WATER QUALITY MONITORING REPORT

SECOND SEMI-ANNUAL 2011 SAMPLING EVENT

Closed Henderson County Landfill, Permit No. 45-01

Henderson County, North Carolina

Submitted To:

Henderson County Solid Waste Division
802 Stoney Mountain Road
Hendersonville, NC 28791 USA

Submitted By: Golder Associates NC, Inc.
5B Oak Branch Drive
Greensboro, NC. 27407 USA

December 2011 **0839-650611.100**

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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).
- 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):

Golder Associates NC, Inc. on behalf of Henderson County

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

Name: David Y. Reedy II Phone: 336-852-4903

E-mail: dreedy@golder.com

Facility name:	Facility Address:	Facility Permit #	NC Landfill Rule: (.0500 or .1600)	Actual sampling dates (e.g., October 20-24, 2006)
Henderson County Closed Landfill	802 Stoney Mountain Road Hendersonville, NC 28791	45-01	.1600/.0500	September 20-22, 2011

Environmental Status: (Check all that apply)

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

Type of data submitted: (Check all that apply)

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

David Y. Reedy II, P.G. Senior Project Hydrogeologist 336-852-4903

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

Signature 12-14-11 Date

Affix NC Licensed/ Professional Geologist Seal

NORTH CAROLINA LICENSED SEAL 1963 GEOLOGIST DAVID YATES REEDY, II 12-14-11

Golder Associates NC, Inc., 5B Oak Branch Drive, Greensboro, NC 27407

Facility Representative Address

C-2862

NC PE Firm License Number (if applicable effective May 1, 2009)

Revised 6/2009

December 14, 2011 0839-650611.100

Ms. Jackie Drummond
Department of Environment and Natural Resources
Division of Waste Management
Solid Waste Section
401 Oberlin Road, Suite 150
Raleigh, North Carolina 27605
919-733-4996

RE: WATER QUALITY MONITORING REPORT, SECOND SEMI-ANNUAL 2011 SAMPLING EVENT
CLOSED HENDERSON COUNTY LANDFILL, PERMIT NO. 45-01
HENDERSON COUNTY, NORTH CAROLINA

Dear Jackie:

On behalf of Henderson County, Golder Associates NC, Inc. (Golder) is submitting the enclosed *Water Quality Monitoring Report,* which documents the results of the September 20-22, 2011, compliance monitoring event at the closed municipal solid waste (MSW) landfill and closed construction and demolition (C&D) landfill at the above-referenced facility. The C&D landfill monitoring wells were sampled for the NC Appendix II list of constituents for the first time during this event. Samples could not be collected from the C&D downgradient monitoring well MW-11 during the September 2011 event due to a damaged riser pipe. The well will be repaired or replaced before the next scheduled compliance monitoring event.

Seven inorganic constituents (barium, beryllium, chromium, copper, lead, mercury, and zinc) were detected at the closed MSW landfill at concentrations above their respective Solid Waste Section Limits (SWSLs) in samples from one or more downgradient monitoring wells during the September 2011 monitoring event. Three of those constituents (barium, chromium, and lead) were detected in samples from one or more downgradient wells at concentrations that exceeded North Carolina Groundwater Quality Standards (2L Standards). The concentration of barium, chromium, and lead in samples from MW-8 and lead in the sample from MW-6 were statistically evaluated in accordance with the procedures outlined in 15A NCAC 13B.1632(g) and (h) to determine if the reported concentrations exceeded the facility background concentrations. The concentrations of barium and chromium in the sample from MW-8 were determined to be above background concentrations. Cobalt, thallium, and vanadium were detected in samples from downgradient wells at the closed MSW facility at estimated concentrations below their SWSLs, but above their respective 2L Standards or Solid Waste Section Groundwater Protection Standards (GPSs). No other NC Appendix I inorganic constituents exceeded their respective 2L Standards or GPSs during the September 2011 event for the closed MSW facility.

Twelve NC Appendix I volatile organic constituents (VOCs) (acetone; benzene; chlorobenzene; 1,2-dichlorobenzene; 1,4-dichlorobenzene; cis-1,2-dichloroethene; ethylbenzene; methylene chloride; tetrachloroethene; toluene; trichloroethene; and vinyl chloride) were detected above their respective SWSLs in samples from one or more downgradient monitoring wells at the closed MSW landfill during the September 2011 event. Four of these VOCs (benzene; 1,4-dichlorobenzene; tetrachloroethene; and vinyl chloride) were detected at concentrations that exceeded their respective 2L Standards in samples from one or more downgradient wells. Vinyl chloride was also detected at an estimated concentration below the SWSL, but above the 2L Standard in the sample from assessment well AMW-1D. These detected constituents and concentrations are generally consistent with reported concentrations during previous events at the closed MSW landfill.

One NC Appendix II inorganic constituent (zinc) was detected at the closed C&D landfill in samples from downgradient monitoring wells at concentrations above its SWSL, but below the 2L Standard during the September 2011 event. Vanadium was detected at an estimated concentration in the sample from downgradient well MW-12 at the closed C&D landfill below the SWSL, but above the GPS during the event. Indicator parameters iron and manganese were detected in samples from one or more downgradient monitoring well above their respective SWSLs and 2L Standards. Based on zinc, iron, and manganese concentrations from recent samples from background well MW-10, the concentrations in samples from downgradient wells appear to be naturally occurring.

Two VOCs (methylene chloride and trichlorofluoromethane) were detected in samples from one or more downgradient wells above their respective SWSLs, but below their applicable groundwater standards during the September 2011 event at the closed C&D landfill. No VOCs were detected above 2L Standards during the event.

Zinc was detected in surface water monitoring point BR-3 above its respective surface water standard during the September 2011 sampling event. Zinc has been detected in BR-3 and all other surface water monitoring points at similar or higher concentrations during previous events. No VOCs were detected above the SWSLs in surface water samples during the September 2011 event.

Based on these results, the uppermost aquifer beneath the MSW landfill should continue to be monitored in accordance with the requirements of the Assessment Monitoring Program as outlined in Title 15A of North Carolina Administrative Code (NCAC) Subchapter 13B Rule.1634. Based on the results from the D&D landfill, Henderson County requests that groundwater samples from future sampling events at the C&D landfill be analyzed for the NC Appendix I list plus the C&D indicator parameters. The next sampling event is tentatively scheduled for March 2012. Henderson County is continuing with groundwater assessment activities for the MSW facility as presented in the Work Plan, approved by NCDENR on December 18, 2009. If you have any questions, please contact the undersigned at 336-852-4903.

GOLDER ASSOCIATES NC, INC.

David "Dusty" Y. Reedy II, P.G.
Senior Project Hydrogeologist

Rachel P. Kirkman, P.G.
Associate and Senior Geologist

C: Marcus Jones, P.E., Director of Engineering, Henderson County, 100 North King Street, Hendersonville, NC 28792. 828-694-6560. majones@hendersoncountync.org (electronic copy)

Natalie Berry, P.E., Assistant County Engineer, Henderson County Landfill, 802 Stoney Mountain Road, Hendersonville, NC 28791. 828-697-4505. nberry@hendersoncountync.org

Rachel P. Kirkman, P.G., Associate and Senior Geologist, Golder Associates of NC, Inc., 5B Oak Branch Drive, Greensboro, NC 27407. 336-852-4903. rkirkman@golder.com

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1.0 INTRODUCTION

This report summarizes the monitoring results from the September 20-22, 2011, groundwater and surface water sampling and analysis event at the closed Henderson County Landfill in Henderson County, North Carolina in accordance with Title 15A of the North Carolina Administrative Code (NCAC) Subchapter 13B.1632 and NCAC Subchapter 13B.0544. The Henderson County Landfill, which consists of a closed municipal solid waste (MSW) and a closed construction and demolition (C&D) landfill, is maintained by the County under Permit No. 45-01 issued by the North Carolina Department of Environment and Natural Resources (NCDENR).

1.1 Site Description and Background

The location of the facility is shown on the inlay on Drawing 1. As presented, the closed Henderson County Landfill is located approximately 3 miles northwest of the city of Hendersonville, off Stoney Mountain Road. The County maintains an approximately 120-acre landfill facility that consists of a closed, unlined C&D over MSW facility; a closed, unlined C&D facility; a closed, unlined facility formerly operated by the Tennessee Valley Authority (TVA); and an active transfer station. A white goods area, a mulching area, and a beneficial reuse area are also present on the property. The MSW facility is subject to Assessment Monitoring in accordance with .1634 of the Solid Waste Management Rules (SWMR) and the Transition Plan for the facility. The C&D facility is subject to water quality monitoring in accordance with the January 1, 2007, revision to the C&D Rules (.0544 of the SWMR).

The facility has been in operation since the 1940s, beginning with the TVA landfill. In January 1998, the MSW facility ceased accepting MSW waste and began placing C&D waste over the MSW waste. After closure of the C&D-over-MSW area, a new C&D landfill began operation on the southeastern portion of the facility property. The C&D-over-MSW area was capped with a modified clay cap. The County ceased accepting waste at the stand-alone C&D landfill on June 30, 2008, and completed closure activities on June 30, 2009.

The landfill is bounded to the north and east by residential and undeveloped wooded properties, to the south by Stoney Mountain Road and residential and wooded properties, and to the west by a tributary of Mill Pond Creek, a North Carolina Department of Transportation maintenance yard, and a Henderson County School bus maintenance facility. Topographic relief at the landfill ranges from approximately 2170 to 2590 feet above mean sea level. Surface drainage from the facility is predominantly to the southwest toward several streams along the western and southern portions of the property. These features drain into Mill Pond Creek located southwest of the landfill.

1.2 Compliance Monitoring History

Henderson County monitors water quality at the closed MSW landfill by sampling one upgradient background monitoring well (MW-5), and three downgradient monitoring wells (MW-6, MW-7, and MW-8) semi-annually. Two assessment monitoring wells (AMW-1S and AMW-1D) have also been monitored

semi-annually since April 2002. Samples from the wells have historically been analyzed for the NC Appendix II list for the first semi-annual event and the NC Appendix I list plus mercury during the second semi-annual event.

Based on the documented volatile organic compound (VOC) exceedances of applicable groundwater standards, the County submitted an *Additional Groundwater Assessment Proposed Work Plan* to NCDENR on September 26, 2008. NCDENR approved the Work Plan on April 17, 2008, and the County submitted the *Assessment Report* on June 3, 2008. As part of the *Assessment Report*, assessment monitoring wells AMW-2S and AMW-2D were installed to further delineate the VOC plume. As part of this submittal, Camp Dresser & McKee (CDM) recommended that AMW-2S and AMW-2D continue to be sampled semi-annually. On September 17, 2009, representatives of the County and Golder met with NCDENR and submitted a Groundwater Assessment Work Plan to NCDENR to address continued assessment activities at the MSW and C&D facilities. During the meeting, it was verbally agreed that well MW-9 would no longer be sampled and would remain for water level collection, and wells AMW-1S, AMW-1D, AMW-2S, and AMW-2D would be sampled for NC Appendix I constituents plus mercury. A follow-up email was received on September 18, 2009, regarding approval to discontinue monitoring MW-9 and on February 2, 2010, regarding approval of reduced analytical parameters for the four assessment monitoring wells. In a letter to the County dated May 12, 2011, NCDENR requested that MW-9 be sampled on an annual basis for NC Appendix I constituents to monitor the closed TVA landfill.

Four surface water monitoring points, BR-1, BR-2, BR-3, and SW-1, have been monitored semi-annually for NC Appendix I parameters. In response to leachate seeps initially observed in September 2010, two temporary surface water monitoring points (TSW-1 and TSW-2) were added to the routine semi-annual water quality monitoring events at the closed MSW facility. The temporary surface water points are to be sampled semi-annually for at least five years from the date of the first sampling event of March 2011.

The County monitors water quality at the C&D facility by sampling one upgradient monitoring well (MW-10), and three downgradient monitoring wells (MW-11, MW-12, and MW-13) semi-annually. Samples from the wells have been analyzed for the NC Appendix I list plus mercury and indicator parameters. On September 28, 2010, the County submitted an *Alternate Source Demonstration* (ASD) to NCDENR in response to VOC concentrations detected in samples from the closed C&D landfill downgradient monitoring wells. Based on the data and evaluations from the ASD, it was apparent that leachate from the C&D disposal unit is not the source of the VOC concentrations. Additionally, the data suggest that the source of the VOCs in samples from the monitoring wells is most likely landfill gas. On May 12, 2011, NCDENR issued a letter to the County to initiate an Assessment Monitoring Program at the C&D facility. The County submitted an Assessment Monitoring Work Plan to NCDENR on September 21, 2011, and sampled the C&D landfill monitoring wells for the NC Appendix II list of constituents during the September 2011.

1.3 Hydrogeologic Setting

Geologically, the facility is located within the Chauga Belt of the Blue Ridge Physiographic Province of North Carolina (NCGS, 1985 and 2004). The Chauga Belt is comprised of Cambrian intrusive metamorphic rocks of monzonitic to granodioritic origin. The Chauga Belt is considered a low-grade metamorphic part of the Inner Piedmont Belt and is bordered to the west by the Brevard thrust fault zone. The facility is underlain primarily by the Henderson Gneiss which is a medium-gray, biotite granite augen composed of microcline, oligoclase, quartz, biotite, and minor amounts of muscovite, epidote, and titanite (Butler and Secor, 1991). The topography of the area is characterized by rolling, rounded hills with broad valleys and moderately steep ravines typically containing streams.

The uppermost groundwater beneath the facility is present in a shallow, unconfined aquifer comprised of partially weathered, fractured, metamorphic intrusive rock. Topographic relief at the site ranges from an elevation of approximately 2590 feet above mean sea level (AMSL) along the eastern property boundary and slopes downward to the southwest to an approximate elevation of 2170 feet AMSL along the western property boundary. As a result of the varying topographic relief at the site, groundwater occurs at depths of ranging from approximately 6 to 55 feet below grade. Depth-to-water measurements obtained during the September 2011 monitoring event are summarized in Table 1 and were used to prepare a groundwater surface contour map presented as an overlay on Drawing 1.

As presented, the groundwater flow in the uppermost aquifer beneath the site is generally toward the southwest toward a tributary of Mill Pond Creek, which is located along the western property boundary of the site. The groundwater contour map and interpreted flow directions are generally consistent with previously submitted groundwater contour maps and flow directions.

Based on the September 2011 groundwater surface contour map, the average hydraulic gradient in the shallow aquifer underlying the MSW landfill was calculated to be approximately 0.084 foot/foot (Table 2). The hydraulic gradient underlying the C&D landfill was calculated to be approximately 0.275 foot/foot (Table 2). A hydraulic conductivity of 1.26E-04 centimeters/second is used based on an average of previous hydraulic conductivities calculated for specific wells (CDM, October 2008). An estimated effective porosity of 0.15 was used for the shallow aquifer to represent a range from saprolite to fractured rock (CDM, December 2008).

Using the above values, the estimated rate of groundwater flow for the uppermost aquifer beneath the facility was calculated using the following modified Darcy equation:

$$V_{gw} = Ki/n_e$$

where V_{gw} = average linear velocity (feet/year), K = hydraulic conductivity (feet/year), i = horizontal hydraulic gradient, and n_e = effective porosity.

