine	U	1.3	10.	ug/l	8270C	11/25/08	1	10
n-Nitrosomethylethylamine	U	3.3	10.	ug/l	8270C	11/28/08	1	10
n-Nitrosopiperidine	U	3.3	10.	ug/l	8270C	11/28/08	1	20
n-Nitrosopyrrolidine	U	3.3	10.	ug/l	8270C	11/28/08	1	10
5-Nitro-o-toluidine	U	3.3	10.	ug/l	8270C	11/28/08	1	10
Ethyl Parathion	U	3.3	10.	ug/l	8270C	11/28/08	1	10
Pentachlorobenzene	U	3.3	10.	ug/l	8270C	11/28/08	1	10
Pentachloronitrobenzene	U	3.3	10.	ug/l	8270C	11/28/08	1	20
Phenacetin	U	3.3	10.	ug/l	8270C	11/28/08	1	20
Phorate	U	3.3	10.	ug/l	8270C	11/28/08	1	10
Pronamide	U	3.3	10.	ug/l	8270C	11/28/08	1	10
p-Phenylenediamine	U	3.3	10.	ug/l	8270C	11/28/08	1	10
Dimethoate	U	3.3	10.	ug/l	8270C	11/28/08	1	20
P-(Dimethylamino) Azobenzene	U	3.3	10.	ug/l	8270C	11/28/08	1	10
Dimethylbenz (A) Anthracene	U	3.3	10.	ug/l	8270C	11/28/08	1	10
3,3-Dimethylbenzidine	U	3.3	10.	ug/l	8270C	11/28/08	1	10
1,3-Dinitrobenzene	U	3.3	10.	ug/l	8270C	11/28/08	1	20
Diphenylamine	U	3.3	10.	ug/l	8270C	11/28/08	1	10
Disulfoton	U	3.3	10.	ug/l	8270C	11/28/08	1	10
Safrole	U	3.3	10.	ug/l	8270C	11/28/08	1	10
Thionazin	U	3.3	10.	ug/l	8270C	11/28/08	1	20
o-Toluidine	U	3.3	10.	ug/l	8270C	11/28/08	1	10
O,O,O-Triethyl phosphorothioate	U	3.3	10.	ug/l	8270C	11/28/08	1	10
1,3,5-Trinitrobenzene	U	3.3	10.	ug/l	8270C	11/28/08	1	10
1,2,4,5-Tetrachlorobenzene	U	3.3	10.	ug/l	8270C	11/25/08	1	10
2,6-Dichlorophenol	U	3.3	10.	ug/l	8270C	11/28/08	1	10
2,3,4,6-Tetrachlorophenol	U	3.3	10.	ug/l	8270C	11/28/08	1	10
Surrogate Recovery								
Nitrobenzene-d5	73.1			% Rec.	8270C	11/25/08	1	
2-Fluorobiphenyl	83.9			% Rec.	8270C	11/25/08	1	
p-Terphenyl-d14	118.			% Rec.	8270C	11/25/08	1	
Phenol-d5	25.9			% Rec.	8270C	11/25/08	1	
2-Fluorophenol	37.7			% Rec.	8270C	11/25/08	1	
2,4,6-Tribromophenol	86.8			% Rec.	8270C	11/25/08	1	

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REPORT OF ANALYSIS

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

December 04, 2008

ESC Sample # : L376126-06

Site ID :

Project # : 1054-07-469

Date Received : November 21, 2008
Description : City of Durham Landfill-MSWLF

Sample ID : MW-8

Collected By : J Paul
Collection Date : 11/19/08 12:20

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Antimony	0.54	0.29	1.0	ug/l	6020	12/03/08	1	6
Arsenic	1.3	0.22	1.0	ug/l	6020	12/03/08	1	10
Beryllium	0.37	0.28	1.0	ug/l	6020	12/03/08	1	1
Cadmium	0.31	0.15	0.50	ug/l	6020	12/03/08	1	1
Copper	2.6	0.48	1.0	ug/l	6020	12/03/08	1	10
Lead	1.2	0.13	1.0	ug/l	6020	12/03/08	1	
Selenium	0.67	0.32	1.0	ug/l	6020	12/03/08	1	10
Thallium	U	0.22	1.0	ug/l	6020	12/03/08	1	5.5
Zinc	9.8	3.3	10.	ug/l	6020	12/03/08	1	10
Mercury	U	0.044	0.20	ug/l	7470A	11/25/08	1	.2
Barium	64.	1.1	5.0	ug/l	6010B	12/02/08	1	100
Chromium	2.3	2.0	10.	ug/l	6010B	12/02/08	1	10
Cobalt	7.8	1.1	10.	ug/l	6010B	12/02/08	1	10
Nickel	U	9.8	20.	ug/l	6010B	12/02/08	1	50
Silver	U	3.2	10.	ug/l	6010B	12/02/08	1	10
Vanadium	U	1.9	10.	ug/l	6010B	12/02/08	1	25
Volatile Organics								
Acetone	U	8.9	50.	ug/l	8260B	11/24/08	1	100
Acrylonitrile	U	1.7	10.	ug/l	8260B	11/24/08	1	200
Benzene	U	0.29	1.0	ug/l	8260B	11/24/08	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	11/24/08	1	3
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	11/24/08	1	1
Bromoform	U	0.51	1.0	ug/l	8260B	11/24/08	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	11/24/08	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	11/24/08	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	11/24/08	1	1
Chlorobenzene	U	0.26	1.0	ug/l	8260B	11/24/08	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	11/24/08	1	1
Chloroethane	U	0.86	5.0	ug/l	8260B	11/24/08	1	10
Chloroform	U	0.33	5.0	ug/l	8260B	11/24/08	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	11/24/08	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	11/24/08	1	1
1,2-Dichlorobenzene	U	0.29	1.0	ug/l	8260B	11/24/08	1	5
1,4-Dichlorobenzene	U	0.30	1.0	ug/l	8260B	11/24/08	1	1
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	11/24/08	1	100
1,1-Dichloroethane	U	0.31	1.0	ug/l	8260B	11/24/08	1	5
1,2-Dichloroethane	U	0.27	1.0	ug/l	8260B	11/24/08	1	1
1,1-Dichloroethene	U	0.50	1.0	ug/l	8260B	11/24/08	1	5
cis-1,2-Dichloroethene	U	0.38	1.0	ug/l	8260B	11/24/08	1	5

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REPORT OF ANALYSIS

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

December 04, 2008

ESC Sample # : L376126-06

Date Received : November 21, 2008
Description : City of Durham Landfill-MSWLF

Site ID :

Sample ID : MW-8

Project # : 1054-07-469

Collected By : J Paul
Collection Date : 11/19/08 12:20

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l	8260B	11/24/08	1	5
1,2-Dichloropropane	U	0.52	1.0	ug/l	8260B	11/24/08	1	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	11/24/08	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	11/24/08	1	1
Ethylbenzene	U	0.22	1.0	ug/l	8260B	11/24/08	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	11/24/08	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	11/24/08	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	11/24/08	1	10
Methylene Chloride	U	0.30	5.0	ug/l	8260B	11/24/08	1	1
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	11/24/08	1	100
Styrene	U	0.38	1.0	ug/l	8260B	11/24/08	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	11/24/08	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	11/24/08	1	1
Tetrachloroethene	U	0.29	1.0	ug/l	8260B	11/24/08	1	1
Toluene	U	0.27	5.0	ug/l	8260B	11/24/08	1	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	11/24/08	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	11/24/08	1	5
Trichloroethene	U	0.37	1.0	ug/l	8260B	11/24/08	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	11/24/08	1	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	11/24/08	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	11/24/08	1	50
Vinyl chloride	U	0.27	1.0	ug/l	8260B	11/24/08	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	11/24/08	1	4
1,2-Dibromoethane	U	0.48	1.0	ug/l	8260B	11/24/08	1	1
1,2-Dibromo-3-Chloropropane	U	0.48	5.0	ug/l	8260B	11/24/08	1	1
Surrogate Recovery								
Toluene-d8	101.			% Rec.	8260B	11/24/08	1	
Dibromofluoromethane	103.			% Rec.	8260B	11/24/08	1	
4-Bromofluorobenzene	97.6			% Rec.	8260B	11/24/08	1	

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

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

December 04, 2008

ESC Sample # : L376126-07

Date Received : November 21, 2008
Description : City of Durham Landfill-MSWLF

Site ID :

Sample ID : MW-9R

Project # : 1054-07-469

Collected By : J Paul
Collection Date : 11/19/08 11:10

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Cyanide	U	1.3	5.0	ug/l	9012B	11/26/08	1	10
Sulfide	5.4	3.4	50.	ug/l	4500-S2	11/25/08	1	1000
Antimony	0.51	0.29	1.0	ug/l	6020	12/03/08	1	6
Arsenic	0.26	0.22	1.0	ug/l	6020	12/03/08	1	10
Beryllium	0.73	0.28	1.0	ug/l	6020	12/03/08	1	1
Cadmium	0.29	0.15	0.50	ug/l	6020	12/03/08	1	1
Copper	1.2	0.48	1.0	ug/l	6020	12/03/08	1	10
Selenium	0.55	0.32	1.0	ug/l	6020	12/03/08	1	10
Thallium	U	0.22	1.0	ug/l	6020	12/03/08	1	5.5
Zinc	7.7	3.3	10.	ug/l	6020	12/03/08	1	10
Mercury	U	0.044	0.20	ug/l	7470A	11/25/08	1	.2
Barium	38.	1.1	5.0	ug/l	6010B	12/02/08	1	100
Chromium	U	2.0	10.	ug/l	6010B	12/02/08	1	10
Cobalt	5.0	1.1	10.	ug/l	6010B	12/02/08	1	10
Lead	3.2	1.9	5.0	ug/l	6010B	12/02/08	1	5
Nickel	U	9.8	20.	ug/l	6010B	12/02/08	1	50
Silver	U	3.2	10.	ug/l	6010B	12/02/08	1	10
Vanadium	U	1.9	10.	ug/l	6010B	12/02/08	1	25
Volatile Organics								
Acetone	U	8.9	50.	ug/l	8260B	11/23/08	1	100
Acrolein	U	14.	50.	ug/l	8260B	11/23/08	1	53
Acrylonitrile	U	1.7	10.	ug/l	8260B	11/23/08	1	200
Benzene	U	0.29	1.0	ug/l	8260B	11/23/08	1	1
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	11/23/08	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	11/23/08	1	3
Bromoform	U	0.51	1.0	ug/l	8260B	11/23/08	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	11/23/08	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	11/23/08	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	11/23/08	1	1
Chlorobenzene	U	0.26	1.0	ug/l	8260B	11/23/08	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	11/23/08	1	1
Chloroethane	U	0.86	5.0	ug/l	8260B	11/23/08	1	10
Chloroform	U	0.33	5.0	ug/l	8260B	11/23/08	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	11/23/08	1	1
1,2-Dibromoethane	U	0.48	1.0	ug/l	8260B	11/23/08	1	1
1,2-Dibromo-3-Chloropropane	U	0.48	5.0	ug/l	8260B	11/23/08	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	11/23/08	1	1

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Jerry Paul
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3201 Spring Forest Road
Raleigh, NC 27616

December 04, 2008

ESC Sample # : L376126-07

Date Received : November 21, 2008
Description : City of Durham Landfill-MSWLF

Site ID :

Sample ID : MW-9R

Project # : 1054-07-469

Collected By : J Paul
Collection Date : 11/19/08 11:10

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
1,2-Dichlorobenzene	U	0.29	1.0	ug/l	8260B	11/23/08	1	5
1,3-Dichlorobenzene	U	0.19	1.0	ug/l	8260B	11/23/08	1	5
1,4-Dichlorobenzene	U	0.30	1.0	ug/l	8260B	11/23/08	1	1
Dichlorodifluoromethane	U	0.54	5.0	ug/l	8260B	11/23/08	1	5
1,1-Dichloroethane	U	0.31	1.0	ug/l	8260B	11/23/08	1	5
1,2-Dichloroethane	U	0.27	1.0	ug/l	8260B	11/23/08	1	1
1,1-Dichloroethene	U	0.50	1.0	ug/l	8260B	11/23/08	1	5
cis-1,2-Dichloroethene	U	0.38	1.0	ug/l	8260B	11/23/08	1	5
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l	8260B	11/23/08	1	5
1,2-Dichloropropane	U	0.52	1.0	ug/l	8260B	11/23/08	1	1
1,3-Dichloropropane	U	0.23	1.0	ug/l	8260B	11/23/08	1	1
2,2-Dichloropropane	U	0.25	1.0	ug/l	8260B	11/23/08	1	15
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	11/23/08	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	11/23/08	1	1
1,1-Dichloropropene	U	0.22	1.0	ug/l	8260B	11/23/08	1	5
Ethylbenzene	U	0.22	1.0	ug/l	8260B	11/23/08	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	11/23/08	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	11/23/08	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	11/23/08	1	10
Methylene Chloride	U	0.30	5.0	ug/l	8260B	11/23/08	1	1
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	11/23/08	1	100
Styrene	U	0.38	1.0	ug/l	8260B	11/23/08	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	11/23/08	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	11/23/08	1	1
Tetrachloroethene	U	0.29	1.0	ug/l	8260B	11/23/08	1	1
Toluene	U	0.27	5.0	ug/l	8260B	11/23/08	1	1
1,2,4-Trichlorobenzene	U	0.26	1.0	ug/l	8260B	11/23/08	1	10
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	11/23/08	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	11/23/08	1	5
Trichloroethene	U	0.37	1.0	ug/l	8260B	11/23/08	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	11/23/08	1	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	11/23/08	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	11/23/08	1	50
Vinyl chloride	U	0.27	1.0	ug/l	8260B	11/23/08	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	11/23/08	1	4
Acetonitrile	U	11.	50.	ug/l	8260B	11/23/08	1	200
Allyl chloride	U	0.85	5.0	ug/l	8260B	11/23/08	1	10
Chloroprene	U	7.0	50.	ug/l	8260B	11/23/08	1	20
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	11/23/08	1	100
Ethyl methacrylate	U	1.0	5.0	ug/l	8260B	11/23/08	1	10
Isobutanol	U	1.4	100	ug/l	8260B	11/23/08	1	100
Methacrylonitrile	U	11.	50.	ug/l	8260B	11/23/08	1	100

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REPORT OF ANALYSIS

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

December 04, 2008

ESC Sample # : L376126-07

Date Received : November 21, 2008
Description : City of Durham Landfill-MSWLF

Site ID :

Sample ID : MW-9R

Project # : 1054-07-469

Collected By : J Paul
Collection Date : 11/19/08 11:10

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Methyl methacrylate	U	1.3	50.	ug/l	8260B	11/23/08	1	30
Propionitrile	U	7.7	50.	ug/l	8260B	11/23/08	1	150
Surrogate Recovery								
Toluene-d8	103.		0.00100	% Rec.	8260B	11/23/08	1	
Dibromofluoromethane	100.		0.00100	% Rec.	8260B	11/23/08	1	
4-Bromofluorobenzene	101.		0.00100	% Rec.	8260B	11/23/08	1	
Pesticide/PCBs								
Aldrin	U	0.025	0.050	ug/l	8081/80	11/24/08	1	.05
Alpha BHC	U	0.025	0.050	ug/l	8081/80	11/24/08	1	.05
Beta BHC	U	0.023	0.050	ug/l	8081/80	11/24/08	1	.05
Delta BHC	U	0.0090	0.050	ug/l	8081/80	11/24/08	1	.05
Gamma BHC	U	0.033	0.050	ug/l	8081/80	11/24/08	1	.05
Chlordane	U	0.14	0.50	ug/l	8081/80	11/24/08	1	.5
4,4-DDD	U	0.026	0.050	ug/l	8081/80	11/24/08	1	.1
4,4-DDE	U	0.025	0.050	ug/l	8081/80	11/24/08	1	.1
4,4-DDT	U	0.043	0.10	ug/l	8081/80	11/24/08	1	.1
Dieldrin	U	0.026	0.050	ug/l	8081/80	11/24/08	1	.075
Endosulfan I	U	0.016	0.050	ug/l	8081/80	11/24/08	1	.1
Endosulfan II	U	0.015	0.050	ug/l	8081/80	11/24/08	1	.1
Endosulfan sulfate	U	0.027	0.050	ug/l	8081/80	11/24/08	1	.1
Endrin	U	0.025	0.050	ug/l	8081/80	11/24/08	1	.1
Endrin aldehyde	U	0.024	0.050	ug/l	8081/80	11/24/08	1	.1
Heptachlor	U	0.031	0.050	ug/l	8081/80	11/24/08	1	.05
Heptachlor epoxide	U	0.027	0.050	ug/l	8081/80	11/24/08	1	.075
Hexachlorobenzene	U	0.021	0.50	ug/l	8081/80	11/24/08	1	10
Methoxychlor	U	0.035	0.10	ug/l	8081/80	11/24/08	1	1
Toxaphene	U	0.64	1.0	ug/l	8081/80	11/24/08	1	1.5
PCB 1016	U	0.077	0.50	ug/l	8081/80	11/26/08	1	2
PCB 1221	U	0.16	0.50	ug/l	8081/80	11/26/08	1	2
PCB 1232	U	0.18	0.50	ug/l	8081/80	11/26/08	1	2
PCB 1242	U	0.099	0.50	ug/l	8081/80	11/26/08	1	2
PCB 1248	U	0.039	0.50	ug/l	8081/80	11/26/08	1	2
PCB 1254	U	0.12	0.50	ug/l	8081/80	11/26/08	1	2
PCB 1260	U	0.16	0.50	ug/l	8081/80	11/26/08	1	2
Pest/PCBs Surrogates								
Decachlorobiphenyl	21.8			% Rec.	8081/80	11/24/08	1	
Tetrachloro-m-xylene	24.5			% Rec.	8081/80	11/24/08	1	
Herbicides								
2,4-D	U	0.14	2.0	ug/l	8151	11/24/08	1	2
2,4,5-T	U	0.18	2.0	ug/l	8151	11/24/08	1	2

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December 04, 2008

ESC Sample # : L376126-07

Date Received : November 21, 2008
Description : City of Durham Landfill-MSWLF

Site ID :

Sample ID : MW-9R

Project # : 1054-07-469

Collected By : J Paul
Collection Date : 11/19/08 11:10

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
2,4,5-TP (Silvex)	U	0.22	2.0	ug/l	8151	11/24/08	1	2
Dinoseb	U	0.11	2.0	ug/l	8151	11/24/08	1	2
Surrogate Recovery								
2,4-Dichlorophenyl Acetic Acid	102.			% Rec.	8151	11/24/08	1	
Base/Neutral Extractables								
Acenaphthene	U	1.8	10.	ug/l	8270C	11/25/08	1	10
Acenaphthylene	U	1.9	10.	ug/l	8270C	11/25/08	1	10
Anthracene	U	1.1	10.	ug/l	8270C	11/25/08	1	10
Benzo(a)anthracene	U	0.70	10.	ug/l	8270C	11/25/08	1	10
Benzo(b)fluoranthene	U	0.77	10.	ug/l	8270C	11/25/08	1	10
Benzo(k)fluoranthene	U	0.90	10.	ug/l	8270C	11/25/08	1	10
Benzo(g,h,i)perylene	U	0.65	10.	ug/l	8270C	11/25/08	1	10
Benzo(a)pyrene	U	0.65	10.	ug/l	8270C	11/25/08	1	10
Benzyl alcohol	U	1.4	10.	ug/l	8270C	11/25/08	1	20
Bis(2-chlorethoxy)methane	U	2.3	10.	ug/l	8270C	11/25/08	1	10
Bis(2-chloroethyl)ether	U	1.9	10.	ug/l	8270C	11/25/08	1	10
Bis(2-chloroisopropyl)ether	U	1.9	10.	ug/l	8270C	11/25/08	1	10
4-Bromophenyl-phenylether	U	1.3	10.	ug/l	8270C	11/25/08	1	10
4-Chloroaniline	U	2.6	10.	ug/l	8270C	11/25/08	1	20
2-Chloronaphthalene	U	1.7	10.	ug/l	8270C	11/25/08	1	10
4-Chlorophenyl-phenylether	U	1.8	10.	ug/l	8270C	11/25/08	1	10
Chrysene	U	0.80	10.	ug/l	8270C	11/25/08	1	10
Dibenz(a,h)anthracene	U	0.70	10.	ug/l	8270C	11/25/08	1	10
Dibenzofuran	U	1.5	10.	ug/l	8270C	11/25/08	1	10
3,3-Dichlorobenzidine	U	0.79	10.	ug/l	8270C	11/25/08	1	20
2,4-Dinitrotoluene	U	1.1	10.	ug/l	8270C	11/25/08	1	10
2,6-Dinitrotoluene	U	1.4	10.	ug/l	8270C	11/25/08	1	10
Fluoranthene	U	1.2	10.	ug/l	8270C	11/25/08	1	10
Fluorene	U	1.5	10.	ug/l	8270C	11/25/08	1	10
Hexachlorobenzene	U	1.2	10.	ug/l	8270C	11/25/08	1	10
Hexachloro-1,3-butadiene	U	2.4	10.	ug/l	8270C	11/25/08	1	10
Hexachlorocyclopentadiene	U	1.6	10.	ug/l	8270C	11/25/08	1	10
Hexachloroethane	U	1.8	10.	ug/l	8270C	11/25/08	1	10
Indeno(1,2,3-cd)pyrene	U	0.72	10.	ug/l	8270C	11/25/08	1	10
Isophorone	U	2.8	10.	ug/l	8270C	11/25/08	1	10
2-Methylnaphthalene	U	2.0	10.	ug/l	8270C	11/25/08	1	10
Naphthalene	U	2.1	10.	ug/l	8270C	11/25/08	1	10
2-Nitroaniline	U	1.5	10.	ug/l	8270C	11/25/08	1	50
3-Nitroaniline	U	1.2	10.	ug/l	8270C	11/25/08	1	50
4-Nitroaniline	U	1.6	10.	ug/l	8270C	11/25/08	1	20
Nitrobenzene	U	2.1	10.	ug/l	8270C	11/25/08	1	10

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December 04, 2008

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Site ID :

Sample ID : MW-9R

Project # : 1054-07-469

Collected By : J Paul
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Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
n-Nitrosodiphenylamine	U	1.7	10.	ug/l	8270C	11/25/08	1	10
n-Nitrosodi-n-propylamine	U	2.4	10.	ug/l	8270C	11/25/08	1	10
Phenanthrene	U	1.1	10.	ug/l	8270C	11/25/08	1	10
Benzylbutyl phthalate	U	1.0	10.	ug/l	8270C	11/25/08	1	10
Bis(2-ethylhexyl)phthalate	U	1.3	10.	ug/l	8270C	11/25/08	1	15
Di-n-butyl phthalate	U	1.1	10.	ug/l	8270C	11/25/08	1	10
Diethyl phthalate	U	1.1	10.	ug/l	8270C	11/25/08	1	10
Dimethyl phthalate	U	1.3	10.	ug/l	8270C	11/25/08	1	10
Di-n-octyl phthalate	U	0.94	10.	ug/l	8270C	11/25/08	1	10
Pyrene	U	0.77	10.	ug/l	8270C	11/25/08	1	10
1,2,4-Trichlorobenzene	U	2.0	10.	ug/l	8270C	11/25/08	1	10
Acid Extractables								
4-Chloro-3-methylphenol	U	1.8	10.	ug/l	8270C	11/25/08	1	20
2-Chlorophenol	U	1.3	10.	ug/l	8270C	11/25/08	1	10
2-Methylphenol	U	1.3	10.	ug/l	8270C	11/25/08	1	10
3&4-Methyl phenol	U	1.1	10.	ug/l	8270C	11/25/08	1	10
2,4-Dichlorophenol	U	2.0	10.	ug/l	8270C	11/25/08	1	50
2,4-Dimethylphenol	U	2.1	10.	ug/l	8270C	11/25/08	1	10
4,6-Dinitro-2-methylphenol	U	2.2	10.	ug/l	8270C	11/25/08	1	50
2,4-Dinitrophenol	U	1.2	10.	ug/l	8270C	11/25/08	1	50
2-Nitrophenol	U	2.1	10.	ug/l	8270C	11/25/08	1	10
4-Nitrophenol	U	0.76	10.	ug/l	8270C	11/25/08	1	50
Pentachlorophenol	U	2.4	10.	ug/l	8270C	11/25/08	1	25
Phenol	U	0.59	10.	ug/l	8270C	11/25/08	1	10
2,4,5-Trichlorophenol	U	1.7	10.	ug/l	8270C	11/25/08	1	10
2,4,6-Trichlorophenol	U	2.0	10.	ug/l	8270C	11/25/08	1	10
Additional Semi-Volatiles								
Acetophenone	U	3.3	10.	ug/l	8270C	11/25/08	1	10
2-Acetylaminofluorene	U	3.3	10.	ug/l	8270C	11/28/08	1	20
4-Aminobiphenyl	U	3.3	10.	ug/l	8270C	11/28/08	1	15
Chlorobenzilate	U	3.3	10.	ug/l	8270C	11/28/08	1	10
Diallate	U	3.3	10.	ug/l	8270C	11/28/08	1	10
Ethyl methanesulfonate	U	3.3	10.	ug/l	8270C	11/28/08	1	20
Famphur	U	3.3	10.	ug/l	8270C	11/28/08	1	20
Hexachloropropene	U	3.3	10.	ug/l	8270C	11/28/08	1	10
Isodrin	U	3.3	10.	ug/l	8270C	11/28/08	1	20
Isosafrole	U	3.3	10.	ug/l	8270C	11/28/08	1	10
Kepone	U	3.3	10.	ug/l	8270C	11/28/08	1	20
Methapyrilene	U	3.3	10.	ug/l	8270C	11/28/08	1	100
3-Methylcholanthrene	U	3.3	10.	ug/l	8270C	11/28/08	1	10
Methyl methanesulfonate	U	3.3	10.	ug/l	8270C	11/28/08	1	10
Methyl parathion	U	3.3	10.	ug/l	8270C	11/28/08	1	10

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

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REPORT OF ANALYSIS

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

December 04, 2008

ESC Sample # : L376126-07

Date Received : November 21, 2008
Description : City of Durham Landfill-MSWLF

Site ID :

Sample ID : MW-9R

Project # : 1054-07-469

Collected By : J Paul
Collection Date : 11/19/08 11:10

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
1,4-Naphthoquinone	U	3.3	10.	ug/l	8270C	11/28/08	1	10
1-Naphthylamine	U	3.3	10.	ug/l	8270C	11/28/08	1	10
2-Naphthylamine	U	3.3	10.	ug/l	8270C	11/28/08	1	10
n-Nitrosodi-n-butylamine	U	3.3	10.	ug/l	8270C	11/28/08	1	10
n-Nitrosodiethylamine	U	3.3	10.	ug/l	8270C	11/28/08	1	20
n-Nitrosodimethylamine	U	1.3	10.	ug/l	8270C	11/25/08	1	10
n-Nitrosomethylethylamine	U	3.3	10.	ug/l	8270C	11/28/08	1	10
n-Nitrosopiperidine	U	3.3	10.	ug/l	8270C	11/28/08	1	20
n-Nitrosopyrrolidine	U	3.3	10.	ug/l	8270C	11/28/08	1	10
5-Nitro-o-toluidine	U	3.3	10.	ug/l	8270C	11/28/08	1	10
Ethyl Parathion	U	3.3	10.	ug/l	8270C	11/28/08	1	10
Pentachlorobenzene	U	3.3	10.	ug/l	8270C	11/28/08	1	10
Pentachloronitrobenzene	U	3.3	10.	ug/l	8270C	11/28/08	1	20
Phenacetin	U	3.3	10.	ug/l	8270C	11/28/08	1	20
Phorate	U	3.3	10.	ug/l	8270C	11/28/08	1	10
Pronamide	U	3.3	10.	ug/l	8270C	11/28/08	1	10
p-Phenylenediamine	U	3.3	10.	ug/l	8270C	11/28/08	1	10
Dimethoate	U	3.3	10.	ug/l	8270C	11/28/08	1	20
P-(Dimethylamino) Azobenzene	U	3.3	10.	ug/l	8270C	11/28/08	1	10
Dimethylbenz (A) Anthracene	U	3.3	10.	ug/l	8270C	11/28/08	1	10
3,3-Dimethylbenzidine	U	3.3	10.	ug/l	8270C	11/28/08	1	10
1,3-Dinitrobenzene	U	3.3	10.	ug/l	8270C	11/28/08	1	20
Diphenylamine	U	3.3	10.	ug/l	8270C	11/28/08	1	10
Disulfoton	U	3.3	10.	ug/l	8270C	11/28/08	1	10
Safrole	U	3.3	10.	ug/l	8270C	11/28/08	1	10
Thionazin	U	3.3	10.	ug/l	8270C	11/28/08	1	20
o-Toluidine	U	3.3	10.	ug/l	8270C	11/28/08	1	10
O,O,O-Triethyl phosphorothioate	U	3.3	10.	ug/l	8270C	11/28/08	1	10
1,3,5-Trinitrobenzene	U	3.3	10.	ug/l	8270C	11/28/08	1	10
1,2,4,5-Tetrachlorobenzene	U	3.3	10.	ug/l	8270C	11/25/08	1	10
2,6-Dichlorophenol	U	3.3	10.	ug/l	8270C	11/28/08	1	10
2,3,4,6-Tetrachlorophenol	U	3.3	10.	ug/l	8270C	11/28/08	1	10
Surrogate Recovery								
Nitrobenzene-d5	70.3			% Rec.	8270C	11/25/08	1	
2-Fluorobiphenyl	82.2			% Rec.	8270C	11/25/08	1	
p-Terphenyl-d14	111.			% Rec.	8270C	11/25/08	1	
Phenol-d5	16.0			% Rec.	8270C	11/25/08	1	
2-Fluorophenol	25.3			% Rec.	8270C	11/25/08	1	
2,4,6-Tribromophenol	60.6			% Rec.	8270C	11/25/08	1	

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REPORT OF ANALYSIS

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

December 04, 2008

ESC Sample # : L376126-08

Date Received : November 21, 2008
Description : City of Durham Landfill-MSWLF

Site ID :

Sample ID : MW-10

Project # : 1054-07-469

Collected By : J Paul
Collection Date : 11/19/08 17:15

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Antimony	0.59	0.29	1.0	ug/l	6020	12/03/08	1	6
Arsenic	3.7	0.22	1.0	ug/l	6020	12/03/08	1	10
Beryllium	U	1.4	5.0	ug/l	6020	12/03/08	5	1
Cadmium	0.32	0.15	0.50	ug/l	6020	12/03/08	1	1
Copper	3.7	0.48	1.0	ug/l	6020	12/03/08	1	10
Lead	3.8	0.13	1.0	ug/l	6020	12/03/08	1	
Selenium	1.5	0.32	1.0	ug/l	6020	12/03/08	1	10
Thallium	U	0.22	1.0	ug/l	6020	12/03/08	1	5.5
Zinc	26.	3.3	10.	ug/l	6020	12/03/08	1	10
Mercury	U	0.044	0.20	ug/l	7470A	11/25/08	1	.2
Barium	250	1.1	5.0	ug/l	6010B	12/02/08	1	100
Chromium	6.3	2.0	10.	ug/l	6010B	12/02/08	1	10
Cobalt	16.	1.1	10.	ug/l	6010B	12/02/08	1	10
Nickel	10.	9.8	20.	ug/l	6010B	12/02/08	1	50
Silver	U	3.2	10.	ug/l	6010B	12/02/08	1	10
Vanadium	3.6	1.9	10.	ug/l	6010B	12/02/08	1	25
Volatile Organics								
Acetone	U	8.9	50.	ug/l	8260B	11/24/08	1	100
Acrylonitrile	U	1.7	10.	ug/l	8260B	11/24/08	1	200
Benzene	4.0	0.29	1.0	ug/l	8260B	11/24/08	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	11/24/08	1	3
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	11/24/08	1	1
Bromoform	U	0.51	1.0	ug/l	8260B	11/24/08	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	11/24/08	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	11/24/08	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	11/24/08	1	1
Chlorobenzene	U	0.26	1.0	ug/l	8260B	11/24/08	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	11/24/08	1	1
Chloroethane	U	0.86	5.0	ug/l	8260B	11/24/08	1	10
Chloroform	U	0.33	5.0	ug/l	8260B	11/24/08	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	11/24/08	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	11/24/08	1	1
1,2-Dichlorobenzene	U	0.29	1.0	ug/l	8260B	11/24/08	1	5
1,4-Dichlorobenzene	1.3	0.30	1.0	ug/l	8260B	11/24/08	1	1
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	11/24/08	1	100
1,1-Dichloroethane	9.8	0.31	1.0	ug/l	8260B	11/24/08	1	5
1,2-Dichloroethane	U	0.27	1.0	ug/l	8260B	11/24/08	1	1
1,1-Dichloroethene	U	0.50	1.0	ug/l	8260B	11/24/08	1	5
cis-1,2-Dichloroethene	370	3.8	10.	ug/l	8260B	11/25/08	10	5

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

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

December 04, 2008

ESC Sample # : L376126-08

Date Received : November 21, 2008
Description : City of Durham Landfill-MSWLF

Site ID :

Sample ID : MW-10

Project # : 1054-07-469

Collected By : J Paul
Collection Date : 11/19/08 17:15

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
trans-1,2-Dichloroethene	12.	0.30	1.0	ug/l	8260B	11/24/08	1	5
1,2-Dichloropropane	11.	0.52	1.0	ug/l	8260B	11/24/08	1	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	11/24/08	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	11/24/08	1	1
Ethylbenzene	U	0.22	1.0	ug/l	8260B	11/24/08	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	11/24/08	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	11/24/08	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	11/24/08	1	10
Methylene Chloride	U	0.30	5.0	ug/l	8260B	11/24/08	1	1
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	11/24/08	1	100
Styrene	U	0.38	1.0	ug/l	8260B	11/24/08	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	11/24/08	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	11/24/08	1	1
Tetrachloroethene	1.8	0.29	1.0	ug/l	8260B	11/24/08	1	1
Toluene	U	0.27	5.0	ug/l	8260B	11/24/08	1	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	11/24/08	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	11/24/08	1	5
Trichloroethene	30.	0.37	1.0	ug/l	8260B	11/24/08	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	11/24/08	1	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	11/24/08	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	11/24/08	1	50
Vinyl chloride	25.	0.27	1.0	ug/l	8260B	11/24/08	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	11/24/08	1	4
1,2-Dibromoethane	U	0.48	1.0	ug/l	8260B	11/24/08	1	1
1,2-Dibromo-3-Chloropropane	U	0.48	5.0	ug/l	8260B	11/24/08	1	1
Surrogate Recovery								
Toluene-d8	100.			% Rec.	8260B	11/24/08	1	
Dibromofluoromethane	105.			% Rec.	8260B	11/24/08	1	
4-Bromofluorobenzene	95.0			% Rec.	8260B	11/24/08	1	