The average estimated linear groundwater flow velocity under the MSW landfill is approximately 73 feet/year, which is generally consistent with previous estimates (Table 2). The average estimated linear groundwater flow velocity under the C&D landfill is approximately 240 feet/year (Table 2). The range of groundwater flow is expected to vary depending on the hydrogeologic unit in which it occurs. However, the linear velocity equation above makes the simplified assumptions of a homogeneous and isotropic aquifer. Therefore, this equation represents a likely average value for the uppermost aquifer and does not account for heterogeneous and/or anisotropic conditions that may be present in the uppermost aquifer at the facility.

2.0 FIELD PROGRAM, MONITORING RESULTS, AND DISCUSSION

Field activities conducted for the September 2011 sampling event are discussed in the following sections.

2.1 Visual Inspection Program

In order to ensure that a potential release is detected at the earliest possible time, the visual inspection program is used by sampling personnel at the closed Henderson County Landfill. This program includes physical indicators such as potential water table mounding beneath the waste management unit, physical examination of any stresses in biological communities, visible signs of leachate migration (i.e., leachate seeps), unexplained changes in soil characteristics, and any other change to the environment due to the waste management unit. During the September 2011 compliance monitoring event, no physical indicators of a potential release were observed in the vicinity of the waste management area.

2.2 Well Network and Groundwater Elevation Measurements

The network of groundwater monitoring wells at the closed Henderson County MSW landfill consists of one upgradient monitoring well (MW-5) and three downgradient monitoring wells (MW-6, MW-7, and MW-8). Four assessment monitoring wells (AMW-1S, AMW-1D, AMW-2S, and AMW-2D) are also monitored during each semi-annual monitoring event. Four surface water monitoring points, BR-1, BR-2, BR-3, and SW-1, are monitored semi-annually. At the request of NCDENR, temporary surface water monitoring points TSW-1 and TSW-2 have been added to the monitoring network at the closed MSW landfill. Monitoring well and surface water point locations are shown on Drawing 1. Monitoring wells MW-6, MW-7, MW-8, AMW-1S, and AMW-2S are screened in the shallow, unconfined aquifer. Monitoring wells MW-5, AMW-1D, AMW-2D are screened in fractured bedrock.

The network of groundwater monitoring wells at the closed C&D landfill consists of one upgradient monitoring well (MW-10), and three downgradient monitoring wells (MW-11, MW-12, and MW-13). The four wells are screened in the shallow, unconfined aquifer to target the preferential flow path for groundwater underlying the closed C&D waste disposal areas.

Depth-to-water measurements were recorded to the nearest 0.01 foot prior to initiating groundwater purging and sampling activities. A summary of the current and available historical water level elevations are presented in Table 1.

As presented, the data indicate that the hydraulic head level in the uppermost aquifer beneath the facility is fairly consistent, with temporal variation from the long-term average ranging from approximately 2 to 12 feet (plus or minus). As expected, the range in fluctuation is greatest in the upgradient wells MW-5 and MW-10, as these wells are located in groundwater recharge areas. The range of fluctuation in downgradient compliance wells, which are located closer to groundwater discharge areas, is less, presumably due to the stabilizing effect of the hydraulic discharge boundary.

2.3 September 2011 Groundwater and Surface Water Monitoring Event

Personnel from Golder visited the facility on September 20-21, 2011, to purge and sample the 12 monitoring wells (MW-5, MW-6, MW-7, MW-8, MW-10, MW-11, MW-12, MW-13, AMW-1S, AMW-1D, AMW-2S, and AMW-2D) at the closed MSW and C&D landfills and to sample six surface water monitoring points (BR-1, BR-2, BR-3, SW-1, TSW-1, and TSW-2). Depth-to-water measurements were obtained from the monitoring wells to the nearest 0.01 foot using an electronic water level indicator prior to purging the wells.

Monitoring well MW-11 could not be sampled due to a damaged polyvinyl chloride riser pipe. The well will be repaired or replaced before the first semi-annual water quality monitoring event of 2012. The remaining 11 monitoring wells were purged and sampled with disposable bailers. At least three casing volumes of groundwater were removed from each well prior to sampling. Measurements of temperature, pH, specific conductivity, and turbidity were recorded after each purge volume and at the time of sampling with field-calibrated instruments to monitor groundwater quality.

The groundwater samples were collected directly from the bailer in the labeled, laboratory-supplied, pre-preserved sample containers after purging was completed. 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.

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 A. Included on each log is a description of the sampling equipment, sampling location, sampling method, field observations, and water quality measurements.

The surface water samples BR-1, BR-2, BR-3, SW-1, TSW-1, and TSW-2 were collected by lowering the sample containers into the stream flow with the opening facing away from the current flow, taking care to prevent the overflow of the sample containers and to minimize sample-induced turbidity. Measurements of temperature, pH, specific conductivity, oxidation-reduction potential, dissolved oxygen, and turbidity were recorded during the collection of the surface water samples.

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 A. Included in each log is a description of the sampling equipment, sampling location, sampling method, field observations, and water quality measurements.

2.4 Laboratory Analysis Program

The September 2011 groundwater and surface water samples were shipped to Environmental Conservation Laboratories, Inc. (ENCO) of Cary, North Carolina under chain-of-custody control. The samples were received at the laboratory on September 23, 2011, in good condition and properly preserved. Groundwater samples from the compliance MSW wells were analyzed for the NC Appendix I list of constituents plus mercury. Groundwater samples from the assessment MSW wells were analyzed for the NC Appendix I list of constituents plus mercury. Groundwater samples from the closed C&D facility were analyzed for the NC Appendix II list of constituents and tetrahydrofuran plus indicator parameters specified in Title 15A NCAC 13B.0566. Surface water samples BR-1, BR-2, BR-3, and SW-1 were analyzed for the NC Appendix I list of constituents. Surface water samples TSW-1 and TSW-2 were analyzed for the NC Appendix I list of VOCs.

2.5 September 2011 Sampling Results for the Closed MSW Landfill

Analytical results for the September 2011 groundwater samples at the closed MSW landfill are summarized in Table 3 with available historical data. The laboratory certificates-of-analysis, chain-of-custody form, and laboratory data reviews for the sampling event are included in Appendix B.

As presented, seven NC Appendix I inorganic constituents (barium, beryllium, chromium, copper, lead, mercury, and zinc) were detected at the MSW landfill at concentrations above their respective Solid Waste Section Limits (SWSLs) in samples from one or more downgradient monitoring wells during the September 2011 monitoring event. Twelve NC Appendix I VOCs (acetone; benzene; chlorobenzene; 1,2-dichlorobenzene; 1,4-dichlorobenzene; cis-1,2-dichloroethene; ethylbenzene; methylene chloride; tetrachloroethene; toluene; trichloroethene; and vinyl chloride) were detected above their respective SWSLs in one or more downgradient monitoring wells at the closed MSW landfill during the September 2011 event.

As presented, two NC Appendix I inorganic constituents (barium and zinc) were detected above their respective SWSLs in one or more surface water points during the September 2011 event. No VOCs were detected above their respective SWSLs in surface water points during the sampling event. No other inorganic or organic constituents were detected above the SWSLs at the MSW landfill during the September 2011 event.

2.6 September 2011 Sampling Results for the Closed C&D Landfill

Analytical results for the September 2011 groundwater samples at the closed C&D landfill are summarized in Table 4 with available historical data. The laboratory certificates-of-analysis, chain-of-custody form, and laboratory data reviews for the sampling event are included in Appendix B.

One NC Appendix I inorganic constituent (zinc) was detected in samples from one or more downgradient monitoring wells at concentrations above its respective SWSL during this event. Indicator parameters iron and manganese were detected in samples from one or more downgradient monitoring above their respective SWSLs.

Two NC Appendix I VOCs (methylene chloride and trichlorofluoromethane) were detected in samples from one or more downgradient wells their respective SWSLs during the September 2011 event at the closed C&D landfill. Tetrahydrofuran was detected in samples from MW-12 and MW-13 at quantifiable concentrations during the event.

3.0 LABORATORY AND FIELD QA/QC

A field blank was collected by Golder personnel as part of the September 2011 groundwater and surface water sampling event. In addition to the field blank, a laboratory-prepared trip blank accompanied the volatile sample containers for the September 2011 sampling event to and from the laboratory. ENCO analyzed the field blank for the NC Appendix II list of parameters and tetrahydrofuran, and the trip blank for NC Appendix II VOCs and tetrahydrofuran.

A review of the laboratory data was performed by Golder (Appendix B). Chloride and sulfate were detected at estimated concentrations in laboratory method blanks. Based on Golder's review, the detections of chloride and sulfate in MW-10 and MW-13 are considered blank-qualified.

4.0 DATA EVALUATION

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

4.1 North Carolina Groundwater and Surface Water Quality Standard Comparisons

As presented in Tables 3, 6 NC Appendix I inorganic constituents were detected at concentrations that exceeded their respective North Carolina 2L Groundwater Standards (2L Standards) or Solid Waste Section Groundwater Protection Standards (GPSs) in samples from monitoring wells at the MSW landfill during the September 2011 monitoring event. The concentrations of barium and chromium in the sample from MW-8 exceeded their respective SWSL and 2L Standard. Lead was detected in samples from MW-6 and MW-8 at concentrations above the SWSL and 2L Standard. Cobalt, thallium, and vanadium were detected in samples from downgradient wells at estimated concentrations below the SWSL, but above their respective NC 2L or GPSs. These constituents have been detected at similar concentrations

during previous events. No other NC Appendix I inorganic constituents exceeded their respective 2L Standards or GPSs during the September 2011 event for the closed MSW facility.

As presented on Table 3, 4 NC Appendix I organic constituents were detected at concentrations that exceeded their respective 2L Standards in samples from monitoring wells at the MSW landfill during the September 2011 event. Benzene was detected in samples from MW-6, MW-7, and AMW-1D at concentrations above the SWSL and 2L Standard. Constituent 1,4-dichlorobenzene was detected in samples MW-6 and MW-7 at concentrations above the SWSL and 2L Standard. Tetrachloroethene was detected in the sample from MW-8 at a concentration above the SWSL and 2L Standard. Vinyl chloride was detected in the sample from MW-7 at a concentration above SWSL and 2L Standard and in the sample from AMW-1D at an estimated concentration below the SWSL, but above the 2L Standard. These detected constituents and concentrations are generally consistent with reported concentrations during recent events at the closed MSW landfill.

As presented on Table 4, one NC Appendix I inorganic constituent was detected in a sample from a downgradient well at a concentration that exceeded a GPS or 2L Standard at the C&D landfill during the September 2011 event. Vanadium was detected at an estimated concentration in the sample from downgradient well MW-12 below its SWSL, but above its GPS during the event. Vanadium has been detected at similar concentrations in samples from downgradient wells during previous events. The concentrations of indicator parameters iron in the sample from MW-13 and manganese in samples from MW-12 and MW-13 exceeded their respective SWSLs and 2L Standards. Based on iron and manganese concentrations in recent samples from background well MW-10 and other downgradient wells, the concentrations of iron and manganese in samples from downgradient wells appear to be naturally occurring.

As presented on Table 4, no NC Appendix I VOCs were detected above 2L Standards during the September 2011 event at the closed C&D landfill. The detections of VOCs in downgradient monitoring wells may be associated with landfill gas as discussed in an Alternate Source Demonstration (ASD) submitted to NCDENR on September 28, 2010.

As presented on Table 5, zinc was detected in surface water monitoring point BR-3 above its surface water standard during the September 2011 sampling event. Zinc has been detected in BR-3 and other surface water monitoring points at similar concentrations in previous events. No other NC Appendix I inorganic constituents or VOCs were detected above applicable surface water standards during the September 2011 monitoring event.

4.2 Statistical Evaluations

As discussed above, three NC Appendix I inorganic constituents (barium, chromium, and lead) were detected above their respective SWSLs and a respective groundwater protection standard during the

September 2011 event in samples from one or more downgradient wells for the MSW landfill. The concentration of barium, chromium, and lead in samples from MW-8 and lead in the sample from MW-6 were statistically evaluated in accordance with the procedures outlined in 15A NCAC 13B.1632(g) and (h) to determine if the reported concentrations exceeded the facility background concentrations. The statistical worksheets are presented as Appendix C. The concentrations of barium and chromium in the sample from MW-8 were determined to be above background concentrations.

5.0 CONCLUSIONS

Due to the continued presence of VOCs above applicable groundwater standards, Henderson County will continue to monitor the uppermost aquifer beneath the MSW in accordance with the requirements of the Assessment Monitoring Program as outlined in Title 15A NCAC 13B.1634. Henderson County is also continuing with groundwater assessment activities as presented in the Work Plan, approved by NCDENR on December 18, 2009.

An ASD was submitted to NCDENR on September 28, 2010, to address the source of the VOCs in recent samples from the closed C&D landfill wells. Based on the data and evaluations from the ASD, it is apparent that leachate from C&D unit is not the source of the VOC concentrations that have been detected in the C&D landfill downgradient monitoring wells. Additionally, the data suggest that the source of the VOCs detected in these monitoring wells is most likely landfill gas. However, a letter from NCDENR dated May 12, 2011, instructed the County to initiate an Assessment Monitoring Program for the C&D facility. The County will continue Assessment Monitoring for the C&D facility. The next compliance monitoring event for this facility is tentatively scheduled for March 2012.

6.0 REFERENCES

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North Carolina Geologic Survey, 1985. Geologic Map of North Carolina

North Carolina Geologic Survey, 2004. Modified from 1991 Generalized Geologic Map (digital representation)

TABLES

TABLE 1

Summary of Historical Static Water Level Data
Henderson County Closed MSW and C&D Landfills, Permit No. 45-01

	Monitoring Well																
	MW-5	**MW-6**	**MW-7**	**MW-8**	**MW-9**	**MW-10**	**MW-11**	**MW-12**	**MW-13**	**AMW-1S**	**AMW-1D**	**AMW-2S**	**AMW-2D**	**MW-1 (Old)**	**MW-1**	**MW-2 (Old)**	**MW-2**
TOC Elevation (ft AMSL)	2389.82	2204.24	2210.66	2235.87	2259.59	2404.55	2307.72	2300.09	2296.33	2193.09	2190.77	2177.66	2177.58	2206.42	2205.76	2182.77	2182.07
Date	**Static Water Elevation (ft AMSL)**																
10/04/06	2334.31	2191.02	2191.61	2209.54	2244.64	--	--	--	--	2179.83	2176.67	--	--	--	--	--	--
03/21/07	--	--	--	--	--	2371.42	2266.46	2250.25	2252.90	--	--	--	--	--	--	--	--
10/02/07	2331.55	2188.19	2189.95	2207.85	2244.08	--	--	--	--	2176.63	2174.07	--	--	--	--	--	--
04/03/08	2326.17	2190.65	2190.63	2209.61	2244.03	--	--	--	--	2180.41	2177.04	--	--	--	--	--	--
10/29/08	2322.17	2186.73	2188.87	2206.91	2242.52	2364.42	2258.56	2246.56	2245.91	2175.87	2173.56	2168.25	2170.93	--	--	--	--
03/24/09	2319.25	2188.30	2189.28	2208.43	2242.21	2363.04	2256.50	2244.43	2244.51	2178.99	2176.04	2169.29	2172.05	--	--	--	--
09/21-24/09	2326.37	2194.99	2190.56	2209.46	2243.29	2367.33	2258.97	2245.20	2245.56	2180.79	2177.56	2170.17	2174.88	2200.47	2200.58	2174.92	2174.14
03/22-23/10	2342.62	<2185.22	2193.88	2208.53	2236.04	2376.31	2258.18	2250.60	2253.17	2182.71	2178.32	2170.28	2173.33	2200.91	2201.11	2175.02	2164.27
09/21-22/10	2338.34	2189.98	2191.49	2210.62	2245.16	2369.83	2267.16	2250.78	2253.84	2177.74	2173.85	2171.40	2170.92	2199.72	2199.58	2163.77	2171.73
03/15-16/11	2333.36	2194.83	2191.45	2211.13	2245.10	2367.12	2263.36	2248.90	2251.00	2181.44	2176.77	2169.72	2171.74	2200.61	2200.72	2174.81	2173.04
09/20-21/11	2331.91	2189.10	2190.61	2209.78	2244.95	2368.37	2260.95	2249.18	2250.57	2177.42	2173.77	2168.40	2170.86	2199.74	2199.44	2173.97	2171.72
MEAN	*2330.61*	*2190.42*	*2190.83*	*2209.19*	*2243.20*	*2368.48*	*2261.27*	*2248.24*	*2249.68*	*2179.18*	*2175.77*	*2169.64*	*2172.10*	*2200.29*	*2200.29*	*2172.50*	*2170.98*
MAXIMUM	*2342.62*	*2194.99*	*2193.88*	*2211.13*	*2245.16*	*2376.31*	*2267.16*	*2250.78*	*2253.84*	*2182.71*	*2178.32*	*2171.40*	*2174.88*	*2200.91*	*2201.11*	*2175.02*	*2174.14*
MINIMUM	*2319.25*	*2186.73*	*2188.87*	*2206.91*	*2236.04*	*2363.04*	*2256.50*	*2244.43*	*2244.51*	*2175.87*	*2173.56*	*2168.25*	*2170.86*	*2199.72*	*2199.44*	*2163.77*	*2164.27*

Notes: ft AMSL = feet above mean sea level.
TOC = top of casing
-- = no data available
Historical data prior to March 2009 provided by Henderson County and CDM.
The stick-ups on monitoring wells MW-9, MW-11, and MW-13 were modified prior to the September 2011 event and the TOC elevations for those wells have been resurveyed.

TABLE 2

Summary of Estimated Horizontal Flow Velocities
Henderson County Closed MSW and C&D Landfills, Permit No. 45-01

September 2011							
Gradient Calculation Segment	**Flow Direction**	**Gradient Segment Length (feet)**	**Gradient Segment Elevations (feet)**	**Horizontal Gradient (i, feet)**	**Effective Porosity (n_e)**	**Hydraulic Conductivity (K, cm/sec)**	**Velocity (V_{gw}, feet/year)**
i_1	SW	1677	2320 / 2180	0.0835	0.15	1.26E-04	72.73
i_2	SSW	1421	2320 / 2200	0.0845	0.15	1.26E-04	73.59
i_3	WSW	363	2360 / 2260	0.2754	0.15	1.26E-04	239.90

Notes: Horizontal velocities based on the modified Darcy equation $V_{gw} = Ki/n_e$.
Value for K is collected from the average of measured hydraulic conductivities from the December 2008 CDM Report.
Value for n_e is an estimated effective porosity used in previous CDM reports.

TABLE 3

Summary of Detected Constituents in MSW Monitoring Wells
Nature and Extent Study
Henderson County Closed MSW Landfill, Permit No. 45-01

				Upgradient Compliance Well	Downgradient Compliance Wells			Assessment Wells				TVA Well	Blanks
Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	MW-5	MW-6	MW-7	MW-8	AMW-1S	AMW-1D	AMW-2S	AMW-2D	MW-9	
Antimony	ug/L	12/05/94	6	ND	ND	ND	ND	--	--	--	--	ND	--
SWS GPS = 1 ug/L	ug/L	02/14/95	6	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/03/95	6	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/30/95	6	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/08/96	6	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/24/96	6	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	04/15/97	6	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/97	6	ND	ND	3	ND	--	--	--	--	ND	--
	ug/L	05/14/98	6	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/11/98	6	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	06/04/99	6	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/99	6	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/20/00	6	ND	ND	ND	ND	ND	--	--	--	ND	--
	ug/L	11/07/00	6	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	02/27/01	6	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	6	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/16/01	6	ND	ND	ND	ND	--	ND	--	--	ND	--
	ug/L	04/24/02	6	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/01/02	6	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/09/03	6	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/20/03	6	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	03/24/04	6	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/27/04	6	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	05/25/05	6	ND	ND	ND	--	ND	ND	--	--	ND	--
	ug/L	10/04/05	6	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/25/06	6	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/04/06	6	ND	ND	ND	ND	ND	ND	--	--	ND	ND
	ug/L	03/21/07	6	ND	ND	ND	ND	ND	ND	--	--	0.91 J	ND
	ug/L	10/02/07	6	ND	ND	ND	ND	ND	ND	--	--	ND	ND
	ug/L	04/03/08	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	10/29/08	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	03/24/09	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	6	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	03/22/10	6	ND	Dry	ND	0.441 J	ND	ND	ND	ND	--	ND
	ug/L	09/23/10	6	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	03/16/11	6	0.226 J	ND	0.286 J	ND	0.460 J	0.382 J	ND	0.365 J	--	ND
	ug/L	09/21/11	6	ND	0.478 J	0.408 J	0.287 J	ND	ND	ND	ND	--	ND
Arsenic	ug/L	12/05/94	10	ND	ND	ND	ND	--	--	--	--	ND	--
NC 2L = 10 ug/L	ug/L	02/14/95	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/03/95	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/30/95	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/08/96	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/24/96	10	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	04/15/97	10	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/97	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	05/14/98	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/11/98	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	06/04/99	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/99	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/20/00	10	ND	ND	ND	ND	ND	--	--	--	ND	--
	ug/L	11/07/00	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	02/27/01	10	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/16/01	10	ND	ND	ND	ND	--	ND	--	--	ND	--
	ug/L	04/24/02	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/01/02	10	ND	ND	ND	ND	10.1	ND	--	--	ND	--
	ug/L	04/09/03	10	ND	ND	ND	ND	ND	11.1	--	--	ND	--
	ug/L	10/20/03	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	03/24/04	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/27/04	10	ND	14.7	ND	21.3	ND	ND	--	--	ND	--
	ug/L	05/25/05	10	ND	ND	ND	--	ND	ND	--	--	ND	--
	ug/L	10/04/05	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/25/06	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/04/06	10	ND	ND	ND	ND	ND	ND	--	--	ND	ND
	ug/L	03/21/07	10	ND	0.84 J	0.94 J	0.46 J	1.13 J	ND	--	--	ND	ND
	ug/L	10/02/07	10	ND	ND	ND	ND	ND	ND	--	--	ND	ND
	ug/L	04/03/08	10	2.07 J	2.45 J	3.04 J	5.07 J	ND	ND	3.64 J	10.5	ND	ND
	ug/L	10/29/08	10	ND	13.9	7.18 J	ND	ND	5.98 J	5.38 J	2.96 J	ND	ND
	ug/L	03/24/09	10	ND	ND	ND	3.1 J	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	10	ND	5.40 B	7.18 B	ND	ND	ND	ND	ND	--	2.90 J
	ug/L	03/22/10	10	ND	Dry	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	09/23/10	10	ND	5.27 J	ND	4.58 J	ND	ND	ND	ND	--	ND
	ug/L	03/16/11	10	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	09/21/11	10	ND	ND	5.48 J	6.93 J	ND	ND	4.29 J	3.03 J	--	ND
Barium	ug/L	12/05/94	100	134	237	378	528	--	--	--	--	207	--
NC 2L = 700 ug/L	ug/L	02/14/95	100	ND	416	439	601	--	--	--	--	205	--
	ug/L	04/03/95	100	174	493	350	786	--	--	--	--	197	--
	ug/L	10/30/95	100	348	539	230	835	--	--	--	--	358	--
	ug/L	04/08/96	100	199	332	264	790	--	--	--	--	140	--
	ug/L	10/24/96	100	300	--	338	925	--	--	--	--	285	--
	ug/L	04/15/97	100	180	--	300	810	--	--	--	--	360	--
	ug/L	10/29/97	100	200	700	500	700	--	--	--	--	100	--
	ug/L	05/14/98	100	ND	ND	ND	628	--	--	--	--	ND	--
	ug/L	10/11/98	100	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	06/04/99	100	ND	ND	ND	552	--	--	--	--	ND	--
	ug/L	10/29/99	100	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/20/00	100	ND	ND	ND	ND	258	--	--	--	ND	--
	ug/L	11/07/00	100	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	02/27/01	100	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	100	ND	ND	ND	604	--	--	--	--	ND	--
	ug/L	10/16/01	100	ND	178	116	298	--	ND	--	--	ND	--
	ug/L	04/24/02	100	ND	ND	ND	642	ND	ND	--	--	ND	--
	ug/L	10/01/02	100	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/09/03	100	ND	ND	ND	522	ND	ND	--	--	ND	--
	ug/L	10/20/03	100	ND	ND	ND	720	ND	ND	--	--	ND	--
	ug/L	03/24/04	100	ND	ND	ND	829	ND	ND	--	--	ND	--
	ug/L	10/27/04	100	ND	530	ND	866	ND	ND	--	--	ND	--
	ug/L	05/25/05	100	ND	ND	ND	--	ND	ND	--	--	ND	--
	ug/L	10/04/05	100	ND	ND	ND	982	ND	ND	--	--	ND	--
	ug/L	04/25/06	100	ND	687	ND	822	ND	ND	--	--	ND	--
	ug/L	10/04/06	100	ND	562	ND	920	ND	ND	--	--	ND	ND
	ug/L	03/21/07	100	47.5 J	136	294	992	306	27.2 J	--	--	49.9 J	ND
	ug/L	10/02/07	100	135	904	198	695	563	37.4 B	--	--	54.3 B	16.1 J
	ug/L	04/03/08	100	87.8 J	86.8 J	144	714	476	20.3 B	44.3 B	39.4 B	65.9 J	10.1 J
	ug/L	10/29/08	100	69.9 J	795	227	429	930	28.2	24.9 J	19.4 J	62.1 J	ND
	ug/L	03/24/09	100	26.2 J	54.5 J	203	517	221	19.0 J	15.4 J	ND	56.7 J	ND
	ug/L	09/22/09	100	31.5 J	48.9 J	259	916	323	11.7 J	19.1 J	5.46 J	--	ND
	ug/L	03/22/10	100	28.2 J	Dry	268	693	79.9 J	23.1 J	9.57 J	4.16 B	--	1.54 J
	ug/L	09/23/10	100	34.3 J	335	302	1130	86.5 J	13.1 J	7.69 J	1.79 J	--	ND
	ug/L	03/16/11	100	71.3 J	39.4 J	417	414	216	8.14 J	85.4 J	2.71 J	--	ND
	ug/L	09/21/11	100	40.2 J	482	453	1370	214	12.2 J	14.0 J	2.07 J	--	ND
Beryllium	ug/L	12/05/94	1	ND	ND	3	7	--	--	--	--	ND	--
SWS GPS = 4 ug/L	ug/L	02/14/95	1	ND	ND	4	5	--	--	--	--	ND	--
	ug/L	04/03/95	1	ND	2	3	9	--	--	--	--	ND	--
	ug/L	10/30/95	1	ND	ND	ND	5	--	--	--	--	ND	--
	ug/L	04/08/96	1	ND	ND	ND	4	--	--	--	--	ND	--
	ug/L	10/24/96	1	ND	--	ND	4	--	--	--	--	ND	--
	ug/L	04/15/97	1	ND	--	ND	8	--	--	--	--	ND	--
	ug/L	10/29/97	1	ND	3	3	14	--	--	--	--	1	--
	ug/L	05/14/98	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/11/98	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	06/04/99	1	ND	ND	ND	2.4	--	--	--	--	ND	--
	ug/L	10/29/99	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/20/00	1	ND	ND	ND	ND	ND	--	--	--	ND	--
	ug/L	11/07/00	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	02/27/01	1	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/16/01	1	ND	ND	ND	ND	--	ND	--	--	ND	--
	ug/L	04/24/02	1	4.2	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/01/02	1	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/09/03	1	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/20/03	1	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	03/24/04	1	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/27/04	1	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	05/25/05	1	ND	ND	ND	--	ND	ND	--	--	ND	--
	ug/L	10/04/05	1	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/25/06	1	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/04/06	1	ND	ND	ND	ND	ND	ND	--	--	ND	ND
	ug/L	03/21/07	1	ND	ND	ND	1.06 J	5.1 J	ND	--	--	ND	ND
	ug/L	10/02/07	1	ND	ND	ND	ND	ND	ND	--	--	22.8 B	6.01
	ug/L	04/03/08	1	1.07	2.8	6.28	ND	5.41	3.2	ND	2.33	1.54	ND
	ug/L	10/29/08	1	4.60	5.96	2.23	10.2	10.7	5.45	10.7	2.23	11.2	ND
	ug/L	03/24/09	1	0.35 J	0.20 J	0.82 J	3.02	1.30	ND	0.18 J	ND	0.35 J	ND
	ug/L	09/22/09	1	0.438 J	0.299 J	0.771 J	1.26	0.438 J	ND	0.470 J	ND	--	ND
	ug/L	03/22/10	1	ND	Dry	0.635 J	ND	0.631 J	ND	ND	0.247 J	--	ND
	ug/L	09/23/10	1	0.198 J	ND	0.570 J	ND	0.492 J	ND	ND	ND	--	ND
	ug/L	03/16/11	1	0.208 J	ND	0.422 J	ND	1.06	ND	1.80	ND	--	ND
	ug/L	09/21/11	1	ND	0.183 J	0.707 J	1.13	1.37	ND	0.138 J	ND	--	ND

TABLE 3

Summary of Detected Constituents in MSW Monitoring Wells
Nature and Extent Study
Henderson County Closed MSW Landfill, Permit No. 45-01