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REPORT OF ANALYSIS

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

December 04, 2008

ESC Sample # : L376126-09

Date Received : November 21, 2008
Description : City of Durham Landfill-MSWLF

Site ID :

Sample ID : DUP

Project # : 1054-07-469

Collected By : J Paul
Collection Date : 11/19/08 00:00

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Antimony	0.74	0.29	1.0	ug/l	6020	12/03/08	1	6
Arsenic	5.2	0.22	1.0	ug/l	6020	12/03/08	1	10
Beryllium	U	1.4	5.0	ug/l	6020	12/03/08	5	1
Cadmium	0.32	0.15	0.50	ug/l	6020	12/03/08	1	1
Copper	3.4	0.48	1.0	ug/l	6020	12/03/08	1	10
Lead	1.2	0.13	1.0	ug/l	6020	12/03/08	1	
Selenium	1.9	0.32	1.0	ug/l	6020	12/03/08	1	10
Thallium	U	0.22	1.0	ug/l	6020	12/03/08	1	5.5
Zinc	25.	3.3	10.	ug/l	6020	12/03/08	1	10
Mercury	U	0.044	0.20	ug/l	7470A	11/25/08	1	.2
Barium	380	1.1	5.0	ug/l	6010B	12/02/08	1	100
Chromium	2.5	2.0	10.	ug/l	6010B	12/02/08	1	10
Cobalt	4.9	1.1	10.	ug/l	6010B	12/02/08	1	10
Nickel	12.	9.8	20.	ug/l	6010B	12/02/08	1	50
Silver	U	3.2	10.	ug/l	6010B	12/02/08	1	10
Vanadium	2.2	1.9	10.	ug/l	6010B	12/02/08	1	25
Volatile Organics								
Acetone	U	8.9	50.	ug/l	8260B	11/24/08	1	100
Acrylonitrile	U	1.7	10.	ug/l	8260B	11/24/08	1	200
Benzene	U	0.29	1.0	ug/l	8260B	11/24/08	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	11/24/08	1	3
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	11/24/08	1	1
Bromoform	U	0.51	1.0	ug/l	8260B	11/24/08	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	11/24/08	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	11/24/08	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	11/24/08	1	1
Chlorobenzene	U	0.26	1.0	ug/l	8260B	11/24/08	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	11/24/08	1	1
Chloroethane	U	0.86	5.0	ug/l	8260B	11/24/08	1	10
Chloroform	U	0.33	5.0	ug/l	8260B	11/24/08	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	11/24/08	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	11/24/08	1	1
1,2-Dichlorobenzene	U	0.29	1.0	ug/l	8260B	11/24/08	1	5
1,4-Dichlorobenzene	U	0.30	1.0	ug/l	8260B	11/24/08	1	1
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	11/24/08	1	100
1,1-Dichloroethane	U	0.31	1.0	ug/l	8260B	11/24/08	1	5
1,2-Dichloroethane	U	0.27	1.0	ug/l	8260B	11/24/08	1	1
1,1-Dichloroethene	U	0.50	1.0	ug/l	8260B	11/24/08	1	5
cis-1,2-Dichloroethene	U	0.38	1.0	ug/l	8260B	11/25/08	1	5

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REPORT OF ANALYSIS

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

December 04, 2008

ESC Sample # : L376126-09

Date Received : November 21, 2008
Description : City of Durham Landfill-MSWLF

Site ID :

Sample ID : DUP

Project # : 1054-07-469

Collected By : J Paul
Collection Date : 11/19/08 00:00

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l	8260B	11/24/08	1	5
1,2-Dichloropropane	U	0.52	1.0	ug/l	8260B	11/24/08	1	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	11/24/08	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	11/24/08	1	1
Ethylbenzene	U	0.22	1.0	ug/l	8260B	11/24/08	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	11/24/08	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	11/24/08	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	11/24/08	1	10
Methylene Chloride	U	0.30	5.0	ug/l	8260B	11/24/08	1	1
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	11/24/08	1	100
Styrene	U	0.38	1.0	ug/l	8260B	11/24/08	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	11/24/08	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	11/24/08	1	1
Tetrachloroethene	U	0.29	1.0	ug/l	8260B	11/24/08	1	1
Toluene	U	0.27	5.0	ug/l	8260B	11/24/08	1	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	11/24/08	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	11/24/08	1	5
Trichloroethene	U	0.37	1.0	ug/l	8260B	11/24/08	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	11/24/08	1	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	11/24/08	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	11/24/08	1	50
Vinyl chloride	U	0.27	1.0	ug/l	8260B	11/24/08	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	11/24/08	1	4
1,2-Dibromoethane	U	0.48	1.0	ug/l	8260B	11/24/08	1	1
1,2-Dibromo-3-Chloropropane	U	0.48	5.0	ug/l	8260B	11/24/08	1	1
Surrogate Recovery								
Toluene-d8	102.			% Rec.	8260B	11/24/08	1	
Dibromofluoromethane	100.			% Rec.	8260B	11/24/08	1	
4-Bromofluorobenzene	97.0			% Rec.	8260B	11/24/08	1	

U = ND (Not Detected)
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

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

December 04, 2008

ESC Sample # : L376126-10

Date Received : November 21, 2008
Description : City of Durham Landfill-MSWLF

Site ID :

Sample ID : EQB

Project # : 1054-07-469

Collected By : J Paul
Collection Date : 11/19/08 19:30

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Cyanide	U	1.3	5.0	ug/l	9012B	11/26/08	1	10
Sulfide	U	3.4	50.	ug/l	4500-S2	11/25/08	1	1000
Antimony	0.53	0.29	1.0	ug/l	6020	12/03/08	1	6
Arsenic	U	0.22	1.0	ug/l	6020	12/03/08	1	10
Beryllium	U	0.28	1.0	ug/l	6020	12/03/08	1	1
Cadmium	0.28	0.15	0.50	ug/l	6020	12/03/08	1	1
Copper	1.1	0.48	1.0	ug/l	6020	12/03/08	1	10
Selenium	0.36	0.32	1.0	ug/l	6020	12/03/08	1	10
Thallium	U	0.22	1.0	ug/l	6020	12/03/08	1	5.5
Zinc	U	3.3	10.	ug/l	6020	12/03/08	1	10
Mercury	U	0.044	0.20	ug/l	7470A	11/25/08	1	.2
Barium	U	1.1	5.0	ug/l	6010B	12/02/08	1	100
Chromium	U	2.0	10.	ug/l	6010B	12/02/08	1	10
Cobalt	U	1.1	10.	ug/l	6010B	12/02/08	1	10
Lead	3.1	1.9	5.0	ug/l	6010B	12/02/08	1	5
Nickel	U	9.8	20.	ug/l	6010B	12/02/08	1	50
Silver	U	3.2	10.	ug/l	6010B	12/02/08	1	10
Vanadium	U	1.9	10.	ug/l	6010B	12/02/08	1	25
Volatile Organics								
Acetone	U	8.9	50.	ug/l	8260B	11/23/08	1	100
Acrolein	U	14.	50.	ug/l	8260B	11/23/08	1	53
Acrylonitrile	U	1.7	10.	ug/l	8260B	11/23/08	1	200
Benzene	U	0.29	1.0	ug/l	8260B	11/23/08	1	1
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	11/23/08	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	11/23/08	1	3
Bromoform	U	0.51	1.0	ug/l	8260B	11/23/08	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	11/23/08	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	11/23/08	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	11/23/08	1	1
Chlorobenzene	U	0.26	1.0	ug/l	8260B	11/23/08	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	11/23/08	1	1
Chloroethane	U	0.86	5.0	ug/l	8260B	11/23/08	1	10
Chloroform	U	0.33	5.0	ug/l	8260B	11/23/08	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	11/23/08	1	1
1,2-Dibromoethane	U	0.48	1.0	ug/l	8260B	11/23/08	1	1
1,2-Dibromo-3-Chloropropane	U	0.48	5.0	ug/l	8260B	11/23/08	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	11/23/08	1	1

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3201 Spring Forest Road
Raleigh, NC 27616

December 04, 2008

ESC Sample # : L376126-10

Date Received : November 21, 2008
Description : City of Durham Landfill-MSWLF

Site ID :

Sample ID : EQB

Project # : 1054-07-469

Collected By : J Paul
Collection Date : 11/19/08 19:30

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
1,2-Dichlorobenzene	U	0.29	1.0	ug/l	8260B	11/23/08	1	5
1,3-Dichlorobenzene	U	0.19	1.0	ug/l	8260B	11/23/08	1	5
1,4-Dichlorobenzene	U	0.30	1.0	ug/l	8260B	11/23/08	1	1
Dichlorodifluoromethane	U	0.54	5.0	ug/l	8260B	11/23/08	1	5
1,1-Dichloroethane	U	0.31	1.0	ug/l	8260B	11/23/08	1	5
1,2-Dichloroethane	U	0.27	1.0	ug/l	8260B	11/23/08	1	1
1,1-Dichloroethene	U	0.50	1.0	ug/l	8260B	11/23/08	1	5
cis-1,2-Dichloroethene	U	0.38	1.0	ug/l	8260B	11/23/08	1	5
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l	8260B	11/23/08	1	5
1,2-Dichloropropane	U	0.52	1.0	ug/l	8260B	11/23/08	1	1
1,3-Dichloropropane	U	0.23	1.0	ug/l	8260B	11/23/08	1	1
2,2-Dichloropropane	U	0.25	1.0	ug/l	8260B	11/23/08	1	15
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	11/23/08	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	11/23/08	1	1
1,1-Dichloropropene	U	0.22	1.0	ug/l	8260B	11/23/08	1	5
Ethylbenzene	U	0.22	1.0	ug/l	8260B	11/23/08	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	11/23/08	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	11/23/08	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	11/23/08	1	10
Methylene Chloride	U	0.30	5.0	ug/l	8260B	11/23/08	1	1
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	11/23/08	1	100
Styrene	U	0.38	1.0	ug/l	8260B	11/23/08	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	11/23/08	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	11/23/08	1	1
Tetrachloroethene	U	0.29	1.0	ug/l	8260B	11/23/08	1	1
Toluene	U	0.27	5.0	ug/l	8260B	11/23/08	1	1
1,2,4-Trichlorobenzene	U	0.26	1.0	ug/l	8260B	11/23/08	1	10
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	11/23/08	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	11/23/08	1	5
Trichloroethene	U	0.37	1.0	ug/l	8260B	11/23/08	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	11/23/08	1	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	11/23/08	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	11/23/08	1	50
Vinyl chloride	U	0.27	1.0	ug/l	8260B	11/23/08	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	11/23/08	1	4
Acetonitrile	U	11.	50.	ug/l	8260B	11/23/08	1	200
Allyl chloride	U	0.85	5.0	ug/l	8260B	11/23/08	1	10
Chloroprene	U	7.0	50.	ug/l	8260B	11/23/08	1	20
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	11/23/08	1	100
Ethyl methacrylate	U	1.0	5.0	ug/l	8260B	11/23/08	1	10
Isobutanol	U	1.4	100	ug/l	8260B	11/23/08	1	100
Methacrylonitrile	U	11.	50.	ug/l	8260B	11/23/08	1	100

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

December 04, 2008

ESC Sample # : L376126-10

Date Received : November 21, 2008
Description : City of Durham Landfill-MSWLF

Site ID :

Sample ID : EQB

Project # : 1054-07-469

Collected By : J Paul
Collection Date : 11/19/08 19:30

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Methyl methacrylate	U	1.3	50.	ug/l	8260B	11/23/08	1	30
Propionitrile	U	7.7	50.	ug/l	8260B	11/23/08	1	150
Surrogate Recovery								
Toluene-d8	99.3		0.00100	% Rec.	8260B	11/23/08	1	
Dibromofluoromethane	99.2		0.00100	% Rec.	8260B	11/23/08	1	
4-Bromofluorobenzene	100.		0.00100	% Rec.	8260B	11/23/08	1	
Pesticide/PCBs								
Aldrin	U	0.025	0.050	ug/l	8081/80	11/24/08	1	.05
Alpha BHC	U	0.025	0.050	ug/l	8081/80	11/24/08	1	.05
Beta BHC	U	0.023	0.050	ug/l	8081/80	11/24/08	1	.05
Delta BHC	U	0.0090	0.050	ug/l	8081/80	11/24/08	1	.05
Gamma BHC	U	0.033	0.050	ug/l	8081/80	11/24/08	1	.05
Chlordane	U	0.14	0.50	ug/l	8081/80	11/24/08	1	.5
4,4-DDD	U	0.026	0.050	ug/l	8081/80	11/24/08	1	.1
4,4-DDE	U	0.025	0.050	ug/l	8081/80	11/24/08	1	.1
4,4-DDT	U	0.043	0.10	ug/l	8081/80	11/24/08	1	.1
Dieldrin	U	0.026	0.050	ug/l	8081/80	11/24/08	1	.075
Endosulfan I	U	0.016	0.050	ug/l	8081/80	11/24/08	1	.1
Endosulfan II	U	0.015	0.050	ug/l	8081/80	11/24/08	1	.1
Endosulfan sulfate	U	0.027	0.050	ug/l	8081/80	11/24/08	1	.1
Endrin	U	0.025	0.050	ug/l	8081/80	11/24/08	1	.1
Endrin aldehyde	U	0.024	0.050	ug/l	8081/80	11/24/08	1	.1
Heptachlor	U	0.031	0.050	ug/l	8081/80	11/24/08	1	.05
Heptachlor epoxide	U	0.027	0.050	ug/l	8081/80	11/24/08	1	.075
Hexachlorobenzene	U	0.021	0.50	ug/l	8081/80	11/24/08	1	10
Methoxychlor	U	0.035	0.10	ug/l	8081/80	11/24/08	1	1
Toxaphene	U	0.64	1.0	ug/l	8081/80	11/24/08	1	1.5
PCB 1016	U	0.077	0.50	ug/l	8081/80	11/26/08	1	2
PCB 1221	U	0.16	0.50	ug/l	8081/80	11/26/08	1	2
PCB 1232	U	0.18	0.50	ug/l	8081/80	11/26/08	1	2
PCB 1242	U	0.099	0.50	ug/l	8081/80	11/26/08	1	2
PCB 1248	U	0.039	0.50	ug/l	8081/80	11/26/08	1	2
PCB 1254	U	0.12	0.50	ug/l	8081/80	11/26/08	1	2
PCB 1260	0.41	0.16	0.50	ug/l	8081/80	11/26/08	1	2
Pest/PCBs Surrogates								
Decachlorobiphenyl	27.9			% Rec.	8081/80	11/24/08	1	
Tetrachloro-m-xylene	26.0			% Rec.	8081/80	11/24/08	1	
Herbicides								
2,4-D	U	0.14	2.0	ug/l	8151	11/24/08	1	2
2,4,5-T	U	0.18	2.0	ug/l	8151	11/24/08	1	2

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Site ID :

Sample ID : EQB

Project # : 1054-07-469

Collected By : J Paul
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Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
2,4,5-TP (Silvex)	U	0.22	2.0	ug/l	8151.	11/24/08	1	2
Dinoseb	U	0.11	2.0	ug/l	8151	11/24/08	1	2
Surrogate Recovery								
2,4-Dichlorophenyl Acetic Acid	128.			% Rec.	8151	11/24/08	1	
Base/Neutral Extractables								
Acenaphthene	U	1.8	10.	ug/l	8270C	11/25/08	1	10
Acenaphthylene	U	1.9	10.	ug/l	8270C	11/25/08	1	10
Anthracene	U	1.1	10.	ug/l	8270C	11/25/08	1	10
Benzo(a)anthracene	U	0.70	10.	ug/l	8270C	11/25/08	1	10
Benzo(b)fluoranthene	U	0.77	10.	ug/l	8270C	11/25/08	1	10
Benzo(k)fluoranthene	U	0.90	10.	ug/l	8270C	11/25/08	1	10
Benzo(g,h,i)perylene	U	0.65	10.	ug/l	8270C	11/25/08	1	10
Benzo(a)pyrene	U	0.65	10.	ug/l	8270C	11/25/08	1	10
Benzyl alcohol	U	1.4	10.	ug/l	8270C	11/25/08	1	20
Bis(2-chlorethoxy)methane	U	2.3	10.	ug/l	8270C	11/25/08	1	10
Bis(2-chloroethyl)ether	U	1.9	10.	ug/l	8270C	11/25/08	1	10
Bis(2-chloroisopropyl)ether	U	1.9	10.	ug/l	8270C	11/25/08	1	10
4-Bromophenyl-phenylether	U	1.3	10.	ug/l	8270C	11/25/08	1	10
4-Chloroaniline	U	2.6	10.	ug/l	8270C	11/25/08	1	20
2-Chloronaphthalene	U	1.7	10.	ug/l	8270C	11/25/08	1	10
4-Chlorophenyl-phenylether	U	1.8	10.	ug/l	8270C	11/25/08	1	10
Chrysene	U	0.80	10.	ug/l	8270C	11/25/08	1	10
Dibenz(a,h)anthracene	U	0.70	10.	ug/l	8270C	11/25/08	1	10
Dibenzofuran	U	1.5	10.	ug/l	8270C	11/25/08	1	10
3,3-Dichlorobenzidine	U	0.79	10.	ug/l	8270C	11/25/08	1	20
2,4-Dinitrotoluene	U	1.1	10.	ug/l	8270C	11/25/08	1	10
2,6-Dinitrotoluene	U	1.4	10.	ug/l	8270C	11/25/08	1	10
Fluoranthene	U	1.2	10.	ug/l	8270C	11/25/08	1	10
Fluorene	U	1.5	10.	ug/l	8270C	11/25/08	1	10
Hexachlorobenzene	U	1.2	10.	ug/l	8270C	11/25/08	1	10
Hexachloro-1,3-butadiene	U	2.4	10.	ug/l	8270C	11/25/08	1	10
Hexachlorocyclopentadiene	U	1.6	10.	ug/l	8270C	11/25/08	1	10
Hexachloroethane	U	1.8	10.	ug/l	8270C	11/25/08	1	10
Indeno(1,2,3-cd)pyrene	U	0.72	10.	ug/l	8270C	11/25/08	1	10
Isophorone	U	2.8	10.	ug/l	8270C	11/25/08	1	10
2-Methylnaphthalene	U	2.0	10.	ug/l	8270C	11/25/08	1	10
Naphthalene	U	2.1	10.	ug/l	8270C	11/25/08	1	10
2-Nitroaniline	U	1.5	10.	ug/l	8270C	11/25/08	1	50
3-Nitroaniline	U	1.2	10.	ug/l	8270C	11/25/08	1	50
4-Nitroaniline	U	1.6	10.	ug/l	8270C	11/25/08	1	20
Nitrobenzene	U	2.1	10.	ug/l	8270C	11/25/08	1	10

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

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

December 04, 2008

ESC Sample # : L376126-10

Date Received : November 21, 2008
Description : City of Durham Landfill-MSWLF

Site ID :

Sample ID : EQB

Project # : 1054-07-469

Collected By : J Paul
Collection Date : 11/19/08 19:30

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
n-Nitrosodiphenylamine	U	1.7	10.	ug/l	8270C	11/25/08	1	10
n-Nitrosodi-n-propylamine	U	2.4	10.	ug/l	8270C	11/25/08	1	10
Phenanthrene	U	1.1	10.	ug/l	8270C	11/25/08	1	10
Benzylbutyl phthalate	U	1.0	10.	ug/l	8270C	11/25/08	1	10
Bis(2-ethylhexyl)phthalate	U	1.3	10.	ug/l	8270C	11/25/08	1	15
Di-n-butyl phthalate	U	1.1	10.	ug/l	8270C	11/25/08	1	10
Diethyl phthalate	U	1.1	10.	ug/l	8270C	11/25/08	1	10
Dimethyl phthalate	U	1.3	10.	ug/l	8270C	11/25/08	1	10
Di-n-octyl phthalate	U	0.94	10.	ug/l	8270C	11/25/08	1	10
Pyrene	U	0.77	10.	ug/l	8270C	11/25/08	1	10
1,2,4-Trichlorobenzene	U	2.0	10.	ug/l	8270C	11/25/08	1	10
Acid Extractables								
4-Chloro-3-methylphenol	U	1.8	10.	ug/l	8270C	11/25/08	1	20
2-Chlorophenol	U	1.3	10.	ug/l	8270C	11/25/08	1	10
2-Methylphenol	U	1.3	10.	ug/l	8270C	11/25/08	1	10
3&4-Methyl phenol	U	1.1	10.	ug/l	8270C	11/25/08	1	10
2,4-Dichlorophenol	U	2.0	10.	ug/l	8270C	11/25/08	1	50
2,4-Dimethylphenol	U	2.1	10.	ug/l	8270C	11/25/08	1	10
4,6-Dinitro-2-methylphenol	U	2.2	10.	ug/l	8270C	11/25/08	1	50
2,4-Dinitrophenol	U	1.2	10.	ug/l	8270C	11/25/08	1	50
2-Nitrophenol	U	2.1	10.	ug/l	8270C	11/25/08	1	10
4-Nitrophenol	U	0.76	10.	ug/l	8270C	11/25/08	1	50
Pentachlorophenol	U	2.4	10.	ug/l	8270C	11/25/08	1	25
Phenol	U	0.59	10.	ug/l	8270C	11/25/08	1	10
2,4,5-Trichlorophenol	U	1.7	10.	ug/l	8270C	11/25/08	1	10
2,4,6-Trichlorophenol	U	2.0	10.	ug/l	8270C	11/25/08	1	10
Additional Semi-Volatiles								
Acetophenone	U	3.3	10.	ug/l	8270C	11/25/08	1	10
2-Acetylaminofluorene	U	3.3	10.	ug/l	8270C	11/28/08	1	20
4-Aminobiphenyl	U	3.3	10.	ug/l	8270C	11/28/08	1	15
Chlorobenzilate	U	3.3	10.	ug/l	8270C	11/28/08	1	10
Diallate	U	3.3	10.	ug/l	8270C	11/28/08	1	10
Ethyl methanesulfonate	U	3.3	10.	ug/l	8270C	11/28/08	1	20
Famphur	U	3.3	10.	ug/l	8270C	11/28/08	1	20
Hexachloropropene	U	3.3	10.	ug/l	8270C	11/28/08	1	10
Isodrin	U	3.3	10.	ug/l	8270C	11/28/08	1	20
Isosafrole	U	3.3	10.	ug/l	8270C	11/28/08	1	10
Kepone	U	3.3	10.	ug/l	8270C	11/28/08	1	20
Methapyrilene	U	3.3	10.	ug/l	8270C	11/28/08	1	100
3-Methylcholanthrene	U	3.3	10.	ug/l	8270C	11/28/08	1	10
Methyl methanesulfonate	U	3.3	10.	ug/l	8270C	11/28/08	1	10
Methyl parathion	U	3.3	10.	ug/l	8270C	11/28/08	1	10

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

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

December 04, 2008

ESC Sample # : L376126-10

Date Received : November 21, 2008
Description : City of Durham Landfill-MSWLF

Site ID :

Sample ID : EQB

Project # : 1054-07-469

Collected By : J Paul
Collection Date : 11/19/08 19:30

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
1,4-Naphthoquinone	U	3.3	10.	ug/l	8270C	11/28/08	1	10
1-Naphthylamine	U	3.3	10.	ug/l	8270C	11/28/08	1	10
2-Naphthylamine	U	3.3	10.	ug/l	8270C	11/28/08	1	10
n-Nitrosodi-n-butylamine	U	3.3	10.	ug/l	8270C	11/28/08	1	10
n-Nitrosodiethylamine	U	3.3	10.	ug/l	8270C	11/28/08	1	20
n-Nitrosodimethylamine	U	1.3	10.	ug/l	8270C	11/25/08	1	10
n-Nitrosomethylethylamine	U	3.3	10.	ug/l	8270C	11/28/08	1	10
n-Nitrosopiperidine	U	3.3	10.	ug/l	8270C	11/28/08	1	20
n-Nitrosopyrrolidine	U	3.3	10.	ug/l	8270C	11/28/08	1	10
5-Nitro-o-toluidine	U	3.3	10.	ug/l	8270C	11/28/08	1	10
Ethyl Parathion	U	3.3	10.	ug/l	8270C	11/28/08	1	10
Pentachlorobenzene	U	3.3	10.	ug/l	8270C	11/28/08	1	10
Pentachloronitrobenzene	U	3.3	10.	ug/l	8270C	11/28/08	1	20
Phenacetin	U	3.3	10.	ug/l	8270C	11/28/08	1	20
Phorate	U	3.3	10.	ug/l	8270C	11/28/08	1	10
Pronamide	U	3.3	10.	ug/l	8270C	11/28/08	1	10
p-Phenylenediamine	U	3.3	10.	ug/l	8270C	11/28/08	1	10
Dimethoate	U	3.3	10.	ug/l	8270C	11/28/08	1	20
P-(Dimethylamino) Azobenzene	U	3.3	10.	ug/l	8270C	11/28/08	1	10
Dimethylbenz (A) Anthracene	U	3.3	10.	ug/l	8270C	11/28/08	1	10
3,3-Dimethylbenzidine	U	3.3	10.	ug/l	8270C	11/28/08	1	10
1,3-Dinitrobenzene	U	3.3	10.	ug/l	8270C	11/28/08	1	20
Diphenylamine	U	3.3	10.	ug/l	8270C	11/28/08	1	10
Disulfoton	U	3.3	10.	ug/l	8270C	11/28/08	1	10
Safrole	U	3.3	10.	ug/l	8270C	11/28/08	1	10
Thionazin	U	3.3	10.	ug/l	8270C	11/28/08	1	20
o-Toluidine	U	3.3	10.	ug/l	8270C	11/28/08	1	10
O,O,O-Triethyl phosphorothioate	U	3.3	10.	ug/l	8270C	11/28/08	1	10
1,3,5-Trinitrobenzene	U	3.3	10.	ug/l	8270C	11/28/08	1	10
1,2,4,5-Tetrachlorobenzene	U	3.3	10.	ug/l	8270C	11/25/08	1	10
2,6-Dichlorophenol	U	3.3	10.	ug/l	8270C	11/28/08	1	10
2,3,4,6-Tetrachlorophenol	U	3.3	10.	ug/l	8270C	11/28/08	1	10
Surrogate Recovery								
Nitrobenzene-d5	72.3			% Rec.	8270C	11/25/08	1	
2-Fluorobiphenyl	85.3			% Rec.	8270C	11/25/08	1	
p-Terphenyl-d14	115.			% Rec.	8270C	11/25/08	1	
Phenol-d5	27.0			% Rec.	8270C	11/25/08	1	
2-Fluorophenol	39.7			% Rec.	8270C	11/25/08	1	
2,4,6-Tribromophenol	79.8			% Rec.	8270C	11/25/08	1	

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REPORT OF ANALYSIS

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

December 04, 2008

ESC Sample # : L376126-11

Date Received : November 21, 2008
Description : City of Durham Landfill-MSWLF

Site ID :

Sample ID : S-1

Project # : 1054-07-469

Collected By : J Paul
Collection Date : 11/19/08 14:30

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Fluoride	73.	25.	100	ug/l	9056	11/22/08	1	2000
Antimony	0.59	0.29	1.0	ug/l	6020	12/03/08	1	6
Arsenic	1.4	0.22	1.0	ug/l	6020	12/03/08	1	10
Beryllium	0.35	0.28	1.0	ug/l	6020	12/03/08	1	1
Cadmium	0.30	0.15	0.50	ug/l	6020	12/03/08	1	1
Copper	4.3	0.48	1.0	ug/l	6020	12/03/08	1	10
Lead	0.79	0.13	1.0	ug/l	6020	12/03/08	1	
Selenium	U	0.32	1.0	ug/l	6020	12/03/08	1	10
Thallium	U	0.22	1.0	ug/l	6020	12/03/08	1	5.5
Zinc	12.	3.3	10.	ug/l	6020	12/03/08	1	10
Mercury	U	0.044	0.20	ug/l	7470A	11/25/08	1	.2
Barium	96.	1.1	5.0	ug/l	6010B	12/02/08	1	100
Chromium	U	2.0	10.	ug/l	6010B	12/02/08	1	10
Cobalt	1.5	1.1	10.	ug/l	6010B	12/02/08	1	10
Nickel	U	9.8	20.	ug/l	6010B	12/02/08	1	50
Silver	U	3.2	10.	ug/l	6010B	12/02/08	1	10
Vanadium	U	1.9	10.	ug/l	6010B	12/02/08	1	25
Volatile Organics								
Acetone	U	8.9	50.	ug/l	8260B	11/24/08	1	100
Acrylonitrile	U	1.7	10.	ug/l	8260B	11/24/08	1	200
Benzene	U	0.29	1.0	ug/l	8260B	11/24/08	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	11/24/08	1	3
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	11/24/08	1	1
Bromoform	U	0.51	1.0	ug/l	8260B	11/24/08	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	11/24/08	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	11/24/08	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	11/24/08	1	1
Chlorobenzene	U	0.26	1.0	ug/l	8260B	11/24/08	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	11/24/08	1	1
Chloroethane	U	0.86	5.0	ug/l	8260B	11/24/08	1	10
Chloroform	U	0.33	5.0	ug/l	8260B	11/24/08	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	11/24/08	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	11/24/08	1	1
1,2-Dichlorobenzene	U	0.29	1.0	ug/l	8260B	11/24/08	1	5
1,4-Dichlorobenzene	U	0.30	1.0	ug/l	8260B	11/24/08	1	1
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	11/24/08	1	100
1,1-Dichloroethane	U	0.31	1.0	ug/l	8260B	11/24/08	1	5
1,2-Dichloroethane	U	0.27	1.0	ug/l	8260B	11/24/08	1	1

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

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

December 04, 2008

ESC Sample # : L376126-11

Date Received : November 21, 2008
Description : City of Durham Landfill-MSWLF

Site ID :

Sample ID : S-1

Project # : 1054-07-469

Collected By : J Paul
Collection Date : 11/19/08 14:30

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
1,1-Dichloroethene	U	0.50	1.0	ug/l	8260B	11/24/08	1	5
cis-1,2-Dichloroethene	U	0.38	1.0	ug/l	8260B	11/24/08	1	5
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l	8260B	11/24/08	1	5
1,2-Dichloropropane	U	0.52	1.0	ug/l	8260B	11/24/08	1	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	11/24/08	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	11/24/08	1	1
Ethylbenzene	U	0.22	1.0	ug/l	8260B	11/24/08	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	11/24/08	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	11/24/08	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	11/24/08	1	10
Methylene Chloride	U	0.30	5.0	ug/l	8260B	11/24/08	1	1
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	11/24/08	1	100
Styrene	U	0.38	1.0	ug/l	8260B	11/24/08	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	11/24/08	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	11/24/08	1	1
Tetrachloroethene	U	0.29	1.0	ug/l	8260B	11/24/08	1	1
Toluene	U	0.27	5.0	ug/l	8260B	11/24/08	1	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	11/24/08	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	11/24/08	1	5
Trichloroethene	U	0.37	1.0	ug/l	8260B	11/24/08	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	11/24/08	1	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	11/24/08	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	11/24/08	1	50
Vinyl chloride	U	0.27	1.0	ug/l	8260B	11/24/08	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	11/24/08	1	4
1,2-Dibromoethane	U	0.48	1.0	ug/l	8260B	11/24/08	1	1
1,2-Dibromo-3-Chloropropane	U	0.48	5.0	ug/l	8260B	11/24/08	1	1
Surrogate Recovery								
Toluene-d8	102.			% Rec.	8260B	11/24/08	1	
Dibromofluoromethane	101.			% Rec.	8260B	11/24/08	1	
4-Bromofluorobenzene	93.4			% Rec.	8260B	11/24/08	1	

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REPORT OF ANALYSIS

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

December 04, 2008

ESC Sample # : L376126-12

Date Received : November 21, 2008
Description : City of Durham Landfill-MSWLF

Site ID :

Sample ID : S-2

Project # : 1054-07-469

Collected By : J Paul
Collection Date : 11/19/08 16:50

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Fluoride	84.	25.	100	ug/l	9056	11/22/08	1	2000
Antimony	0.70	0.29	1.0	ug/l	6020	12/03/08	1	6
Arsenic	1.2	0.22	1.0	ug/l	6020	12/03/08	1	10
Beryllium	U	1.4	5.0	ug/l	6020	12/03/08	5	1
Cadmium	0.33	0.15	0.50	ug/l	6020	12/03/08	1	1
Copper	4.7	0.48	1.0	ug/l	6020	12/03/08	1	10
Lead	1.7	0.13	1.0	ug/l	6020	12/03/08	1	
Selenium	0.54	0.32	1.0	ug/l	6020	12/03/08	1	10
Thallium	U	0.22	1.0	ug/l	6020	12/03/08	1	5.5
Zinc	12.	3.3	10.	ug/l	6020	12/03/08	1	10
Mercury	U	0.044	0.20	ug/l	7470A	11/25/08	1	.2
Barium	64.	1.1	5.0	ug/l	6010B	12/02/08	1	100
Chromium	3.0	2.0	10.	ug/l	6010B	12/02/08	1	10
Cobalt	1.4	1.1	10.	ug/l	6010B	12/02/08	1	10
Nickel	U	9.8	20.	ug/l	6010B	12/02/08	1	50
Silver	U	3.2	10.	ug/l	6010B	12/02/08	1	10
Vanadium	2.6	1.9	10.	ug/l	6010B	12/02/08	1	25
Volatile Organics								
Acetone	U	8.9	50.	ug/l	8260B	11/24/08	1	100
Acrylonitrile	U	1.7	10.	ug/l	8260B	11/24/08	1	200
Benzene	U	0.29	1.0	ug/l	8260B	11/24/08	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	11/24/08	1	3
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	11/24/08	1	1
Bromoform	U	0.51	1.0	ug/l	8260B	11/24/08	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	11/24/08	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	11/24/08	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	11/24/08	1	1
Chlorobenzene	U	0.26	1.0	ug/l	8260B	11/24/08	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	11/24/08	1	1
Chloroethane	U	0.86	5.0	ug/l	8260B	11/24/08	1	10
Chloroform	U	0.33	5.0	ug/l	8260B	11/24/08	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	11/24/08	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	11/24/08	1	1
1,2-Dichlorobenzene	U	0.29	1.0	ug/l	8260B	11/24/08	1	5
1,4-Dichlorobenzene	U	0.30	1.0	ug/l	8260B	11/24/08	1	1
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	11/24/08	1	100
1,1-Dichloroethane	U	0.31	1.0	ug/l	8260B	11/24/08	1	5
1,2-Dichloroethane	U	0.27	1.0	ug/l	8260B	11/24/08	1	1

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

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

December 04, 2008

ESC Sample # : L376126-12

Date Received : November 21, 2008
Description : City of Durham Landfill-MSWLF

Site ID :

Sample ID : S-2

Project # : 1054-07-469

Collected By : J Paul
Collection Date : 11/19/08 16:50

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
1,1-Dichloroethene	U	0.50	1.0	ug/l	8260B	11/24/08	1	5
cis-1,2-Dichloroethene	0.65	0.38	1.0	ug/l	8260B	11/24/08	1	5
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l	8260B	11/24/08	1	5
1,2-Dichloropropane	U	0.52	1.0	ug/l	8260B	11/24/08	1	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	11/24/08	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	11/24/08	1	1
Ethylbenzene	U	0.22	1.0	ug/l	8260B	11/24/08	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	11/24/08	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	11/24/08	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	11/24/08	1	10
Methylene Chloride	U	0.30	5.0	ug/l	8260B	11/24/08	1	1
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	11/24/08	1	100
Styrene	U	0.38	1.0	ug/l	8260B	11/24/08	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	11/24/08	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	11/24/08	1	1
Tetrachloroethene	U	0.29	1.0	ug/l	8260B	11/24/08	1	1
Toluene	U	0.27	5.0	ug/l	8260B	11/24/08	1	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	11/24/08	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	11/24/08	1	5
Trichloroethene	U	0.37	1.0	ug/l	8260B	11/24/08	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	11/24/08	1	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	11/24/08	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	11/24/08	1	50
Vinyl chloride	U	0.27	1.0	ug/l	8260B	11/24/08	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	11/24/08	1	4
1,2-Dibromoethane	U	0.48	1.0	ug/l	8260B	11/24/08	1	1
1,2-Dibromo-3-Chloropropane	U	0.48	5.0	ug/l	8260B	11/24/08	1	1
Surrogate Recovery								
Toluene-d8	101.			% Rec.	8260B	11/24/08	1	
Dibromofluoromethane	107.			% Rec.	8260B	11/24/08	1	
4-Bromofluorobenzene	99.3			% Rec.	8260B	11/24/08	1	

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

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REPORT OF ANALYSIS

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

December 04, 2008

ESC Sample # : L376126-13

Date Received : November 21, 2008
Description : City of Durham Landfill-MSWLF

Site ID :

Sample ID : S-3

Project # : 1054-07-469

Collected By : J Paul
Collection Date : 11/19/08 13:45

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Fluoride	460	25.	100	ug/l	9056	11/22/08	1	2000
Antimony	0.76	0.29	1.0	ug/l	6020	12/03/08	1	6
Arsenic	1.0	0.22	1.0	ug/l	6020	12/03/08	1	10
Beryllium	U	1.4	5.0	ug/l	6020	12/03/08	5	1
Cadmium	0.30	0.15	0.50	ug/l	6020	12/03/08	1	1
Copper	3.3	0.48	1.0	ug/l	6020	12/03/08	1	10
Lead	0.45	0.13	1.0	ug/l	6020	12/03/08	1	
Selenium	0.39	0.32	1.0	ug/l	6020	12/03/08	1	10
Thallium	U	0.22	1.0	ug/l	6020	12/03/08	1	5.5
Zinc	26.	3.3	10.	ug/l	6020	12/03/08	1	10
Mercury	U	0.044	0.20	ug/l	7470A	11/25/08	1	.2
Barium	11.	1.1	5.0	ug/l	6010B	12/04/08	1	100
Chromium	U	2.0	10.	ug/l	6010B	12/04/08	1	10
Cobalt	U	1.1	10.	ug/l	6010B	12/04/08	1	10
Nickel	U	9.8	20.	ug/l	6010B	12/04/08	1	50
Silver	U	3.2	10.	ug/l	6010B	12/04/08	1	10
Vanadium	U	1.9	10.	ug/l	6010B	12/04/08	1	25
Volatile Organics								
Acetone	U	8.9	50.	ug/l	8260B	11/24/08	1	100
Acrylonitrile	U	1.7	10.	ug/l	8260B	11/24/08	1	200
Benzene	U	0.29	1.0	ug/l	8260B	11/24/08	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	11/24/08	1	3
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	11/24/08	1	1
Bromoform	U	0.51	1.0	ug/l	8260B	11/24/08	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	11/24/08	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	11/24/08	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	11/24/08	1	1
Chlorobenzene	U	0.26	1.0	ug/l	8260B	11/24/08	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	11/24/08	1	1
Chloroethane	U	0.86	5.0	ug/l	8260B	11/24/08	1	10
Chloroform	0.42	0.33	5.0	ug/l	8260B	11/24/08	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	11/24/08	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	11/24/08	1	1
1,2-Dichlorobenzene	U	0.29	1.0	ug/l	8260B	11/24/08	1	5
1,4-Dichlorobenzene	U	0.30	1.0	ug/l	8260B	11/24/08	1	1
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	11/24/08	1	100
1,1-Dichloroethane	U	0.31	1.0	ug/l	8260B	11/24/08	1	5
1,2-Dichloroethane	U	0.27	1.0	ug/l	8260B	11/24/08	1	1

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

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

December 04, 2008

ESC Sample # : L376126-13

Date Received : November 21, 2008
Description : City of Durham Landfill-MSWLF

Site ID :

Sample ID : S-3

Project # : 1054-07-469

Collected By : J Paul
Collection Date : 11/19/08 13:45

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
1,1-Dichloroethene	U	0.50	1.0	ug/l	8260B	11/24/08	1	5
cis-1,2-Dichloroethene	U	0.38	1.0	ug/l	8260B	11/24/08	1	5
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l	8260B	11/24/08	1	5
1,2-Dichloropropane	U	0.52	1.0	ug/l	8260B	11/24/08	1	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	11/24/08	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	11/24/08	1	1
Ethylbenzene	U	0.22	1.0	ug/l	8260B	11/24/08	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	11/24/08	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	11/24/08	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	11/24/08	1	10
Methylene Chloride	U	0.30	5.0	ug/l	8260B	11/24/08	1	1
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	11/24/08	1	100
Styrene	U	0.38	1.0	ug/l	8260B	11/24/08	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	11/24/08	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	11/24/08	1	1
Tetrachloroethene	U	0.29	1.0	ug/l	8260B	11/24/08	1	1
Toluene	U	0.27	5.0	ug/l	8260B	11/24/08	1	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	11/24/08	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	11/24/08	1	5
Trichloroethene	U	0.37	1.0	ug/l	8260B	11/24/08	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	11/24/08	1	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	11/24/08	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	11/24/08	1	50
Vinyl chloride	U	0.27	1.0	ug/l	8260B	11/24/08	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	11/24/08	1	4
1,2-Dibromoethane	U	0.48	1.0	ug/l	8260B	11/24/08	1	1
1,2-Dibromo-3-Chloropropane	U	0.48	5.0	ug/l	8260B	11/24/08	1	1
Surrogate Recovery								
Toluene-d8	102.			% Rec.	8260B	11/24/08	1	
Dibromofluoromethane	104.			% Rec.	8260B	11/24/08	1	
4-Bromofluorobenzene	96.2			% Rec.	8260B	11/24/08	1	

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

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

December 04, 2008

ESC Sample # : L376126-14

Date Received : November 21, 2008
Description : City of Durham Landfill-MSWLF

Site ID :

Sample ID : S-4

Project # : 1054-07-469

Collected By : J Paul
Collection Date : 11/19/08 13:25

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Fluoride	450	25.	100	ug/l	9056	11/22/08	1	2000
Antimony	0.76	0.29	1.0	ug/l	6020	12/03/08	1	6
Arsenic	1.2	0.22	1.0	ug/l	6020	12/03/08	1	10
Beryllium	U	1.4	5.0	ug/l	6020	12/03/08	5	1
Cadmium	0.31	0.15	0.50	ug/l	6020	12/03/08	1	1
Copper	2.7	0.48	1.0	ug/l	6020	12/03/08	1	10
Lead	0.50	0.13	1.0	ug/l	6020	12/03/08	1	
Selenium	1.2	0.32	1.0	ug/l	6020	12/03/08	1	10
Thallium	U	0.22	1.0	ug/l	6020	12/03/08	1	5.5
Zinc	29.	3.3	10.	ug/l	6020	12/03/08	1	10
Mercury	U	0.044	0.20	ug/l	7470A	11/25/08	1	.2
Barium	13.	1.1	5.0	ug/l	6010B	12/04/08	1	100
Chromium	U	2.0	10.	ug/l	6010B	12/04/08	1	10
Cobalt	U	1.1	10.	ug/l	6010B	12/04/08	1	10
Nickel	U	9.8	20.	ug/l	6010B	12/04/08	1	50
Silver	U	3.2	10.	ug/l	6010B	12/04/08	1	10
Vanadium	U	1.9	10.	ug/l	6010B	12/04/08	1	25
Volatile Organics								
Acetone	U	8.9	50.	ug/l	8260B	11/25/08	1	100
Acrylonitrile	U	1.7	10.	ug/l	8260B	11/25/08	1	200
Benzene	U	0.29	1.0	ug/l	8260B	11/25/08	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	11/25/08	1	3
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	11/25/08	1	1
Bromoform	U	0.51	1.0	ug/l	8260B	11/25/08	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	11/25/08	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	11/25/08	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	11/25/08	1	1
Chlorobenzene	U	0.26	1.0	ug/l	8260B	11/25/08	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	11/25/08	1	1
Chloroethane	U	0.86	5.0	ug/l	8260B	11/25/08	1	10
Chloroform	0.39	0.33	5.0	ug/l	8260B	11/25/08	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	11/25/08	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	11/25/08	1	1
1,2-Dichlorobenzene	U	0.29	1.0	ug/l	8260B	11/25/08	1	5
1,4-Dichlorobenzene	U	0.30	1.0	ug/l	8260B	11/25/08	1	1
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	11/25/08	1	100
1,1-Dichloroethane	U	0.31	1.0	ug/l	8260B	11/25/08	1	5
1,2-Dichloroethane	U	0.27	1.0	ug/l	8260B	11/25/08	1	1

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

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REPORT OF ANALYSIS

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

December 04, 2008

ESC Sample # : L376126-14

Date Received : November 21, 2008
Description : City of Durham Landfill-MSWLF

Site ID :

Sample ID : S-4

Project # : 1054-07-469

Collected By : J Paul
Collection Date : 11/19/08 13:25

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
1,1-Dichloroethene	U	0.50	1.0	ug/l	8260B	11/25/08	1	5
cis-1,2-Dichloroethene	U	0.38	1.0	ug/l	8260B	11/25/08	1	5
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l	8260B	11/25/08	1	5
1,2-Dichloropropane	U	0.52	1.0	ug/l	8260B	11/25/08	1	1
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	11/25/08	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	11/25/08	1	1
Ethylbenzene	U	0.22	1.0	ug/l	8260B	11/25/08	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	11/25/08	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	11/25/08	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	11/25/08	1	10
Methylene Chloride	U	0.30	5.0	ug/l	8260B	11/25/08	1	1
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	11/25/08	1	100
Styrene	U	0.38	1.0	ug/l	8260B	11/25/08	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	11/25/08	1	5
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	11/25/08	1	1
Tetrachloroethene	U	0.29	1.0	ug/l	8260B	11/25/08	1	1
Toluene	U	0.27	5.0	ug/l	8260B	11/25/08	1	1
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	11/25/08	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	11/25/08	1	5
Trichloroethene	U	0.37	1.0	ug/l	8260B	11/25/08	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	11/25/08	1	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	11/25/08	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	11/25/08	1	50
Vinyl chloride	U	0.27	1.0	ug/l	8260B	11/25/08	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	11/25/08	1	4
1,2-Dibromoethane	U	0.48	1.0	ug/l	8260B	11/25/08	1	1
1,2-Dibromo-3-Chloropropane	U	0.48	5.0	ug/l	8260B	11/25/08	1	1
Surrogate Recovery								
Toluene-d8	102.			% Rec.	8260B	11/25/08	1	
Dibromofluoromethane	102.			% Rec.	8260B	11/25/08	1	
4-Bromofluorobenzene	93.4			% Rec.	8260B	11/25/08	1	

U = ND (Not Detected)
SWSL = Solid Waste Section Limit
MDL = Minimum Detection Limit = LOD = SQL(TRRP)
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SCIENCE CORP.

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Tax I.D. 62-0814289

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REPORT OF ANALYSIS

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

December 04, 2008

ESC Sample # : L376126-15

Date Received : November 21, 2008
Description : City of Durham Landfill-MSWLF

Site ID :

Sample ID : TRIP BLANK

Project # : 1054-07-469

Collected By : J Paul
Collection Date : 11/19/08 00:00

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
Volatile Organics								
Acetone	U	8.9	50.	ug/l	8260B	11/26/08	1	100
Acrolein	U	14.	50.	ug/l	8260B	11/26/08	1	53
Acrylonitrile	U	1.7	10.	ug/l	8260B	11/26/08	1	200
Benzene	U	0.29	1.0	ug/l	8260B	11/26/08	1	1
Bromodichloromethane	U	0.37	1.0	ug/l	8260B	11/26/08	1	1
Bromochloromethane	U	0.44	1.0	ug/l	8260B	11/26/08	1	3
Bromoform	U	0.51	1.0	ug/l	8260B	11/26/08	1	3
Bromomethane	U	0.89	5.0	ug/l	8260B	11/26/08	1	10
Carbon disulfide	U	0.32	1.0	ug/l	8260B	11/26/08	1	100
Carbon tetrachloride	U	0.31	1.0	ug/l	8260B	11/26/08	1	1
Chlorobenzene	U	0.26	1.0	ug/l	8260B	11/26/08	1	3
Chlorodibromomethane	U	0.42	1.0	ug/l	8260B	11/26/08	1	1
Chloroethane	U	0.86	5.0	ug/l	8260B	11/26/08	1	10
Chloroform	U	0.33	5.0	ug/l	8260B	11/26/08	1	5
Chloromethane	U	0.25	2.5	ug/l	8260B	11/26/08	1	1
1,2-Dibromoethane	U	0.48	1.0	ug/l	8260B	11/26/08	1	1
1,2-Dibromo-3-Chloropropane	U	0.48	5.0	ug/l	8260B	11/26/08	1	1
Dibromomethane	U	0.28	1.0	ug/l	8260B	11/26/08	1	1
1,2-Dichlorobenzene	U	0.29	1.0	ug/l	8260B	11/26/08	1	5
1,3-Dichlorobenzene	U	0.19	1.0	ug/l	8260B	11/26/08	1	5
1,4-Dichlorobenzene	U	0.30	1.0	ug/l	8260B	11/26/08	1	1
Dichlorodifluoromethane	U	0.54	5.0	ug/l	8260B	11/26/08	1	5
1,1-Dichloroethane	U	0.31	1.0	ug/l	8260B	11/26/08	1	5
1,2-Dichloroethane	U	0.27	1.0	ug/l	8260B	11/26/08	1	1
1,1-Dichloroethene	U	0.50	1.0	ug/l	8260B	11/26/08	1	5
cis-1,2-Dichloroethene	U	0.38	1.0	ug/l	8260B	11/26/08	1	5
trans-1,2-Dichloroethene	U	0.30	1.0	ug/l	8260B	11/26/08	1	5
1,2-Dichloropropane	U	0.52	1.0	ug/l	8260B	11/26/08	1	1
1,3-Dichloropropane	U	0.23	1.0	ug/l	8260B	11/26/08	1	1
2,2-Dichloropropane	U	0.25	1.0	ug/l	8260B	11/26/08	1	15
cis-1,3-Dichloropropene	U	0.26	1.0	ug/l	8260B	11/26/08	1	1
trans-1,3-Dichloropropene	U	0.24	1.0	ug/l	8260B	11/26/08	1	1
1,1-Dichloropropene	U	0.22	1.0	ug/l	8260B	11/26/08	1	5
Ethylbenzene	U	0.22	1.0	ug/l	8260B	11/26/08	1	1
2-Hexanone	U	1.6	10.	ug/l	8260B	11/26/08	1	50
Iodomethane	U	2.6	10.	ug/l	8260B	11/26/08	1	10
2-Butanone (MEK)	U	4.5	10.	ug/l	8260B	11/26/08	1	10
Methylene Chloride	U	0.30	5.0	ug/l	8260B	11/26/08	1	1
4-Methyl-2-pentanone (MIBK)	U	1.4	10.	ug/l	8260B	11/26/08	1	100
Styrene	U	0.38	1.0	ug/l	8260B	11/26/08	1	1
1,1,1,2-Tetrachloroethane	U	0.40	1.0	ug/l	8260B	11/26/08	1	5

U = ND (Not Detected)
SWSL = Solid Waste Section Limit
MDL = Minimum Detection Limit = LOD = SQL(TRRP)
RDL = Reported Detection Limit = LOQ = PQL = EQL = MQL(TRRP)
Note:
The reported analytical results relate only to the sample submitted.
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12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

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

December 04, 2008

ESC Sample # : L376126-15

Date Received : November 21, 2008
Description : City of Durham Landfill-MSWLF

Site ID :

Sample ID : TRIP BLANK

Project # : 1054-07-469

Collected By : J Paul
Collection Date : 11/19/08 00:00

Parameter	Result	MDL	RDL	Units	Method	Date	Dil.	SWSL
1,1,2,2-Tetrachloroethane	U	0.22	1.0	ug/l	8260B	11/26/08	1	1
Tetrachloroethene	U	0.29	1.0	ug/l	8260B	11/26/08	1	1
Toluene	0.44	0.27	5.0	ug/l	8260B	11/26/08	1	1
1,2,4-Trichlorobenzene	U	0.26	1.0	ug/l	8260B	11/26/08	1	10
1,1,1-Trichloroethane	U	0.27	1.0	ug/l	8260B	11/26/08	1	1
1,1,2-Trichloroethane	U	0.45	1.0	ug/l	8260B	11/26/08	1	5
Trichloroethene	U	0.37	1.0	ug/l	8260B	11/26/08	1	1
Trichlorofluoromethane	U	0.29	5.0	ug/l	8260B	11/26/08	1	1
1,2,3-Trichloropropane	U	0.36	1.0	ug/l	8260B	11/26/08	1	1
Vinyl acetate	U	1.0	10.	ug/l	8260B	11/26/08	1	50
Vinyl chloride	U	0.27	1.0	ug/l	8260B	11/26/08	1	1
Xylenes, Total	U	0.86	3.0	ug/l	8260B	11/26/08	1	4
Acetonitrile	U	11.	50.	ug/l	8260B	11/26/08	1	200
Allyl chloride	U	0.85	5.0	ug/l	8260B	11/26/08	1	10
Chloroprene	U	7.0	50.	ug/l	8260B	11/26/08	1	20
trans-1,4-Dichloro-2-butene	U	0.85	2.5	ug/l	8260B	11/26/08	1	100
Ethyl methacrylate	U	1.0	5.0	ug/l	8260B	11/26/08	1	10
Isobutanol	U	1.4	100	ug/l	8260B	11/26/08	1	100
Methacrylonitrile	U	11.	50.	ug/l	8260B	11/26/08	1	100
Methyl methacrylate	U	1.3	50.	ug/l	8260B	11/26/08	1	30
Propionitrile	U	7.7	50.	ug/l	8260B	11/26/08	1	150
Surrogate Recovery								
Toluene-d8	96.8		0.00100	% Rec.	8260B	11/26/08	1	
Dibromofluoromethane	92.6		0.00100	% Rec.	8260B	11/26/08	1	
4-Bromofluorobenzene	101.		0.00100	% Rec.	8260B	11/26/08	1	

U = ND (Not Detected)
SWSL = Solid Waste Section Limit
MDL = Minimum Detection Limit = LOD = SQL(TRRP)
RDL = Reported Detection Limit = LOQ = PQL = EQL = MQL(TRRP)
Note:
The reported analytical results relate only to the sample submitted.
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Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L376126-01	WG395715	SAMP	Antimony	R551725	J
	WG395715	SAMP	Arsenic	R551725	J
	WG395715	SAMP	Beryllium	R551725	J
	WG395715	SAMP	Cadmium	R551725	J
	WG395715	SAMP	Lead	R551725	J
	WG395323	SAMP	cis-1,2-Dichloroethene	R545308	J
L376126-02	WG395714	SAMP	Chromium	R550366	J
	WG395714	SAMP	Cobalt	R550366	J
	WG395714	SAMP	Nickel	R550366	J
	WG395714	SAMP	Vanadium	R550366	J
	WG395204	SAMP	Mercury	R547109	J
	WG395715	SAMP	Antimony	R551725	J
	WG395715	SAMP	Beryllium	R551725	O
	WG395715	SAMP	Cadmium	R551725	J
L376126-03	WG395714	SAMP	Chromium	R550366	J
	WG395715	SAMP	Antimony	R551725	J
	WG395715	SAMP	Beryllium	R551725	O
	WG395715	SAMP	Cadmium	R551725	J
	WG395715	SAMP	Lead	R551725	J
	WG395715	SAMP	Selenium	R551725	J
L376126-04	WG395715	SAMP	Antimony	R551725	J
	WG395715	SAMP	Beryllium	R551725	J
	WG395715	SAMP	Cadmium	R551725	J
	WG395715	SAMP	Lead	R551725	J
	WG395715	SAMP	Selenium	R551725	J
L376126-05	WG395714	SAMP	Lead	R550366	J
	WG395715	SAMP	Antimony	R551725	J
	WG395715	SAMP	Beryllium	R551725	J
	WG395715	SAMP	Cadmium	R551725	J
	WG395427	SAMP	Sulfide	R546147	J
L376126-06	WG395714	SAMP	Chromium	R550366	J
	WG395714	SAMP	Cobalt	R550366	J
	WG395715	SAMP	Antimony	R551725	J
	WG395715	SAMP	Beryllium	R551725	J
	WG395715	SAMP	Cadmium	R551725	J
	WG395715	SAMP	Selenium	R551725	J
	WG395715	SAMP	Zinc	R551725	J
L376126-07	WG395714	SAMP	Cobalt	R550366	J
	WG395714	SAMP	Lead	R550366	J
	WG395714	SAMP	Silver	R550366	J6
	WG395715	SAMP	Antimony	R551725	J
	WG395715	SAMP	Arsenic	R551725	J
	WG395715	SAMP	Beryllium	R551725	J
	WG395715	SAMP	Cadmium	R551725	J
	WG395715	SAMP	Selenium	R551725	J
	WG395715	SAMP	Zinc	R551725	J
	WG395427	SAMP	Sulfide	R546147	J
L376126-08	WG395714	SAMP	Chromium	R550366	J
	WG395714	SAMP	Nickel	R550366	J
	WG395714	SAMP	Vanadium	R550366	J
	WG395715	SAMP	Antimony	R551725	J
	WG395715	SAMP	Beryllium	R551725	O
	WG395715	SAMP	Cadmium	R551725	J
L376126-09	WG395714	SAMP	Chromium	R550366	J
	WG395714	SAMP	Cobalt	R550366	J
	WG395714	SAMP	Nickel	R550366	J
	WG395714	SAMP	Vanadium	R550366	J
	WG395715	SAMP	Antimony	R551725	J
	WG395715	SAMP	Beryllium	R551725	O
	WG395715	SAMP	Cadmium	R551725	J
L376126-10	WG395714	SAMP	Lead	R550366	J
	WG395715	SAMP	Antimony	R551725	J
	WG395715	SAMP	Cadmium	R551725	J
	WG395715	SAMP	Selenium	R551725	J
	WG395241	SAMP	2,4-Dichlorophenyl Acetic Acid	R545505	J1
	WG395162	SAMP	PCB 1260	R545665	J
L376126-11	WG395714	SAMP	Cobalt	R550366	J
	WG395715	SAMP	Antimony	R551725	J
	WG395715	SAMP	Beryllium	R551725	J

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
	WG395715	SAMP	Cadmium	R551725	J
	WG395715	SAMP	Lead	R551725	J
	WG395134	SAMP	Fluoride	R545310	J
L376126-12	WG395714	SAMP	Chromium	R550366	J
	WG395714	SAMP	Cobalt	R550366	J
	WG395714	SAMP	Vanadium	R550366	J
	WG395715	SAMP	Antimony	R551725	J
	WG395715	SAMP	Beryllium	R551725	O
	WG395715	SAMP	Cadmium	R551725	J
	WG395715	SAMP	Selenium	R551725	J
	WG395134	SAMP	Fluoride	R545310	J
	WG395323	SAMP	cis-1,2-Dichloroethene	R545308	J
L376126-13	WG395715	SAMP	Antimony	R551725	J
	WG395715	SAMP	Beryllium	R551725	O
	WG395715	SAMP	Cadmium	R551725	J
	WG395715	SAMP	Lead	R551725	J
	WG395715	SAMP	Selenium	R551725	J
	WG395323	SAMP	Chloroform	R545308	J
L376126-14	WG395715	SAMP	Antimony	R551725	J
	WG395715	SAMP	Beryllium	R551725	O
	WG395715	SAMP	Cadmium	R551725	J
	WG395715	SAMP	Lead	R551725	J
	WG395335	SAMP	Acetone	R545309	J4
	WG395335	SAMP	Chloroform	R545309	J
	WG395335	SAMP	1,2-Dichlorobenzene	R545309	J4
	WG395335	SAMP	1,1,2,2-Tetrachloroethane	R545309	J4
	WG395335	SAMP	1,2,3-Trichloropropane	R545309	J4
L376126-15	WG395791	SAMP	Toluene	R547247	J

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
J	(EPA) - Estimated value below the lowest calibration point. Confidence correlates with concentration.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits
J4	The associated batch QC was outside the established quality control range for accuracy.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low
O	(ESC) Sample diluted due to matrix interferences that impaired the ability to make an accurate analytical determination. The detection limit is elevated in order to reflect the necessary dilution.

Qualifier Report Information

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

Definitions

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

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

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

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

Summary of Remarks For Samples Printed
12/04/08 at 17:20:05

TSR Signing Reports: 690
R5 - Desired TAT

Sample: L376126-01 Account: SMERLNC Received: 11/21/08 07:45 Due Date: 12/01/08 00:00 RPT Date: 12/04/08 17:17
LOW LEVEL RDL's + EDD = SWSL NCLF. Refer to P264074.
Sample: L376126-02 Account: SMERLNC Received: 11/21/08 07:45 Due Date: 12/01/08 00:00 RPT Date: 12/04/08 17:17
LOW LEVEL RDL's + EDD = SWSL NCLF
Sample: L376126-03 Account: SMERLNC Received: 11/21/08 07:45 Due Date: 12/01/08 00:00 RPT Date: 12/04/08 17:17
LOW LEVEL RDL's + EDD = SWSL NCLF
Sample: L376126-04 Account: SMERLNC Received: 11/21/08 07:45 Due Date: 12/01/08 00:00 RPT Date: 12/04/08 17:17
LOW LEVEL RDL's + EDD = SWSL NCLF
Sample: L376126-05 Account: SMERLNC Received: 11/21/08 07:45 Due Date: 12/01/08 00:00 RPT Date: 12/04/08 17:17
LOW LEVEL RDL's + EDD = SWSL NCLF
Sample: L376126-06 Account: SMERLNC Received: 11/21/08 07:45 Due Date: 12/01/08 00:00 RPT Date: 12/04/08 17:17
LOW LEVEL RDL's + EDD = SWSL NCLF
Sample: L376126-07 Account: SMERLNC Received: 11/21/08 07:45 Due Date: 12/01/08 00:00 RPT Date: 12/04/08 17:17
LOW LEVEL RDL's + EDD = SWSL NCLF
Sample: L376126-08 Account: SMERLNC Received: 11/21/08 07:45 Due Date: 12/01/08 00:00 RPT Date: 12/04/08 17:17
LOW LEVEL RDL's + EDD = SWSL NCLF
Sample: L376126-09 Account: SMERLNC Received: 11/21/08 07:45 Due Date: 12/01/08 00:00 RPT Date: 12/04/08 17:17
LOW LEVEL RDL's + EDD = SWSL NCLF
Sample: L376126-10 Account: SMERLNC Received: 11/21/08 07:45 Due Date: 12/01/08 00:00 RPT Date: 12/04/08 17:17
LOW LEVEL RDL's + EDD = SWSL NCLF
Sample: L376126-11 Account: SMERLNC Received: 11/21/08 07:45 Due Date: 12/01/08 00:00 RPT Date: 12/04/08 17:17
LOW LEVEL RDL's + EDD = SWSL NCLF
Sample: L376126-12 Account: SMERLNC Received: 11/21/08 07:45 Due Date: 12/01/08 00:00 RPT Date: 12/04/08 17:17
LOW LEVEL RDL's + EDD = SWSL NCLF
Sample: L376126-13 Account: SMERLNC Received: 11/21/08 07:45 Due Date: 12/01/08 00:00 RPT Date: 12/04/08 17:17
LOW LEVEL RDL's + EDD = SWSL NCLF
Sample: L376126-14 Account: SMERLNC Received: 11/21/08 07:45 Due Date: 12/01/08 00:00 RPT Date: 12/04/08 17:17
LOW LEVEL RDL's + EDD = SWSL NCLF
Sample: L376126-15 Account: SMERLNC Received: 11/21/08 07:45 Due Date: 12/01/08 00:00 RPT Date: 12/04/08 17:17
LOW LEVEL RDL's + EDD = SWSL NCLF

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Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
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S&ME Inc. - Raleigh NC
Jerry Paul
3201 Spring Forest Road

Raleigh, NC 27616

Quality Assurance Report
Level II

L376126

December 04, 2008

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
1,1,1,2-Tetrachloroethane	< .001	mg/l			WG395335	11/25/08 00:26
1,1,1-Trichloroethane	< .001	mg/l			WG395335	11/25/08 00:26
1,1,2,2-Tetrachloroethane	< .001	mg/l			WG395335	11/25/08 00:26
1,1,2-Trichloroethane	< .001	mg/l			WG395335	11/25/08 00:26
1,1-Dichloroethane	< .001	mg/l			WG395335	11/25/08 00:26
1,1-Dichloroethene	< .001	mg/l			WG395335	11/25/08 00:26
1,2,3-Trichloropropane	< .001	mg/l			WG395335	11/25/08 00:26
1,2-Dibromo-3-Chloropropane	< .005	mg/l			WG395335	11/25/08 00:26
1,2-Dibromoethane	< .001	mg/l			WG395335	11/25/08 00:26
1,2-Dichlorobenzene	< .001	mg/l			WG395335	11/25/08 00:26
1,2-Dichloroethane	< .001	mg/l			WG395335	11/25/08 00:26
1,2-Dichloropropane	< .001	mg/l			WG395335	11/25/08 00:26
1,4-Dichlorobenzene	< .001	mg/l			WG395335	11/25/08 00:26
2-Butanone (MEK)	< .01	mg/l			WG395335	11/25/08 00:26
2-Hexanone	< .01	mg/l			WG395335	11/25/08 00:26
4-Methyl-2-pentanone (MIBK)	< .01	mg/l			WG395335	11/25/08 00:26
Acetone	< .05	mg/l			WG395335	11/25/08 00:26
Acrylonitrile	< .01	mg/l			WG395335	11/25/08 00:26
Benzene	< .001	mg/l			WG395335	11/25/08 00:26
Bromochloromethane	< .001	mg/l			WG395335	11/25/08 00:26
Bromodichloromethane	< .001	mg/l			WG395335	11/25/08 00:26
Bromoform	< .001	mg/l			WG395335	11/25/08 00:26
Bromomethane	< .005	mg/l			WG395335	11/25/08 00:26
Carbon disulfide	< .001	mg/l			WG395335	11/25/08 00:26
Carbon tetrachloride	< .001	mg/l			WG395335	11/25/08 00:26
Chlorobenzene	< .001	mg/l			WG395335	11/25/08 00:26
Chlorodibromomethane	< .001	mg/l			WG395335	11/25/08 00:26
Chloroethane	< .001	mg/l			WG395335	11/25/08 00:26
Chloroform	< .005	mg/l			WG395335	11/25/08 00:26
Chloromethane	< .001	mg/l			WG395335	11/25/08 00:26
cis-1,2-Dichloroethene	< .001	mg/l			WG395335	11/25/08 00:26
cis-1,3-Dichloropropene	< .001	mg/l			WG395335	11/25/08 00:26
Dibromomethane	< .001	mg/l			WG395335	11/25/08 00:26
Ethylbenzene	< .001	mg/l			WG395335	11/25/08 00:26
Iodomethane	< .01	mg/l			WG395335	11/25/08 00:26
Methylene Chloride	< .005	mg/l			WG395335	11/25/08 00:26
Styrene	< .001	mg/l			WG395335	11/25/08 00:26
Tetrachloroethene	< .001	mg/l			WG395335	11/25/08 00:26
Toluene	< .005	mg/l			WG395335	11/25/08 00:26
trans-1,2-Dichloroethene	< .001	mg/l			WG395335	11/25/08 00:26
trans-1,3-Dichloropropene	< .001	mg/l			WG395335	11/25/08 00:26
trans-1,4-Dichloro-2-butene	< .0025	mg/l			WG395335	11/25/08 00:26
Trichloroethene	< .001	mg/l			WG395335	11/25/08 00:26
Trichlorofluoromethane	< .005	mg/l			WG395335	11/25/08 00:26
Vinyl acetate	< .01	mg/l			WG395335	11/25/08 00:26
Vinyl chloride	< .001	mg/l			WG395335	11/25/08 00:26
Xylenes, Total	< .003	mg/l			WG395335	11/25/08 00:26
4-Bromofluorobenzene		% Rec.	95.47	75-128	WG395335	11/25/08 00:26
Dibromofluoromethane		% Rec.	99.95	79-125	WG395335	11/25/08 00:26
Toluene-d8		% Rec.	103.1	87-114	WG395335	11/25/08 00:26
a,a,a-Trifluorotoluene		% Rec.	104.5	84-114	WG395335	11/25/08 00:26
Fluoride	< .1	mg/l			WG395134	11/22/08 09:39
Sulfide	< .05	mg/l			WG395427	11/25/08 18:21