				Upgradient Compliance Well	Downgradient Compliance Wells			Assessment Wells				TVA Well	Blanks
Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	MW-5	MW-6	MW-7	MW-8	AMW-1S	AMW-1D	AMW-2S	AMW-2D	MW-9	
Cadmium	ug/L	12/05/94	1	ND	ND	22	ND	--	--	--	--	ND	--
NC 2L = 2 ug/L	ug/L	02/14/95	1	ND	ND	3	ND	--	--	--	--	ND	--
	ug/L	04/03/95	1	ND	ND	1	ND	--	--	--	--	ND	--
	ug/L	10/30/95	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/08/96	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/24/96	1	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	04/15/97	1	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/97	1	ND	9	ND	ND	--	--	--	--	ND	--
	ug/L	05/14/98	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/11/98	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	06/04/99	1	ND	5.6	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/99	1	ND	1.2	ND	ND	--	--	--	--	ND	--
	ug/L	04/20/00	1	ND	2.3	1.7	ND	ND	--	--	--	ND	--
	ug/L	11/07/00	1	ND	15	ND	ND	--	--	--	--	ND	--
	ug/L	02/27/01	1	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	1	ND	3.2	ND	ND	--	--	--	--	ND	--
	ug/L	10/16/01	1	ND	2	--	ND	--	ND	--	--	ND	--
	ug/L	04/24/02	1	ND	2	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/01/02	1	ND	2	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/09/03	1	ND	1.35	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/20/03	1	ND	3.34	ND	ND	ND	ND	--	--	ND	--
	ug/L	03/24/04	1	ND	11.6	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/27/04	1	ND	1.31	1.28	1.08	1	ND	--	--	ND	--
	ug/L	05/25/05	1	ND	1.9	1.02	--	ND	ND	--	--	ND	--
	ug/L	10/04/05	1	ND	ND	1.39	ND	2.57	ND	--	--	ND	--
	ug/L	04/25/06	1	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/04/06	1	ND	1.73 J	1.27	ND	ND	ND	--	--	ND	ND
	ug/L	03/21/07	1	1.57 J	0.65 J	2.35 J	2.08 J	2.5 J	1.38 J	--	--	1.4 J	ND
	ug/L	10/02/07	1	ND	ND	1.63	0.4 J	ND	ND	--	--	ND	ND
	ug/L	04/03/08	1	ND	0.2 J	0.9 J	0.47 J	0.29 J	ND	ND	ND	ND	ND
	ug/L	10/29/08	1	ND	3.09	0.43 J	0.2 J	ND	ND	ND	ND	ND	ND
	ug/L	03/24/09	1	ND	0.22 J	0.18 J	1.06	0.61 J	ND	ND	ND	ND	ND
	ug/L	09/22/09	1	0.667 J	ND	0.659 J	0.627 J	ND	ND	1.24	ND	--	ND
	ug/L	03/22/10	1	ND	Dry	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	09/23/10	1	ND	ND	0.493 J	0.618 J	0.416 J	ND	ND	ND	--	ND
	ug/L	03/16/11	1	ND	0.517 J	ND	ND	1.07	ND	ND	ND	--	ND
	ug/L	09/21/11	1	ND	ND	0.666 J	0.441 J	0.841 J	ND	ND	ND	--	ND
Chromium	ug/L	12/05/94	10	ND	ND	56	ND	--	--	--	--	ND	--
NC 2L = 10 ug/L	ug/L	02/14/95	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/03/95	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/30/95	10	11	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/08/96	10	5	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/24/96	10	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	04/15/97	10	3	--	ND	2	--	--	--	--	2	--
	ug/L	10/29/97	10	3	8	2	2	--	--	--	--	1	--
	ug/L	05/14/98	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/11/98	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	06/04/99	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/99	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/20/00	10	ND	ND	ND	ND	ND	--	--	--	ND	--
	ug/L	11/07/00	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	02/27/01	10	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/16/01	10	ND	ND	ND	ND	--	ND	--	--	ND	--
	ug/L	04/24/02	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/01/02	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/09/03	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/20/03	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	03/24/04	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/27/04	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	05/25/05	10	ND	20.1	ND	--	ND	ND	--	--	ND	--
	ug/L	10/04/05	10	ND	14.9	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/25/06	10	ND	11.4	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/04/06	10	ND	11.3	ND	ND	ND	ND	--	--	ND	ND
	ug/L	03/21/07	10	3.33 J	3.81 J	6.01 J	4.12 J	2.7 J	1.29 J	--	--	1.44 J	ND
	ug/L	10/02/07	10	9.55 B	9.44 B	7.31 B	4.47 B	5.99 B	12.3 B	--	--	3.67 B	3.67 J
	ug/L	04/03/08	10	6.54 B	4.93 B	4.18 B	4.42 B	4.18 B	3.31 B	4.18 B	130	2.45 B	2.94 J
	ug/L	10/29/08	10	7.45 J	35.5	8.07 J	6.10 J	8.55	11.3	5.24 J	13.7	4.63 J	ND
	ug/L	03/24/09	10	ND	1.0 J	1.6 J	4.0 J	1.2 J	ND	ND	1.5 J	ND	ND
	ug/L	09/22/09	10	1.36 J	ND	1.99 J	3.28 J	1.14 J	ND	1.61 J	1.51 J	--	ND
	ug/L	03/22/10	10	ND	Dry	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	09/23/10	10	ND	ND	1.50 J	4.38 J	ND	ND	ND	ND	--	ND
	ug/L	03/16/11	10	2.55 J	1.32 J	2.90 J	3.29 J	1.60 J	ND	3.34 J	ND	--	ND
	ug/L	09/21/11	10	ND	6.75 J	5.20 J	12.4	ND	ND	ND	ND	--	ND
Cobalt	ug/L	12/05/94	10	ND	41	ND	ND	--	--	--	--	ND	--
SWS GPS = 1 ug/L	ug/L	02/14/95	10	ND	48	ND	ND	--	--	--	--	ND	--
	ug/L	04/03/95	10	ND	38	ND	ND	--	--	--	--	ND	--
	ug/L	10/30/95	10	ND	34	ND	ND	--	--	--	--	ND	--
	ug/L	04/08/96	10	ND	32	ND	ND	--	--	--	--	ND	--
	ug/L	10/24/96	10	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	04/15/97	10	2	--	19	2	--	--	--	--	3	--
	ug/L	10/29/97	10	ND	19	7	ND	--	--	--	--	ND	--
	ug/L	05/14/98	10	ND	53.4	17.3	ND	--	--	--	--	ND	--
	ug/L	10/11/98	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	06/04/99	10	ND	52.3	11.5	ND	--	--	--	--	ND	--
	ug/L	10/29/99	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/20/00	10	ND	ND	12.5	ND	14.3	--	--	--	ND	--
	ug/L	11/07/00	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	02/27/01	10	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	10	ND	14	ND	ND	--	--	--	--	ND	--
	ug/L	10/16/01	10	ND	ND	ND	ND	--	ND	--	--	ND	--
	ug/L	04/24/02	10	ND	17.9	ND	ND	16.1	ND	--	--	ND	--
	ug/L	10/01/02	10	ND	11.4	ND	ND	11.7	ND	--	--	ND	--
	ug/L	04/09/03	10	ND	13.1	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/20/03	10	ND	32.1	ND	ND	ND	ND	--	--	ND	--
	ug/L	03/24/04	10	ND	94.9	16	ND	ND	ND	--	--	ND	--
	ug/L	10/27/04	10	ND	120	18.5	ND	ND	ND	--	--	ND	--
	ug/L	05/25/05	10	ND	35.5	16.8	--	13.4	ND	--	--	ND	--
	ug/L	10/04/05	10	ND	23.5	16.2	ND	16.1	ND	--	--	ND	--
	ug/L	04/25/06	10	ND	18.8	13.9	ND	16.1	ND	--	--	ND	--
	ug/L	10/04/06	10	ND	15.4	13.4	ND	18.9	ND	--	--	ND	ND
	ug/L	03/21/07	10	1.13 J	11.3	12.6	1.5 J	16.2	ND	--	--	ND	ND
	ug/L	10/02/07	10	ND	ND	ND	ND	ND	ND	--	--	ND	ND
	ug/L	04/03/08	10	ND	12.4	ND	ND	15.1	ND	12.5	ND	ND	ND
	ug/L	10/29/08	10	3.55 J	35.9	5.16 J	3.74 J	24.8	ND	3.91 J	ND	ND	ND
	ug/L	03/24/09	10	0.6 J	3.1 J	ND	5.8 J	10.7	ND	4.0 J	ND	ND	ND
	ug/L	09/22/09	10	ND	4.81 J	ND	2.50 J	10.8	ND	ND	ND	--	ND
	ug/L	03/22/10	10	ND	Dry	ND	6.33 J	3.47 J	ND	ND	ND	--	ND
	ug/L	09/23/10	10	ND	2.13 J	ND	9.21 J	3.42 J	ND	ND	ND	--	ND
	ug/L	03/16/11	10	ND	ND	ND	2.87 J	8.51 J	ND	1.26 J	ND	--	ND
	ug/L	09/21/11	10	ND	3.73 J	ND	7.48 J	9.15 J	ND	ND	ND	--	ND
Copper	ug/L	12/05/94	10	ND	ND	19	ND	--	--	--	--	ND	--
NC 2L = 1000 ug/L	ug/L	02/14/95	10	10	ND	ND	ND	--	--	--	--	16	--
	ug/L	04/03/95	10	ND	ND	13	12	--	--	--	--	14	--
	ug/L	10/30/95	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/08/96	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/24/96	10	13	--	ND	ND	--	--	--	--	10	--
	ug/L	04/15/97	10	20	--	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/97	10	20	ND	ND	ND	--	--	--	--	ND	--
	ug/L	05/14/98	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/11/98	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	06/04/99	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/99	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/20/00	10	ND	ND	ND	ND	ND	--	--	--	ND	--
	ug/L	11/07/00	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	02/27/01	10	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/16/01	10	ND	ND	ND	ND	--	ND	--	--	ND	--
	ug/L	04/24/02	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/01/02	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/09/03	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/20/03	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	03/24/04	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/27/04	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	05/25/05	10	ND	ND	ND	--	ND	ND	--	--	ND	--
	ug/L	10/04/05	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/25/06	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/04/06	10	ND	ND	ND	ND	ND	ND	--	--	ND	ND
	ug/L	03/21/07	10	12.4	12.8	4.23 J	5.28 J	5.41 J	5.15 J	--	--	9.92 J	ND
	ug/L	10/02/07	10	33.9	16.7 B	6.61 B	7.24 B	9.14 B	6.91 B	--	--	5.94 B	6.41 J
	ug/L	04/03/08	10	23.4	23.9	4.54 B	6.53 B	5.54 B	5.75 B	5.89 B	10.6 B	4.58 B	4.46 J
	ug/L	10/29/08	10	16.5	145	7.91 J	8.17 J	8.61	9.49	6.93 J	7.82 J	6.28 J	ND
	ug/L	03/24/09	10	2.32 J	4.96 J	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	10	5.15 J	6.17 J	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	03/22/10	10	1.84 J	Dry	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	09/23/10	10	1.77 J	ND	ND	9.93 J	ND	ND	ND	ND	--	ND
	ug/L	03/16/11	10	9.85 J	6.75 J	ND	2.99 J	1.73 J	1.66 J	4.98 J	ND	--	ND
	ug/L	09/21/11	10	4.10 J	12.8	ND	14.2	ND	ND	ND	ND	--	ND

TABLE 3

Summary of Detected Constituents in MSW Monitoring Wells
Nature and Extent Study
Henderson County Closed MSW Landfill, Permit No. 45-01