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3201 Spring Forest Road

Raleigh, NC 27616

Quality Assurance Report
Level II

L376126

December 04, 2008

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
cis-1,2-Dichloroethene	< .001	mg/l			WG395544	11/25/08 11:59
4-Bromofluorobenzene		% Rec.	102.1	75-128	WG395544	11/25/08 11:59
Dibromofluoromethane		% Rec.	99.02	79-125	WG395544	11/25/08 11:59
Toluene-d8		% Rec.	100.2	87-114	WG395544	11/25/08 11:59
a,a,a-Trifluorotoluene		% Rec.	104.1	84-114	WG395544	11/25/08 11:59
Cyanide	< .005	mg/l			WG395395	11/26/08 13:34
Mercury	< .0002	mg/l			WG395204	11/25/08 14:40
1,1,1,2-Tetrachloroethane	< .001	mg/l			WG395791	11/26/08 14:12
1,1,1-Trichloroethane	< .001	mg/l			WG395791	11/26/08 14:12
1,1,2,2-Tetrachloroethane	< .001	mg/l			WG395791	11/26/08 14:12
1,1,2-Trichloroethane	< .001	mg/l			WG395791	11/26/08 14:12
1,1-Dichloroethane	< .001	mg/l			WG395791	11/26/08 14:12
1,1-Dichloroethene	< .001	mg/l			WG395791	11/26/08 14:12
1,1-Dichloropropene	< .001	mg/l			WG395791	11/26/08 14:12
1,2,3-Trichloropropane	< .001	mg/l			WG395791	11/26/08 14:12
1,2,4-Trichlorobenzene	< .001	mg/l			WG395791	11/26/08 14:12
1,2-Dibromo-3-Chloropropane	< .005	mg/l			WG395791	11/26/08 14:12
1,2-Dibromoethane	< .001	mg/l			WG395791	11/26/08 14:12
1,2-Dichlorobenzene	< .001	mg/l			WG395791	11/26/08 14:12
1,2-Dichloroethane	< .001	mg/l			WG395791	11/26/08 14:12
1,2-Dichloropropane	< .001	mg/l			WG395791	11/26/08 14:12
1,3-Dichlorobenzene	< .001	mg/l			WG395791	11/26/08 14:12
1,3-Dichloropropane	< .001	mg/l			WG395791	11/26/08 14:12
1,4-Dichlorobenzene	< .001	mg/l			WG395791	11/26/08 14:12
2,2-Dichloropropane	< .001	mg/l			WG395791	11/26/08 14:12
2-Butanone (MEK)	< .01	mg/l			WG395791	11/26/08 14:12
2-Hexanone	< .01	mg/l			WG395791	11/26/08 14:12
4-Methyl-2-pentanone (MIBK)	< .01	mg/l			WG395791	11/26/08 14:12
Acetone	< .05	mg/l			WG395791	11/26/08 14:12
Acrolein	< .05	mg/l			WG395791	11/26/08 14:12
Acrylonitrile	< .01	mg/l			WG395791	11/26/08 14:12
Allyl chloride	< .005	mg/l			WG395791	11/26/08 14:12
Benzene	< .001	mg/l			WG395791	11/26/08 14:12
Bromochloromethane	< .001	mg/l			WG395791	11/26/08 14:12
Bromodichloromethane	< .001	mg/l			WG395791	11/26/08 14:12
Bromoform	< .001	mg/l			WG395791	11/26/08 14:12
Bromomethane	< .005	mg/l			WG395791	11/26/08 14:12
Carbon disulfide	< .001	mg/l			WG395791	11/26/08 14:12
Carbon tetrachloride	< .001	mg/l			WG395791	11/26/08 14:12
Chlorobenzene	< .001	mg/l			WG395791	11/26/08 14:12
Chlorodibromomethane	< .001	mg/l			WG395791	11/26/08 14:12
Chloroethane	< .001	mg/l			WG395791	11/26/08 14:12
Chloroform	< .005	mg/l			WG395791	11/26/08 14:12
Chloromethane	< .001	mg/l			WG395791	11/26/08 14:12
cis-1,2-Dichloroethene	< .001	mg/l			WG395791	11/26/08 14:12
cis-1,3-Dichloropropene	< .001	mg/l			WG395791	11/26/08 14:12
Dibromomethane	< .001	mg/l			WG395791	11/26/08 14:12
Dichlorodifluoromethane	< .005	mg/l			WG395791	11/26/08 14:12
Ethylbenzene	< .001	mg/l			WG395791	11/26/08 14:12
Iodomethane	< .01	mg/l			WG395791	11/26/08 14:12
Methylene Chloride	< .005	mg/l			WG395791	11/26/08 14:12

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Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Styrene	< .001	mg/l			WG395791	11/26/08 14:12
Tetrachloroethene	< .001	mg/l			WG395791	11/26/08 14:12
Toluene	< .005	mg/l			WG395791	11/26/08 14:12
trans-1,2-Dichloroethene	< .001	mg/l			WG395791	11/26/08 14:12
trans-1,3-Dichloropropene	< .001	mg/l			WG395791	11/26/08 14:12
trans-1,4-Dichloro-2-butene	< .0025	mg/l			WG395791	11/26/08 14:12
Trichloroethene	< .001	mg/l			WG395791	11/26/08 14:12
Trichlorofluoromethane	< .005	mg/l			WG395791	11/26/08 14:12
Vinyl acetate	< .01	mg/l			WG395791	11/26/08 14:12
Vinyl chloride	< .001	mg/l			WG395791	11/26/08 14:12
Xylenes, Total	< .003	mg/l			WG395791	11/26/08 14:12
4-Bromofluorobenzene		% Rec.	102.1	75-128	WG395791	11/26/08 14:12
Dibromofluoromethane		% Rec.	89.72	79-125	WG395791	11/26/08 14:12
Toluene-d8		% Rec.	97.15	87-114	WG395791	11/26/08 14:12
a,a,a-Trifluorotoluene		% Rec.	97.90	84-114	WG395791	11/26/08 14:12
Antimony	< .001	mg/l			WG395715	12/03/08 13:46
Arsenic	< .001	mg/l			WG395715	12/03/08 13:46
Beryllium	< .001	mg/l			WG395715	12/03/08 13:46
Cadmium	< .0005	mg/l			WG395715	12/03/08 13:46
Copper	< .001	mg/l			WG395715	12/03/08 13:46
Lead	< .001	mg/l			WG395715	12/03/08 13:46
Selenium	< .001	mg/l			WG395715	12/03/08 13:46
Thallium	< .001	mg/l			WG395715	12/03/08 13:46
Zinc	< .01	mg/l			WG395715	12/03/08 13:46
Barium	< .005	mg/l			WG395754	12/04/08 08:43
Chromium	< .01	mg/l			WG395754	12/04/08 08:43
Cobalt	< .01	mg/l			WG395754	12/04/08 08:43
Nickel	< .02	mg/l			WG395754	12/04/08 08:43
Silver	< .01	mg/l			WG395754	12/04/08 08:43
Vanadium	< .01	mg/l			WG395754	12/04/08 08:43

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Fluoride	mg/l	0.169	0.169	0.00	20	L376143-04	WG395134
Fluoride	mg/l	0.343	0.334	2.66	20	L376143-05	WG395134
Sulfide	mg/l	0.00580	0.00540	7.14	20	L376126-07	WG395427
Sulfide	mg/l	0.00	0.00	0.00	20	L375603-01	WG395427
Mercury	mg/l	0.00	0.00	0.00	20	L376211-03	WG395207
Cyanide	mg/l	0.00	0.00	0.00	20	L376109-04	WG395395
Cyanide	mg/l	0.00	0.00	0.00	20	L376349-02	WG395395
Mercury	mg/l	0.00	0.00	0.00	20	L376099-16	WG395204
Barium	mg/l	0.0442	0.0380	15.1	20	L376126-07	WG395714
Chromium	mg/l	0.00	0.00	0.00	20	L376126-07	WG395714

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Analyte	Units	Duplicate Result	Duplicate	RPD	Limit	Ref Samp	Batch
Cobalt	mg/l	0.00	0.00500	NA*	20	L376126-07	WG395714
Lead	mg/l	0.00	0.00320	NA*	20	L376126-07	WG395714
Nickel	mg/l	0.00	0.00	0.00	20	L376126-07	WG395714
Silver	mg/l	0.00	0.00	0.00	20	L376126-07	WG395714
Vanadium	mg/l	0.00	0.00	0.00	20	L376126-07	WG395714
Antimony	mg/l	0.00	0.00066	NA*	20	L376190-02	WG395715
Arsenic	mg/l	0.00189	0.00250	27.8*	20	L376190-02	WG395715
Beryllium	mg/l	0.00	0.00052	NA*	20	L376190-02	WG395715
Cadmium	mg/l	0.00	0.00046	NA*	20	L376190-02	WG395715
Copper	mg/l	0.00366	0.00320	13.4	20	L376190-02	WG395715
Lead	mg/l	0.00359	0.00364	1.38	20	L376190-02	WG395715
Selenium	mg/l	0.00498	0.00468	6.21	20	L376190-02	WG395715
Thallium	mg/l	0.00	0.00025	NA*	20	L376190-02	WG395715
Zinc	mg/l	0.00	0.00751	NA*	20	L376190-02	WG395715
Barium	mg/l	0.00962	0.00989	2.77	20	L376190-08	WG395754
Chromium	mg/l	0.00	0.00	0.00	20	L376190-08	WG395754
Cobalt	mg/l	0.00	0.00	0.00	20	L376190-08	WG395754
Nickel	mg/l	0.00	0.00	0.00	20	L376190-08	WG395754
Silver	mg/l	0.00	0.00	0.00	20	L376190-08	WG395754
Vanadium	mg/l	0.00	0.00070	NA*	20	L376190-08	WG395754

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
1,1,1,2-Tetrachloroethane	mg/l	.05	0.0537	107.	75-134	WG395211
1,1,1-Trichloroethane	mg/l	.05	0.0507	101.	67-137	WG395211
1,1,2,2-Tetrachloroethane	mg/l	.05	0.0540	108.	72-128	WG395211
1,1,2-Trichloroethane	mg/l	.05	0.0531	106.	79-123	WG395211
1,1-Dichloroethane	mg/l	.05	0.0505	101.	67-133	WG395211
1,1-Dichloroethene	mg/l	.05	0.0437	87.5	60-130	WG395211
1,1-Dichloropropene	mg/l	.05	0.0481	96.1	68-132	WG395211
1,2,3-Trichloropropane	mg/l	.05	0.0548	110.	68-130	WG395211
1,2,4-Trichlorobenzene	mg/l	.05	0.0556	111.	65-137	WG395211
1,2-Dibromo-3-Chloropropane	mg/l	.05	0.0570	114.	55-134	WG395211
1,2-Dibromoethane	mg/l	.05	0.0523	105.	75-126	WG395211
1,2-Dichlorobenzene	mg/l	.05	0.0538	108.	75-122	WG395211
1,2-Dichloroethane	mg/l	.05	0.0488	97.6	63-137	WG395211
1,2-Dichloropropane	mg/l	.05	0.0524	105.	74-122	WG395211
1,3-Dichlorobenzene	mg/l	.05	0.0528	106.	73-131	WG395211
1,3-Dichloropropane	mg/l	.05	0.0512	102.	77-119	WG395211
1,4-Dichlorobenzene	mg/l	.05	0.0547	109.	70-121	WG395211
2,2-Dichloropropane	mg/l	.05	0.0388	77.7	46-151	WG395211
2-Butanone (MEK)	mg/l	.25	0.242	96.9	53-132	WG395211
2-Hexanone	mg/l	.25	0.306	122.	56-147	WG395211
4-Methyl-2-pentanone (MIBK)	mg/l	.25	0.301	120.	60-142	WG395211
Acetone	mg/l	.25	0.259	104.	48-134	WG395211
Acrolein	mg/l	.25	0.282	113.	6-182	WG395211
Acrylonitrile	mg/l	.25	0.268	107.	60-140	WG395211
Allyl chloride	mg/l	.25	0.200	79.8*	0-0	WG395211
Benzene	mg/l	.05	0.0470	94.1	67-126	WG395211
Bromochloromethane	mg/l	.05	0.0513	103.	75-128	WG395211
Bromodichloromethane	mg/l	.05	0.0544	109.	68-133	WG395211
Bromoform	mg/l	.05	0.0609	122.	60-139	WG395211
Bromomethane	mg/l	.05	0.0596	119.	45-175	WG395211

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Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Carbon disulfide	mg/l	.05	0.0432	86.4	41-148	WG395211
Carbon tetrachloride	mg/l	.05	0.0462	92.4	64-141	WG395211
Chlorobenzene	mg/l	.05	0.0526	105.	77-125	WG395211
Chlorodibromomethane	mg/l	.05	0.0568	114.	73-138	WG395211
Chloroethane	mg/l	.05	0.0472	94.4	49-155	WG395211
Chloroform	mg/l	.05	0.0479	95.7	66-126	WG395211
Chloromethane	mg/l	.05	0.0525	105.	45-152	WG395211
cis-1,2-Dichloroethene	mg/l	.05	0.0496	99.2	72-128	WG395211
cis-1,3-Dichloropropene	mg/l	.05	0.0539	108.	73-131	WG395211
Dibromomethane	mg/l	.05	0.0523	105.	73-125	WG395211
Dichlorodifluoromethane	mg/l	.05	0.0484	96.8	39-189	WG395211
Ethylbenzene	mg/l	.05	0.0513	103.	76-129	WG395211
Iodomethane	mg/l	.25	0.216	86.5	61-148	WG395211
Methylene Chloride	mg/l	.05	0.0433	86.5	64-125	WG395211
Styrene	mg/l	.05	0.0573	115.	78-130	WG395211
Tetrachloroethene	mg/l	.05	0.0522	104.	67-135	WG395211
Toluene	mg/l	.05	0.0479	95.9	72-122	WG395211
trans-1,2-Dichloroethene	mg/l	.05	0.0479	95.8	67-129	WG395211
trans-1,3-Dichloropropene	mg/l	.05	0.0526	105.	66-137	WG395211
trans-1,4-Dichloro-2-butene	mg/l	.05	0.0378	75.7	48-139	WG395211
Trichloroethene	mg/l	.05	0.0516	103.	74-126	WG395211
Trichlorofluoromethane	mg/l	.05	0.0465	93.0	54-156	WG395211
Vinyl acetate	mg/l	.25	0.239	95.5	34-178	WG395211
Vinyl chloride	mg/l	.05	0.0468	93.6	55-153	WG395211
Xylenes, Total	mg/l	.15	0.150	99.8	75-128	WG395211
4-Bromofluorobenzene				99.33	75-128	WG395211
Dibromofluoromethane				96.65	79-125	WG395211
Toluene-d8				101.6	87-114	WG395211
a,a,a-Trifluorotoluene				105.2	84-114	WG395211
1,1,1,2-Tetrachloroethane	mg/l	.05	0.0581	116.	75-134	WG395323
1,1,1-Trichloroethane	mg/l	.05	0.0551	110.	67-137	WG395323
1,1,2,2-Tetrachloroethane	mg/l	.05	0.0536	107.	72-128	WG395323
1,1,2-Trichloroethane	mg/l	.05	0.0495	99.1	79-123	WG395323
1,1-Dichloroethane	mg/l	.05	0.0543	109.	67-133	WG395323
1,1-Dichloroethene	mg/l	.05	0.0529	106.	60-130	WG395323
1,2,3-Trichloropropane	mg/l	.05	0.0547	109.	68-130	WG395323
1,2-Dibromo-3-Chloropropane	mg/l	.05	0.0503	101.	55-134	WG395323
1,2-Dibromoethane	mg/l	.05	0.0530	106.	75-126	WG395323
1,2-Dichlorobenzene	mg/l	.05	0.0517	103.	75-122	WG395323
1,2-Dichloroethane	mg/l	.05	0.0513	103.	63-137	WG395323
1,2-Dichloropropane	mg/l	.05	0.0521	104.	74-122	WG395323
1,4-Dichlorobenzene	mg/l	.05	0.0508	102.	70-121	WG395323
2-Butanone (MEK)	mg/l	.25	0.248	99.3	53-132	WG395323
2-Hexanone	mg/l	.25	0.269	107.	56-147	WG395323
4-Methyl-2-pentanone (MIBK)	mg/l	.25	0.260	104.	60-142	WG395323
Acetone	mg/l	.25	0.289	116.	48-134	WG395323
Acrylonitrile	mg/l	.25	0.269	108.	60-140	WG395323
Benzene	mg/l	.05	0.0500	100.	67-126	WG395323
Bromochloromethane	mg/l	.05	0.0559	112.	75-128	WG395323
Bromodichloromethane	mg/l	.05	0.0551	110.	68-133	WG395323
Bromoform	mg/l	.05	0.0529	106.	60-139	WG395323
Bromomethane	mg/l	.05	0.0517	103.	45-175	WG395323
Carbon disulfide	mg/l	.05	0.0474	94.7	41-148	WG395323
Carbon tetrachloride	mg/l	.05	0.0523	105.	64-141	WG395323
Chlorobenzene	mg/l	.05	0.0521	104.	77-125	WG395323
Chlorodibromomethane	mg/l	.05	0.0565	113.	73-138	WG395323

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Chloroethane	mg/l	.05	0.0546	109.	49-155	WG395323
Chloroform	mg/l	.05	0.0536	107.	66-126	WG395323
Chloromethane	mg/l	.05	0.0496	99.2	45-152	WG395323
cis-1,2-Dichloroethene	mg/l	.05	0.0534	107.	72-128	WG395323
cis-1,3-Dichloropropene	mg/l	.05	0.0542	108.	73-131	WG395323
Dibromomethane	mg/l	.05	0.0531	106.	73-125	WG395323
Ethylbenzene	mg/l	.05	0.0554	111.	76-129	WG395323
Iodomethane	mg/l	.25	0.265	106.	61-148	WG395323
Methylene Chloride	mg/l	.05	0.0568	114.	64-125	WG395323
Styrene	mg/l	.05	0.0569	114.	78-130	WG395323
Tetrachloroethene	mg/l	.05	0.0520	104.	67-135	WG395323
Toluene	mg/l	.05	0.0487	97.5	72-122	WG395323
trans-1,2-Dichloroethene	mg/l	.05	0.0600	120.	67-129	WG395323
trans-1,3-Dichloropropene	mg/l	.05	0.0533	107.	66-137	WG395323
trans-1,4-Dichloro-2-butene	mg/l	.05	0.0586	117.	48-139	WG395323
Trichloroethene	mg/l	.05	0.0500	99.9	74-126	WG395323
Trichlorofluoromethane	mg/l	.05	0.0582	116.	54-156	WG395323
Vinyl acetate	mg/l	.25	0.272	109.	34-178	WG395323
Vinyl chloride	mg/l	.05	0.0537	107.	55-153	WG395323
Xylenes, Total	mg/l	.15	0.165	110.	75-128	WG395323
4-Bromofluorobenzene				104.5	75-128	WG395323
Dibromofluoromethane				108.6	79-125	WG395323
Toluene-d8				104.5	87-114	WG395323
a,a,a-Trifluorotoluene				105.0	84-114	WG395323
1,1,1,2-Tetrachloroethane	mg/l	.05	0.0652	130.	75-134	WG395335
1,1,1-Trichloroethane	mg/l	.05	0.0580	116.	67-137	WG395335
1,1,2,2-Tetrachloroethane	mg/l	.05	0.0688	138.*	72-128	WG395335
1,1,2-Trichloroethane	mg/l	.05	0.0597	119.	79-123	WG395335
1,1-Dichloroethane	mg/l	.05	0.0566	113.	67-133	WG395335
1,1-Dichloroethene	mg/l	.05	0.0477	95.4	60-130	WG395335
1,2,3-Trichloropropane	mg/l	.05	0.0684	137.*	68-130	WG395335
1,2-Dibromo-3-Chloropropane	mg/l	.05	0.0623	125.	55-134	WG395335
1,2-Dibromoethane	mg/l	.05	0.0591	118.	75-126	WG395335
1,2-Dichlorobenzene	mg/l	.05	0.0613	123.*	75-122	WG395335
1,2-Dichloroethane	mg/l	.05	0.0585	117.	63-137	WG395335
1,2-Dichloropropane	mg/l	.05	0.0601	120.	74-122	WG395335
1,4-Dichlorobenzene	mg/l	.05	0.0569	114.	70-121	WG395335
2-Butanone (MEK)	mg/l	.25	0.328	131.	53-132	WG395335
2-Hexanone	mg/l	.25	0.362	145.	56-147	WG395335
4-Methyl-2-pentanone (MIBK)	mg/l	.25	0.349	139.	60-142	WG395335
Acetone	mg/l	.25	0.400	160.*	48-134	WG395335
Acrylonitrile	mg/l	.25	0.330	132.	60-140	WG395335
Benzene	mg/l	.05	0.0524	105.	67-126	WG395335
Bromochloromethane	mg/l	.05	0.0590	118.	75-128	WG395335
Bromodichloromethane	mg/l	.05	0.0649	130.	68-133	WG395335
Bromoform	mg/l	.05	0.0624	125.	60-139	WG395335
Bromomethane	mg/l	.05	0.0454	90.8	45-175	WG395335
Carbon disulfide	mg/l	.05	0.0341	68.3	41-148	WG395335
Carbon tetrachloride	mg/l	.05	0.0525	105.	64-141	WG395335
Chlorobenzene	mg/l	.05	0.0573	115.	77-125	WG395335
Chlorodibromomethane	mg/l	.05	0.0679	136.	73-138	WG395335
Chloroethane	mg/l	.05	0.0491	98.3	49-155	WG395335
Chloroform	mg/l	.05	0.0590	118.	66-126	WG395335
Chloromethane	mg/l	.05	0.0421	84.1	45-152	WG395335
cis-1,2-Dichloroethene	mg/l	.05	0.0552	110.	72-128	WG395335
cis-1,3-Dichloropropene	mg/l	.05	0.0611	122.	73-131	WG395335

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Level II

L376126

December 04, 2008

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Dibromomethane	mg/l	.05	0.0594	119.	73-125	WG395335
Ethylbenzene	mg/l	.05	0.0571	114.	76-129	WG395335
Iodomethane	mg/l	.25	0.242	97.0	61-148	WG395335
Methylene Chloride	mg/l	.05	0.0572	114.	64-125	WG395335
Styrene	mg/l	.05	0.0621	124.	78-130	WG395335
Tetrachloroethene	mg/l	.05	0.0544	109.	67-135	WG395335
Toluene	mg/l	.05	0.0504	101.	72-122	WG395335
trans-1,2-Dichloroethene	mg/l	.05	0.0498	99.5	67-129	WG395335
trans-1,3-Dichloropropene	mg/l	.05	0.0596	119.	66-137	WG395335
trans-1,4-Dichloro-2-butene	mg/l	.05	0.0507	101.	48-139	WG395335
Trichloroethene	mg/l	.05	0.0516	103.	74-126	WG395335
Trichlorofluoromethane	mg/l	.05	0.0560	112.	54-156	WG395335
Vinyl acetate	mg/l	.25	0.305	122.	34-178	WG395335
Vinyl chloride	mg/l	.05	0.0446	89.2	55-153	WG395335
Xylenes, Total	mg/l	.15	0.170	113.	75-128	WG395335
4-Bromofluorobenzene				102.5	75-128	WG395335
Dibromofluoromethane				107.6	79-125	WG395335
Toluene-d8				101.5	87-114	WG395335
a,a,a-Trifluorotoluene				101.0	84-114	WG395335
Fluoride	mg/l	8	7.98	99.8	90-110	WG395134
2,4,5-T	mg/l	.005	0.00510	102.	30-136	WG395241
2,4,5-TP (Silvex)	mg/l	.005	0.00524	105.	33-134	WG395241
2,4-D	mg/l	.005	0.00471	94.2	24-127	WG395241
Dinoseb	mg/l	.005	0.00610	122.	28-183	WG395241
2,4-Dichlorophenyl Acetic Acid				109.8	42-112	WG395241
4,4-DDD	mg/l	.0002	0.000159	79.4	37-142	WG395162
4,4-DDE	mg/l	.0002	0.000155	77.4	33-124	WG395162
4,4-DDT	mg/l	.0002	0.000191	95.5	32-143	WG395162
Aldrin	mg/l	.0002	0.000132	66.1	25-115	WG395162
Alpha BHC	mg/l	.0002	0.000159	79.7	38-119	WG395162
Beta BHC	mg/l	.0002	0.000172	85.8	42-126	WG395162
Delta BHC	mg/l	.0002	0.000163	81.4	24-141	WG395162
Dieldrin	mg/l	.0002	0.000166	82.8	37-130	WG395162
Endosulfan I	mg/l	.0002	0.000161	80.6	37-125	WG395162
Endosulfan II	mg/l	.0002	0.000157	78.3	38-131	WG395162
Endosulfan sulfate	mg/l	.0002	0.000154	77.2	38-131	WG395162
Endrin	mg/l	.0002	0.000157	78.3	37-126	WG395162
Endrin aldehyde	mg/l	.0002	0.000144	72.0	24-154	WG395162
Gamma BHC	mg/l	.0002	0.000165	82.6	35-114	WG395162
Heptachlor	mg/l	.0002	0.000145	72.6	21-123	WG395162
Heptachlor epoxide	mg/l	.0002	0.000164	82.2	38-121	WG395162
Hexachlorobenzene	mg/l	.0002	0.000130	64.8	28-115	WG395162
Methoxychlor	mg/l	.0002	0.000168	83.9	55-150	WG395162
Decachlorobiphenyl				35.25	10-122.6	WG395162
Tetrachloro-m-xylene				28.85	15.3-114.	WG395162
Sulfide	mg/l	.5	0.513	103.	90-110	WG395427
cis-1,2-Dichloroethene	mg/l	.05	0.0501	100.	72-128	WG395544
4-Bromofluorobenzene				106.0	75-128	WG395544

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Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Dibromofluoromethane				104.5	79-125	
Toluene-d8				99.50	87-114	
a,a,a-Trifluorotoluene				101.7	84-114	
PCB 1260	mg/l	.0005	0.000446	89.2	46-126	WG395162
Decachlorobiphenyl				85.00	10-122.6	WG395162
Tetrachloro-m-xylene				70.00	15.3-114.	WG395162
1,2,4,5-Tetrachlorobenzene	ppm	.01	0.00832	83.2	39-116	WG395249
1,2,4-Trichlorobenzene	ppm	.01	0.00660	66.0	26-103	WG395249
2,4,5-Trichlorophenol	ppm	.01	0.00862	86.2	48-120	WG395249
2,4,6-Trichlorophenol	ppm	.01	0.00828	82.8	49-118	WG395249
2,4-Dichlorophenol	ppm	.01	0.00879	87.9	46-115	WG395249
2,4-Dimethylphenol	ppm	.01	0.00877	87.7	40-124	WG395249
2,4-Dinitrophenol	ppm	.01	0.00702	70.2	10-125	WG395249
2,4-Dinitrotoluene	ppm	.01	0.00787	78.7	56-128	WG395249
2,6-Dinitrotoluene	ppm	.01	0.00821	82.1	56-121	WG395249
2-Chloronaphthalene	ppm	.01	0.00711	71.1	44-110	WG395249
2-Chlorophenol	ppm	.01	0.00667	66.7	38-114	WG395249
2-Methylnaphthalene	ppm	.01	0.00688	68.8	28-122	WG395249
2-Methylphenol	ppm	.01	0.00603	60.3	42-99	WG395249
2-Nitroaniline	ppm	.01	0.00788	78.8	55-124	WG395249
2-Nitrophenol	ppm	.01	0.00860	86.0	35-118	WG395249
3&4-Methyl phenol	ppm	.01	0.00633	63.3	36-102	WG395249
3,3-Dichlorobenzidine	ppm	.01	0.00776	77.6	46-145	WG395249
3-Nitroaniline	ppm	.01	0.00881	88.1	39-141	WG395249
4,6-Dinitro-2-methylphenol	ppm	.01	0.00942	94.2	24-119	WG395249
4-Bromophenyl-phenylether	ppm	.01	0.00788	78.8	45-105	WG395249
4-Chloro-3-methylphenol	ppm	.01	0.00696	69.6	47-116	WG395249
4-Chloroaniline	ppm	.01	0.00702	70.2	21-151	WG395249
4-Chlorophenyl-phenylether	ppm	.01	0.00819	81.9	49-116	WG395249
4-Nitroaniline	ppm	.01	0.00890	89.0	43-144	WG395249
4-Nitrophenol	ppm	.01	0.00281	28.1	10-66	WG395249
Acenaphthene	ppm	.01	0.00679	67.9	48-110	WG395249
Acenaphthylene	ppm	.01	0.00706	70.6	48-113	WG395249
Acetophenone	ppm	.01	0.00665	66.5	35-98	WG395249
Anthracene	ppm	.01	0.00811	81.1	55-127	WG395249
Benzo(a)anthracene	ppm	.01	0.00849	84.9	57-115	WG395249
Benzo(a)pyrene	ppm	.01	0.00771	77.1	63-125	WG395249
Benzo(b)fluoranthene	ppm	.01	0.00620	62.0	50-123	WG395249
Benzo(g,h,i)perylene	ppm	.01	0.00574	57.4	39-143	WG395249
Benzo(k)fluoranthene	ppm	.01	0.00589	58.9	45-126	WG395249
Benzyl alcohol	ppm	.01	0.00601	60.1	33-104	WG395249
Benzylbutyl phthalate	ppm	.01	0.00665	66.5	22-154	WG395249
Bis(2-chlorethoxy)methane	ppm	.01	0.00814	81.4	42-116	WG395249
Bis(2-chloroethyl)ether	ppm	.01	0.00816	81.6	26-115	WG395249
Bis(2-chloroisopropyl)ether	ppm	.01	0.00750	75.0	32-115	WG395249
Bis(2-ethylhexyl)phthalate	ppm	.01	0.00751	75.1	47-143	WG395249
Chrysene	ppm	.01	0.00808	80.8	58-113	WG395249
Di-n-butyl phthalate	ppm	.01	0.00827	82.7	51-131	WG395249
Di-n-octyl phthalate	ppm	.01	0.00741	74.1	51-138	WG395249
Dibenz(a,h)anthracene	ppm	.01	0.00521	52.1	39-144	WG395249
Dibenzofuran	ppm	.01	0.00765	76.5	50-121	WG395249
Diethyl phthalate	ppm	.01	0.00668	66.8	36-128	WG395249
Dimethyl phthalate	ppm	.01	0.00551	55.1	10-135	WG395249
Fluoranthene	ppm	.01	0.00939	93.9	53-119	WG395249
Fluorene	ppm	.01	0.00733	73.3	49-116	WG395249
Hexachloro-1,3-butadiene	ppm	.01	0.00746	74.6	21-116	WG395249

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Level II

L376126

December 04, 2008

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Hexachlorobenzene	ppm	.01	0.00814	81.4	51-121	WG395249
Hexachlorocyclopentadiene	ppm	.01	0.00636	63.6	4-126	WG395249
Hexachloroethane	ppm	.01	0.00607	60.7	15-109	WG395249
Indeno(1,2,3-cd)pyrene	ppm	.01	0.00551	55.1	40-143	WG395249
Isophorone	ppm	.01	0.00672	67.2	48-126	WG395249
n-Nitrosodi-n-propylamine	ppm	.01	0.00834	83.4	47-122	WG395249
n-Nitrosodimethylamine	ppm	.01	0.00467	46.7	11-69	WG395249
n-Nitrosodiphenylamine	ppm	.01	0.00925	92.5	59-143	WG395249
Naphthalene	ppm	.01	0.00656	65.6	29-103	WG395249
Nitrobenzene	ppm	.01	0.00626	62.6	31-105	WG395249
Pentachlorophenol	ppm	.01	0.00943	94.3	20-122	WG395249
Phenanthrene	ppm	.01	0.00774	77.4	54-112	WG395249
Phenol	ppm	.01	0.00292	29.2	17-52	WG395249
Pyrene	ppm	.01	0.00793	79.3	46-130	WG395249
2,4,6-Tribromophenol				108.3	10-148	WG395249
2-Fluorobiphenyl				75.22	26-122	WG395249
2-Fluorophenol				47.34	10-87	WG395249
Nitrobenzene-d5				69.22	12-120	WG395249
Phenol-d5				32.55	10-67	WG395249
p-Terphenyl-d14				103.7	34-149	WG395249
Mercury	mg/l	.003	0.00266	88.7	85-115	WG395207
Cyanide	mg/l	.1	0.0905	90.5	90-110	WG395395
1,1,1,2-Tetrachloroethane	mg/l	.05	0.0523	105.	75-134	WG395791
1,1,1-Trichloroethane	mg/l	.05	0.0464	92.8	67-137	WG395791
1,1,2,2-Tetrachloroethane	mg/l	.05	0.0484	96.7	72-128	WG395791
1,1,2-Trichloroethane	mg/l	.05	0.0498	99.6	79-123	WG395791
1,1-Dichloroethane	mg/l	.05	0.0432	86.3	67-133	WG395791
1,1-Dichloroethene	mg/l	.05	0.0463	92.6	60-130	WG395791
1,1-Dichloropropene	mg/l	.05	0.0434	86.7	68-132	WG395791
1,2,3-Trichloropropane	mg/l	.05	0.0482	96.4	68-130	WG395791
1,2,4-Trichlorobenzene	mg/l	.05	0.0505	101.	65-137	WG395791
1,2-Dibromo-3-Chloropropane	mg/l	.05	0.0463	92.7	55-134	WG395791
1,2-Dibromoethane	mg/l	.05	0.0506	101.	75-126	WG395791
1,2-Dichlorobenzene	mg/l	.05	0.0466	93.2	75-122	WG395791
1,2-Dichloroethane	mg/l	.05	0.0423	84.5	63-137	WG395791
1,2-Dichloropropane	mg/l	.05	0.0449	89.9	74-122	WG395791
1,3-Dichlorobenzene	mg/l	.05	0.0525	105.	73-131	WG395791
1,3-Dichloropropane	mg/l	.05	0.0465	92.9	77-119	WG395791
1,4-Dichlorobenzene	mg/l	.05	0.0465	92.9	70-121	WG395791
2,2-Dichloropropane	mg/l	.05	0.0426	85.2	46-151	WG395791
2-Butanone (MEK)	mg/l	.25	0.216	86.5	53-132	WG395791
2-Hexanone	mg/l	.25	0.255	102.	56-147	WG395791
4-Methyl-2-pentanone (MIBK)	mg/l	.25	0.237	94.7	60-142	WG395791
Acetone	mg/l	.25	0.201	80.6	48-134	WG395791
Acrolein	mg/l	.25	0.187	74.8	6-182	WG395791
Acrylonitrile	mg/l	.25	0.201	80.6	60-140	WG395791
Allyl chloride	mg/l	.25	0.00	0.00	0-0	WG395791
Benzene	mg/l	.05	0.0428	85.6	67-126	WG395791
Bromochloromethane	mg/l	.05	0.0454	90.8	75-128	WG395791
Bromodichloromethane	mg/l	.05	0.0457	91.3	68-133	WG395791
Bromoform	mg/l	.05	0.0543	109.	60-139	WG395791
Bromomethane	mg/l	.05	0.0608	122.	45-175	WG395791

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Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Carbon disulfide	mg/l	.05	0.0385	77.0	41-148	WG395791
Carbon tetrachloride	mg/l	.05	0.0452	90.4	64-141	WG395791
Chlorobenzene	mg/l	.05	0.0504	101.	77-125	WG395791
Chlorodibromomethane	mg/l	.05	0.0510	102.	73-138	WG395791
Chloroethane	mg/l	.05	0.0551	110.	49-155	WG395791
Chloroform	mg/l	.05	0.0434	86.8	66-126	WG395791
Chloromethane	mg/l	.05	0.0429	85.7	45-152	WG395791
cis-1,2-Dichloroethene	mg/l	.05	0.0457	91.4	72-128	WG395791
cis-1,3-Dichloropropene	mg/l	.05	0.0460	92.0	73-131	WG395791
Dibromomethane	mg/l	.05	0.0458	91.5	73-125	WG395791
Dichlorodifluoromethane	mg/l	.05	0.0590	118.	39-189	WG395791
Ethylbenzene	mg/l	.05	0.0511	102.	76-129	WG395791
Iodomethane	mg/l	.25	0.243	97.0	61-148	WG395791
Methylene Chloride	mg/l	.05	0.0438	87.5	64-125	WG395791
Styrene	mg/l	.05	0.0523	105.	78-130	WG395791
Tetrachloroethene	mg/l	.05	0.0511	102.	67-135	WG395791
Toluene	mg/l	.05	0.0443	88.7	72-122	WG395791
trans-1,2-Dichloroethene	mg/l	.05	0.0467	93.4	67-129	WG395791
trans-1,3-Dichloropropene	mg/l	.05	0.0401	80.2	66-137	WG395791
trans-1,4-Dichloro-2-butene	mg/l	.05	0.0470	94.1	48-139	WG395791
Trichloroethene	mg/l	.05	0.0470	94.0	74-126	WG395791
Trichlorofluoromethane	mg/l	.05	0.0531	106.	54-156	WG395791
Vinyl acetate	mg/l	.25	0.161	64.3	34-178	WG395791
Vinyl chloride	mg/l	.05	0.0489	97.8	55-153	WG395791
Xylenes, Total	mg/l	.15	0.147	97.7	75-128	WG395791
4-Bromofluorobenzene				102.7	75-128	WG395791
Dibromofluoromethane				91.75	79-125	WG395791
Toluene-d8				95.82	87-114	WG395791
a,a,a-Trifluorotoluene				100.1	84-114	WG395791
Barium	mg/l	1.13	1.10	97.3	85-115	WG395714
Chromium	mg/l	1.13	1.08	95.6	85-115	WG395714
Cobalt	mg/l	1.13	1.16	103.	85-115	WG395714
Lead	mg/l	1.13	1.12	99.1	85-115	WG395714
Nickel	mg/l	1.13	1.04	92.0	85-115	WG395714
Silver	mg/l	1.13	1.06	93.8	85-115	WG395714
Vanadium	mg/l	1.13	1.09	96.5	85-115	WG395714
Antimony	mg/l	.0567	0.0545	96.1	85-115	WG395715
Arsenic	mg/l	.0567	0.0551	97.2	85-115	WG395715
Beryllium	mg/l	.0567	0.0530	93.5	85-115	WG395715
Cadmium	mg/l	.0567	0.0532	93.8	85-115	WG395715
Copper	mg/l	.0567	0.0545	96.1	85-115	WG395715
Lead	mg/l	.0567	0.0532	93.8	85-115	WG395715
Selenium	mg/l	.0567	0.0525	92.6	85-115	WG395715
Thallium	mg/l	.0567	0.0534	94.2	85-115	WG395715
Zinc	mg/l	.0567	0.0535	94.4	85-115	WG395715
Barium	mg/l	1.13	1.12	99.1	85-115	WG395754
Chromium	mg/l	1.13	1.12	99.1	85-115	WG395754
Cobalt	mg/l	1.13	1.18	104.	85-115	WG395754
Nickel	mg/l	1.13	1.10	97.3	85-115	WG395754
Silver	mg/l	1.13	1.15	102.	85-115	WG395754
Vanadium	mg/l	1.13	1.16	103.	85-115	WG395754

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

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Quality Assurance Report
Level II

L376126

December 04, 2008

Laboratory Control Sample Duplicate

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
1,1,1,2-Tetrachloroethane	mg/l	0.049	0.053	100.	75-134	7.39	20	WG395211
1,1,1-Trichloroethane	mg/l	0.047	0.050	95.0	67-137	6.64	20	WG395211
1,1,2,2-Tetrachloroethane	mg/l	0.051	0.054	103.	72-128	5.09	20	WG395211
1,1,2-Trichloroethane	mg/l	0.049	0.053	98.0	79-123	8.13	20	WG395211
1,1-Dichloroethane	mg/l	0.047	0.050	96.0	67-133	5.61	20	WG395211
1,1-Dichloroethene	mg/l	0.040	0.043	81.0	60-130	7.50	20	WG395211
1,1-Dichloropropene	mg/l	0.045	0.048	91.0	68-132	5.01	20	WG395211
1,2,3-Trichloropropane	mg/l	0.051	0.054	103.	68-130	6.30	20	WG395211
1,2,4-Trichlorobenzene	mg/l	0.052	0.055	106.	65-137	5.22	20	WG395211
1,2-Dibromo-3-Chloropropane	mg/l	0.054	0.057	109.	55-134	4.39	20	WG395211
1,2-Dibromoethane	mg/l	0.047	0.052	96.0	75-126	8.94	20	WG395211
1,2-Dichlorobenzene	mg/l	0.050	0.053	101.	75-122	6.74	20	WG395211
1,2-Dichloroethane	mg/l	0.046	0.048	93.0	63-137	4.76	20	WG395211
1,2-Dichloropropane	mg/l	0.050	0.052	101.	74-122	3.92	20	WG395211
1,3-Dichlorobenzene	mg/l	0.049	0.052	99.0	73-131	6.63	20	WG395211
1,3-Dichloropropane	mg/l	0.047	0.051	95.0	77-119	7.83	20	WG395211
1,4-Dichlorobenzene	mg/l	0.051	0.054	103.	70-121	6.48	20	WG395211
2,2-Dichloropropane	mg/l	0.035	0.038	71.0	46-151	8.73	20	WG395211
2-Butanone (MEK)	mg/l	0.235	0.242	94.0	53-132	3.17	20	WG395211
2-Hexanone	mg/l	0.291	0.306	116.	56-147	4.93	20	WG395211
4-Methyl-2-pentanone (MIBK)	mg/l	0.290	0.301	116.	60-142	3.63	20	WG395211
Acetone	mg/l	0.249	0.259	99.0	48-134	4.17	20	WG395211
Acrolein	mg/l	0.257	0.282	103.	6-182	9.28	39	WG395211
Acrylonitrile	mg/l	0.256	0.268	102.	60-140	4.73	20	WG395211
Allyl chloride	mg/l	0.186	0.200	75*	-	6.82*	0	WG395211
Benzene	mg/l	0.045	0.047	91.0	67-126	3.60	20	WG395211
Bromochloromethane	mg/l	0.048	0.051	98.0	75-128	4.75	20	WG395211
Bromodichloromethane	mg/l	0.051	0.054	102.	68-133	6.34	20	WG395211
Bromoform	mg/l	0.057	0.060	115.	60-139	5.50	20	WG395211
Bromomethane	mg/l	0.055	0.059	112.	45-175	6.47	20	WG395211
Carbon disulfide	mg/l	0.040	0.043	81.0	41-148	6.84	20	WG395211
Carbon tetrachloride	mg/l	0.043	0.046	87.0	64-141	5.60	20	WG395211
Chlorobenzene	mg/l	0.048	0.052	97.0	77-125	7.89	20	WG395211
Chlorodibromomethane	mg/l	0.053	0.056	106.	73-138	6.80	20	WG395211
Chloroethane	mg/l	0.043	0.047	87.0	49-155	7.62	20	WG395211
Chloroform	mg/l	0.045	0.047	90.0	66-126	5.83	20	WG395211
Chloromethane	mg/l	0.047	0.052	96.0	45-152	9.10	20	WG395211
cis-1,2-Dichloroethene	mg/l	0.046	0.049	92.0	72-128	7.53	20	WG395211
cis-1,3-Dichloropropene	mg/l	0.049	0.053	100.	73-131	7.57	20	WG395211
Dibromomethane	mg/l	0.049	0.052	99.0	73-125	5.15	20	WG395211
Dichlorodifluoromethane	mg/l	0.045	0.048	90.0	39-189	7.06	24	WG395211
Ethylbenzene	mg/l	0.046	0.051	94.0	76-129	9.01	20	WG395211
Iodomethane	mg/l	0.222	0.216	89.0	61-148	2.82	20	WG395211
Methylene Chloride	mg/l	0.041	0.043	83.0	64-125	4.64	20	WG395211
Styrene	mg/l	0.052	0.057	105.	78-130	9.01	20	WG395211
Tetrachloroethene	mg/l	0.047	0.052	94.0	67-135	10.2	20	WG395211
Toluene	mg/l	0.045	0.047	90.0	72-122	5.79	20	WG395211
trans-1,2-Dichloroethene	mg/l	0.045	0.047	90.0	67-129	5.88	20	WG395211
trans-1,3-Dichloropropene	mg/l	0.049	0.052	99.0	66-137	6.02	20	WG395211
trans-1,4-Dichloro-2-butene	mg/l	0.034	0.037	69.0	48-139	8.61	20	WG395211
Trichloroethene	mg/l	0.047	0.051	95.0	74-126	7.70	20	WG395211
Trichlorofluoromethane	mg/l	0.044	0.046	88.0	54-156	5.42	20	WG395211
Vinyl acetate	mg/l	0.225	0.239	90.0	34-178	5.81	26	WG395211
Vinyl chloride	mg/l	0.044	0.046	88.0	55-153	6.26	20	WG395211
Xylenes, Total	mg/l	0.139	0.150	92.0	75-128	7.64	20	WG395211
4-Bromofluorobenzene				99.67	75-128			WG395211
Dibromofluoromethane				95.90	79-125			WG395211
Toluene-d8				102.0	87-114			WG395211
a,a,a-Trifluorotoluene				102.6	84-114			WG395211

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Quality Assurance Report
Level II

L376126

December 04, 2008

Analyte	Units	Laboratory Control Sample Result	Ref	%Rec	Limit	Duplicate RPD	Limit	Batch
1,1,1,2-Tetrachloroethane	mg/l	0.057	0.058	116.	75-134	0.262	20	WG395323
1,1,1-Trichloroethane	mg/l	0.051	0.055	103.	67-137	6.98	20	WG395323
1,1,2,2-Tetrachloroethane	mg/l	0.051	0.053	103.	72-128	4.38	20	WG395323
1,1,2-Trichloroethane	mg/l	0.049	0.049	98.0	79-123	1.15	20	WG395323
1,1-Dichloroethane	mg/l	0.050	0.054	102.	67-133	6.42	20	WG395323
1,1-Dichloroethene	mg/l	0.048	0.052	97.0	60-130	8.70	20	WG395323
1,2,3-Trichloropropane	mg/l	0.052	0.054	104.	68-130	4.80	20	WG395323
1,2-Dibromo-3-Chloropropane	mg/l	0.047	0.050	95.0	55-134	5.20	20	WG395323
1,2-Dibromoethane	mg/l	0.050	0.053	102.	75-126	4.24	20	WG395323
1,2-Dichlorobenzene	mg/l	0.049	0.051	99.0	75-122	4.62	20	WG395323
1,2-Dichloroethane	mg/l	0.048	0.051	96.0	63-137	6.47	20	WG395323
1,2-Dichloropropane	mg/l	0.051	0.052	103.	74-122	1.53	20	WG395323
1,4-Dichlorobenzene	mg/l	0.048	0.050	97.0	70-121	4.44	20	WG395323
2-Butanone (MEK)	mg/l	0.232	0.248	93.0	53-132	6.82	20	WG395323
2-Hexanone	mg/l	0.253	0.269	101.	56-147	5.79	20	WG395323
4-Methyl-2-pentanone (MIBK)	mg/l	0.237	0.260	95.0	60-142	9.24	20	WG395323
Acetone	mg/l	0.257	0.289	103.	48-134	11.8	20	WG395323
Acrylonitrile	mg/l	0.240	0.269	96.0	60-140	11.2	20	WG395323
Benzene	mg/l	0.047	0.050	95.0	67-126	4.59	20	WG395323
Bromochloromethane	mg/l	0.052	0.055	105.	75-128	6.11	20	WG395323
Bromodichloromethane	mg/l	0.053	0.055	106.	68-133	3.51	20	WG395323
Bromoform	mg/l	0.050	0.052	101.	60-139	5.04	20	WG395323
Bromomethane	mg/l	0.048	0.051	97.0	45-175	6.95	20	WG395323
Carbon disulfide	mg/l	0.042	0.047	86.0	41-148	10.1	20	WG395323
Carbon tetrachloride	mg/l	0.048	0.052	97.0	64-141	7.61	20	WG395323
Chlorobenzene	mg/l	0.051	0.052	104.	77-125	0.551	20	WG395323
Chlorodibromomethane	mg/l	0.056	0.056	113.	73-138	0.347	20	WG395323
Chloroethane	mg/l	0.049	0.054	99.0	49-155	9.74	20	WG395323
Chloroform	mg/l	0.049	0.053	99.0	66-126	7.54	20	WG395323
Chloromethane	mg/l	0.045	0.049	91.0	45-152	8.12	20	WG395323
cis-1,2-Dichloroethene	mg/l	0.049	0.053	100.	72-128	6.86	20	WG395323
cis-1,3-Dichloropropene	mg/l	0.052	0.054	104.	73-131	4.21	20	WG395323
Dibromomethane	mg/l	0.049	0.053	99.0	73-125	7.14	20	WG395323
Ethylbenzene	mg/l	0.053	0.055	107.	76-129	3.28	20	WG395323
Iodomethane	mg/l	0.240	0.265	96.0	61-148	9.82	20	WG395323
Methylene Chloride	mg/l	0.051	0.056	103.	64-125	10.0	20	WG395323
Styrene	mg/l	0.055	0.056	111.	78-130	2.92	20	WG395323
Tetrachloroethene	mg/l	0.053	0.052	106.	67-135	2.00	20	WG395323
Toluene	mg/l	0.046	0.048	93.0	72-122	4.80	20	WG395323
trans-1,2-Dichloroethene	mg/l	0.054	0.060	109.	67-129	9.90	20	WG395323
trans-1,3-Dichloropropene	mg/l	0.049	0.053	99.0	66-137	7.83	20	WG395323
trans-1,4-Dichloro-2-butene	mg/l	0.055	0.058	110.	48-139	6.07	20	WG395323
Trichloroethene	mg/l	0.049	0.050	99.0	74-126	0.840	20	WG395323
Trichlorofluoromethane	mg/l	0.053	0.058	107.	54-156	8.12	20	WG395323
Vinyl acetate	mg/l	0.254	0.272	102.	34-178	6.99	26	WG395323
Vinyl chloride	mg/l	0.049	0.053	98.0	55-153	9.06	20	WG395323
Xylenes, Total	mg/l	0.159	0.165	106.	75-128	3.69	20	WG395323
4-Bromofluorobenzene				103.8	75-128			WG395323
Dibromofluoromethane				104.5	79-125			WG395323
Toluene-d8				101.9	87-114			WG395323
a,a,a-Trifluorotoluene				102.7	84-114			WG395323
1,1,1,2-Tetrachloroethane	mg/l	0.062	0.065	125.	75-134	4.39	20	WG395335
1,1,1-Trichloroethane	mg/l	0.052	0.058	104.	67-137	10.7	20	WG395335
1,1,2,2-Tetrachloroethane	mg/l	0.061	0.068	124.	72-128	10.6	20	WG395335
1,1,2-Trichloroethane	mg/l	0.056	0.059	112.	79-123	6.04	20	WG395335
1,1-Dichloroethane	mg/l	0.051	0.056	102.	67-133	9.84	20	WG395335

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Quality Assurance Report
Level II

L376126

December 04, 2008

Analyte	Units	Laboratory Control Sample Result	Ref	%Rec	Limit	Duplicate RPD	Limit	Batch
1,1-Dichloroethene	mg/l	0.042	0.047	84.0	60-130	12.6	20	WG395335
1,2,3-Trichloropropane	mg/l	0.060	0.068	122.	68-130	11.8	20	WG395335
1,2-Dibromo-3-Chloropropane	mg/l	0.060	0.062	120.	55-134	3.31	20	WG395335
1,2-Dibromoethane	mg/l	0.055	0.059	111.	75-126	6.11	20	WG395335
1,2-Dichlorobenzene	mg/l	0.058	0.061	116.	75-122	5.42	20	WG395335
1,2-Dichloroethane	mg/l	0.053	0.058	106.	63-137	9.65	20	WG395335
1,2-Dichloropropane	mg/l	0.054	0.060	109.	74-122	9.66	20	WG395335
1,4-Dichlorobenzene	mg/l	0.055	0.056	112.	70-121	1.82	20	WG395335
2-Butanone (MEK)	mg/l	0.304	0.328	122.	53-132	7.47	20	WG395335
2-Hexanone	mg/l	0.331	0.362	132.	56-147	9.11	20	WG395335
4-Methyl-2-pentanone (MIBK)	mg/l	0.321	0.349	128.	60-142	8.36	20	WG395335
Acetone	mg/l	0.349	0.400	140*	48-134	13.6	20	WG395335
Acrylonitrile	mg/l	0.291	0.330	116.	60-140	12.5	20	WG395335
Benzene	mg/l	0.047	0.052	96.0	67-126	9.11	20	WG395335
Bromochloromethane	mg/l	0.054	0.059	109.	75-128	8.28	20	WG395335
Bromodichloromethane	mg/l	0.059	0.064	119.	68-133	8.90	20	WG395335
Bromoform	mg/l	0.057	0.062	114.	60-139	9.01	20	WG395335
Bromomethane	mg/l	0.041	0.045	82.0	45-175	10.2	20	WG395335
Carbon disulfide	mg/l	0.029	0.034	59.0	41-148	14.2	20	WG395335
Carbon tetrachloride	mg/l	0.047	0.052	96.0	64-141	9.37	20	WG395335
Chlorobenzene	mg/l	0.053	0.057	107.	77-125	6.70	20	WG395335
Chlorodibromomethane	mg/l	0.063	0.067	127.	73-138	6.89	20	WG395335
Chloroethane	mg/l	0.042	0.049	85.0	49-155	15.0	20	WG395335
Chloroform	mg/l	0.052	0.059	106.	66-126	11.1	20	WG395335
Chloromethane	mg/l	0.037	0.042	75.0	45-152	11.9	20	WG395335
cis-1,2-Dichloroethene	mg/l	0.050	0.055	101.	72-128	8.98	20	WG395335
cis-1,3-Dichloropropene	mg/l	0.057	0.061	114.	73-131	6.55	20	WG395335
Dibromomethane	mg/l	0.054	0.059	108.	73-125	9.35	20	WG395335
Ethylbenzene	mg/l	0.054	0.057	110.	76-129	4.02	20	WG395335
Iodomethane	mg/l	0.216	0.242	87.0	61-148	11.3	20	WG395335
Methylene Chloride	mg/l	0.051	0.057	102.	64-125	11.4	20	WG395335
Styrene	mg/l	0.059	0.062	118.	78-130	4.92	20	WG395335
Tetrachloroethene	mg/l	0.049	0.054	99.0	67-135	9.22	20	WG395335
Toluene	mg/l	0.046	0.050	93.0	72-122	8.16	20	WG395335
trans-1,2-Dichloroethene	mg/l	0.045	0.049	90.0	67-129	10.1	20	WG395335
trans-1,3-Dichloropropene	mg/l	0.055	0.059	111.	66-137	6.81	20	WG395335
trans-1,4-Dichloro-2-butene	mg/l	0.046	0.050	93.0	48-139	8.35	20	WG395335
Trichloroethene	mg/l	0.047	0.051	95.0	74-126	8.29	20	WG395335
Trichlorofluoromethane	mg/l	0.049	0.056	98.0	54-156	13.2	20	WG395335
Vinyl acetate	mg/l	0.273	0.305	109.	34-178	11.0	26	WG395335
Vinyl chloride	mg/l	0.038	0.044	77.0	55-153	14.3	20	WG395335
Xylenes, Total	mg/l	0.162	0.170	108.	75-128	4.84	20	WG395335
4-Bromofluorobenzene				99.45	75-128			WG395335
Dibromofluoromethane				102.6	79-125			WG395335
Toluene-d8				98.94	87-114			WG395335
a,a,a-Trifluorotoluene				98.18	84-114			WG395335
Fluoride	mg/l	7.95	7.98	99.0	90-110	0.377	20	WG395134
2,4,5-T	mg/l	0.006	0.005	124.	30-136	19.8	31	WG395241
2,4,5-TP (Silvex)	mg/l	0.006	0.005	123.	33-134	16.1	30	WG395241
2,4-D	mg/l	0.005	0.004	111.	24-127	16.2	27	WG395241
Dinoseb	mg/l	0.007	0.006	153.	28-183	22.7	38	WG395241
2,4-Dichlorophenyl Acetic Acid				124.2*	42-112			WG395241

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4,4-DDD	mg/l	0.000	0.000	82.0	37-142	3.35	39	WG395162
4,4-DDE	mg/l	0.000	0.000	81.0	33-124	4.79	37	WG395162
4,4-DDT	mg/l	0.000	0.000	98.0	32-143	2.79	42	WG395162
Aldrin	mg/l	0.000	0.000	75.0	25-115	12.1	45	WG395162
Alpha BHC	mg/l	0.000	0.000	87.0	38-119	8.36	30	WG395162
Beta BHC	mg/l	0.000	0.000	91.0	42-126	5.50	31	WG395162
Delta BHC	mg/l	0.000	0.000	86.0	24-141	5.67	41	WG395162
Dieldrin	mg/l	0.000	0.000	86.0	37-130	4.20	36	WG395162
Endosulfan I	mg/l	0.000	0.000	85.0	37-125	5.38	35	WG395162
Endosulfan II	mg/l	0.000	0.000	82.0	38-131	4.86	36	WG395162
Endosulfan sulfate	mg/l	0.000	0.000	78.0	38-131	0.646	37	WG395162
Endrin	mg/l	0.000	0.000	78.0	37-126	0.191	37	WG395162
Endrin aldehyde	mg/l	0.000	0.000	75.0	24-154	4.02	36	WG395162
Gamma BHC	mg/l	0.000	0.000	89.0	35-114	7.01	30	WG395162
Heptachlor	mg/l	0.000	0.000	81.0	21-123	11.0	38	WG395162
Heptachlor epoxide	mg/l	0.000	0.000	86.0	38-121	4.92	33	WG395162
Hexachlorobenzene	mg/l	0.000	0.000	71.0	28-115	9.63	29	WG395162
Methoxychlor	mg/l	0.000	0.000	84.0	55-150	0.417	40	WG395162
Decachlorobiphenyl				34.90	10-122.			WG395162
Tetrachloro-m-xylene				31.40	15.3-11			WG395162
Sulfide	mg/l	0.502	0.513	100.	90-110	2.17	20	WG395427
cis-1,2-Dichloroethene	mg/l	0.048	0.050	96.0	72-128	4.10	20	WG395544
4-Bromofluorobenzene				97.22	75-128			WG395544
Dibromofluoromethane				99.93	79-125			WG395544
Toluene-d8				101.2	87-114			WG395544
a,a,a-Trifluorotoluene				103.3	84-114			WG395544
PCB 1260	mg/l	0.000	0.000	91.0	46-126	2.22	34	WG395162
Decachlorobiphenyl				85.00	10-122.			WG395162
Tetrachloro-m-xylene				80.00	15.3-11			WG395162
1,2,4,5-Tetrachlorobenzene	ppm	0.008	0.008	80.0	39-116	3.42	33	WG395249
1,2,4-Trichlorobenzene	ppm	0.006	0.006	66.0	26-103	0.303	38	WG395249
2,4,5-Trichlorophenol	ppm	0.008	0.008	83.0	48-120	3.42	29	WG395249
2,4,6-Trichlorophenol	ppm	0.007	0.008	79.0	49-118	5.33	28	WG395249
2,4-Dichlorophenol	ppm	0.008	0.008	83.0	46-115	5.98	28	WG395249
2,4-Dimethylphenol	ppm	0.008	0.008	87.0	40-124	0.572	36	WG395249
2,4-Dinitrophenol	ppm	0.006	0.007	61.0	10-125	14.5	50	WG395249
2,4-Dinitrotoluene	ppm	0.007	0.007	76.0	56-128	3.23	24	WG395249
2,6-Dinitrotoluene	ppm	0.007	0.008	76.0	56-121	7.32	23	WG395249
2-Chloronaphthalene	ppm	0.006	0.007	69.0	44-110	3.72	30	WG395249
2-Chlorophenol	ppm	0.006	0.006	60.0	38-114	9.91	36	WG395249
2-Methylnaphthalene	ppm	0.007	0.006	71.0	28-122	2.44	36	WG395249
2-Methylphenol	ppm	0.005	0.006	56.0	42-99	8.29	26	WG395249
2-Nitroaniline	ppm	0.007	0.007	73.0	55-124	7.10	22	WG395249
2-Nitrophenol	ppm	0.008	0.008	82.0	35-118	4.64	35	WG395249
3&4-Methyl phenol	ppm	0.006	0.006	61.0	36-102	4.36	31	WG395249
3,3-Dichlorobenzidine	ppm	0.007	0.007	73.0	46-145	6.38	31	WG395249
3-Nitroaniline	ppm	0.007	0.008	76.0	39-141	15.3	32	WG395249
4,6-Dinitro-2-methylphenol	ppm	0.008	0.009	87.0	24-119	8.18	50	WG395249
4-Bromophenyl-phenylether	ppm	0.007	0.007	78.0	45-105	1.15	26	WG395249
4-Chloro-3-methylphenol	ppm	0.006	0.006	69.0	47-116	0.721	22	WG395249

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

Tax I.D. 62-0814289

Est. 1970

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

Raleigh, NC 27616

Quality Assurance Report
Level II

L376126

December 04, 2008

Analyte	Units	Laboratory Control Sample Result	Ref	%Rec	Limit	Duplicate RPD	Limit	Batch
4-Chloroaniline	ppm	0.007	0.007	72.0	21-151	1.97	36	WG395249
4-Chlorophenyl-phenylether	ppm	0.007	0.008	77.0	49-116	5.91	26	WG395249
4-Nitroaniline	ppm	0.007	0.008	78.0	43-144	12.8	34	WG395249
4-Nitrophenol	ppm	0.002	0.002	26.0	10-66	7.76	37	WG395249
Acenaphthene	ppm	0.006	0.006	66.0	48-110	2.99	26	WG395249
Acenaphthylene	ppm	0.006	0.007	69.0	48-113	1.86	28	WG395249
Acetophenone	ppm	0.006	0.006	60.0	35-98	9.61	38	WG395249
Anthracene	ppm	0.007	0.008	77.0	55-127	5.84	24	WG395249
Benzo(a)anthracene	ppm	0.007	0.008	78.0	57-115	8.34	20	WG395249
Benzo(a)pyrene	ppm	0.007	0.007	71.0	63-125	8.94	22	WG395249
Benzo(b)fluoranthene	ppm	0.005	0.006	59.0	50-123	4.79	32	WG395249
Benzo(g,h,i)perylene	ppm	0.005	0.005	51.0	39-143	12.6	31	WG395249
Benzo(k)fluoranthene	ppm	0.005	0.005	53.0	45-126	9.80	37	WG395249
Benzyl alcohol	ppm	0.005	0.006	58.0	33-104	4.25	32	WG395249
Benzylbutyl phthalate	ppm	0.005	0.006	52.0	22-154	24.5	29	WG395249
Bis(2-chlorethoxy)methane	ppm	0.008	0.008	82.0	42-116	0.123	38	WG395249
Bis(2-chloroethyl)ether	ppm	0.007	0.008	74.0	26-115	10.2	50	WG395249
Bis(2-chloroisopropyl)ether	ppm	0.006	0.007	68.0	32-115	10.2	47	WG395249
Bis(2-ethylhexyl)phthalate	ppm	0.006	0.007	70.0	47-143	7.60	24	WG395249
Chrysene	ppm	0.007	0.008	73.0	58-113	9.87	21	WG395249
Di-n-butyl phthalate	ppm	0.007	0.008	78.0	51-131	6.11	22	WG395249
Di-n-octyl phthalate	ppm	0.006	0.007	66.0	51-138	11.0	22	WG395249
Dibenz(a,h)anthracene	ppm	0.004	0.005	47.0	39-144	9.66	30	WG395249
Dibenzofuran	ppm	0.007	0.007	72.0	50-121	5.92	26	WG395249
Diethyl phthalate	ppm	0.005	0.006	57.0	36-128	16.4	27	WG395249
Dimethyl phthalate	ppm	0.004	0.005	42.0	10-135	27.7	33	WG395249
Fluoranthene	ppm	0.009	0.009	90.0	53-119	3.80	28	WG395249
Fluorene	ppm	0.006	0.007	70.0	49-116	5.18	25	WG395249
Hexachloro-1,3-butadiene	ppm	0.007	0.007	74.0	21-116	0.808	50	WG395249
Hexachlorobenzene	ppm	0.008	0.008	81.0	51-121	0.864	23	WG395249
Hexachlorocyclopentadiene	ppm	0.006	0.006	60.0	4-126	5.49	50	WG395249
Hexachloroethane	ppm	0.005	0.006	54.0	15-109	11.9	50	WG395249
Indeno(1,2,3-cd)pyrene	ppm	0.004	0.005	49.0	40-143	11.7	30	WG395249
Isophorone	ppm	0.006	0.006	65.0	48-126	2.87	31	WG395249
n-Nitrosodi-n-propylamine	ppm	0.007	0.008	78.0	47-122	6.44	33	WG395249
n-Nitrosodimethylamine	ppm	0.003	0.004	37.0	11-69	23.2	50	WG395249
n-Nitrosodiphenylamine	ppm	0.008	0.009	89.0	59-143	3.74	23	WG395249
Naphthalene	ppm	0.006	0.006	65.0	29-103	0.765	45	WG395249
Nitrobenzene	ppm	0.006	0.006	61.0	31-105	3.41	43	WG395249
Pentachlorophenol	ppm	0.008	0.009	86.0	20-122	8.98	50	WG395249
Phenanthrene	ppm	0.007	0.007	77.0	54-112	1.04	22	WG395249
Phenol	ppm	0.003	0.002	33.0	17-52	11.9	33	WG395249
Pyrene	ppm	0.007	0.007	75.0	46-130	6.11	28	WG395249
2,4,6-Tribromophenol				102.7	10-148			WG395249
2-Fluorobiphenyl				72.98	26-122			WG395249
2-Fluorophenol				43.07	10-87			WG395249
Nitrobenzene-d5				68.18	12-120			WG395249
Phenol-d5				28.39	10-67			WG395249
p-Terphenyl-d14				98.49	34-149			WG395249
Cyanide	mg/l	0.091	0.090	91.0	90-110	0.551	20	WG395395
1,1,1,2-Tetrachloroethane	mg/l	0.053	0.052	107.	75-134	1.99	20	WG395791
1,1,1-Trichloroethane	mg/l	0.047	0.046	94.0	67-137	1.74	20	WG395791
1,1,2,2-Tetrachloroethane	mg/l	0.048	0.048	98.0	72-128	1.18	20	WG395791
1,1,2-Trichloroethane	mg/l	0.050	0.049	101.	79-123	1.60	20	WG395791

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Quality Assurance Report
Level II

L376126

December 04, 2008

Analyte	Units	Laboratory Control Sample Duplicate Result	Ref	%Rec	Limit	RPD	Limit	Batch
1,1-Dichloroethane	mg/l	0.044	0.043	89.0	67-133	3.04	20	WG395791
1,1-Dichloroethene	mg/l	0.047	0.046	94.0	60-130	2.01	20	WG395791
1,1-Dichloropropene	mg/l	0.044	0.043	88.0	68-132	1.74	20	WG395791
1,2,3-Trichloropropane	mg/l	0.047	0.048	94.0	68-130	2.07	20	WG395791
1,2,4-Trichlorobenzene	mg/l	0.053	0.050	107.	65-137	5.79	20	WG395791
1,2-Dibromo-3-Chloropropane	mg/l	0.047	0.046	95.0	55-134	2.31	20	WG395791
1,2-Dibromoethane	mg/l	0.050	0.050	100.	75-126	0.838	20	WG395791
1,2-Dichlorobenzene	mg/l	0.048	0.046	96.0	75-122	3.15	20	WG395791
1,2-Dichloroethane	mg/l	0.042	0.042	86.0	63-137	1.55	20	WG395791
1,2-Dichloropropane	mg/l	0.045	0.044	91.0	74-122	1.58	20	WG395791
1,3-Dichlorobenzene	mg/l	0.053	0.052	106.	73-131	1.33	20	WG395791
1,3-Dichloropropane	mg/l	0.047	0.046	95.0	77-119	1.85	20	WG395791
1,4-Dichlorobenzene	mg/l	0.047	0.046	96.0	70-121	2.96	20	WG395791
2,2-Dichloropropane	mg/l	0.043	0.042	87.0	46-151	2.48	20	WG395791
2-Butanone (MEK)	mg/l	0.216	0.216	86.0	53-132	0.212	20	WG395791
2-Hexanone	mg/l	0.258	0.255	103.	56-147	1.35	20	WG395791
4-Methyl-2-pentanone (MIBK)	mg/l	0.242	0.237	97.0	60-142	2.13	20	WG395791
Acetone	mg/l	0.205	0.201	82.0	48-134	1.72	20	WG395791
Acrolein	mg/l	0.180	0.187	72.0	6-182	4.06	39	WG395791
Acrylonitrile	mg/l	0.203	0.201	81.0	60-140	0.935	20	WG395791
Allyl chloride	mg/l	0.00	0.00	0*	-	0.00	0	WG395791
Benzene	mg/l	0.044	0.042	88.0	67-126	2.69	20	WG395791
Bromochloromethane	mg/l	0.046	0.045	94.0	75-128	3.18	20	WG395791
Bromodichloromethane	mg/l	0.047	0.045	94.0	68-133	2.97	20	WG395791
Bromoform	mg/l	0.056	0.054	112.	60-139	3.13	20	WG395791
Bromomethane	mg/l	0.060	0.060	120.	45-175	1.45	20	WG395791
Carbon disulfide	mg/l	0.039	0.038	78.0	41-148	1.39	20	WG395791
Carbon tetrachloride	mg/l	0.046	0.045	92.0	64-141	1.90	20	WG395791
Chlorobenzene	mg/l	0.051	0.050	102.	77-125	1.06	20	WG395791
Chlorodibromomethane	mg/l	0.051	0.051	103.	73-138	1.17	20	WG395791
Chloroethane	mg/l	0.056	0.055	112.	49-155	1.71	20	WG395791
Chloroform	mg/l	0.044	0.043	89.0	66-126	2.47	20	WG395791
Chloromethane	mg/l	0.042	0.042	85.0	45-152	0.424	20	WG395791
cis-1,2-Dichloroethene	mg/l	0.047	0.045	94.0	72-128	2.80	20	WG395791
cis-1,3-Dichloropropene	mg/l	0.047	0.046	95.0	73-131	3.34	20	WG395791
Dibromomethane	mg/l	0.047	0.045	96.0	73-125	4.43	20	WG395791
Dichlorodifluoromethane	mg/l	0.059	0.059	119.	39-189	0.800	24	WG395791
Ethylbenzene	mg/l	0.053	0.051	106.	76-129	4.10	20	WG395791
Iodomethane	mg/l	0.247	0.243	99.0	61-148	1.60	20	WG395791
Methylene Chloride	mg/l	0.044	0.043	89.0	64-125	2.20	20	WG395791
Styrene	mg/l	0.053	0.052	107.	78-130	1.94	20	WG395791
Tetrachloroethene	mg/l	0.052	0.051	105.	67-135	2.57	20	WG395791
Toluene	mg/l	0.045	0.044	91.0	72-122	3.04	20	WG395791
trans-1,2-Dichloroethene	mg/l	0.047	0.046	95.0	67-129	1.67	20	WG395791
trans-1,3-Dichloropropene	mg/l	0.041	0.040	84.0	66-137	4.32	20	WG395791
trans-1,4-Dichloro-2-butene	mg/l	0.048	0.047	96.0	48-139	2.07	20	WG395791
Trichloroethene	mg/l	0.047	0.047	94.0	74-126	0.550	20	WG395791
Trichlorofluoromethane	mg/l	0.053	0.053	108.	54-156	1.50	20	WG395791
Vinyl acetate	mg/l	0.167	0.161	67.0	34-178	3.87	26	WG395791
Vinyl chloride	mg/l	0.049	0.048	99.0	55-153	1.10	20	WG395791
Xylenes, Total	mg/l	0.152	0.147	102.	75-128	3.98	20	WG395791
4-Bromofluorobenzene				103.4	75-128			WG395791
Dibromofluoromethane				93.38	79-125			WG395791
Toluene-d8				95.45	87-114			WG395791
a,a,a-Trifluorotoluene				100.1	84-114			WG395791