				Upgradient Compliance Well	Downgradient Compliance Wells			Assessment Wells				TVA Well	Blanks
Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	MW-5	MW-6	MW-7	MW-8	AMW-1S	AMW-1D	AMW-2S	AMW-2D	MW-9	
Lead	ug/L	12/05/94	10	ND	7	27	7	--	--	--	--	ND	--
NC 2L = 15 ug/L	ug/L	02/14/95	10	ND	10	5	ND	--	--	--	--	ND	--
	ug/L	04/03/95	10	ND	12	ND	ND	--	--	--	--	ND	--
	ug/L	10/30/95	10	7	19	ND	ND	--	--	--	--	ND	--
	ug/L	04/08/96	10	ND	6	ND	ND	--	--	--	--	ND	--
	ug/L	10/24/96	10	8	--	7	ND	--	--	--	--	13	--
	ug/L	04/15/97	10	13	--	ND	12	--	--	--	--	12	--
	ug/L	10/29/97	10	9	36	5	11	--	--	--	--	ND	--
	ug/L	05/14/98	10	ND	14.4	ND	ND	--	--	--	--	ND	--
	ug/L	10/11/98	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	06/04/99	10	ND	11.9	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/99	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/20/00	10	ND	ND	ND	ND	ND	--	--	--	ND	--
	ug/L	11/07/00	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	02/27/01	10	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/16/01	10	ND	ND	ND	ND	--	ND	--	--	ND	--
	ug/L	04/24/02	10	24	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/01/02	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/09/03	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/20/03	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	03/24/04	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/27/04	10	ND	61.3	ND	17.4	ND	ND	--	--	ND	--
	ug/L	05/25/05	10	ND	11.9	ND	--	ND	ND	--	--	ND	--
	ug/L	10/04/05	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/25/06	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/04/06	10	ND	12.7	ND	ND	ND	ND	--	--	ND	ND
	ug/L	03/21/07	10	ND	6.56 J	3.69 J	ND	3.14 J	ND	--	--	1.9 J	ND
	ug/L	10/02/07	10	69.2 J	7.18 J	1.39 B	0.9 B	0.80 B	0.56 B	--	--	0.57 B	0.49 J
	ug/L	04/03/08	10	75.8 J	16.4	ND	8 J	6.43 J	3.78 J	6.16 J	12.5	6.23 J	ND
	ug/L	10/29/08	10	75.9 J	84.7	7.72 J	6.83 J	9.41	9.08	8.50 J	6.93 J	4.54 J	ND
	ug/L	03/24/09	10	3.3 J	5.6 J	1.6 J	6.2 J	2.5 J	1.6 J	3.1 J	ND	ND	ND
	ug/L	09/22/09	10	3.52 J	2.55 J	ND	3.17 J	2.50 J	ND	3.96 J	1.95 J	--	ND
	ug/L	03/22/10	10	ND	Dry	ND	2.20 J	ND	ND	ND	ND	--	ND
	ug/L	09/23/10	10	ND	ND	ND	12.2	ND	ND	ND	ND	--	ND
	ug/L	03/16/11	10	4.92 J	ND	ND	3.40 J	ND	ND	25.6	2.69 J	--	ND
	ug/L	09/21/11	10	ND	15.5	3.27 J	18.5	2.57 J	ND	ND	ND	--	ND
Mercury	ug/L	12/05/94	0.2	--	--	--	--	--	--	--	--	--	--
NC 2L = 1 ug/L	ug/L	02/14/95	0.2	--	--	--	--	--	--	--	--	--	--
	ug/L	04/03/95	0.2	--	--	--	--	--	--	--	--	--	--
	ug/L	10/30/95	0.2	0.5	ND	0.9	0.9	--	--	--	--	0.8	--
	ug/L	04/08/96	0.2	--	--	--	--	--	--	--	--	--	--
	ug/L	10/24/96	0.2	0.7	--	ND	ND	--	--	--	--	ND	--
	ug/L	04/15/97	0.2	--	--	--	--	--	--	--	--	--	--
	ug/L	10/29/97	0.2	ND	ND	1.9	0.8	--	--	--	--	ND	--
	ug/L	05/14/98	0.2	ND	ND	2	0.2	--	--	--	--	ND	--
	ug/L	10/11/98	0.2	ND	ND	ND	0.2	--	--	--	--	ND	--
	ug/L	06/04/99	0.2	ND	ND	0.5	ND	--	--	--	--	ND	--
	ug/L	10/29/99	0.2	ND	ND	0.4	ND	--	--	--	--	ND	--
	ug/L	04/20/00	0.2	ND	ND	1.0	ND	ND	--	--	--	ND	--
	ug/L	11/07/00	0.2	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	02/27/01	0.2	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	0.2	ND	ND	0.4	ND	--	--	--	--	ND	--
	ug/L	10/16/01	0.2	ND	ND	0.3	0.3	--	ND	--	--	0.3	--
	ug/L	04/24/02	0.2	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/01/02	0.2	ND	ND	0.3	ND	ND	ND	--	--	ND	--
	ug/L	04/09/03	0.2	ND	ND	0.3	ND	ND	ND	--	--	0.3	--
	ug/L	10/20/03	0.2	ND	ND	0.45	ND	ND	ND	--	--	ND	--
	ug/L	03/24/04	0.2	ND	ND	0.73	0.258	ND	ND	--	--	ND	--
	ug/L	10/27/04	0.2	ND	ND	0.91	ND	ND	ND	--	--	ND	--
	ug/L	05/25/05	0.2	ND	ND	0.72	--	ND	ND	--	--	ND	--
	ug/L	10/04/05	0.2	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/25/06	0.2	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/04/06	0.2	ND	ND	ND	ND	ND	ND	--	--	ND	ND
	ug/L	03/21/07	0.2	ND	ND	0.134 J	0.242 J	ND	ND	--	--	ND	ND
	ug/L	10/02/07	0.2	ND	ND	ND	0.709	ND	ND	--	--	ND	ND
	ug/L	04/03/08	0.2	ND	ND	ND	0.489	ND	ND	ND	ND	ND	ND
	ug/L	10/29/08	0.2	ND	0.145 J	ND	0.503	ND	ND	ND	ND	ND	ND
	ug/L	03/24/09	0.2	ND	ND	ND	1.33	ND	ND	ND	ND	0.14 J	ND
	ug/L	09/22/09	0.2	ND	ND	0.0926 J	0.419	--	--	--	--	--	ND
	ug/L	03/22/10	0.2	ND	Dry	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	09/23/10	0.2	ND	ND	ND	0.371	ND	ND	ND	ND	--	ND
(dissolved)	ug/L	09/23/10	0.2	--	--	--	ND	--	--	--	--	--	--
	ug/L	03/16/11	0.2	ND	ND	ND	ND	ND	ND	0.178 J	ND	--	ND
	ug/L	09/21/11	0.2	ND	ND	ND	0.683	ND	ND	0.225	ND	--	ND
Nickel	ug/L	12/05/94	50	ND	ND	ND	ND	--	--	--	--	ND	--
NC 2L = 100 ug/L	ug/L	02/14/95	50	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/03/95	50	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/30/95	50	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/08/96	50	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/24/96	50	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	04/15/97	50	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/97	50	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	05/14/98	50	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/11/98	50	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	06/04/99	50	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/99	50	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/20/00	50	ND	ND	ND	ND	ND	--	--	--	ND	--
	ug/L	11/07/00	50	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	02/27/01	50	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	50	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/16/01	50	ND	ND	ND	ND	--	ND	--	--	ND	--
	ug/L	04/24/02	50	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/01/02	50	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/09/03	50	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/20/03	50	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	03/24/04	50	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/27/04	50	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	05/25/05	50	ND	ND	ND	--	ND	ND	--	--	ND	--
	ug/L	10/04/05	50	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/25/06	50	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/04/06	50	ND	ND	ND	ND	ND	ND	--	--	ND	ND
	ug/L	03/21/07	50	ND	1.61 J	ND	ND	ND	ND	--	--	ND	ND
	ug/L	10/02/07	50	2.75 B	9.04 J	0.67 B	0.9 B	4.65 J	8.72 J	--	--	0.24 B	0.8 J
	ug/L	04/03/08	50	ND	ND	ND	ND	ND	ND	5.89 J	7.09 J	ND	ND
	ug/L	10/29/08	50	ND	47.3 J	ND	ND	8.13 J	7.57 J	6.40 J	4.99 J	ND	ND
	ug/L	03/24/09	50	ND	3.9 J	ND	2.8 J	2.5 J	0.9 J	2.2 J	ND	ND	ND
	ug/L	09/22/09	50	ND	3.77 J	ND	ND	2.54 J	2.04 J	ND	ND	--	ND
	ug/L	03/22/10	50	ND	Dry	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	09/23/10	50	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	03/16/11	50	ND	2.28 J	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	09/21/11	50	ND	4.59 J	ND	ND	2.04 J	ND	ND	ND	--	ND
Selenium	ug/L	12/05/94	10	ND	ND	ND	ND	--	--	--	--	ND	--
NC 2L = 20 ug/L	ug/L	02/14/95	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/03/95	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/30/95	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/08/96	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/24/96	10	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	04/15/97	10	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/97	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	05/14/98	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/11/98	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	06/04/99	10	ND	61.1	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/99	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/20/00	10	ND	ND	ND	ND	ND	--	--	--	ND	--
	ug/L	11/07/00	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	02/27/01	10	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	10	ND	24.7	ND	ND	--	--	--	--	ND	--
	ug/L	10/16/01	10	ND	ND	ND	ND	--	20.6	--	--	ND	--
	ug/L	04/24/02	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/01/02	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/09/03	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/20/03	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	03/24/04	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/27/04	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	05/25/05	10	ND	25.3	ND	--	ND	ND	--	--	ND	--
	ug/L	10/04/05	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/25/06	10	ND	26.6	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/04/06	10	ND	23.4	ND	ND	ND	ND	--	--	ND	ND
	ug/L	03/21/07	10	9.46 J	23.4	10.7 J	ND	ND	ND	--	--	ND	ND
	ug/L	10/02/07	10	ND	7.49 J	ND	11.1	ND	ND	--	--	8.68 J	ND
	ug/L	04/03/08	10	ND	10.7	ND	ND	10.9	ND	9.54 J	7.51 J	ND	ND
	ug/L	10/29/08	10	ND	37.5	ND	ND	1.94	ND	ND	ND	ND	ND
	ug/L	03/24/09	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	10	6.68 B	ND	8.38 B	4.55 B	ND	7.33 B	4.11 B	5.98 B	--	6.41 J
	ug/L	03/22/10	10	ND	Dry	ND	ND	0.962 J	ND	ND	ND	--	ND
	ug/L	09/23/10	10	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	03/16/11	10	ND	ND	ND	ND	5.08 B	ND	ND	ND	--	3.32 J
	ug/L	09/21/11	10	ND	ND	ND	ND	ND	ND	ND	ND	--	ND

TABLE 3

Summary of Detected Constituents in MSW Monitoring Wells
Nature and Extent Study
Henderson County Closed MSW Landfill, Permit No. 45-01

				Upgradient Compliance Well	Downgradient Compliance Wells			Assessment Wells				TVA Well	Blanks
Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	MW-5	MW-6	MW-7	MW-8	AMW-1S	AMW-1D	AMW-2S	AMW-2D	MW-9	
Silver	ug/L	12/05/94	10	ND	ND	ND	ND	--	--	--	--	ND	--
NC 2L = 20 ug/L	ug/L	02/14/95	10	ND	ND	ND	ND	--	--	--	--	11	--
	ug/L	04/03/95	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/30/95	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/08/96	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/24/96	10	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	04/15/97	10	0.9	--	0.9	0.7	--	--	--	--	0.3	--
	ug/L	10/29/97	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	05/14/98	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/11/98	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	06/04/99	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/99	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/20/00	10	ND	ND	ND	ND	ND	--	--	--	ND	--
	ug/L	11/07/00	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	02/27/01	10	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	10	ND	11.3	ND	ND	--	--	--	--	ND	--
	ug/L	10/16/01	10	ND	ND	ND	ND	--	ND	--	--	ND	--
	ug/L	04/24/02	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/01/02	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/09/03	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/20/03	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	03/24/04	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/27/04	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	05/25/05	10	ND	ND	ND	--	ND	ND	--	--	ND	--
	ug/L	10/04/05	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/25/06	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/04/06	10	ND	ND	ND	ND	ND	ND	--	--	ND	ND
	ug/L	03/21/07	10	ND	0.64 J	3.42 J	0.5 J	1.14 J	0.46 J	--	--	3.18 J	ND
	ug/L	10/02/07	10	ND	1.82 J	0.91 J	ND	0.86 J	ND	--	--	ND	ND
	ug/L	04/03/08	10	ND	0.97 J	2.04 J	ND	0.94 J	ND	1.48 J	ND	ND	ND
	ug/L	10/29/08	10	4.74 J	6.91 J	5.23 J	5.00 J	6.32 J	5.19 J	4.91 J	4.33 J	5.24 J	ND
	ug/L	03/24/09	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	10	ND	ND	ND	ND	2.24 J	ND	ND	ND	--	ND
	ug/L	03/22/10	10	ND	Dry	ND	3.34 J	ND	ND	ND	ND	--	ND
	ug/L	09/23/10	10	ND	2.52 J	ND	3.05 J	ND	ND	ND	ND	--	ND
	ug/L	03/16/11	10	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	09/21/11	10	ND	3.73 J	ND	2.33 J	ND	ND	ND	ND	--	ND
Thallium	ug/L	12/05/94	5.5	ND	ND	ND	ND	--	--	--	--	ND	--
NC 2L = 0.28 ug/L	ug/L	02/14/95	5.5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/03/95	5.5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/30/95	5.5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/08/96	5.5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/24/96	5.5	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	04/15/97	5.5	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/97	5.5	1	1	1	1	--	--	--	--	2	--
	ug/L	05/14/98	5.5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/11/98	5.5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	06/04/99	5.5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/99	5.5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/20/00	5.5	13.7	ND	ND	ND	ND	--	--	--	ND	--
	ug/L	11/07/00	5.5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	02/27/01	5.5	--	--	--	--	--	--	--	--	--	--
	ug/L	06/21/01	5.5	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	10/16/01	5.5	ND	ND	ND	ND	--	ND	--	--	ND	--
	ug/L	04/24/02	5.5	ND	22.4	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/01/02	5.5	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/09/03	5.5	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/20/03	5.5	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	03/24/04	5.5	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/27/04	5.5	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	05/25/05	5.5	ND	77.1	22	--	ND	ND	--	--	ND	--
	ug/L	10/04/05	5.5	ND	58.5	54.6	17.8	ND	ND	--	--	ND	--
	ug/L	04/25/06	5.5	ND	81.3	24.2	ND	ND	ND	--	--	ND	--
	ug/L	10/04/06	5.5	ND	ND	ND	ND	ND	ND	--	--	ND	ND
	ug/L	03/21/07	5.5	ND	ND	24	ND	ND	ND	--	--	ND	ND
	ug/L	10/02/07	5.5	ND	ND	ND	ND	ND	ND	--	--	ND	ND
	ug/L	04/03/08	5.5	ND	ND	ND	ND	ND	ND	--	--	ND	ND
	ug/L	10/29/08	5.5	ND	8.90	ND	6.97	9.61	ND	--	--	ND	ND
	ug/L	03/24/09	5.5	0.051 B	0.090 B	0.080 B	0.242 B	0.280 B	ND	ND	ND	ND	0.092 J
	ug/L	09/22/09	5.5	ND	ND	ND	0.404 J	0.212 J	ND	ND	ND	--	ND
	ug/L	03/22/10	5.5	ND	Dry	0.118 J	0.620 J	0.169 J	ND	ND	ND	--	ND
	ug/L	09/23/10	5.5	ND	ND	0.124 J	1.18 J	ND	ND	ND	ND	--	ND
	ug/L	03/16/11	5.5	ND	ND	0.516 J	1.12 J	0.274 J	0.491 J	0.514 J	ND	--	ND
	ug/L	09/21/11	5.5	ND	ND	ND	1.53 J	ND	ND	ND	ND	--	ND
Tin	ug/L	12/05/94	--	--	--	--	--	--	--	--	--	--	--
SWS GPS = 2000 ug/L	ug/L	02/14/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	04/03/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/30/95	--	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/08/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/24/96	--	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	04/15/97	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/29/97	--	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	05/14/98	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/11/98	--	--	--	--	--	--	--	--	--	--	--
	ug/L	06/04/99	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/29/99	--	--	--	--	--	--	--	--	--	--	--
	ug/L	04/20/00	--	--	--	--	--	--	--	--	--	--	--
	ug/L	11/07/00	--	--	--	--	--	--	--	--	--	--	--
	ug/L	02/27/01	--	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/16/01	--	--	--	--	--	--	--	--	--	--	--
	ug/L	04/24/02	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/01/02	--	--	--	--	--	--	--	--	--	--	--
	ug/L	04/09/03	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/20/03	--	--	--	--	--	--	--	--	--	--	--
	ug/L	03/24/04	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/27/04	--	--	--	--	--	--	--	--	--	--	--
	ug/L	05/25/05	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/04/05	--	--	--	--	--	--	--	--	--	--	--
	ug/L	04/25/06	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/04/06	--	--	--	--	--	--	--	--	--	--	ND
	ug/L	03/21/07	--	--	--	--	--	--	--	--	--	--	ND
	ug/L	10/02/07	--	--	--	--	--	--	--	--	--	--	ND
	ug/L	04/03/08	--	--	--	--	--	--	--	--	--	--	ND
	ug/L	10/29/08	--	--	--	--	--	--	--	--	--	--	ND
	ug/L	03/24/09	100	ND	ND	1.4 J	5.4 J	1.3 J	2.0 J	1.5 J	ND	ND	ND
	ug/L	09/22/09	--	--	--	--	--	--	--	--	--	--	--
	ug/L	03/22/10	100	ND	Dry	ND	2.38 J	--	--	--	--	--	ND
	ug/L	09/23/10	--	--	--	--	--	--	--	--	--	--	--
	ug/L	03/16/11	100	2.50 J	3.17 J	5.65 J	7.24 J	--	--	--	--	--	ND
	ug/L	09/21/11	--	--	--	--	--	--	--	--	--	--	--
Vanadium	ug/L	12/05/94	25	ND	ND	ND	ND	--	--	--	--	ND	--
SWS GPS = 0.3 ug/L	ug/L	02/14/95	25	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/03/95	25	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/30/95	25	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/08/96	25	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/24/96	25	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	04/15/97	25	13	--	ND	5	--	--	--	--	6	--
	ug/L	10/29/97	25	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	05/14/98	25	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/11/98	25	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	06/04/99	25	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/99	25	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/20/00	25	ND	ND	ND	ND	ND	--	--	--	ND	--
	ug/L	11/07/00	25	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	02/27/01	25	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	25	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/16/01	25	ND	ND	ND	ND	--	ND	--	--	ND	--
	ug/L	04/24/02	25	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/01/02	25	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/09/03	25	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/20/03	25	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	03/24/04	25	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/27/04	25	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	05/25/05	25	ND	ND	ND	--	ND	ND	--	--	ND	--
	ug/L	10/04/05	25	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/25/06	25	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/04/06	25	ND	ND	ND	ND	ND	ND	--	--	ND	ND
	ug/L	03/21/07	25	3.81 J	4.21 J	ND	1.31 J	ND	ND	--	--	ND	ND
	ug/L	10/02/07	25	17.1 J	12.9 J	5.6 J	ND	ND	ND	--	--	ND	ND
	ug/L	04/03/08	25	9.73 J	10.7 J	ND	ND	ND	ND	ND	5.13 J	ND	ND
	ug/L	10/29/08	25	4.88 J	88.9	10.3 J	0.52 J	1.37 J	3.74 J	0.86 J	ND	ND	ND
	ug/L	03/24/09	25	2.2 J	3.2 J	1.7 J	9.0 J	ND	ND	3.0 J	0.9 J	0.7 J	ND
	ug/L	09/22/09	25	3.31 J	1.97 J	ND	5.45 J	ND	ND	6.35 J	1.52 J	--	ND
	ug/L	03/22/10	25	1.75 J	Dry	ND	1.76 J	ND	ND	1.78 J	1.42 J	--	ND
	ug/L	09/23/10	25	ND	ND	ND	14.7 J	ND	ND	4.79 J	ND	--	ND
	ug/L	03/16/11	25	4.98 J	2.77 J	ND	ND	ND	ND	15.3 J	ND	--	ND
	ug/L	09/21/11	25	2.21 J	8.14 J	2.88 J	17.3 J	ND	ND	11.1 J	ND	--	ND