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Quality Assurance Report
Level II

L376126

December 04, 2008

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
1,1,1,2-Tetrachloroethane	mg/l	0.047	0.00	.05	94.3	45-152	L375974-01	WG395211
1,1,1-Trichloroethane	mg/l	0.044	0.00	.05	88.5	31-161	L375974-01	WG395211
1,1,2,2-Tetrachloroethane	mg/l	0.052	0.00	.05	105.	49-149	L375974-01	WG395211
1,1,2-Trichloroethane	mg/l	0.048	0.00	.05	96.0	46-145	L375974-01	WG395211
1,1-Dichloroethane	mg/l	0.044	0.00	.05	88.9	30-159	L375974-01	WG395211
1,1-Dichloroethene	mg/l	0.036	0.00	.05	73.4	10-162	L375974-01	WG395211
1,1-Dichloropropene	mg/l	0.040	0.00	.05	80.9	14-162	L375974-01	WG395211
1,2,3-Trichloropropane	mg/l	0.052	0.00	.05	105.	48-148	L375974-01	WG395211
1,2,4-Trichlorobenzene	mg/l	0.051	0.00	.05	103.	27-142	L375974-01	WG395211
1,2-Dibromo-3-Chloropropane	mg/l	0.057	0.00	.05	115.	37-148	L375974-01	WG395211
1,2-Dibromoethane	mg/l	0.045	0.00	.05	91.1	41-149	L375974-01	WG395211
1,2-Dichlorobenzene	mg/l	0.047	0.00	.05	95.7	40-139	L375974-01	WG395211
1,2-Dichloroethane	mg/l	0.043	0.00	.05	87.9	29-167	L375974-01	WG395211
1,2-Dichloropropane	mg/l	0.046	0.00	.05	91.9	39-148	L375974-01	WG395211
1,3-Dichlorobenzene	mg/l	0.046	0.00	.05	92.7	32-148	L375974-01	WG395211
1,3-Dichloropropane	mg/l	0.044	0.00	.05	89.8	44-142	L375974-01	WG395211
1,4-Dichlorobenzene	mg/l	0.049	0.00	.05	98.9	32-136	L375974-01	WG395211
2,2-Dichloropropane	mg/l	0.035	0.00	.05	70.1	14-158	L375974-01	WG395211
2-Butanone (MEK)	mg/l	0.214	0.00	.25	85.7	32-151	L375974-01	WG395211
2-Hexanone	mg/l	0.269	0.00	.25	108.	41-155	L375974-01	WG395211
4-Methyl-2-pentanone (MIBK)	mg/l	0.265	0.00	.25	106.	40-160	L375974-01	WG395211
Acetone	mg/l	0.231	0.086	.25	57.8	25-157	L375974-01	WG395211
Acrolein	mg/l	0.203	0.00	.25	81.3	0-179	L375974-01	WG395211
Acrylonitrile	mg/l	0.260	0.00	.25	104.	37-162	L375974-01	WG395211
Allyl chloride	mg/l	0.135	0.00	.25	53.8*	0-0	L375974-01	WG395211
Benzene	mg/l	0.040	0.00	.05	81.6	16-158	L375974-01	WG395211
Bromochloromethane	mg/l	0.044	0.00	.05	89.2	36-154	L375974-01	WG395211
Bromodichloromethane	mg/l	0.047	0.00	.05	95.8	45-147	L375974-01	WG395211
Bromoform	mg/l	0.056	0.00	.05	112.	38-152	L375974-01	WG395211
Bromomethane	mg/l	0.049	0.00	.05	99.6	0-191	L375974-01	WG395211
Carbon disulfide	mg/l	0.029	0.00	.05	58.3	10-166	L375974-01	WG395211
Carbon tetrachloride	mg/l	0.040	0.00	.05	80.0	22-168	L375974-01	WG395211
Chlorobenzene	mg/l	0.045	0.00	.05	90.7	33-148	L375974-01	WG395211
Chlorodibromomethane	mg/l	0.050	0.00	.05	102.	48-151	L375974-01	WG395211
Chloroethane	mg/l	0.039	0.00	.05	79.3	4-176	L375974-01	WG395211
Chloroform	mg/l	0.042	0.00	.05	85.2	37-147	L375974-01	WG395211
Chloromethane	mg/l	0.042	0.00	.05	83.9	10-174	L375974-01	WG395211
cis-1,2-Dichloroethene	mg/l	0.042	0.00	.05	85.6	29-156	L375974-01	WG395211
cis-1,3-Dichloropropene	mg/l	0.046	0.00	.05	93.2	35-148	L375974-01	WG395211
Dibromomethane	mg/l	0.044	0.00	.05	89.8	36-152	L375974-01	WG395211
Dichlorodifluoromethane	mg/l	0.040	0.00	.05	80.8	0-200	L375974-01	WG395211
Ethylbenzene	mg/l	0.042	0.00	.05	85.4	29-150	L375974-01	WG395211
Iodomethane	mg/l	0.190	0.00	.25	76.1	9-169	L375974-01	WG395211
Methylene Chloride	mg/l	0.037	0.00	.05	74.9	23-151	L375974-01	WG395211
Styrene	mg/l	0.048	0.00	.05	96.4	38-149	L375974-01	WG395211
Tetrachloroethene	mg/l	0.041	0.00	.05	83.4	13-157	L375974-01	WG395211
Toluene	mg/l	0.040	0.00	.05	81.0	22-152	L375974-01	WG395211
trans-1,2-Dichloroethene	mg/l	0.040	0.00	.05	80.5	11-160	L375974-01	WG395211
trans-1,3-Dichloropropene	mg/l	0.046	0.00	.05	92.3	33-153	L375974-01	WG395211
trans-1,4-Dichloro-2-butene	mg/l	0.045	0.00	.05	91.5	19-151	L375974-01	WG395211
Trichloroethene	mg/l	0.042	0.00	.05	85.0	18-163	L375974-01	WG395211
Trichlorofluoromethane	mg/l	0.038	0.00	.05	77.1	10-177	L375974-01	WG395211
Vinyl acetate	mg/l	0.244	0.00	.25	97.4	0-196	L375974-01	WG395211
Vinyl chloride	mg/l	0.037	0.00	.05	74.7	0-179	L375974-01	WG395211
Xylenes, Total	mg/l	0.126	0.00	.15	83.8	27-151	L375974-01	WG395211
4-Bromofluorobenzene					99.98	75-128		WG395211
Dibromofluoromethane					95.60	79-125		WG395211
Toluene-d8					101.2	87-114		WG395211
a,a,a-Trifluorotoluene					103.7	84-114		WG395211

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SCIENCE CORP.

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

Tax I.D. 62-0814289

Est. 1970

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

Raleigh, NC 27616

Quality Assurance Report
Level II

L376126

December 04, 2008

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
1,1,1,2-Tetrachloroethane	mg/l	0.052	0.00	.05	106.	45-152	L375877-01	WG395335
1,1,1-Trichloroethane	mg/l	0.046	0.00	.05	93.2	31-161	L375877-01	WG395335
1,1,2,2-Tetrachloroethane	mg/l	0.053	0.00	.05	107.	49-149	L375877-01	WG395335
1,1,2-Trichloroethane	mg/l	0.047	0.00	.05	95.7	46-145	L375877-01	WG395335
1,1-Dichloroethane	mg/l	0.047	0.00	.05	94.7	30-159	L375877-01	WG395335
1,1-Dichloroethene	mg/l	0.042	0.00	.05	84.1	10-162	L375877-01	WG395335
1,2,3-Trichloropropane	mg/l	0.054	0.00	.05	108.	48-148	L375877-01	WG395335
1,2-Dibromo-3-Chloropropane	mg/l	0.050	0.00	.05	101.	37-148	L375877-01	WG395335
1,2-Dibromoethane	mg/l	0.050	0.00	.05	100.	41-149	L375877-01	WG395335
1,2-Dichlorobenzene	mg/l	0.045	0.00	.05	90.8	40-139	L375877-01	WG395335
1,2-Dichloroethane	mg/l	0.049	0.00	.05	98.2	29-167	L375877-01	WG395335
1,2-Dichloropropane	mg/l	0.047	0.00	.05	94.6	39-148	L375877-01	WG395335
1,4-Dichlorobenzene	mg/l	0.041	0.00	.05	83.4	32-136	L375877-01	WG395335
2-Butanone (MEK)	mg/l	0.239	0.00	.25	95.8	32-151	L375877-01	WG395335
2-Hexanone	mg/l	0.259	0.00	.25	104.	41-155	L375877-01	WG395335
4-Methyl-2-pentanone (MIBK)	mg/l	0.243	0.00	.25	97.2	40-160	L375877-01	WG395335
Acetone	mg/l	0.280	0.00	.25	112.	25-157	L375877-01	WG395335
Acrylonitrile	mg/l	0.259	0.00	.25	104.	37-162	L375877-01	WG395335
Benzene	mg/l	0.044	0.00	.05	89.0	16-158	L375877-01	WG395335
Bromochloromethane	mg/l	0.051	0.00	.05	102.	36-154	L375877-01	WG395335
Bromodichloromethane	mg/l	0.051	0.00	.05	103.	45-147	L375877-01	WG395335
Bromoform	mg/l	0.050	0.00	.05	100.	38-152	L375877-01	WG395335
Bromomethane	mg/l	0.040	0.00	.05	81.8	0-191	L375877-01	WG395335
Carbon disulfide	mg/l	0.036	0.00	.05	72.6	10-166	L375877-01	WG395335
Carbon tetrachloride	mg/l	0.043	0.00	.05	86.9	22-168	L375877-01	WG395335
Chlorobenzene	mg/l	0.044	0.00	.05	89.0	33-148	L375877-01	WG395335
Chlorodibromomethane	mg/l	0.053	0.00	.05	107.	48-151	L375877-01	WG395335
Chloroethane	mg/l	0.042	0.00	.05	85.6	4-176	L375877-01	WG395335
Chloroform	mg/l	0.047	0.00	.05	95.6	37-147	L375877-01	WG395335
Chloromethane	mg/l	0.040	0.00	.05	81.9	10-174	L375877-01	WG395335
cis-1,2-Dichloroethene	mg/l	0.048	0.00	.05	96.3	29-156	L375877-01	WG395335
cis-1,3-Dichloropropene	mg/l	0.047	0.00	.05	95.6	35-148	L375877-01	WG395335
Dibromomethane	mg/l	0.050	0.00	.05	100.	36-152	L375877-01	WG395335
Ethylbenzene	mg/l	0.044	0.00	.05	89.5	29-150	L375877-01	WG395335
Iodomethane	mg/l	0.224	0.00	.25	89.7	9-169	L375877-01	WG395335
Methylene Chloride	mg/l	0.048	0.00	.05	97.5	23-151	L375877-01	WG395335
Styrene	mg/l	0.046	0.00	.05	92.5	38-149	L375877-01	WG395335
Tetrachloroethene	mg/l	0.044	0.00	.05	88.4	13-157	L375877-01	WG395335
Toluene	mg/l	0.040	0.00	.05	80.6	22-152	L375877-01	WG395335
trans-1,2-Dichloroethene	mg/l	0.046	0.00	.05	92.0	11-160	L375877-01	WG395335
trans-1,3-Dichloropropene	mg/l	0.046	0.00	.05	92.1	33-153	L375877-01	WG395335
trans-1,4-Dichloro-2-butene	mg/l	0.052	0.00	.05	105.	19-151	L375877-01	WG395335
Trichloroethene	mg/l	0.043	0.00	.05	87.4	18-163	L375877-01	WG395335
Trichlorofluoromethane	mg/l	0.047	0.00	.05	94.7	10-177	L375877-01	WG395335
Vinyl acetate	mg/l	0.254	0.00	.25	101.	0-196	L375877-01	WG395335
Vinyl chloride	mg/l	0.042	0.00	.05	84.0	0-179	L375877-01	WG395335
Xylenes, Total	mg/l	0.132	0.00	.15	87.8	27-151	L375877-01	WG395335
4-Bromofluorobenzene					102.0	75-128		WG395335
Dibromofluoromethane					108.4	79-125		WG395335
Toluene-d8					98.61	87-114		WG395335
a,a,a-Trifluorotoluene					99.22	84-114		WG395335
1,1,1,2-Tetrachloroethane	mg/l	0.049	0.00	.05	99.3	45-152	L376126-01	WG395323
1,1,1-Trichloroethane	mg/l	0.051	0.00	.05	104.	31-161	L376126-01	WG395323
1,1,2,2-Tetrachloroethane	mg/l	0.049	0.00	.05	98.2	49-149	L376126-01	WG395323
1,1,2-Trichloroethane	mg/l	0.045	0.00	.05	90.1	46-145	L376126-01	WG395323
1,1-Dichloroethane	mg/l	0.052	0.00	.05	104.	30-159	L376126-01	WG395323

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Quality Assurance Report
Level II

L376126

December 04, 2008

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
1,1-Dichloroethene	mg/l	0.050	0.00	.05	101.	10-162	L376126-01	WG395323
1,2,3-Trichloropropane	mg/l	0.049	0.00	.05	99.2	48-148	L376126-01	WG395323
1,2-Dibromo-3-Chloropropane	mg/l	0.049	0.00	.05	98.7	37-148	L376126-01	WG395323
1,2-Dibromoethane	mg/l	0.048	0.00	.05	96.6	41-149	L376126-01	WG395323
1,2-Dichlorobenzene	mg/l	0.044	0.00	.05	89.7	40-139	L376126-01	WG395323
1,2-Dichloroethane	mg/l	0.049	0.00	.05	98.9	29-167	L376126-01	WG395323
1,2-Dichloropropane	mg/l	0.050	0.00	.05	102.	39-148	L376126-01	WG395323
1,4-Dichlorobenzene	mg/l	0.044	0.00	.05	89.1	32-136	L376126-01	WG395323
2-Butanone (MEK)	mg/l	0.242	0.00	.25	97.0	32-151	L376126-01	WG395323
2-Hexanone	mg/l	0.251	0.00	.25	100.	41-155	L376126-01	WG395323
4-Methyl-2-pentanone (MIBK)	mg/l	0.281	0.00	.25	113.	40-160	L376126-01	WG395323
Acetone	mg/l	0.296	0.00	.25	119.	25-157	L376126-01	WG395323
Acrylonitrile	mg/l	0.283	0.00	.25	113.	37-162	L376126-01	WG395323
Benzene	mg/l	0.046	0.00	.05	92.1	16-158	L376126-01	WG395323
Bromochloromethane	mg/l	0.056	0.00	.05	112.	36-154	L376126-01	WG395323
Bromodichloromethane	mg/l	0.052	0.00	.05	104.	45-147	L376126-01	WG395323
Bromoform	mg/l	0.046	0.00	.05	93.2	38-152	L376126-01	WG395323
Bromomethane	mg/l	0.048	0.00	.05	97.0	0-191	L376126-01	WG395323
Carbon disulfide	mg/l	0.044	0.00	.05	88.0	10-166	L376126-01	WG395323
Carbon tetrachloride	mg/l	0.049	0.00	.05	99.0	22-168	L376126-01	WG395323
Chlorobenzene	mg/l	0.045	0.00	.05	90.8	33-148	L376126-01	WG395323
Chlorodibromomethane	mg/l	0.050	0.00	.05	100.	48-151	L376126-01	WG395323
Chloroethane	mg/l	0.050	0.00	.05	102.	4-176	L376126-01	WG395323
Chloroform	mg/l	0.051	0.00	.05	103.	37-147	L376126-01	WG395323
Chloromethane	mg/l	0.048	0.00	.05	96.7	10-174	L376126-01	WG395323
cis-1,2-Dichloroethene	mg/l	0.053	0.000	.05	104.	29-156	L376126-01	WG395323
cis-1,3-Dichloropropene	mg/l	0.052	0.00	.05	106.	35-148	L376126-01	WG395323
Dibromomethane	mg/l	0.051	0.00	.05	103.	36-152	L376126-01	WG395323
Ethylbenzene	mg/l	0.047	0.00	.05	95.0	29-150	L376126-01	WG395323
Iodomethane	mg/l	0.253	0.00	.25	101.	9-169	L376126-01	WG395323
Methylene Chloride	mg/l	0.054	0.00	.05	108.	23-151	L376126-01	WG395323
Styrene	mg/l	0.048	0.00	.05	96.2	38-149	L376126-01	WG395323
Tetrachloroethene	mg/l	0.044	0.00	.05	88.6	13-157	L376126-01	WG395323
Toluene	mg/l	0.047	0.00	.05	94.7	22-152	L376126-01	WG395323
trans-1,2-Dichloroethene	mg/l	0.053	0.00	.05	108.	11-160	L376126-01	WG395323
trans-1,3-Dichloropropene	mg/l	0.054	0.00	.05	108.	33-153	L376126-01	WG395323
trans-1,4-Dichloro-2-butene	mg/l	0.051	0.00	.05	104.	19-151	L376126-01	WG395323
Trichloroethene	mg/l	0.045	0.00	.05	90.0	18-163	L376126-01	WG395323
Trichlorofluoromethane	mg/l	0.056	0.00	.05	112.	10-177	L376126-01	WG395323
Vinyl acetate	mg/l	0.271	0.00	.25	109.	0-196	L376126-01	WG395323
Vinyl chloride	mg/l	0.050	0.00	.05	101.	0-179	L376126-01	WG395323
Xylenes, Total	mg/l	0.140	0.00	.15	93.2	27-151	L376126-01	WG395323
4-Bromofluorobenzene					100.6	75-128		WG395323
Dibromofluoromethane					116.0	79-125		WG395323
Toluene-d8					115.8*	87-114		WG395323
a,a,a-Trifluorotoluene					106.7	84-114		WG395323
Fluoride	mg/l	4.91	0.00	5	98.2	80-120	L376143-03	WG395134
Sulfide	mg/l	0.961	0.00	1	96.1	90-110	L376380-20	WG395427
cis-1,2-Dichloroethene	mg/l	0.050	0.004	.05	90.9	29-156	L376380-01	WG395544
4-Bromofluorobenzene					102.3	75-128		WG395544
Dibromofluoromethane					108.9	79-125		WG395544
Toluene-d8					103.2	87-114		WG395544

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S&ME Inc. - Raleigh NC
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Raleigh, NC 27616

Quality Assurance Report
Level II

L376126

December 04, 2008

Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
		Matrix Spike						
a,a,a-Trifluorotoluene					102.8	84-114		
Mercury	mg/l	0.002	0.00	.003	80.0	70-130	L376211-03	WG395207
Cyanide	mg/l	0.016	0.00	.2	8.40*	90-110	L376249-02	WG395395
Cyanide	mg/l	0.217	0.00	.2	109.	90-110	L376431-01	WG395395
Mercury	mg/l	0.002	0.00	.003	83.7	70-130	L376099-16	WG395204
1,1,1,2-Tetrachloroethane	mg/l	0.050	0.00	.05	102.	45-152	L376348-01	WG395791
1,1,1-Trichloroethane	mg/l	0.045	0.00	.05	90.1	31-161	L376348-01	WG395791
1,1,2,2-Tetrachloroethane	mg/l	0.049	0.00	.05	98.1	49-149	L376348-01	WG395791
1,1,2-Trichloroethane	mg/l	0.049	0.00	.05	98.3	46-145	L376348-01	WG395791
1,1-Dichloroethane	mg/l	0.042	0.00	.05	84.8	30-159	L376348-01	WG395791
1,1-Dichloroethene	mg/l	0.045	0.00	.05	91.2	10-162	L376348-01	WG395791
1,1-Dichloropropene	mg/l	0.043	0.00	.05	86.4	14-162	L376348-01	WG395791
1,2,3-Trichloropropane	mg/l	0.049	0.00	.05	98.9	48-148	L376348-01	WG395791
1,2,4-Trichlorobenzene	mg/l	0.051	0.00	.05	103.	27-142	L376348-01	WG395791
1,2-Dibromo-3-Chloropropane	mg/l	0.054	0.00	.05	109.	37-148	L376348-01	WG395791
1,2-Dibromoethane	mg/l	0.049	0.00	.05	98.4	41-149	L376348-01	WG395791
1,2-Dichlorobenzene	mg/l	0.046	0.00	.05	93.5	40-139	L376348-01	WG395791
1,2-Dichloroethane	mg/l	0.042	0.00	.05	84.0	29-167	L376348-01	WG395791
1,2-Dichloropropane	mg/l	0.043	0.00	.05	86.2	39-148	L376348-01	WG395791
1,3-Dichlorobenzene	mg/l	0.050	0.00	.05	101.	32-148	L376348-01	WG395791
1,3-Dichloropropane	mg/l	0.046	0.00	.05	92.9	44-142	L376348-01	WG395791
1,4-Dichlorobenzene	mg/l	0.046	0.00	.05	93.7	32-136	L376348-01	WG395791
2,2-Dichloropropane	mg/l	0.042	0.00	.05	85.1	14-158	L376348-01	WG395791
2-Butanone (MEK)	mg/l	0.229	0.00	.25	91.7	32-151	L376348-01	WG395791
2-Hexanone	mg/l	0.271	0.00	.25	109.	41-155	L376348-01	WG395791
4-Methyl-2-pentanone (MIBK)	mg/l	0.256	0.00	.25	102.	40-160	L376348-01	WG395791
Acetone	mg/l	0.210	0.00	.25	83.8	25-157	L376348-01	WG395791
Acrolein	mg/l	0.174	0.00	.25	69.4	0-179	L376348-01	WG395791
Acrylonitrile	mg/l	0.218	0.00	.25	87.3	37-162	L376348-01	WG395791
Allyl chloride	mg/l	0.00	0.00	.25	0.00	0-0	L376348-01	WG395791
Benzene	mg/l	0.042	0.00	.05	84.6	16-158	L376348-01	WG395791
Bromochloromethane	mg/l	0.044	0.00	.05	88.7	36-154	L376348-01	WG395791
Bromodichloromethane	mg/l	0.046	0.00	.05	93.1	45-147	L376348-01	WG395791
Bromoform	mg/l	0.055	0.00	.05	110.	38-152	L376348-01	WG395791
Bromomethane	mg/l	0.057	0.00	.05	115.	0-191	L376348-01	WG395791
Carbon disulfide	mg/l	0.037	0.00	.05	75.2	10-166	L376348-01	WG395791
Carbon tetrachloride	mg/l	0.044	0.00	.05	89.2	22-168	L376348-01	WG395791
Chlorobenzene	mg/l	0.048	0.00	.05	97.3	33-148	L376348-01	WG395791
Chlorodibromomethane	mg/l	0.049	0.00	.05	99.5	48-151	L376348-01	WG395791
Chloroethane	mg/l	0.053	0.00	.05	107.	4-176	L376348-01	WG395791
Chloroform	mg/l	0.043	0.00	.05	86.8	37-147	L376348-01	WG395791
Chloromethane	mg/l	0.041	0.00	.05	83.4	10-174	L376348-01	WG395791
cis-1,2-Dichloroethene	mg/l	0.045	0.00	.05	90.2	29-156	L376348-01	WG395791
cis-1,3-Dichloropropene	mg/l	0.046	0.00	.05	92.4	35-148	L376348-01	WG395791
Dibromomethane	mg/l	0.047	0.00	.05	95.5	36-152	L376348-01	WG395791
Dichlorodifluoromethane	mg/l	0.055	0.00	.05	112.	0-200	L376348-01	WG395791
Ethylbenzene	mg/l	0.050	0.00	.05	100.	29-150	L376348-01	WG395791
Iodomethane	mg/l	0.239	0.00	.25	95.5	9-169	L376348-01	WG395791
Methylene Chloride	mg/l	0.042	0.00	.05	85.7	23-151	L376348-01	WG395791
Styrene	mg/l	0.048	0.00	.05	97.8	38-149	L376348-01	WG395791
Tetrachloroethene	mg/l	0.059	0.009	.05	100.	13-157	L376348-01	WG395791
Toluene	mg/l	0.044	0.00	.05	88.2	22-152	L376348-01	WG395791

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(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

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

Raleigh, NC 27616

Quality Assurance Report
Level II

L376126

December 04, 2008

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
trans-1,2-Dichloroethene	mg/l	0.045	0.00	.05	91.2	11-160	L376348-01	WG395791
trans-1,3-Dichloropropene	mg/l	0.040	0.00	.05	81.7	33-153	L376348-01	WG395791
trans-1,4-Dichloro-2-butene	mg/l	0.048	0.00	.05	97.5	19-151	L376348-01	WG395791
Trichloroethene	mg/l	0.046	0.00	.05	93.8	18-163	L376348-01	WG395791
Trichlorofluoromethane	mg/l	0.050	0.00	.05	101.	10-177	L376348-01	WG395791
Vinyl acetate	mg/l	0.181	0.00	.25	72.3	0-196	L376348-01	WG395791
Vinyl chloride	mg/l	0.047	0.00	.05	95.8	0-179	L376348-01	WG395791
Xylenes, Total	mg/l	0.144	0.00	.15	96.0	27-151	L376348-01	WG395791
4-Bromofluorobenzene					99.70	75-128		WG395791
Dibromofluoromethane					91.40	79-125		WG395791
Toluene-d8					95.68	87-114		WG395791
a,a,a-Trifluorotoluene					101.4	84-114		WG395791
Barium	mg/l	1.12	0.038	1.13	95.8	75-125	L376126-07	WG395714
Chromium	mg/l	1.05	0.00	1.13	92.9	75-125	L376126-07	WG395714
Cobalt	mg/l	1.14	0.005	1.13	100.	75-125	L376126-07	WG395714
Lead	mg/l	1.10	0.003	1.13	97.1	75-125	L376126-07	WG395714
Nickel	mg/l	1.04	0.00	1.13	92.0	75-125	L376126-07	WG395714
Silver	mg/l	0.203	0.00	1.13	18.0*	75-125	L376126-07	WG395714
Vanadium	mg/l	1.06	0.00	1.13	93.8	75-125	L376126-07	WG395714
Antimony	mg/l	0.057	0.000	.056	100.	75-125	L376190-02	WG395715
Arsenic	mg/l	0.055	0.002	.056	93.8	75-125	L376190-02	WG395715
Beryllium	mg/l	0.050	0.000	.056	88.0	75-125	L376190-02	WG395715
Cadmium	mg/l	0.055	0.000	.056	96.5	75-125	L376190-02	WG395715
Copper	mg/l	0.052	0.003	.056	87.5	75-125	L376190-02	WG395715
Lead	mg/l	0.054	0.003	.056	88.8	75-125	L376190-02	WG395715
Selenium	mg/l	0.058	0.004	.056	94.6	75-125	L376190-02	WG395715
Thallium	mg/l	0.050	0.000	.056	88.4	75-125	L376190-02	WG395715
Zinc	mg/l	0.061	0.007	.056	94.5	75-125	L376190-02	WG395715
Barium	mg/l	1.13	0.009	1.13	99.1	75-125	L376190-08	WG395754
Chromium	mg/l	1.12	0.00	1.13	99.1	75-125	L376190-08	WG395754
Cobalt	mg/l	1.15	0.00	1.13	102.	75-125	L376190-08	WG395754
Nickel	mg/l	1.09	0.00	1.13	96.5	75-125	L376190-08	WG395754
Silver	mg/l	0.620	0.00	1.13	54.9*	75-125	L376190-08	WG395754
Vanadium	mg/l	1.16	0.000	1.13	103.	75-125	L376190-08	WG395754

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
1,1,1,2-Tetrachloroethane	mg/l	0.04	0.04	92.3	45-152	2.24	21	L375974-01	WG395211
1,1,1-Trichloroethane	mg/l	0.04	0.04	85.9	31-161	3.02	23	L375974-01	WG395211
1,1,2,2-Tetrachloroethane	mg/l	0.05	0.05	101.	49-149	4.10	22	L375974-01	WG395211
1,1,2-Trichloroethane	mg/l	0.04	0.04	94.5	46-145	1.54	20	L375974-01	WG395211
1,1-Dichloroethane	mg/l	0.04	0.04	86.5	30-159	2.76	21	L375974-01	WG395211
1,1-Dichloroethene	mg/l	0.03	0.03	72.5	10-162	1.21	23	L375974-01	WG395211
1,1-Dichloropropene	mg/l	0.03	0.04	79.3	14-162	2.00	23	L375974-01	WG395211
1,2,3-Trichloropropane	mg/l	0.05	0.05	102.	48-148	3.07	23	L375974-01	WG395211
1,2,4-Trichlorobenzene	mg/l	0.04	0.05	99.3	27-142	3.84	30	L375974-01	WG395211
1,2-Dibromo-3-Chloropropane	mg/l	0.05	0.05	107.	37-148	7.00	27	L375974-01	WG395211
1,2-Dibromoethane	mg/l	0.04	0.04	88.0	41-149	3.52	21	L375974-01	WG395211
1,2-Dichlorobenzene	mg/l	0.04	0.04	94.1	40-139	1.66	23	L375974-01	WG395211
1,2-Dichloroethane	mg/l	0.04	0.04	84.8	29-167	3.62	21	L375974-01	WG395211
1,2-Dichloropropane	mg/l	0.04	0.04	87.3	39-148	5.16	20	L375974-01	WG395211

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Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
1,3-Dichlorobenzene	mg/l	0.04	0.04	89.9	32-148	3.03	24	L375974-01	WG395211
1,3-Dichloropropane	mg/l	0.04	0.04	88.7	44-142	1.25	20	L375974-01	WG395211
1,4-Dichlorobenzene	mg/l	0.04	0.04	93.9	32-136	5.18	23	L375974-01	WG395211
2,2-Dichloropropane	mg/l	0.03	0.03	67.2	14-158	4.32	23	L375974-01	WG395211
2-Butanone (MEK)	mg/l	0.20	0.21	81.0	32-151	5.68	26	L375974-01	WG395211
2-Hexanone	mg/l	0.25	0.26	103.	41-155	4.05	28	L375974-01	WG395211
4-Methyl-2-pentanone (MIBK)	mg/l	0.25	0.26	101.	40-160	4.41	28	L375974-01	WG395211
Acetone	mg/l	0.21	0.23	53.0	25-157	5.41	26	L375974-01	WG395211
Acrolein	mg/l	0.19	0.20	75.9	0-179	6.78	39	L375974-01	WG395211
Acrylonitrile	mg/l	0.24	0.26	97.5	37-162	6.49	24	L375974-01	WG395211
Allyl chloride	mg/l	0.13	0.13	52.61	-	2.29	0	L375974-01	WG395211
Benzene	mg/l	0.03	0.04	79.3	16-158	2.88	21	L375974-01	WG395211
Bromochloromethane	mg/l	0.04	0.04	87.6	36-154	1.75	21	L375974-01	WG395211
Bromodichloromethane	mg/l	0.04	0.04	93.5	45-147	2.49	20	L375974-01	WG395211
Bromoform	mg/l	0.05	0.05	110.	38-152	2.34	20	L375974-01	WG395211
Bromomethane	mg/l	0.04	0.04	90.8	0-191	9.18	35	L375974-01	WG395211
Carbon disulfide	mg/l	0.02	0.02	57.0	10-166	2.28	25	L375974-01	WG395211
Carbon tetrachloride	mg/l	0.03	0.04	76.7	22-168	4.26	24	L375974-01	WG395211
Chlorobenzene	mg/l	0.04	0.04	89.6	33-148	1.23	22	L375974-01	WG395211
Chlorodibromomethane	mg/l	0.04	0.05	99.1	48-151	2.53	21	L375974-01	WG395211
Chloroethane	mg/l	0.03	0.03	75.4	4-176	5.03	27	L375974-01	WG395211
Chloroform	mg/l	0.04	0.04	82.9	37-147	2.81	21	L375974-01	WG395211
Chloromethane	mg/l	0.03	0.04	79.6	10-174	5.21	28	L375974-01	WG395211
cis-1,2-Dichloroethene	mg/l	0.04	0.04	83.5	29-156	2.39	22	L375974-01	WG395211
cis-1,3-Dichloropropene	mg/l	0.04	0.04	89.4	35-148	4.14	21	L375974-01	WG395211
Dibromomethane	mg/l	0.04	0.04	89.6	36-152	0.16	20	L375974-01	WG395211
Dichlorodifluoromethane	mg/l	0.03	0.04	77.6	0-200	4.04	26	L375974-01	WG395211
Ethylbenzene	mg/l	0.04	0.04	84.2	29-150	1.44	24	L375974-01	WG395211
Iodomethane	mg/l	0.16	0.19	66.5	9-169	13.4	27	L375974-01	WG395211
Methylene Chloride	mg/l	0.03	0.03	72.9	23-151	2.72	21	L375974-01	WG395211
Styrene	mg/l	0.04	0.04	93.6	38-149	3.00	23	L375974-01	WG395211
Tetrachloroethene	mg/l	0.04	0.04	81.1	13-157	2.74	24	L375974-01	WG395211
Toluene	mg/l	0.03	0.04	78.8	22-152	2.80	22	L375974-01	WG395211
trans-1,2-Dichloroethene	mg/l	0.03	0.04	77.5	11-160	3.83	23	L375974-01	WG395211
trans-1,3-Dichloropropene	mg/l	0.04	0.04	90.0	33-153	2.43	22	L375974-01	WG395211
trans-1,4-Dichloro-2-butene	mg/l	0.04	0.04	87.9	19-151	4.01	29	L375974-01	WG395211
Trichloroethene	mg/l	0.04	0.04	83.3	18-163	2.05	21	L375974-01	WG395211
Trichlorofluoromethane	mg/l	0.03	0.03	76.6	10-177	0.61	24	L375974-01	WG395211
Vinyl acetate	mg/l	0.23	0.24	93.0	0-196	4.65	26	L375974-01	WG395211
Vinyl chloride	mg/l	0.03	0.03	71.8	0-179	3.95	26	L375974-01	WG395211
Xylenes, Total	mg/l	0.12	0.12	82.0	27-151	2.20	23	L375974-01	WG395211
4-Bromofluorobenzene				100.7	75-128				WG395211
Dibromofluoromethane				98.8	79-125				WG395211
Toluene-d8				101.0	87-114				WG395211
a,a,a-Trifluorotoluene				103.3	84-114				WG395211
1,1,1,2-Tetrachloroethane	mg/l	0.05	0.05	107.	45-152	1.61	21	L375877-01	WG395335
1,1,1-Trichloroethane	mg/l	0.04	0.04	94.3	31-161	1.18	23	L375877-01	WG395335
1,1,2,2-Tetrachloroethane	mg/l	0.05	0.05	103.	49-149	4.01	22	L375877-01	WG395335
1,1,2-Trichloroethane	mg/l	0.04	0.04	99.2	46-145	3.61	20	L375877-01	WG395335
1,1-Dichloroethane	mg/l	0.04	0.04	91.2	30-159	3.83	21	L375877-01	WG395335
1,1-Dichloroethene	mg/l	0.04	0.04	82.7	10-162	1.66	23	L375877-01	WG395335
1,2,3-Trichloropropane	mg/l	0.05	0.05	105.	48-148	3.27	23	L375877-01	WG395335
1,2-Dibromo-3-Chloropropane	mg/l	0.05	0.05	106.	37-148	4.92	27	L375877-01	WG395335
1,2-Dibromoethane	mg/l	0.05	0.05	101.	41-149	1.20	21	L375877-01	WG395335
1,2-Dichlorobenzene	mg/l	0.04	0.04	95.7	40-139	5.31	23	L375877-01	WG395335
1,2-Dichloroethane	mg/l	0.04	0.04	96.0	29-167	2.31	21	L375877-01	WG395335

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Level II

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Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
1,2-Dichloropropane	mg/l	0.05	0.04	100.	39-148	5.73	20	L375877-01	WG395335
1,4-Dichlorobenzene	mg/l	0.04	0.04	88.0	32-136	5.43	23	L375877-01	WG395335
2-Butanone (MEK)	mg/l	0.23	0.23	93.9	32-151	1.94	26	L375877-01	WG395335
2-Hexanone	mg/l	0.25	0.25	103.	41-155	0.74	28	L375877-01	WG395335
4-Methyl-2-pentanone (MIBK)	mg/l	0.24	0.24	99.6	40-160	2.45	28	L375877-01	WG395335
Acetone	mg/l	0.26	0.28	104.	25-157	7.42	26	L375877-01	WG395335
Acrylonitrile	mg/l	0.24	0.25	98.9	37-162	4.64	24	L375877-01	WG395335
Benzene	mg/l	0.04	0.04	89.6	16-158	0.67	21	L375877-01	WG395335
Bromochloromethane	mg/l	0.04	0.05	99.2	36-154	3.21	21	L375877-01	WG395335
Bromodichloromethane	mg/l	0.05	0.05	105.	45-147	1.99	20	L375877-01	WG395335
Bromoform	mg/l	0.05	0.05	101.	38-152	0.41	20	L375877-01	WG395335
Bromomethane	mg/l	0.04	0.04	81.4	0-191	0.42	35	L375877-01	WG395335
Carbon disulfide	mg/l	0.03	0.03	71.5	10-166	1.54	25	L375877-01	WG395335
Carbon tetrachloride	mg/l	0.04	0.04	88.6	22-168	1.97	24	L375877-01	WG395335
Chlorobenzene	mg/l	0.04	0.04	94.9	33-148	6.37	22	L375877-01	WG395335
Chlorodibromomethane	mg/l	0.05	0.05	112.	48-151	3.87	21	L375877-01	WG395335
Chloroethane	mg/l	0.04	0.04	84.8	4-176	0.91	27	L375877-01	WG395335
Chloroform	mg/l	0.04	0.04	93.0	37-147	2.84	21	L375877-01	WG395335
Chloromethane	mg/l	0.03	0.04	79.4	10-174	3.09	28	L375877-01	WG395335
cis-1,2-Dichloroethene	mg/l	0.04	0.04	95.4	29-156	0.91	22	L375877-01	WG395335
cis-1,3-Dichloropropene	mg/l	0.05	0.04	100.	35-148	4.91	21	L375877-01	WG395335
Dibromomethane	mg/l	0.05	0.05	102.	36-152	1.47	20	L375877-01	WG395335
Ethylbenzene	mg/l	0.04	0.04	96.3	29-150	7.31	24	L375877-01	WG395335
Iodomethane	mg/l	0.21	0.22	87.3	9-169	2.62	27	L375877-01	WG395335
Methylene Chloride	mg/l	0.04	0.04	93.4	23-151	4.28	21	L375877-01	WG395335
Styrene	mg/l	0.04	0.04	97.5	38-149	5.25	23	L375877-01	WG395335
Tetrachloroethene	mg/l	0.04	0.04	93.0	13-157	5.12	24	L375877-01	WG395335
Toluene	mg/l	0.04	0.04	87.0	22-152	7.70	22	L375877-01	WG395335
trans-1,2-Dichloroethene	mg/l	0.04	0.04	92.0	11-160	0.00	23	L375877-01	WG395335
trans-1,3-Dichloropropene	mg/l	0.04	0.04	97.2	33-153	5.33	22	L375877-01	WG395335
trans-1,4-Dichloro-2-butene	mg/l	0.05	0.05	103.	19-151	2.04	29	L375877-01	WG395335
Trichloroethene	mg/l	0.04	0.04	91.7	18-163	4.78	21	L375877-01	WG395335
Trichlorofluoromethane	mg/l	0.04	0.04	93.1	10-177	1.69	24	L375877-01	WG395335
Vinyl acetate	mg/l	0.24	0.25	99.4	0-196	2.06	26	L375877-01	WG395335
Vinyl chloride	mg/l	0.04	0.04	82.1	0-179	2.28	26	L375877-01	WG395335
Xylenes, Total	mg/l	0.14	0.13	94.4	27-151	7.27	23	L375877-01	WG395335
4-Bromofluorobenzene				98.4	75-128				WG395335
Dibromofluoromethane				100.7	79-125				WG395335
Toluene-d8				99.2	87-114				WG395335
a,a,a-Trifluorotoluene				102.8	84-114				WG395335
1,1,1,2-Tetrachloroethane	mg/l	0.05	0.04	107.	45-152	7.06	21	L376126-01	WG395323
1,1,1-Trichloroethane	mg/l	0.05	0.05	102.	31-161	1.43	23	L376126-01	WG395323
1,1,2,2-Tetrachloroethane	mg/l	0.05	0.04	104.	49-149	5.97	22	L376126-01	WG395323
1,1,2-Trichloroethane	mg/l	0.05	0.04	100.	46-145	10.7	20	L376126-01	WG395323
1,1-Dichloroethane	mg/l	0.04	0.05	98.7	30-159	5.37	21	L376126-01	WG395323
1,1-Dichloroethene	mg/l	0.04	0.05	95.2	10-162	5.71	23	L376126-01	WG395323
1,2,3-Trichloropropane	mg/l	0.05	0.04	108.	48-148	8.15	23	L376126-01	WG395323
1,2-Dibromo-3-Chloropropane	mg/l	0.05	0.04	104.	37-148	5.33	27	L376126-01	WG395323
1,2-Dibromoethane	mg/l	0.05	0.04	104.	41-149	7.19	21	L376126-01	WG395323
1,2-Dichlorobenzene	mg/l	0.05	0.04	100.	40-139	11.1	23	L376126-01	WG395323
1,2-Dichloroethane	mg/l	0.05	0.04	101.	29-167	2.40	21	L376126-01	WG395323
1,2-Dichloropropane	mg/l	0.05	0.05	106.	39-148	4.12	20	L376126-01	WG395323
1,4-Dichlorobenzene	mg/l	0.04	0.04	95.9	32-136	7.40	23	L376126-01	WG395323
2-Butanone (MEK)	mg/l	0.26	0.24	104.	32-151	7.00	26	L376126-01	WG395323
2-Hexanone	mg/l	0.27	0.25	109.	41-155	8.63	28	L376126-01	WG395323
4-Methyl-2-pentanone (MIBK)	mg/l	0.26	0.28	107.	40-160	4.68	28	L376126-01	WG395323

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Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Acetone	mg/l	0.28	0.29	114.	25-157	4.28	26	L376126-01	WG395323
Acrylonitrile	mg/l	0.27	0.28	110.	37-162	3.28	24	L376126-01	WG395323
Benzene	mg/l	0.04	0.04	97.5	16-158	5.66	21	L376126-01	WG395323
Bromochloromethane	mg/l	0.05	0.05	105.	36-154	6.43	21	L376126-01	WG395323
Bromodichloromethane	mg/l	0.05	0.05	109.	45-147	4.61	20	L376126-01	WG395323
Bromoform	mg/l	0.04	0.04	99.5	38-152	6.53	20	L376126-01	WG395323
Bromomethane	mg/l	0.04	0.04	90.6	0-191	6.77	35	L376126-01	WG395323
Carbon disulfide	mg/l	0.04	0.04	84.2	10-166	4.41	25	L376126-01	WG395323
Carbon tetrachloride	mg/l	0.04	0.04	97.3	22-168	1.73	24	L376126-01	WG395323
Chlorobenzene	mg/l	0.04	0.04	95.3	33-148	4.85	22	L376126-01	WG395323
Chlorodibromomethane	mg/l	0.05	0.05	109.	48-151	8.78	21	L376126-01	WG395323
Chloroethane	mg/l	0.04	0.05	95.4	4-176	6.40	27	L376126-01	WG395323
Chloroform	mg/l	0.04	0.05	98.7	37-147	4.13	21	L376126-01	WG395323
Chloromethane	mg/l	0.04	0.04	90.5	10-174	6.63	28	L376126-01	WG395323
cis-1,2-Dichloroethene	mg/l	0.05	0.05	98.5	29-156	5.53	22	L376126-01	WG395323
cis-1,3-Dichloropropene	mg/l	0.05	0.05	106.	35-148	0.01	21	L376126-01	WG395323
Dibromomethane	mg/l	0.05	0.05	106.	36-152	2.54	20	L376126-01	WG395323
Ethylbenzene	mg/l	0.04	0.04	98.3	29-150	3.36	24	L376126-01	WG395323
Iodomethane	mg/l	0.23	0.25	94.3	9-169	7.29	27	L376126-01	WG395323
Methylene Chloride	mg/l	0.05	0.05	100.	23-151	7.35	21	L376126-01	WG395323
Styrene	mg/l	0.05	0.04	100.	38-149	3.95	23	L376126-01	WG395323
Tetrachloroethene	mg/l	0.05	0.04	102.	13-157	13.8	24	L376126-01	WG395323
Toluene	mg/l	0.04	0.04	93.1	22-152	1.74	22	L376126-01	WG395323
trans-1,2-Dichloroethene	mg/l	0.05	0.05	108.	11-160	0.02	23	L376126-01	WG395323
trans-1,3-Dichloropropene	mg/l	0.05	0.05	104.	33-153	3.96	22	L376126-01	WG395323
trans-1,4-Dichloro-2-butene	mg/l	0.05	0.05	112.	19-151	7.68	29	L376126-01	WG395323
Trichloroethene	mg/l	0.04	0.04	98.0	18-163	8.54	21	L376126-01	WG395323
Trichlorofluoromethane	mg/l	0.05	0.05	104.	10-177	7.74	24	L376126-01	WG395323
Vinyl acetate	mg/l	0.28	0.27	115.	0-196	6.16	26	L376126-01	WG395323
Vinyl chloride	mg/l	0.04	0.05	94.0	0-179	7.57	26	L376126-01	WG395323
Xylenes, Total	mg/l	0.14	0.14	96.6	27-151	3.58	23	L376126-01	WG395323
4-Bromofluorobenzene				97.6	75-128				WG395323
Dibromofluoromethane				104.1	79-125				WG395323
Toluene-d8				100.1	87-114				WG395323
a,a,a-Trifluorotoluene				101.5	84-114				WG395323
Fluoride	mg/l	5.20	4.91	104.	80-120	5.74	20	L376143-03	WG395134
Sulfide	mg/l	0.95	0.96	95.7	90-110	0.41	20	L376380-20	WG395427
cis-1,2-Dichloroethene	mg/l	0.05	0.05	90.7	29-156	0.15	22	L376380-01	WG395544
4-Bromofluorobenzene				99.4	75-128				WG395544
Dibromofluoromethane				104.4	79-125				WG395544
Toluene-d8				99.5	87-114				WG395544
a,a,a-Trifluorotoluene				101.3	84-114				WG395544
Mercury	mg/l	0.00	0.00	58*	70-130	31.9*	20	L376211-03	WG395207
Cyanide	mg/l	-0.00	0.01	0*	90-110	228.*	20	L376249-02	WG395395
Cyanide	mg/l	0.21	0.21	106.	90-110	2.33	20	L376431-01	WG395395
Mercury	mg/l	0.00	0.00	88.3	70-130	5.43	20	L376099-16	WG395204

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ENVIRONMENTAL
SCIENCE CORP.

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

Tax I.D. 62-0814289

Est. 1970

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

Raleigh, NC 27616

Quality Assurance Report
Level II

L376126

December 04, 2008

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
1,1,1,2-Tetrachloroethane	mg/l	0.05	0.05	5.505	45-152	2.28	21		WG395791
1,1,1-Trichloroethane	mg/l	0.04	0.04	4.68*	31-161	0.84	23		WG395791
1,1,2,2-Tetrachloroethane	mg/l	0.05	0.05	5.476	49-149	4.48	22		WG395791
1,1,2-Trichloroethane	mg/l	0.05	0.05	5.326	46-145	0.04	20		WG395791
1,1-Dichloroethane	mg/l	0.04	0.04	4.466	30-159	1.47	21		WG395791
1,1-Dichloroethene	mg/l	0.04	0.04	4.927	10-162	4.00	23		WG395791
1,1-Dichloropropene	mg/l	0.04	0.04	4.519	14-162	2.98	23		WG395791
1,2,3-Trichloropropane	mg/l	0.05	0.05	5.533	48-148	2.76	23		WG395791
1,2,4-Trichlorobenzene	mg/l	0.05	0.04	5.386	27-142	18.0	30		WG395791
1,2-Dibromo-3-Chloropropane	mg/l	0.05	0.05	5.679	37-148	8.96	27		WG395791
1,2-Dibromoethane	mg/l	0.05	0.05	5.361	41-149	4.64	21		WG395791
1,2-Dichlorobenzene	mg/l	0.04	0.04	4.817	40-139	5.03	23		WG395791
1,2-Dichloroethane	mg/l	0.04	0.04	4.244	29-167	4.60	21		WG395791
1,2-Dichloropropane	mg/l	0.04	0.04	4.657	39-148	4.76	20		WG395791
1,3-Dichlorobenzene	mg/l	0.05	0.04	5.356	32-148	7.99	24		WG395791
1,3-Dichloropropane	mg/l	0.04	0.04	4.914	44-142	1.45	20		WG395791
1,4-Dichlorobenzene	mg/l	0.04	0.04	4.735	32-136	5.39	23		WG395791
2,2-Dichloropropane	mg/l	0.04	0.03	4.436	14-158	11.2	23		WG395791
2-Butanone (MEK)	mg/l	0.26	0.24	26.83	32-151	10.2	26		WG395791
2-Hexanone	mg/l	0.33	0.29	33.28	41-155	12.6	28		WG395791
4-Methyl-2-pentanone (MIBK)	mg/l	0.28	0.26	28.89	40-160	8.34	28		WG395791
Acetone	mg/l	0.24	0.22	24.87	25-157	11.0	26		WG395791
Acrolein	mg/l	0.20	0.20	20.2	0-179	0.10	39		WG395791
Acrylonitrile	mg/l	0.24	0.23	24.49	37-162	5.62	24		WG395791
Allyl chloride	mg/l	0.00	0.00	0*	-	0.00	0		WG395791
Benzene	mg/l	0.04	0.04	4.44*	16-158	0.26	21		WG395791
Bromochloromethane	mg/l	0.04	0.04	4.666	36-154	2.59	21		WG395791
Bromodichloromethane	mg/l	0.04	0.05	4.764	45-147	8.81	20		WG395791
Bromoform	mg/l	0.05	0.05	5.926	38-152	1.26	20		WG395791
Bromomethane	mg/l	0.05	0.06	5.89	0-191	7.08	35		WG395791
Carbon disulfide	mg/l	0.04	0.04	4.069	10-166	6.15	25		WG395791
Carbon tetrachloride	mg/l	0.04	0.04	4.678	22-168	2.77	24		WG395791
Chlorobenzene	mg/l	0.05	0.05	5.172	33-148	2.79	22		WG395791
Chlorodibromomethane	mg/l	0.05	0.05	5.402	48-151	1.80	21		WG395791
Chloroethane	mg/l	0.05	0.05	5.56	4-176	2.93	27		WG395791
Chloroform	mg/l	0.04	0.05	4.444	37-147	15.8	21		WG395791
Chloromethane	mg/l	0.04	0.04	4.395	10-174	2.09	28		WG395791
cis-1,2-Dichloroethene	mg/l	0.04	0.04	4.766	29-156	2.04	22		WG395791
cis-1,3-Dichloropropene	mg/l	0.04	0.04	4.76*	35-148	1.64	21		WG395791
Dibromomethane	mg/l	0.04	0.04	4.855	36-152	2.29	20		WG395791
Dichlorodifluoromethane	mg/l	0.05	0.05	5.98	0-200	1.21	26		WG395791
Ethylbenzene	mg/l	0.05	0.05	5.461	29-150	4.81	24		WG395791
Iodomethane	mg/l	0.25	0.25	25.0	9-169	0.78	27		WG395791
Methylene Chloride	mg/l	0.04	0.04	4.588	23-151	2.26	21		WG395791
Styrene	mg/l	0.05	0.05	5.368	38-149	2.70	23		WG395791
Tetrachloroethene	mg/l	0.06	0.05	6.453	13-157	21.5	24		WG395791
Toluene	mg/l	0.04	0.04	4.61*	22-152	1.03	22		WG395791
trans-1,2-Dichloroethene	mg/l	0.04	0.04	4.869	11-160	0.99	23		WG395791
trans-1,3-Dichloropropene	mg/l	0.04	0.04	4.213	33-153	2.07	22		WG395791
trans-1,4-Dichloro-2-butene	mg/l	0.05	0.04	5.638	19-151	13.6	29		WG395791
Trichloroethene	mg/l	0.05	0.04	5.008	18-163	6.93	21		WG395791
Trichlorofluoromethane	mg/l	0.05	0.05	5.282	10-177	0.63	24		WG395791
Vinyl acetate	mg/l	0.19	0.19	19.2	0-196	1.56	26		WG395791
Vinyl chloride	mg/l	0.05	0.04	5.05	0-179	4.20	26		WG395791
Xylenes, Total	mg/l	0.15	0.15	15.53	27-151	3.76	23		WG395791
4-Bromofluorobenzene				101.0	75-128				WG395791
Dibromofluoromethane				93.9	79-125				WG395791
Toluene-d8				95.4	87-114				WG395791

* Performance of this Analyte is outside of established criteria.
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SCIENCE CORP.

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Mt. Juliet, TN 37122
(615) 758-5858
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Tax I.D. 62-0814289

Est. 1970

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

Raleigh, NC 27616

Quality Assurance Report
Level II

L376126

December 04, 2008

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
a,a,a-Trifluorotoluene				100.4	84-114				
Barium	mg/l	1.13	1.12	96.6	75-125	0.88	20	L376126-07	WG395714
Chromium	mg/l	1.06	1.05	93.8	75-125	0.94	20	L376126-07	WG395714
Cobalt	mg/l	1.18	1.14	104.	75-125	3.45	20	L376126-07	WG395714
Lead	mg/l	1.13	1.10	99.7	75-125	2.69	20	L376126-07	WG395714
Nickel	mg/l	1.07	1.04	94.7	75-125	2.84	20	L376126-07	WG395714
Silver	mg/l	0.20	0.20	18.31	75-125	1.95	20	L376126-07	WG395714
Vanadium	mg/l	1.07	1.06	94.7	75-125	0.93	20	L376126-07	WG395714
Antimony	mg/l	0.05	0.05	100.	75-125	0.00	20	L376190-02	WG395715
Arsenic	mg/l	0.05	0.05	93.3	75-125	0.54	20	L376190-02	WG395715
Beryllium	mg/l	0.05	0.05	87.4	75-125	0.59	20	L376190-02	WG395715
Cadmium	mg/l	0.05	0.05	95.8	75-125	0.72	20	L376190-02	WG395715
Copper	mg/l	0.05	0.05	90.3	75-125	2.99	20	L376190-02	WG395715
Lead	mg/l	0.05	0.05	89.5	75-125	0.73	20	L376190-02	WG395715
Selenium	mg/l	0.05	0.05	96.0	75-125	1.36	20	L376190-02	WG395715
Thallium	mg/l	0.05	0.05	89.3	75-125	0.98	20	L376190-02	WG395715
Zinc	mg/l	0.06	0.06	93.1	75-125	1.32	20	L376190-02	WG395715
Barium	mg/l	1.14	1.13	100.	75-125	0.88	20	L376190-08	WG395754
Chromium	mg/l	1.14	1.12	101.	75-125	1.77	20	L376190-08	WG395754
Cobalt	mg/l	1.16	1.15	103.	75-125	0.86	20	L376190-08	WG395754
Nickel	mg/l	1.09	1.09	96.5	75-125	0.00	20	L376190-08	WG395754
Silver	mg/l	0.70	0.62	62.12	75-125	12.4	20	L376190-08	WG395754
Vanadium	mg/l	1.17	1.16	103.	75-125	0.85	20	L376190-08	WG395754

Batch number /Run number / Sample number cross reference

WG395211: R544845: L376126-05 07 10
WG395323: R545308: L376126-01 02 03 04 06 08 09 11 12 13
WG395335: R545309: L376126-14
WG395134: R545310: L376126-11 12 13 14
WG395241: R545505: L376126-05 07 10
WG395162: R545665: L376126-05 07 10
WG395427: R546147: L376126-05 07 10
WG395544: R546305: L376126-08 09
WG395249: R546587: L376126-05 07 10
WG395207: R546650: L376126-12 13 14
WG395395: R546871: L376126-05 07 10
WG395204: R547109: L376126-01 02 03 04 05 06 07 08 09 10 11
WG395791: R547247: L376126-15
WG395714: R550366: L376126-01 02 03 04 05 06 07 08 09 10 11 12
WG395715: R551725: L376126-01 02 03 04 05 06 07 08 09 10 11 12 13 14
WG395754: R552405 R552406: L376126-13 14

* * Calculations are performed prior to rounding of reported values .
* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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SCIENCE CORP.

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

Tax I.D. 62-0814289

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

Raleigh, NC 27616

Quality Assurance Report
Level II

L376126

December 04, 2008

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

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

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

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

S&ME Inc. - Raleigh NC

3201 Spring Forest Road
Raleigh,NC 27616

Alternate billing information:

Chain of Custody
Page 1 of 4

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

C071

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

Project Description: DURHAM LANDFILL
City/State Collected: DURHAM, NC

Phone: (919) 872-2660
FAX: (919) 790-9827
Client Project #: 1054-07-469
Lab Project #: SMERLNC-NCLF

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

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

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

Date Results Needed: STANDARD
Email? ___No X Yes
FAX? X No ___Yes

Acctnum: SMERLNC (lab use only)
Template/Prelogin: T50601/P263102
Cooler #: 1 2 3
Shipped Via: FedEX Ground

Analysis/Container/Preservative

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	AP1 Metals 500mlHDPE-HNO3	AP2 Diss. Metals 500mlHDPE-NoPres	AP2 Metals 500mlHDPE-HNO3	CN 250mlHDPEAmb-NaOH	FLUORIDE 125mlHDPE-NoPres	SULFIDE 500mlHDPE-NaOH+ZnAc	SV8081/8082 1L-Amb NoPres	SV8151AP2 1L-Amb-NoPres	Remarks/Contaminant	Sample # (lab only)
MW-2	GRAB	GW		11/19/08	1521	4 ~~12~~	X	X	X	X		X	X	X	APP I ONLY	L37626-01
MW-3R	↓	GW		↓	1625	4 ~~12~~	X	X	X	X		X	X	X	↓	02
MW-4R		GW			1800	4 ~~12~~	X	X	X	X		X	X	X		03
MW-5		GW			1440	4 ~~12~~	X	X	X	X		X	X	X		04
[redacted]																
MW-7R		GW			1350	12		X	X	X		X	X	X		05
MW-8		GW			1220	4 ~~12~~	X	X	X	X		X	X	X	APP I ONLY	06
MW-9R		GW			1110	12		X	X	X		X	X	X		07
MW-10		GW			1715	4 ~~12~~	X	X	X	X		X	X	X	APP I ONLY	08

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

pH _____ Temp _____
Flow _____ Other _____

Remarks: PLEASE HOLD DISSOLVED METALS until RESULTS COME IN.
Refer to P264074

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☒ SWA	Condition: OK (lab use only)
	11/20/08	1050	Brent Hadley		
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.9	Bottles Received: 80+4TB
					COC Seal Intact: ___Y ___N ✓ NA
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 11/21/08	Time: 0745
					pH Checked: 22 NL
					NCF:

S&ME Inc. - Raleigh NC

3201 Spring Forest Road
Raleigh,NC 27616

Alternate billing information:

Analysis/Container/Preservative

Chain of Custody
Page 2 of 4

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

Report to: ~~Michelle Logut~~ / Jerry Paul

Email: JPaul@Smeinc.com ~~mlogut@smeinc.com~~ jpaul@

Project Description: DURHAM LANDFILL

City/State Collected: DURHAM, NC

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

Client Project #: 1054-07-469

Lab Project #: SMERLNC-NCLF

Collected by (print): J. Paul

Site/Facility ID#:

P.O.#:

Collected by (signature): [signature]

Immediately Packed on Ice N ___ Y X

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

Date Results Needed: STD.

Email? ___No X Yes
FAX? X No ___Yes

Acctnum: SMERLNC (lab use only)
Template/Prelogin: T50601/ P263102
Cooler #: CE 11/17
Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	SV8270AP2 1L Amb-NoPres	V8260AP1 40mlAmb-HCl	V8260AP2 40mlAmb-HCl	V8260AP2 Trip Blk 40mlAmb-HCl-Blk				Remarks/Contaminant	Sample # (lab only)
MW-2	GRAB	GW		11/19/08	1521	4~~12~~		X						APP I only	C576126-01
MW-3R	↓	GW		↓	1625	4~~12~~		X						↓	02
MW-4R	↓	GW		↓	1800	4~~12~~		X						↓	03
MW-5	↓	GW		↓	1440	4~~12~~		X						↓	04
~~MW-6R~~		~~GW~~				~~12~~	~~X~~		~~X~~						
MW-7R	↓	GW		↓	1350	12	X		X						05
MW-8	↓	GW		↓	1220	4~~12~~		X						APP I only	06
MW-9R	↓	GW		↓	1110	12	X		X						07
MW-10	↓	GW		↓	1715	4~~12~~		X						APP I only	08

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

pH _____ Temp _____

Flow _____ Other _____

Remarks:
* PLEASE HOLD DISSOLVED METALS UNTIL RESULTS COME IN.

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☒ SwA	Condition: 06	(lab use only)
[signature]	11/20/08	1050	[signature]			
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 39.1	Bottles Received: 80+4TB	COC Seal Intact: ___Y ___N ✓NA
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 11/21/08	Time: 0745	pH Checked: L2 >12	NCF:

S&ME Inc. - Raleigh NC

3201 Spring Forest Road
Raleigh,NC 27616

Alternate billing information:

Report to: Michelle Logut / Jerry Paul

Email: Jpaul@smeinc.com mlogut@smeinc.com,jpaul@

Project Description: DURHAM LANDFILL

City/State Collected: DURHAM, NC

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

Client Project #: 1054-07-469

Lab Project #: SMERLNC-NCLF

Collected by (print): J. PAUL

Site/Facility ID#:

P.O.#:

Collected by (signature):

Immediately Packed on Ice N ___ Y X

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

Date Results Needed: STD.

Email? ___No X Yes
FAX? X No ___Yes

Analysis/Container/Preservative

Chain of Custody
Page 3 of 4

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

Acctnum: SMERLNC (lab use only)
Template/Prelogin: T50601/ P263102
Cooler #:
Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	AP1 Metals 500mlHDPE-HNO3	AP2 Diss. Metals 500mlHDPE-NoPres	AP2 Metals 500mlHDPE-HNO3	CN 250mlHDPEAmb-NaOH	FLUORIDE 125mlHDPE-NoPres	SULFIDE 500mlHDPE-NaOH+ZnAc	SV8081/8082 1L-Amb NoPres	SV8151AP2 1L-Amb-NoPres	Remarks/Contaminant	Sample # (lab only)
~~TB 6~~		~~GW~~				~~12~~		~~X~~	~~X~~	~~X~~		~~X~~	~~X~~	~~X~~		
DUP	GRAB	GW		11/19/08		4 ~~12~~	X	~~X~~	~~X~~	~~X~~		~~X~~	~~X~~	~~X~~	APP F only	L376126-09
EOB	↓	GW		↓	1930	12		X	X	X		X	X	X		10
S-1		GW			1430	4	X				X					11
S-2		GW			1650	4	X				X					12
S-3		GW			1345	4	X				X					13
S-4	↓	GW			1325	4	X				X					14
TRIP BLANK		GW		↓		1										15

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

pH _____ Temp _____

Flow _____ Other _____

Remarks:

* PLEASE HOLD DISSOLVED METALS UNTIL RESULTS COME IN.

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☒ SWA	Condition: ok (lab use only)
	11/20/08	1050	Brent Bailey		
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.9°C Bottles Received: 80+4TB	COC Seal Intact: ___Y ___N ✓NA
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 11/21/08 Time: 0745	pH Checked: LL >12 NCF:

S&ME Inc. - Raleigh NC

3201 Spring Forest Road
Raleigh,NC 27616

Alternate billing information:

Chain of Custody
Page 4 of 4

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

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

Project Description: DURHAM LANDFILL
City/State Collected: DURHAM, NC

Phone: (919) 872-2660
FAX: (919) 790-9827
Client Project #: 1054-07-469
Lab Project #: SMERLNC-NCLF

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

Collected by (signature): [signature]
Immediately Packed on Ice N ___ Y X

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

Date Results Needed: STD.
Email? ___No X Yes
FAX? X No ___Yes

(lab use only)
Acctnum: SMERLNC
Template/Prelogin: T50601/P263102
Cooler #: 1/1
Shipped Via: FedEX Ground

Sample ID	Comp/Grab	Matrix*	Depth	Date	Time	No. of Cntrs	SV8270AP2 1L-Amb-NoPres	V8260AP1 40mlAmb-HCl	V8260AP2 40mlAmb-HCl	V8260AP2 Trip Blk 40mlAmb-HCl-Blk				Remarks/Contaminant	Sample # (lab only)
~~PZ-6~~		~~GW~~				~~12~~	~~X~~		~~X~~						
DUP	GRAB	GW		11/19/08		4 ~~12~~	~~X~~	X	~~X~~					App I only	L576126-09
EOB	↓	GW		↓	1930	12	X		X						10
S-1	↓	GW		↓	1430	4		X							11
S-2	↓	GW		↓	1650	4		X							12
S-3	↓	GW		↓	1345	4		X							13
S-4	↓	GW		↓	1325	4		X							14
TRIP BLANK		GW		↓		1				X					15

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

pH _____ Temp _____
Flow _____ Other _____

Remarks:
* PLEASE HOLD DISSOLVED METALS UNTIL RESULTS COME IN.

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: ☐ UPS ☐ FedEx ☐ Courier ☐ SWA	Condition: OK	(lab use only)
[signature]	11/20/08	1050	Brent Radley			
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 3.9°C Bottles Received: 8047B	COC Seal Intact: ___Y ___N ✓NA	
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 11/21/08 Time: 0745	pH Checked: LL 112	NCF:

APPENDIX III

COMPACT DISK WITH ELECTRONIC COPY OF TABLE 7 (.XLS) AND ELECTRONIC COPY OF THIS REPORT (.PDF)

APPENDIX IV

MONITOR WELL (MW-10) INSTALLATION REPORT (S&ME, OCTOBER 2008)

October 2, 2008

City of Durham
Department of Water Management
1600 Mist Lake Drive
Durham, North Carolina 27704

Attention: **Ms. Nancy L. Newell, P.E.** email: Nancy.Newell@durhamnc.gov

Reference: **Monitor Well Installation Report**
City of Durham, Closed Municipal Solid Waste Landfill
Durham, North Carolina
City of Durham Contract Number CT3839
S&ME Project Number 1054-07-469 (Change Order No. 2)

Dear Ms. Newell:

S&ME, Inc., (S&ME) is pleased to provide the City of Durham with this monitor well installation report for the City of Durham's Closed Municipal Solid Waste Landfill. Services described herein were performed as a contingency task (Phase 101 Service) pursuant to the terms and conditions of the existing Contact between The City of Durham (City) and S&ME, dated October 27, 2007 (Durham Contract Number CT3839). This report details the replacement of MW-6R with the new compliance monitoring well MW-10.