TABLE 3

Summary of Detected Constituents in MSW Monitoring Wells
Nature and Extent Study
Henderson County Closed MSW Landfill, Permit No. 45-01

				Upgradient Compliance Well	Downgradient Compliance Wells			Assessment Wells				TVA Well	Blanks
Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	MW-5	MW-6	MW-7	MW-8	AMW-1S	AMW-1D	AMW-2S	AMW-2D	MW-9	
Zinc	ug/L	12/05/94	10	21	ND	33	20	--	--	--	--	82	--
NC 2L = 1000 ug/L	ug/L	02/14/95	10	33	44	29	69	--	--	--	--	113	--
	ug/L	04/03/95	10	29	48	26	29	--	--	--	--	20	--
	ug/L	10/30/95	10	25	30	ND	ND	--	--	--	--	23	--
	ug/L	04/08/96	10	44	63	22	67	--	--	--	--	36	--
	ug/L	10/24/96	10	37	--	22	18	--	--	--	--	39	--
	ug/L	04/15/97	10	50	--	50	30	--	--	--	--	40	--
	ug/L	10/29/97	10	ND	340	ND	ND	--	--	--	--	ND	--
	ug/L	05/14/98	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/11/98	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	06/04/99	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/99	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/20/00	10	ND	ND	ND	ND	20.6	--	--	--	ND	--
	ug/L	11/07/00	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	02/27/01	10	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/16/01	10	ND	ND	ND	ND	--	ND	--	--	ND	--
	ug/L	04/24/02	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/01/02	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/09/03	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/20/03	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	03/24/04	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/27/04	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	05/25/05	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/04/05	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/25/06	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/04/06	10	ND	ND	ND	ND	ND	ND	--	--	ND	ND
	ug/L	03/21/07	10	15.6 J	124	6.92 J	10.1 J	12.1 J	3.82 J	--	--	7.14 J	ND
	ug/L	10/02/07	10	44	49.1	12.6 J	5.43 J	6.23 J	ND	--	--	4.53 J	ND
	ug/L	04/03/08	10	31.9	46	5.82 J	10.4	4.83 J	4.06 J	14.1	27.7	5.53 J	ND
	ug/L	10/29/08	10	20.1	380	29.0	6.90 J	5.37 J	ND	5.37 J	ND	6.63 J	ND
	ug/L	03/24/09	10	10.7 B	56.3	9.3 B	38.3	4.1 B	3.4 B	7.7 B	ND	4.1 B	3.4 J
	ug/L	09/22/09	10	13.8	12.3	4.56 J	12.8	7.02 J	5.92 J	18.0	8.77 J	--	ND
	ug/L	03/22/10	10	9.18 J	Dry	8.52 J	36.7	15.6	7.21 J	11.2	7.25 J	--	ND
	ug/L	09/23/10	10	ND	ND	5.37 J	168	4.30 J	5.86 J	ND	ND	--	ND
	ug/L	03/16/11	10	17.6	36.7	7.03 J	611	4.64 J	17.5	44.8	4.77 J	--	ND
	ug/L	09/21/11	10	9.32 J	44.1	9.85 J	430	4.44 J	11.7	14.2	4.57 J	--	ND
Acetone	ug/L	12/05/94	100	ND	ND	ND	ND	--	--	--	--	ND	--
NC 2L = 6000 ug/L	ug/L	02/14/95	100	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/03/95	100	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/30/95	100	ND	50	ND	ND	--	--	--	--	ND	--
	ug/L	04/08/96	100	ND	98	ND	ND	--	--	--	--	ND	--
	ug/L	10/24/96	100	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	04/15/97	100	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/97	100	ND	95	ND	ND	--	--	--	--	ND	--
	ug/L	05/14/98	100	ND	330	ND	ND	--	--	--	--	ND	--
	ug/L	11/11/98	100	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	06/04/99	100	ND	780	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/99	100	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/20/00	100	ND	ND	ND	ND	ND	--	--	--	ND	--
	ug/L	11/07/00	100	ND	190	ND	ND	--	--	--	--	ND	--
	ug/L	02/27/01	100	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	100	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/16/01	100	ND	ND	ND	ND	--	ND	--	--	ND	--
	ug/L	04/25/02	100	ND	190	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/01/02	100	ND	280	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/09/03	100	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/21/03	100	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	03/25/04	100	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/27/04	100	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	05/25/05	100	ND	ND	ND	--	ND	ND	--	--	ND	--
	ug/L	10/06/05	100	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/26/06	100	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/04/06	100	ND	ND	ND	ND	ND	ND	--	--	ND	ND
	ug/L	03/22/07	100	ND	ND	4.34 J	ND	ND	ND	--	--	ND	ND
	ug/L	10/02/07	100	ND	9.81 B	ND	ND	1.76 B	ND	--	--	ND	5.5 J
	ug/L	04/03/08	100	ND	10.1 J	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	10/30/08	100	ND	13.8 J	ND	ND	7.95 J	ND	ND	ND	ND	ND
	ug/L	03/24/09	100	ND	280	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	100	ND	9.0 J	13 J	ND	ND	ND	ND	ND	--	ND
	ug/L	03/22/10	100	ND	Dry	55 J	ND	ND	ND	ND	ND	--	ND
	ug/L	09/23/10	100	ND	8.7 J	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	03/16/11	100	ND	16 J	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	09/21/11	100	ND	310	ND	ND	ND	ND	ND	ND	--	ND
Acrylonitrile	ug/L	12/05/94	200	ND	ND	ND	ND	--	--	--	--	ND	--
No Standard	ug/L	02/14/95	200	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/03/95	200	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/30/95	200	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/08/96	200	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/24/96	200	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	04/15/97	200	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/97	200	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	05/14/98	200	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/11/98	200	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	06/04/99	200	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/99	200	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/20/00	200	ND	ND	ND	ND	ND	--	--	--	ND	--
	ug/L	11/07/00	200	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	02/27/01	200	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	200	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/16/01	200	ND	ND	ND	ND	--	ND	--	--	ND	--
	ug/L	04/24/02	200	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/01/02	200	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/09/03	200	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/20/03	200	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	03/24/04	200	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/27/04	200	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	05/25/05	200	ND	ND	ND	--	ND	ND	--	--	ND	--
	ug/L	10/04/05	200	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/25/06	200	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/04/06	200	ND	ND	ND	ND	ND	ND	--	--	ND	ND
	ug/L	03/21/07	200	ND	ND	ND	ND	ND	ND	--	--	ND	ND
	ug/L	10/02/07	200	ND	ND	ND	17.9 J	ND	ND	--	--	ND	ND
	ug/L	04/03/08	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	10/29/08	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	03/24/09	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	200	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	03/22/10	200	ND	Dry	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	09/23/10	200	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	03/16/11	200	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	09/21/11	200	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
Benzene	ug/L	12/05/94	5	ND	11	ND	ND	--	--	--	--	ND	--
NC 2L = 1 ug/L	ug/L	02/14/95	5	ND	11	ND	ND	--	--	--	--	ND	--
	ug/L	04/03/95	5	ND	8	ND	ND	--	--	--	--	ND	--
	ug/L	10/30/95	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/08/96	5	ND	9	3.9	ND	--	--	--	--	ND	--
	ug/L	10/24/96	5	ND	--	5	ND	--	--	--	--	ND	--
	ug/L	04/15/97	5	ND	--	6.9	ND	--	--	--	--	ND	--
	ug/L	10/29/97	5	ND	5	6	ND	--	--	--	--	ND	--
	ug/L	05/14/98	5	ND	8	6	ND	--	--	--	--	ND	--
	ug/L	10/11/98	5	ND	ND	7	ND	--	--	--	--	ND	--
	ug/L	06/04/99	5	ND	8	6	ND	--	--	--	--	ND	--
	ug/L	10/29/99	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/20/00	5	ND	ND	ND	ND	ND	--	--	--	ND	--
	ug/L	11/07/00	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	02/27/01	5	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/16/01	5	ND	ND	ND	ND	--	ND	--	--	ND	--
	ug/L	04/24/02	5	ND	6	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/01/02	5	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/09/03	5	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/20/03	5	ND	7	ND	ND	ND	ND	--	--	ND	--
	ug/L	03/24/04	5	ND	6	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/27/04	5	ND	7.19	ND	ND	ND	ND	--	--	ND	--
	ug/L	05/25/05	5	ND	ND	ND	--	ND	ND	--	--	ND	--
	ug/L	10/04/05	5	ND	7.61	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/25/06	5	ND	6.23	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/04/06	5	ND	6.8	ND	ND	ND	ND	--	--	ND	ND
	ug/L	03/21/07	5	ND	1.36	2.48	3.55	0.44 J	1.52	--	--	ND	ND
	ug/L	10/02/07	5	ND	5.47	1.70	4.99	1.68	1.55	--	--	ND	ND
	ug/L	04/03/08	5	ND	0.37 J	1.57	5.82	0.98 J	1.48	1.28	ND	ND	ND
	ug/L	10/29/08	5	ND	3.08	1.51	6.23	2.13	1.49	1.25	ND	ND	ND
	ug/L	03/24/09	1	ND	ND	ND	0.64 J	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	1	ND	ND	1.4	4.2	0.44 J	1.3	1.2	ND	--	ND
	ug/L	03/22/10	1	ND	Dry	1.4	ND	ND	1.1	0.75 J	ND	--	ND
	ug/L	09/23/10	1	ND	0.98 J	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	03/16/11	1	ND	ND	1.6	ND	ND	1.2	0.96 J	ND	--	ND
	ug/L	09/21/11	1	ND	4.6	1.4	0.85 J	ND	1.2	0.82 J	ND	--	ND

TABLE 3

Summary of Detected Constituents in MSW Monitoring Wells
Nature and Extent Study
Henderson County Closed MSW Landfill, Permit No. 45-01