BACKGROUND

The replacement of monitoring well MW-6R has been completed as a result of recent conversations between Ms. Nancy Newell with the City and Mr. Sam Watts and Mr. Jerry Paul with S&ME, and based on recommendations presented in the November 2007 and May 2008 Semi-Annual Groundwater Monitoring Reports previously prepared by S&ME.

In early June 2004, Weston Solutions Inc. performed maintenance activities which included the redevelopment of the site compliance monitoring network wells and installation of replacement well MW-6R to replace compliance monitoring well MW-6. Since the installation of the replacement well MW-6R in 2004, several volatile organic compounds (VOCs) have been detected in the groundwater samples from this location.

The following list of VOCs has been detected at levels above their respective NCAC 2L standards in the groundwater samples from the replacement monitor well MW-6R:

- Benzene
- 1,4-Dichlorobenzene
- cis-1,2-Dichloroethene
- 1,2-Dichloropropane
- Tetrachloroethene
- Trichloroethene
- Vinyl Chloride

Prior to the installation of the "old" replacement well (MW-6R) VOCs were not typically present at levels above the 2L standards in the compliance monitoring well MW-6. MW-6R may have been installed inside of the waste disposal area of the landfill, or too close to the waste. As a result S&ME recommended and consequently installed one new shallow monitor well in the vicinity of MW-6R, approximately 70 feet beyond the waste boundary. The attached site map depicts the location of MW-6R, and the location of the replacement well (MW-10). A photographic log showing the location and construction of the new well has also been included.

MONITORING WELL (MW-10) INSTALLATION

On August 20, 2008, the new monitoring well MW-10 was constructed in accordance with well construction requirements presented in 15 NCAC.2C and was screened to intercept the surficial aquifer. Based on well construction records, historical groundwater levels measured at the site and depth to the groundwater interface at the time of well construction, the replacement monitoring well was set to approximately 14.61 feet bgs.

One soil boring was advanced using a CME 550 ATV-mounted drill rig using 4.25-inch inside diameter hollow stem augers (augers). The soil boring was advanced to refusal at approximately 15 feet bgs. Once the boring was completed, the monitoring well was constructed through the annulus of the augers. The new well consists of a ten-foot long section of 2-inch diameter polyvinyl chloride (PVC) slotted (0.010-inch) screen and approximately 6.5 feet of riser pipe to bring the well to approximately 1.89 feet above ground surface to allow for the stick-up protective casing. The well was completed by placing #2 type filter sand in the annulus to approximately two feet above the screen section (sand pack). Next, approximately one foot of hydrated bentonite was tremied above the sand pack, and neat cement grout was then tremied on top of the bentonite to approximately six inches below ground surface. The new well extends approximately 1.89 feet above ground surface and was encased with a four-inch diameter protective steel casing with lockable cap. A four-inch thick concrete pad, measuring two feet by two feet, was used to finish the surface of the well. Following well installation, the monitoring well was developed until relatively clear, silt-free water was obtained. A Non Residential Well Construction Record and Soil Boring Completion Report detailing well construction, lithology, field screening results, relative water table measurement is

included as attachments to this report. The monitoring well construction information for all wells at the site including the newly constructed well (MW-10) is summarized in **Table 1**. A site map indicating the location of the newly installed monitoring well (MW-10) is attached as **Figure 1**.

MONITORING WELL (MW-10) SAMPLING

In an attempt to confirm that the new monitoring well MW-10 is located beyond the delineated waste boundary and is suitable for replacement of MW-6R as a compliance monitoring well, on September 9, 2008, S&ME personnel collected one groundwater sample from the new monitoring well (MW-10). The sample was analyzed for Appendix I VOCs of which previous detections above the NCAC 2L Standards were detected in the former compliance monitoring well (MW-6R).

Prior to sampling, the well was opened, allowed to equilibrate with atmospheric pressure and a depth-to-water measurement were recorded to the nearest 0.01 foot using an electronic water level indicator. The electronic water level indicator was decontaminated before its initial use. Field personnel wore clean protective/non-reactive gloves when collecting water level measurements and for collecting the water sample. Historical groundwater elevation data for the site including the newly installed monitor well (MW-10) data are presented on **Table 2**.

Following the collection of the static groundwater level measurement, monitoring well MW-10 was purged and sampled with new disposable polyethylene bailer. As purging proceeded, pH, temperature and specific conductivity were measured and recorded. A groundwater sample was collected after the field parameters stabilized. The field parameters measured immediately before collecting the groundwater sample are presented in **Table 3**.

Prior to sampling, the laboratory-supplied sample containers were prepared. Each sample container was labeled with the sample identification number, sampling personnel, date and time of sample collection, project name and number, and requested chemical analyses. The groundwater sample was transferred directly from the polyethylene bailer into the labeled, laboratory-supplied, pre-preserved sample containers after purging. After collection, the sample was placed in a cooler on ice, under chain-of-custody control.

The September 9, 2008 groundwater sample was submitted to Environmental Science Corporation (ESC) of Mt. Juliet Tennessee under chain-of-custody protocols. The groundwater sample was submitted for analysis of NC Appendix I VOC constituents. The results of analytical testing are discussed below and a summary of compound concentrations detected during this sampling event are presented in **Table 4.**

ANALYTICAL RESULTS

Two VOC detections above 2L Standards were reported from the new compliance well (MW-10). In the MW-10 groundwater sample:

- 1, 2-Dichloropropane (0.73 μg/L) exceeded the 2L standard (0.51 μg/L).
- Vinyl chloride (0.32 μg/L) exceeded the 2L standard (0.015 μg/L).

Trichloroethene (1.6 μg/L) and Cis-1, 2-dichloroethene (15 μg/L) were detected above their SWSLs in the MW-10 sample but below the 2L Standards.

The following VOCs were detected in MW-10 above the method detection limits but below the SWSL and below groundwater protection standards:

- Chloroform (0.68 μg/L) as compared to the SWSL (5 μg/L).
- 1, 1-Dichloroethane (0.63 μg/L) as compared to the SWSL (5 μg/L).
- Tetrachloroethene (0.39 μg/L) as compared to the SWSL (1 μg/L).
- Trans-1, 2-dichloroethane (0.4 μg/L) as compared to the SWSL (5 μg/L).

A summary of laboratory analytical results for MW-10 including analytical data for the well it replaced in the monitoring well network (MW-6R) from the May 2008 Semi-annual sampling event is included as **Table 4.** A copy of the analytical laboratory report is attached.

WELL SURVEYING

Upon completion of the well installation, Bateman Civil Survey Company P.C. of Holly Springs, NC surveyed the new monitoring well. Bateman surveyed the new monitoring well location, the top of casing elevation, and top of ground elevation and tied it into the existing monitoring well network on September 11, 2008. The survey map showing the new monitoring well (MW-10) location along with the top of casing elevation and ground surface elevation is attached as **Figure 2**

REVISED MONITORING PLAN CONSIDERATION

The analytical results indicate that at least two VOC constituents are present at levels above 2L Standards in the newly installed monitoring well MW-10. Based upon these detections, the City and S&ME will discuss and come to a decision to either replace MW-6R with MW-10 as part of the monitoring well network or to continue to monitor MW-6R until a Nature and Extent Study is completed to define the release.

If MW-10 is to replace MW-6R as a compliance monitoring well, the submersible bladder pump from monitor well MW-6R will need to be removed, decontaminated and re-installed in the new compliance monitoring well (MW-10). If necessary, the pump

will be removed from MW-6R and transported to Geotech Environmental Equipment, Inc. of Morrisville, NC where the stainless steel portion of the pump will be decontaminated. The Teflon tubing and the internal cartridge assembly (including the Teflon bladder) and all other non-metal parts will be replaced. Upon completion of the decontamination procedure, the bladder pump will be installed in the new compliance monitoring well MW-10 in preparation of the November Semi-annual monitoring event.

The Water Quality Monitoring Plan will need to be revised if the monitoring plan is changed to add monitoring well MW-10.

CLOSING

S&ME appreciates the opportunity to be of service to the City of Durham and hopes that you find this report to be complete and informative. We would appreciate an opportunity to discuss our findings and recommendations with you. We will call you to schedule a meeting. Please call us at (919) 872-2660 if you have any questions or comments, or if we can be of further assistance.

Sincerely,
S&ME, Inc.

Gerald Paul
Project Professional

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

Tom Raymond, P.E.
Senior Reviewer

Attachments:

Table 1 - Monitoring Well Construction Information
Table 2 - Historical Groundwater Elevation Data
Table 3 - Summary of Groundwater Field Parameters
Table 4 - Analytical Results for MW-10 September 9, 2008
Figure 1 - Site Map with New Monitoring Well Location (MW-10)
Figure 2 - Survey Map by Bateman Civil Survey Company P.C.
Laboratory Analytical Report for MW-10 - September 9, 2008
Well Construction Record
Soil Boring Completion Report
Photographic Log

Table 1
Monitoring Well Construction Information
City of Durham Closed Municipal Solid Waste Landfill
S&ME Project No. 1054-07-469

Well Identification	Ground Surface Elevation (ft AMSL)	TOC Elevation (ft AMSL)	Well Depth (ft bgs)	Well Diameter (inches)	Screened Interval ** (ft bgs)
MW-2	284.70	286.54	19.62	2	9.62 - 19.62
MW-3	284.20	285.50	25.33	2	15.33 - 25.33
MW-3R	--	--	17.65	2	7.65 - 17.65
MW-4R	293.00	295.63	17.39	2	7.39 - 17.39
MW-5	297.70	299.76	21.77	2	11.77 - 21.77
MW-6R	288.64	291.39	26.72	2	16.72 - 26.72
MW-7R	315.70	318.21	44.10	2	24.10 - 44.10
MW-8	309.50	313.10	16.52	2	9.02 - 16.52
MW-9R	358.81	361.47	22.55	2	12.55 - 22.55
MW-10	282.11	284.00	14.61	2	4.61 - 14.61
PZ-2R	348.83	346.56	34.59	2	24.59 - 34.59
PZ-3	346.80	350.03	42.40	2	27.40 - 42.40
PZ-4R	336.40	339.42	38.38	2	23.38 - 38.38
PZ-6	347.60	350.11	59.00	2	39.00 - 59.00

Notes:
ft AMSL = feet above mean sea level
TOC = top of well casing elevation
-- = no data available
bgs = below ground surface
TOC and Ground Surface Elevations were surveyed by Barbara H. Mulkey Engineering in January 2001.
TOC and Ground Surface Elevations surveyed for new wells P2-R, P-4R, MW-6R, MW-7R and MW-9R in 2005 by Mulkey Engineering.
** Screened interval is approximate, based on field measurements by S&ME in May 2008.
Monitor well MW-10 TOC elevation surveyed by Bateman Civil Survey P.C. in September 2008

Table 2
Historical Gorundwater Elevation Data
City of Durham Closed Municipal Solid Waste Landfill
S&ME Project No. 1054-07-469

Well #	MW-2	MW-3	MW-3R2	MW-4R	MW-5	MW-6R1	MW-7R1	MW-8	MW-9R1	MW-10	PZ-2R1	PZ-3	PZ-4R	PZ-6
TOC Elevation (ft AMSL)	286.54	285.5	NM	295.63	299.76	291.39	318.21	313.1	361.47	284.00	346.56	350.03	339.42	350.11
Date														
5/26/1998	280.2	283.5	NI	NI	290.2	NI	NI	304.4	NI	NI	NI	318.8	NI	308.1
12/1/1998	280.06	282.97	NI	NI	298.43	NI	NI	304.4	NI	NI	NI	321.29	NI	304.79
6/7/1999	275.71	275.3	NI	NI	285.79	NI	NI	300.87	NI	NI	NI	319.05	NI	303.68
7/8/1999	NM	NM	NI	289.09	NM	NI	NI	NM	NI	NI	NI	NM	NI	NM
12/13/1999	279.09	280.1	NI	289.49	288.28	NI	NI	302.19	NI	NI	NI	319.83	NI	303.64
6/6/2000	277.15	279.28	NI	289.37	287.1	NI	NI	301.98	NI	NI	NI	319.45	NI	305.02
12/11/2000	277.1	279.5	NI	289.15	288.05	NI	NI	302.01	NI	NI	NI	320.27	NI	303.71
6/4/2001	278.37	279.67	NI	289.67	286.67	NI	NI	301.42	NI	NI	NI	318.52	NI	304.9
12/4/2001	275.19	278.85	NI	289.15	288.25	NI	NI	299.32	NI	NI	NI	319.11	NI	304.71
6/10/2002	275.59	277.77	NI	288.52	288.38	NI	NI	302.55	NI	NI	NI	317.57	NI	304.11
12/16/2002	280.13	282.09	NI	290.51	292.22	NI	NI	305.28	NI	NI	NI	318.72	NI	305.12
6/9/2003	278.9	280.11	NI	290.04	288.21	NI	NI	301.45	NI	NI	NI	317.81	NI	305.75
12/8/2003	278.49	279.69	NI	289.82	288.06	NI	NI	310	NI	NI	NI	319.84	NI	305.53
6/28/2004	276.34	279.29	NM	290	287.15	275.79	297.73	300.87	349.02	NI	318.7	319.37	313.74	308.83
12/20/2004	275.48	279.7	NM	289.78	288.18	276.89	299.55	301.72	334.52	NI	318.98	321.02	319.78	307.16
6/6/2005	280.35	279.12	NM	289.87	287.31	275.79	297.82	300.74	349.62	NI	320.93	321.07	320.42	306.9
12/5/2005	274.26	279.46	NM	289.94	287.72	275.59	299.17	300.09	346.25	NI	319.65	320.75	317.42	302.6
6/5/2006	277.45	279.24	NM	291.1	287.45	275.81	298.91	300.51	347.47	NI	319.74	318.85	317.89	304.85
12/4/2006	279.4	279.9	NM	290.02	288.8	277.18	300.86	301.8	349.22	NI	319.56	319.3	317.42	304.1
5/30/2007	279.38	281.6	NM	291	289.89	278.59	300.48	303.6	348.47	NI	320.18	318.56	319.08	300.51
11/19/2007	273.92	281.27	NM	292.72	287.6	276.62	298.07	302.37	343.35	NI	319.2	318.91	316.28	304.41
5/19/2008	282.1	NM	*3.43	293.41	291.72	280.04	302.98	304.87	349.36	NI	319.85	317.82	317.18	308.27
9/9/2008	NM	NM	NM	NM	NM	NM	NM	NM	NM	277.80	NM	NM	NM	NM
MEAN	*277.63*	*279.92*	-	*289.96*	*288.69*	*276.53*	*299.07*	*302.38*	*345.99*	*277.80*	*319.62*	*319.40*	*317.75*	*304.92*
MAXIMUM	*282.1*	*283.5*	-	*293.41*	*298.43*	*280.04*	*302.98*	*310*	*349.62*	*277.80*	*320.93*	*321.29*	*320.42*	*308.83*
MINIMUM	*273.92*	*275.3*	-	*288.52*	*285.79*	*275.59*	*297.73*	*299.32*	*334.52*	*277.80*	*318.7*	*317.57*	*313.74*	*300.51*

Notes:
AMSL = Above Mean Sea Level
NA= Not Applicable
NM=Not Measured
TOC=Top of Well Casing
*=Measurement taken from top of casing
NI=Not Installed
TOC elevations were surveyed by Barbara H. Mulkey Engineering in January 2001.
1. TOC elevations surveyed for new wells PZ-2R, PZ-4R, MW-6R, MW-7R and MW-9R in 2005 by Mulkey Engineering.
2. Monitor well 3R has not been surveyed or measured until this period.
3. Monitor well MW-10 TOC elevation surveyed by Bateman Civil Survey P.C. in September 2008

Table 3
Summary of Groundwater Field Parameters - *MW-10 September 9, 2008*
City of Durham Closed Municipal Solid Waste Landfill
S&ME Project No. 1054-07-469

Well Number	Field Parameter		
	pH	Conductivity (mS/cm)[1]	Temperature (°C)
MW-10	6.01	0.25	20.20

Notes:
1. mS/cm = microSeimens per centimeter
2. °C = Degrees Celcius

Table 4
Analytical Results for MW-10 September 9, 2008
City of Durham Closed Municipal Solid Waste Landfill
S&ME Project No. 1054-07-469

		GROUNDWATER QUALITY SUMMARY			
			Compliance Wells		
APPENDIX I VOCs EPA METHOD 8260	UNITS	2L Standard	MW-6R* (May 2008)	MW-10 (9/19/2008)	SWSL
BENZENE	µg/L	1	**4.3**	<0.29	1
CHLOROBENZENE	µg/L	50	0.73	<0.26	3
CHLOROFORM	µg/L	70	<0.33	0.68	5
1,2-DICHLOROBENZENE	µg/L	24	0.64	<0.29	5
1,4-DICHLOROBENZENE	µg/L	1.4	**4.6**	<0.30	1
1,1-DICHLOROETHANE	µg/L	70	4.2	0.63	5
cis-1,2 DICHLOROETHENE	µg/L	70	**140**	15.0	5
TETRACHLOROETHENE	µg/L	0.7	<0.29	0.39	1
TRANS-1,2-DICHLOROETHENE	µg/L	100	5.7	0.40	5
1,2-DICHLOROPROPANE	µg/L	0.51	**3.3**	**0.73**	1
TRICHLOROETHENE	µg/L	2.8	1.6	1.6	1
TOLUENE	µg/L	1,000	<0.27	<0.27	1
VINYL CHLORIDE	µg/L	0.015	**21**	**0.32**	1

NOTES:

VOCs = Volatile Organic Compounds

2L STANDARD = North Carolina groundwater standards as promulgated by 15A North Carolina Administrative Code, Subchapter 2L.

SWSL = Solid Waste Section Limit

µg/L = Micrograms Per Liter

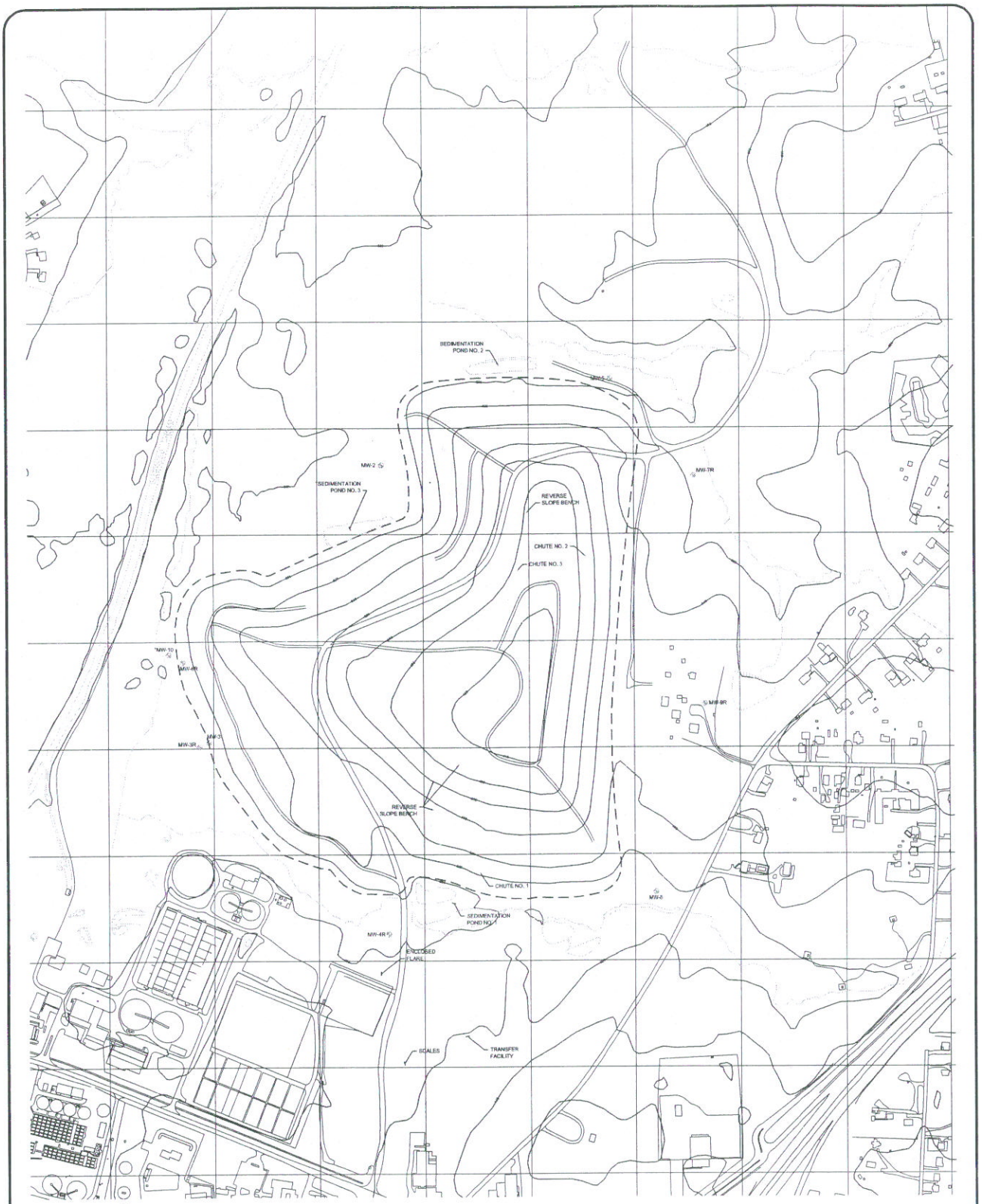
Values which are **BOLDED** and shaded indicate levels above their respective NCDENR 2L or GWPST Standards.

Compounds not shown were not detected during this sampling event.

Samples were collected on September 9, 2008 and analyzed by ESC. Detection limits are shown on laboratory reports.

NA = Not Analyzed

* = Results taken from the most recent semi-annual groundwater monitoring event (May 2008), for comparison to MW-10 results.



LEGEND

MONITOR WELLS

CONTOUR LINE - MAJOR (20 FT)

CONTOUR LINE - MINOR (5 FT)
(PER NAD/CONA APRIL, 1998)

GRAPHIC SCALE

400 0 200 400

(IN FEET)

SOURCE:
CONTOURS - NAD/CONA DATED APRIL 2007
BUILDINGS - DURHAM GIS DATED 1991
IMAGERY - DURHAM GIS DATED 2006

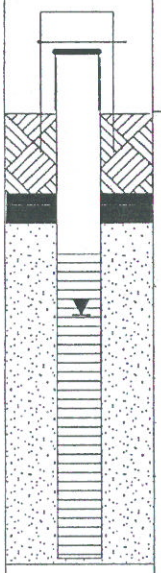
SITE MAP WITH NEW MONITOR WELL LOCATIONS	DRAWN BY: BTR	PROJECT NUMBER: 1054-07-469	SCALE: 1" = 200'
CITY OF DURHAM SANITARY LANDFILL MONITOR WELL ABANDONMENT REPORT 9/2008 DURHAM, NORTH CAROLINA	CHECKED BY:	APPROVED BY:	DATE: SEPT. 2008
			DRAWING NUMBER: D-1042-02
			DRAWING: 1 OF 1

NO.	DATE	DESCRIPTION	BY

S&ME
WWW.SMEINC.COM

COMPLETION REPORT OF SOIL BORING NO. MW-10

PROJECT:	City of Durham MSW Landfill	APPROXIMATE ELEVATION:	284.00
PROJECT NO:	1054-07-469	BORING DEPTH (FT.):	14.8
PROJECT LOCATION:	Durham, North Carolina	LOGGED BY:	SDL
DRILLING CONTRACTOR:	S&ME		
DRILLING METHOD:	4¼" H.S.A.		
DATE DRILLED:	8/20/2008		

STRATA DESCRIPTION	SYMBOL	DEPTH (feet)	WELL DETAILS	DEPTH (feet)	LEGEND	SPT (N-value)	ELEVATION (feet)	FID (ppm)	PID (ppm)
Ground Surface							284.00		
Slightly silty SAND - SAND		0.0							
Sandy silty CLAY w/ silty CLAY layers, moist @ 3.5'				2.61 3.61	TOC CG BS		279.00		
Very slightly clayey silty SAND, moist		5.0							
SAND, wet									
Slightly clayey silty SAND, moist							274.00		
Very slightly clayey silty SAND		10.0							
Very slightly silty SAND to SAND w/ weathered rock - partially weathered rock				14.61 14.8	FP BSC TD				
Boring terminated at 14.8' bgs, well set at 14.61' bgs									

WELL CONSTRUCTION DETAILS

PROTECTIVE CASING
- Diameter:
- Type:
- Interval:

OUTER CASING
- Diameter:
- Type:
- Length:

RISER CASING
- Diameter:
- Type:
- Interval:

GROUT
- Type: **cement**
- Interval: **0 -2.61**

SEAL
- Type: **bentonite**
- Interval: **2.61 -3.61**

FILTERPACK
- Type: **#2 sand**
- Interval: **3.61 - 14.8**

SCREEN
- Diameter: **2"**
- Type: **Sch 40 pvc**
- Interval: **4.61 - 14.61**

LEGEND
- ▽ = Water Level At Termination of Boring (TOB)
- ▼ = Water Level After 24 Hours
- BS = Bentonite Seal
- FP = Filter Pack
- CG = Cement Grout
- BSC = Bottom of Screen
- REC = Core Recovery
- RQD = Rock Quality Designation

NOTES: Ground surface elevation is 282.11

S&ME
ENGINEERING • TESTING
ENVIRONMENTAL SERVICES
3201 Spring Forest Road
Raleigh, NC 27616

COMPLETION REPORT OF WELL NO. MW-10

NON RESIDENTIAL WELL CONSTRUCTION RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION # 2254-A

1. WELL CONTRACTOR:

Seth Low
Well Contractor (Individual) Name

S&ME, Inc.
Well Contractor Company Name

STREET ADDRESS 3201 Spring Forest Road

Raleigh | NC | 27616
City or Town | State | Zip Code

(919) 872-2660
Area code- Phone number

2. WELL INFORMATION:

SITE WELL ID #(if applicable) MW-10

WELL CONSTRUCTION PERMIT#(if applicable) NONE

OTHER ASSOCIATED PERMIT #(if applicable) NONE

3. WELL USE (Check Applicable Box) Monitoring ☒ Municipal/Public ☐ Industrial/Commercial ☐ Agricultural ☐ Recovery ☐ Injection ☐ Irrigation ☐ Other ☐ (list use)

DATE DRILLED August 20 2008

TIME COMPLETED 12:30 AM ☐ PM ☒

4. WELL LOCATION:

CITY: Durham COUNTY Durham

City of Durham - Closed MSW Landfill
(Street Name, Numbers, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING:
☐ Slope ☐ Valley ☒ Flat ☐ Ridge ☐ Other
(check appropriate box)

LATITUDE N° 36° 01' 58.79"

LONGITUDE W° 78° 57' 37.37

May be in degrees, minutes, seconds or in a decimal format

Latitude/longitude source: ☐ GPS ☒ Topographic map
(location of well must be shown on a USGS topo map and attached to this form if not using GPS)

5. FACILITY- is the name of the business where the well is located.

FACILITY ID #(if applicable) MSW Landfill Permit #32-01

NAME OF FACILITY City of Durham Closed MSWLF

STREET ADDRESS 2115 E Club Blvd.

Durham | NC | 27704
City or Town | State | Zip Code

CONTACT PERSON Nancy Newell, P.E.

MAILING ADDRESS 1600 Mist Lake Drive

Durham | NC | 27704
City or Town | State | Zip Code

(919) 560-4381
Area code - Phone number

6. WELL DETAILS:

a. TOTAL DEPTH: 16.4'

b. DOES WELL REPLACE EXISTING WELL? YES ☐ NO ☒

c. WATER LEVEL Below Top of Casing: 8.4' FT.
(Use "+" if Above Top of Casing)

d. TOP OF CASING IS +3.1' FT. Above Land Surface*
*Top of casing terminated at/or below land surface may require a variance in accordance with 15A NCAC 2C .0118.

e. YIELD (gpm): _____ METHOD OF TEST _____

f. DISINFECTION: Type _____ Amount _____

g. WATER ZONES (depth):

MOIST	From 3.5' To 5.5	From	To
WET	From 5.5' To 8'	From	To
MOIST	From 8' To 9'	From	To

7. CASING:

Depth		Diameter	Thickness/Weight	Material
From +3.1	To 3.3' Ft.	2"	SCH 40	PVC
From	To Ft.			
From	To Ft.			

8. GROUT:

Depth		Material	Method
From 0.5	To 1.3' Ft.	PORTLAND CEMENT	FREE POUR
From	To Ft.		
From	To Ft.		

9. SCREEN:

Depth		Diameter	Slot Size	Material
From 3.3'	To 13.3' Ft.	2" in.	.010 in.	PVC SCH 40
From	To Ft.	in.	in.	
From	To Ft.	in.	in.	

10. SAND/GRAVEL PACK:

Depth		Size	Material
From 2.3'	To 13.3' Ft.	#2	SAND
From 1.3'	To 2.3' Ft.	3/8	BENTONITE PELLETS
From	To Ft.		

11. DRILLING LOG

From	To	Formation Description
0.5	1.5'	SCL SISA - SA
1.5'	4'	SA SICL w/ SICL layers
4'	5.5'	VSL CL SISA
5.5'	8'	SA
8'	9'	SL CL SISA
9'	13.5'	VSL CL SISA
13.5	14.8'	VSL SISA - SA w/ [illegible]

12. REMARKS:

I DO HEREBY CERTIFY THAT THIS WELL WAS CONSTRUCTED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

Seth D. Low 8-20-2008
SIGNATURE OF CERTIFIED WELL CONTRACTOR DATE

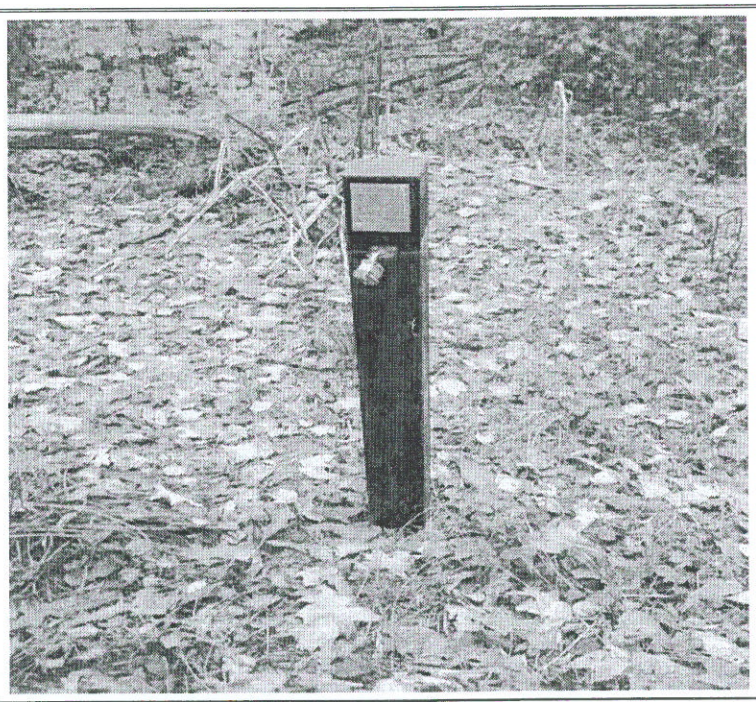
SETH D. LOW
PRINTED NAME OF PERSON CONSTRUCTING THE WELL

Submit the original to the Division of Water Quality within 30 days. Attn: Information Mgt., 1617 Mail Service Center – Raleigh, NC 27699-1617 Phone No. (919) 733-7015 ext 568.

Form GW-1b
Rev.12/07

City of Durham Closed MSWLF
Monitoring Well Installation Report
Project # 1054-07-469
Sheet 1 of 1

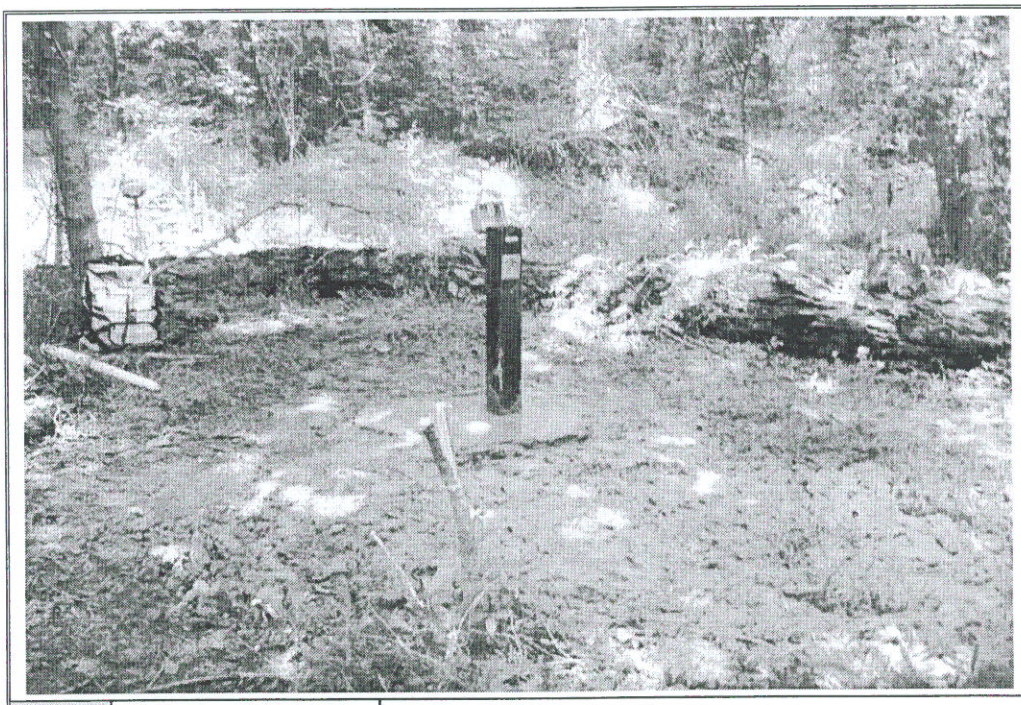
S&ME
3201 Spring Forest Road
Raleigh, NC 27616



Date: November 2007

Photographer: Gerald Paul

1	**Location / Orientation**	Monitor Well MW-6R facing east
	Remarks	Monitoring well at the edge of the landfill waste boundary



Date: August 20, 2008

Photographer: Gerald Paul

2	**Location / Orientation**	Monitor well MW-10 facing east
	Remarks	Monitor well located along the edge of an unnamed tributary of Ellerbee Creek