				Upgradient Compliance Well	Downgradient Compliance Wells			Assessment Wells				TVA Well	Blanks
Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	MW-5	MW-6	MW-7	MW-8	AMW-1S	AMW-1D	AMW-2S	AMW-2D	MW-9	
Carbon disulfide	ug/L	02/14/95	100	ND	ND	ND	ND	--	--	--	--	ND	--
NC 2L = 700 ug/L	ug/L	04/03/95	100	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/30/95	100	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	12/05/95	100	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/08/96	100	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/24/96	100	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	04/15/97	100	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/97	100	ND	15	ND	ND	--	--	--	--	ND	--
	ug/L	05/14/98	100	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/11/98	100	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	06/04/99	100	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/99	100	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/20/00	100	ND	ND	ND	ND	ND	--	--	--	ND	--
	ug/L	11/07/00	100	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	02/27/01	100	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	100	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/16/01	100	ND	ND	ND	ND	--	ND	--	--	ND	--
	ug/L	04/24/02	100	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/01/02	100	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/09/03	100	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/20/03	100	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	03/24/04	100	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/27/04	100	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	05/25/05	100	ND	ND	ND	--	ND	ND	--	--	ND	--
	ug/L	10/04/05	100	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/25/06	100	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/04/06	100	ND	ND	ND	ND	ND	ND	--	--	ND	ND
	ug/L	03/21/07	100	ND	ND	ND	ND	ND	ND	--	--	ND	ND
	ug/L	10/02/07	100	ND	ND	ND	0.14 J	ND	ND	--	--	ND	ND
	ug/L	04/03/08	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	10/29/08	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	03/24/09	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	100	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	03/22/10	100	ND	Dry	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	09/23/10	100	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	03/16/11	100	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	09/21/11	100	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
Chlorobenzene	ug/L	12/05/94	5	ND	ND	ND	ND	--	--	--	--	ND	--
NC 2L = 50 ug/L	ug/L	02/14/95	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/03/95	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/30/95	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/08/96	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/24/96	5	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	04/15/97	5	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/97	5	ND	7	3	ND	--	--	--	--	ND	--
	ug/L	05/14/98	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/11/98	5	ND	8	ND	ND	--	--	--	--	ND	--
	ug/L	06/04/99	5	ND	7	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/99	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/20/00	5	ND	ND	ND	ND	8	--	--	--	ND	--
	ug/L	11/07/00	5	ND	7	ND	ND	--	--	--	--	ND	--
	ug/L	02/27/01	5	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	5	ND	6	ND	ND	--	--	--	--	ND	--
	ug/L	10/16/01	5	ND	7	ND	ND	--	ND	--	--	ND	--
	ug/L	04/24/02	5	ND	6	ND	ND	7	ND	--	--	ND	--
	ug/L	10/01/02	5	ND	8	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/09/03	5	ND	ND	ND	ND	6	ND	--	--	ND	--
	ug/L	10/20/03	5	ND	10	ND	ND	ND	ND	--	--	ND	--
	ug/L	03/24/04	5	ND	11	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/27/04	5	ND	13	5	ND	ND	ND	--	--	ND	--
	ug/L	05/25/05	5	ND	ND	6	--	6.12	ND	--	--	ND	--
	ug/L	10/04/05	5	ND	13.4	6	ND	ND	ND	--	--	ND	--
	ug/L	04/25/06	5	ND	10.8	6.02	ND	9.62	ND	--	--	ND	--
	ug/L	10/04/06	5	ND	9	6	ND	16.2	ND	--	--	ND	ND
	ug/L	03/21/07	5	ND	1.34	5.89	0.59 J	2.83	4.62	--	--	ND	ND
	ug/L	10/02/07	5	ND	6.16	5.95	0.83 J	ND	5.13	--	--	ND	ND
	ug/L	04/03/08	5	ND	0.30 J	5.72	1.14 J	11.3	5.01	4.50	ND	ND	ND
	ug/L	10/29/08	5	ND	8.02	5.41	1.11 J	23.8	5.09	1.86 J	ND	ND	ND
	ug/L	03/24/09	3	ND	ND	4.6	ND	0.46 J	3.8	2.0 J	ND	ND	ND
	ug/L	09/22/09	3	ND	ND	5.7	0.75 J	4.9	4.9	1.0 J	ND	--	ND
	ug/L	03/22/10	3	ND	Dry	6.4	ND	ND	4.6	0.97 J	ND	--	ND
	ug/L	09/23/10	3	ND	7.5	6.3	ND	ND	4.2	0.55 J	ND	--	ND
	ug/L	03/16/11	3	ND	ND	7.3	ND	ND	4.5	1.2 J	ND	--	ND
	ug/L	09/21/11	3	ND	8.1	8.4	ND	1.4 J	4.6	1.2 J	ND	--	ND
Chloroethane	ug/L	12/05/94	10	ND	ND	ND	ND	--	--	--	--	ND	--
SWS GPS = 3000 ug/L	ug/L	02/14/95	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/03/95	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/30/95	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/08/96	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/24/96	10	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	04/15/97	10	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/97	10	ND	2	ND	ND	--	--	--	--	ND	--
	ug/L	05/14/98	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/11/98	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	06/04/99	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/99	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/20/00	10	ND	ND	ND	ND	ND	--	--	--	ND	--
	ug/L	11/07/00	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	02/27/01	10	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/16/01	10	ND	ND	ND	ND	--	ND	--	--	ND	--
	ug/L	04/24/02	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/01/02	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/09/03	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/20/03	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	03/24/04	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/27/04	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	05/25/05	10	ND	ND	ND	--	ND	ND	--	--	ND	--
	ug/L	10/04/05	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/25/06	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/04/06	10	ND	ND	ND	ND	ND	ND	--	--	ND	ND
	ug/L	03/21/07	10	ND	ND	ND	ND	ND	ND	--	--	ND	ND
	ug/L	10/02/07	10	ND	0.85 J	ND	0.69 J	11.1	ND	--	--	ND	ND
	ug/L	04/03/08	10	ND	ND	ND	0.87 J	ND	ND	ND	ND	ND	ND
	ug/L	10/29/08	10	ND	ND	ND	0.68 J	ND	ND	ND	ND	ND	ND
	ug/L	03/24/09	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	10	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	03/22/10	10	ND	Dry	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	09/23/10	10	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	03/16/11	10	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	09/21/11	10	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
1,2-Dichlorobenzene	ug/L	12/05/94	5	ND	ND	ND	ND	--	--	--	--	ND	--
NC 2L = 20 ug/L	ug/L	02/14/95	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/03/95	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/30/95	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/08/96	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/24/96	5	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	04/15/97	5	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/97	5	ND	1	ND	ND	--	--	--	--	ND	--
	ug/L	05/14/98	5	ND	ND	14	ND	--	--	--	--	ND	--
	ug/L	10/11/98	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	06/04/99	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/99	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/20/00	5	ND	ND	ND	ND	ND	--	--	--	ND	--
	ug/L	11/07/00	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	02/27/01	5	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/16/01	5	ND	ND	ND	ND	--	ND	--	--	ND	--
	ug/L	04/24/02	5	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/01/02	5	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/09/03	5	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/20/03	5	ND	7	ND	6	ND	ND	--	--	ND	--
	ug/L	03/24/04	5	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/27/04	5	ND	6	ND	ND	ND	ND	--	--	ND	--
	ug/L	05/25/05	5	ND	ND	ND	--	ND	ND	--	--	ND	--
	ug/L	10/04/05	5	ND	12	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/25/06	5	ND	10	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/04/06	5	ND	10	ND	ND	ND	ND	--	--	ND	ND
	ug/L	03/21/07	5	ND	0.39 J	ND	0.97 J	ND	0.62 J	--	--	ND	ND
	ug/L	10/02/07	5	ND	2.52 J	0.56 J	0.94 J	0.44 J	0.67 J	--	--	ND	ND
	ug/L	04/03/08	5	ND	ND	0.46 J	1.35 J	0.23 J	0.65 J	0.27 J	ND	ND	ND
	ug/L	10/29/08	5	ND	1.98 J	0.45 J	1.12 J	0.52 J	0.63 J	0.29 J	ND	ND	ND
	ug/L	03/24/09	5	ND	ND	ND	0.44 J	ND	0.53 J	ND	ND	ND	ND
	ug/L	09/22/09	5	ND	ND	ND	0.66 J	ND	0.46 J	ND	ND	--	ND
	ug/L	03/22/10	5	ND	Dry	0.49 J	ND	ND	0.64 J	ND	ND	--	ND
	ug/L	09/23/10	5	ND	3.6 J	0.52 J	ND	ND	0.64 J	ND	ND	--	ND
	ug/L	03/16/11	5	ND	ND	ND	ND	ND	0.71 J	ND	ND	--	ND
	ug/L	09/21/11	5	ND	5.8	0.58 J	ND	ND	0.65 J	ND	ND	--	ND

TABLE 3

Summary of Detected Constituents in MSW Monitoring Wells
Nature and Extent Study
Henderson County Closed MSW Landfill, Permit No. 45-01

				Upgradient Compliance Well	Downgradient Compliance Wells			Assessment Wells				TVA Well	Blanks
Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	MW-5	MW-6	MW-7	MW-8	AMW-1S	AMW-1D	AMW-2S	AMW-2D	MW-9	
1,4-Dichlorobenzene	ug/L	12/05/94	5	ND	ND	ND	ND	--	--	--	--	ND	--
NC 2L = 6 ug/L	ug/L	02/14/95	5	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	04/03/95	5	ND	11	ND	ND	--	--	--	--	ND	--
	ug/L	10/30/95	5	ND	10	5	ND	--	--	--	--	ND	--
	ug/L	04/08/96	5	ND	--	9	ND	--	--	--	--	ND	--
	ug/L	10/24/96	5	ND	--	8	ND	--	--	--	--	ND	--
	ug/L	04/15/97	5	ND	--	24	ND	--	--	--	--	ND	--
	ug/L	10/29/97	5	ND	9	10	ND	--	--	--	--	ND	--
	ug/L	05/14/98	5	ND	18	22	ND	--	--	--	--	ND	--
	ug/L	10/11/98	5	ND	18	ND	ND	--	--	--	--	ND	--
	ug/L	06/04/99	5	ND	18	10	ND	--	--	--	--	ND	--
	ug/L	10/29/99	5	ND	ND	7	ND	--	--	--	--	ND	--
	ug/L	04/20/00	5	ND	5	18	ND	ND	--	--	--	ND	--
	ug/L	11/07/00	5	ND	ND	8	ND	--	--	--	--	ND	--
	ug/L	02/27/01	5	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	5	ND	14	6	ND	--	--	--	--	ND	--
	ug/L	10/16/01	5	ND	12	7	ND	--	ND	--	--	ND	--
	ug/L	04/24/02	5	ND	18	8	ND	ND	ND	--	--	ND	--
	ug/L	10/01/02	5	ND	14	9	ND	ND	ND	--	--	ND	--
	ug/L	04/09/03	5	ND	ND	12	ND	ND	ND	--	--	ND	--
	ug/L	10/20/03	5	ND	23	13	ND	ND	ND	--	--	ND	--
	ug/L	03/24/04	5	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/27/04	5	ND	20	19	ND	ND	ND	--	--	ND	--
	ug/L	05/25/05	5	ND	ND	17.8	--	ND	ND	--	--	ND	--
	ug/L	10/04/05	5	ND	25.4	17	ND	ND	ND	--	--	ND	--
	ug/L	04/25/06	5	ND	24.3	16.4	ND	ND	ND	--	--	ND	--
	ug/L	10/04/06	5	ND	18.5	14.6	ND	ND	ND	--	--	ND	ND
	ug/L	03/21/07	5	ND	1.67 J	17.1	2.79 J	1.37	2.86 J	--	--	ND	ND
	ug/L	10/02/07	5	ND	18.7	12.0	3.64 J	3.24 J	2.99 J	--	--	ND	ND
	ug/L	04/03/08	5	ND	0.38 J	8.37	4.50 J	1.57 J	2.77 J	2.11 J	ND	ND	ND
	ug/L	10/29/08	5	ND	23.9	7.81	4.44 J	4.11 J	2.96 J	1.66 J	ND	ND	ND
	ug/L	03/24/09	1	ND	ND	6.4	1.3	0.57 J	2.6	1.4	ND	ND	ND
	ug/L	09/22/09	1	ND	ND	6.8	2.4	1.4	2.1	1.0	ND	--	ND
	ug/L	03/22/10	1	ND	Dry	9.8	ND	ND	3.2	1.2	ND	--	ND
	ug/L	09/23/10	1	ND	15	8.8	ND	ND	3.4	0.91 J	ND	--	ND
	ug/L	03/16/11	1	ND	ND	10	ND	ND	3.2	1.3	ND	--	ND
	ug/L	09/21/11	1	ND	14	12	ND	0.93 J	4.2	1.2	ND	--	ND
Dichlorodifluoromethane	ug/L	12/05/94	5	ND	ND	ND	ND	--	--	--	--	ND	--
NC 2L = 1000 ug/L	ug/L	02/14/95	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/03/95	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/30/95	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/08/96	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/24/96	5	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	04/15/97	5	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/97	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	05/14/98	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/11/98	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	06/04/99	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/99	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/20/00	5	ND	ND	ND	ND	ND	--	--	--	ND	--
	ug/L	11/07/00	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	02/27/01	5	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/16/01	5	ND	ND	ND	ND	--	ND	--	--	ND	--
	ug/L	04/24/02	5	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/01/02	5	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/09/03	5	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/20/03	5	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	03/24/04	5	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/27/04	5	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	05/25/05	5	ND	ND	ND	--	ND	ND	--	--	--	--
	ug/L	10/04/05	5	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/25/06	5	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/04/06	5	ND	ND	ND	ND	ND	ND	--	--	ND	ND
	ug/L	03/21/07	5	ND	ND	ND	ND	ND	ND	--	--	ND	ND
	ug/L	10/02/07	5	ND	ND	ND	ND	ND	ND	--	--	ND	ND
	ug/L	04/03/08	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	10/29/08	5	ND	ND	ND	0.65 J	ND	ND	ND	ND	0.45 J	ND
	ug/L	03/24/09	5	ND	ND	ND	ND	ND	0.55 J	0.86 J	ND	ND	ND
	ug/L	09/22/09	5	--	--	--	--	--	--	--	--	--	--
	ug/L	03/22/10	5	ND	Dry	ND	ND	--	--	--	--	--	ND
	ug/L	09/23/10	5	--	--	--	--	--	--	--	--	--	--
	ug/L	03/16/11	5	ND	ND	ND	ND	--	--	--	--	--	ND
	ug/L	09/21/11	5	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethane	ug/L	12/05/94	5	ND	ND	ND	ND	--	--	--	--	ND	--
NC 2L = 6 ug/L	ug/L	02/14/95	5	ND	ND	9	ND	--	--	--	--	ND	--
	ug/L	04/03/95	5	ND	--	7	ND	--	--	--	--	--	--
	ug/L	10/30/95	5	ND	ND	10	ND	--	--	--	--	ND	--
	ug/L	04/08/96	5	ND	ND	6	ND	--	--	--	--	ND	--
	ug/L	10/24/96	5	ND	--	8	ND	--	--	--	--	ND	--
	ug/L	04/15/97	5	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/97	5	ND	1	7	ND	--	--	--	--	1	--
	ug/L	05/14/98	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/11/98	5	ND	ND	6	ND	--	--	--	--	ND	--
	ug/L	06/04/99	5	ND	ND	5	6	--	--	--	--	ND	--
	ug/L	10/29/99	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/20/00	5	ND	ND	ND	5	ND	--	--	--	ND	--
	ug/L	11/07/00	5	ND	ND	ND	6	--	--	--	--	ND	--
	ug/L	02/27/01	5	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	5	ND	ND	ND	14	--	--	--	--	ND	--
	ug/L	10/16/01	5	ND	ND	ND	11	--	ND	--	--	ND	--
	ug/L	04/24/02	5	ND	ND	ND	25	ND	ND	--	--	ND	--
	ug/L	10/01/02	5	ND	ND	ND	17	ND	ND	--	--	ND	--
	ug/L	04/09/03	5	ND	ND	ND	24	ND	ND	--	--	ND	--
	ug/L	10/20/03	5	ND	ND	ND	18	ND	ND	--	--	ND	--
	ug/L	03/24/04	5	ND	ND	ND	10	ND	ND	--	--	ND	--
	ug/L	10/27/04	5	ND	ND	ND	13	ND	ND	--	--	ND	--
	ug/L	05/25/05	5	ND	ND	ND	--	ND	ND	--	--	ND	--
	ug/L	10/04/05	5	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/25/06	5	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/04/06	5	ND	ND	ND	6	ND	ND	--	--	ND	ND
	ug/L	03/21/07	5	ND	ND	1.69	7.8	ND	1.31	--	--	ND	ND
	ug/L	10/02/07	5	ND	0.45 J	1.66 J	9.7	0.1 J	1.27 J	--	--	ND	ND
	ug/L	04/03/08	5	ND	ND	1.72 J	13.1	ND	1.36 J	0.98 J	ND	ND	ND
	ug/L	10/29/08	5	ND	0.40 J	1.32 J	13.5	ND	1.36 J	1.33 J	ND	0.11 J	ND
	ug/L	03/24/09	5	ND	ND	0.83 J	3.6 J	ND	1.2 J	1.1 J	ND	ND	ND
	ug/L	09/22/09	5	ND	ND	0.75 J	8.9	ND	1.0 J	1.3 J	ND	--	ND
	ug/L	03/22/10	5	ND	Dry	0.64 J	ND	ND	0.76 J	0.90 J	ND	--	ND
	ug/L	09/23/10	5	ND	ND	0.64 J	ND	ND	0.87 J	0.84 J	ND	--	ND
	ug/L	03/16/11	5	ND	ND	0.56 J	ND	ND	0.91 J	1.0 J	ND	--	ND
	ug/L	09/21/11	5	ND	ND	0.74 J	1.7 J	ND	1.1 J	1.4 J	ND	--	ND
1,2-Dichloroethane	ug/L	12/05/94	5	ND	ND	ND	ND	--	--	--	--	ND	--
NC 2L = 0.4 ug/L	ug/L	02/14/95	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/03/95	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/30/95	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/08/96	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/24/96	5	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	04/15/97	5	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/97	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	05/14/98	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/11/98	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	06/04/99	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/99	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/20/00	5	ND	ND	ND	ND	ND	--	--	--	ND	--
	ug/L	11/07/00	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	02/27/01	5	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/16/01	5	ND	ND	ND	ND	--	ND	--	--	ND	--
	ug/L	04/24/02	5	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/01/02	5	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/09/03	5	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/20/03	5	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	03/24/04	5	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/27/04	5	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	05/25/05	5	ND	ND	ND	--	ND	ND	--	--	ND	--
	ug/L	10/04/05	5	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/25/06	5	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/04/06	5	ND	ND	ND	ND	ND	ND	--	--	ND	ND
	ug/L	03/21/07	5	ND	ND	ND	ND	ND	ND	--	--	ND	ND
	ug/L	10/02/07	3	ND	0.45 J	ND	ND	ND	ND	--	--	ND	ND
	ug/L	04/03/08	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	10/29/08	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	03/24/09	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	1	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	03/22/10	1	ND	Dry	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	09/23/10	1	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	03/16/11	1	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	09/21/11	1	ND	ND	ND	ND	ND	ND	ND	ND	--	ND

TABLE 3

Summary of Detected Constituents in MSW Monitoring Wells
Nature and Extent Study
Henderson County Closed MSW Landfill, Permit No. 45-01

				Upgradient Compliance Well	Downgradient Compliance Wells			Assessment Wells				TVA Well	Blanks
Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	MW-5	MW-6	MW-7	MW-8	AMW-1S	AMW-1D	AMW-2S	AMW-2D	MW-9	
1,1-Dichloroethene	ug/L	12/05/94	5	ND	ND	ND	ND	--	--	--	--	ND	--
NC 2L = 7 ug/L	ug/L	02/14/95	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/03/95	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/30/95	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/08/96	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/24/96	5	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	04/15/97	5	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/97	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	05/14/98	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/11/98	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	06/04/99	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/99	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/20/00	5	ND	ND	ND	ND	ND	--	--	--	ND	--
	ug/L	11/07/00	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	02/27/01	5	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/16/01	5	ND	ND	ND	ND	--	ND	--	--	ND	--
	ug/L	04/24/02	5	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/01/02	5	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/09/03	5	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/20/03	5	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	03/24/04	5	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/27/04	5	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	05/25/05	5	ND	ND	ND	--	ND	ND	--	--	ND	--
	ug/L	10/04/05	5	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/25/06	5	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/04/06	5	ND	ND	ND	ND	ND	ND	--	--	ND	ND
	ug/L	03/21/07	5	ND	ND	ND	ND	ND	ND	--	--	ND	ND
	ug/L	10/02/07	5	ND	ND	ND	0.33 J	ND	ND	--	--	ND	ND
	ug/L	04/03/08	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	10/29/08	5	ND	ND	ND	0.15 J	ND	ND	ND	ND	ND	ND
	ug/L	03/24/09	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	5	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	03/22/10	5	ND	Dry	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	09/23/10	5	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	03/16/11	5	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	09/21/11	5	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
cis-1,2-Dichloroethene	ug/L	12/05/94	5	ND	--	24	11	--	--	--	--	ND	--
NC 2L = 70 ug/L	ug/L	02/14/95	5	ND	9	ND	8	--	--	--	--	ND	--
	ug/L	04/03/95	5	ND	7	17	ND	--	--	--	--	ND	--
	ug/L	10/30/95	5	ND	10	25	10	--	--	--	--	ND	--
	ug/L	04/08/96	5	ND	7	17	7	--	--	--	--	ND	--
	ug/L	10/24/96	5	ND	--	21	ND	--	--	--	--	ND	--
	ug/L	04/15/97	5	ND	--	14	15	--	--	--	--	ND	--
	ug/L	10/29/97	5	ND	4	20	3	--	--	--	--	6	--
	ug/L	05/14/98	5	ND	ND	14	ND	--	--	--	--	ND	--
	ug/L	10/11/98	5	ND	ND	21	ND	--	--	--	--	ND	--
	ug/L	06/04/99	5	ND	6	17	ND	--	--	--	--	12	--
	ug/L	10/29/99	5	ND	ND	17	ND	--	--	--	--	26	--
	ug/L	04/20/00	5	ND	ND	13	ND	ND	--	--	--	16	--
	ug/L	11/07/00	5	ND	ND	15	ND	--	--	--	--	12	--
	ug/L	02/27/01	5	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	5	ND	ND	14	7	--	--	--	--	8	--
	ug/L	10/16/01	5	ND	ND	13	ND	--	ND	--	--	10	--
	ug/L	04/24/02	5	ND	ND	15	11	ND	ND	--	--	6	--
	ug/L	10/01/02	5	ND	ND	12	7	ND	ND	--	--	ND	--
	ug/L	04/09/03	5	ND	ND	11	18	ND	ND	--	--	ND	--
	ug/L	10/20/03	5	ND	ND	11	22	ND	ND	--	--	ND	--
	ug/L	03/24/04	5	ND	ND	10	13	ND	ND	--	--	ND	--
	ug/L	10/27/04	5	ND	ND	10.5	26.2	ND	ND	--	--	ND	--
	ug/L	05/25/05	5	ND	ND	10.6	--	ND	ND	--	--	ND	--
	ug/L	10/04/05	5	ND	ND	12.1	12.8	ND	ND	--	--	ND	--
	ug/L	04/25/06	5	ND	ND	12.8	12.3	ND	ND	--	--	ND	--
	ug/L	10/04/06	5	ND	ND	14.2	15.7	ND	ND	--	--	ND	ND
	ug/L	03/21/07	5	ND	0.48 J	12.7	22.1	ND	2.3	--	--	ND	ND
	ug/L	10/02/07	5	ND	1.19 J	12.4 J	23.9 J	0.71 J	2.14 J	--	--	ND	ND
	ug/L	04/03/08	5	ND	0.05 J	12.2	30.6	0.35 J	2.25 J	1.85 J	ND	ND	ND
	ug/L	10/29/08	5	ND	0.2 J	9.8	28.9	0.27 J	2.27 J	2.36 J	ND	0.24 J	ND
	ug/L	03/24/09	5	ND	ND	4.9 J	7.4	ND	1.7 J	1.7 J	ND	ND	ND
	ug/L	09/22/09	5	ND	ND	6.1	19	ND	2.0 J	2.5 J	ND	--	ND
	ug/L	03/22/10	5	ND	Dry	7.0	0.66 J	ND	2.0 J	2.1 J	ND	--	ND
	ug/L	09/23/10	5	ND	ND	5.2	ND	ND	1.7 J	1.2 J	ND	--	ND
	ug/L	03/16/11	5	ND	ND	6.4	0.89 J	ND	2.6 J	2.0 J	ND	--	ND
	ug/L	09/21/11	5	ND	ND	5.6	2.9 J	ND	1.7 J	1.3 J	ND	--	ND
trans-1,2-Dichloroethene	ug/L	12/05/94	5	ND	ND	ND	ND	--	--	--	--	ND	--
NC 2L = 100 ug/L	ug/L	02/14/95	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/03/95	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/30/95	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/08/96	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/24/96	5	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	04/15/97	5	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/97	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	05/14/98	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/11/98	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	06/04/99	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/99	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/20/00	5	ND	ND	ND	ND	ND	--	--	--	ND	--
	ug/L	11/07/00	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	02/27/01	5	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/16/01	5	ND	ND	ND	ND	--	ND	--	--	ND	--
	ug/L	04/24/02	5	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/01/02	5	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/09/03	5	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/20/03	5	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	03/24/04	5	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/27/04	5	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	05/25/05	5	ND	ND	ND	--	ND	ND	--	--	ND	--
	ug/L	10/04/05	5	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/25/06	5	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/04/06	5	ND	ND	ND	ND	ND	ND	--	--	ND	ND
	ug/L	03/21/07	5	ND	ND	ND	ND	ND	ND	--	--	ND	ND
	ug/L	10/02/07	5	ND	ND	0.50 J	0.22 J	ND	ND	--	--	ND	ND
	ug/L	04/03/08	5	ND	ND	0.44 J	ND	ND	ND	ND	ND	ND	ND
	ug/L	10/29/08	5	ND	ND	0.26 J	ND	ND	ND	ND	ND	ND	ND
	ug/L	03/24/09	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	5	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	03/22/10	5	ND	Dry	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	09/23/10	5	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	03/16/11	5	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	09/21/11	5	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
1,2-Dichloropropane	ug/L	12/05/94	1	ND	ND	ND	ND	--	--	--	--	ND	--
NC 2L = 0.6 ug/L	ug/L	02/14/95	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/03/95	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/30/95	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/08/96	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/24/96	1	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	04/15/97	1	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/97	1	ND	ND	1	ND	--	--	--	--	ND	--
	ug/L	05/14/98	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/11/98	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	06/04/99	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/99	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/20/00	1	ND	ND	ND	ND	ND	--	--	--	ND	--
	ug/L	11/07/00	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	02/27/01	1	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/16/01	1	ND	ND	ND	ND	--	ND	--	--	ND	--
	ug/L	04/24/02	1	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/01/02	1	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/09/03	1	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/20/03	1	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	03/24/04	1	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/27/04	1	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	05/25/05	1	ND	ND	ND	--	ND	ND	--	--	ND	--
	ug/L	10/04/05	1	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/25/06	1	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/04/06	1	ND	ND	ND	ND	ND	ND	--	--	ND	ND
	ug/L	03/21/07	1	ND	ND	ND	ND	ND	ND	--	--	ND	ND
	ug/L	10/02/07	1	ND	0.2 J	0.65 J	0.5 J	ND	0.17 J	--	--	ND	ND
	ug/L	04/03/08	1	ND	ND	ND	ND	ND	ND	0.12 J	ND	ND	ND
	ug/L	10/29/08	1	ND	ND	ND	0.5 J	ND	ND	ND	ND	ND	ND
	ug/L	03/24/09	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	1	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	03/22/10	1	ND	Dry	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	09/23/10	1	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	03/16/11	1	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	09/21/11	1	ND	ND	ND	ND	ND	ND	ND	ND	--	ND

TABLE 3

Summary of Detected Constituents in MSW Monitoring Wells
Nature and Extent Study
Henderson County Closed MSW Landfill, Permit No. 45-01

				Upgradient Compliance Well	Downgradient Compliance Wells			Assessment Wells				TVA Well	Blanks
Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	MW-5	MW-6	MW-7	MW-8	AMW-1S	AMW-1D	AMW-2S	AMW-2D	MW-9	
Ethylbenzene	ug/L	12/05/94	1	ND	11	ND	ND	--	--	--	--	ND	--
NC 2L = 600 ug/L	ug/L	02/14/95	1	ND	14	ND	ND	--	--	--	--	ND	--
	ug/L	04/03/95	1	ND	8	ND	ND	--	--	--	--	ND	--
	ug/L	10/30/95	1	ND	10	ND	ND	--	--	--	--	ND	--
	ug/L	04/08/96	1	ND	9	ND	ND	--	--	--	--	ND	--
	ug/L	10/24/96	1	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	04/15/97	1	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/97	1	ND	3	ND	2	--	--	--	--	ND	--
	ug/L	05/14/98	1	ND	8	ND	ND	--	--	--	--	ND	--
	ug/L	10/11/98	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	06/04/99	1	ND	11	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/99	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/20/00	1	ND	ND	ND	ND	ND	--	--	--	ND	--
	ug/L	11/07/00	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	02/27/01	1	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/16/01	1	ND	ND	ND	ND	--	ND	--	--	ND	--
	ug/L	04/24/02	1	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/01/02	1	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/09/03	1	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/20/03	1	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	03/24/04	1	ND	9	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/27/04	1	ND	22.4	ND	ND	ND	ND	--	--	ND	--
	ug/L	05/25/05	1	ND	ND	ND	--	ND	ND	--	--	ND	--
	ug/L	10/04/05	1	ND	28	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/25/06	1	ND	12.4	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/04/06	1	ND	15.7	ND	ND	ND	ND	--	--	ND	ND
	ug/L	03/21/07	1	ND	0.96 J	ND	1.04	ND	ND	--	--	ND	ND
	ug/L	10/02/07	1	ND	3.46	ND	1.24 J	ND	ND	--	--	ND	ND
	ug/L	04/03/08	1	ND	ND	ND	1.37 J	ND	ND	ND	ND	ND	ND
	ug/L	10/29/08	1	ND	0.22 J	ND	1.62	ND	ND	ND	ND	ND	ND
	ug/L	03/24/09	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	1	ND	ND	ND	0.95 J	ND	ND	ND	ND	--	ND
	ug/L	03/22/10	1	ND	Dry	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	09/23/10	1	ND	2.1	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	03/16/11	1	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	09/21/11	1	ND	2.3	ND	ND	ND	ND	ND	ND	--	ND
Dibromomethane	ug/L	12/05/94	10	ND	ND	ND	ND	--	--	--	--	ND	--
SWS GPS = 70 ug/L	ug/L	02/14/95	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/03/95	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/30/95	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/08/96	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/24/96	10	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	04/15/97	10	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/97	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	05/14/98	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/11/98	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	06/04/99	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/99	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/20/00	10	ND	ND	ND	ND	ND	--	--	--	ND	--
	ug/L	11/07/00	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	02/27/01	10	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/16/01	10	ND	ND	ND	ND	--	ND	--	--	ND	--
	ug/L	04/24/02	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/01/02	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/09/03	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/20/03	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	03/24/04	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/27/04	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	05/25/05	10	ND	ND	ND	--	ND	ND	--	--	ND	--
	ug/L	10/04/05	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/25/06	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/04/06	10	ND	ND	ND	ND	ND	ND	--	--	ND	ND
	ug/L	03/21/07	10	ND	ND	ND	ND	ND	ND	--	--	ND	ND
	ug/L	10/02/07	10	ND	ND	ND	ND	ND	ND	--	--	ND	ND
	ug/L	04/03/08	10	ND	ND	ND	0.26 J	ND	ND	ND	ND	ND	ND
	ug/L	10/29/08	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	03/24/09	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	10	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	03/22/10	10	ND	Dry	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	09/23/10	10	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	03/16/11	10	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	09/21/11	10	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
Methylene chloride	ug/L	12/05/94	10	ND	ND	ND	7	--	--	--	--	ND	--
NC 2L = 5 ug/L	ug/L	02/14/95	10	--	--	--	--	--	--	--	--	--	--
	ug/L	04/03/95	10	--	--	--	--	--	--	--	--	--	--
	ug/L	10/30/95	10	ND	ND	10	ND	--	--	--	--	ND	--
	ug/L	04/08/96	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/24/96	10	ND	--	9	ND	--	--	--	--	ND	--
	ug/L	04/15/97	10	--	--	--	--	--	--	--	--	--	--
	ug/L	10/29/97	10	ND	ND	ND	ND	--	--	--	--	1	--
	ug/L	05/14/98	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/11/98	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	06/04/99	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/99	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/20/00	10	ND	ND	ND	ND	ND	--	--	--	ND	--
	ug/L	11/07/00	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	02/27/01	10	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	10	ND	ND	ND	52	--	--	--	--	ND	--
	ug/L	10/16/01	10	ND	ND	ND	38	--	ND	--	--	ND	--
	ug/L	04/24/02	10	ND	ND	ND	87	ND	ND	--	--	ND	--
	ug/L	10/01/02	10	ND	ND	ND	44	ND	ND	--	--	ND	--
	ug/L	04/09/03	10	ND	ND	ND	54	ND	ND	--	--	ND	--
	ug/L	10/20/03	10	ND	ND	ND	27	ND	ND	--	--	ND	--
	ug/L	03/24/04	10	ND	ND	ND	30	ND	ND	--	--	ND	--
	ug/L	10/27/04	10	ND	ND	ND	42.1	ND	ND	--	--	ND	--
	ug/L	05/25/05	10	ND	ND	ND	--	ND	ND	--	--	ND	--
	ug/L	10/04/05	10	ND	ND	ND	13.4	ND	ND	--	--	ND	--
	ug/L	04/25/06	10	ND	ND	ND	13.9	ND	ND	--	--	ND	--
	ug/L	10/04/06	10	ND	ND	ND	15.1	ND	ND	--	--	ND	ND
	ug/L	03/21/07	10	ND	ND	0.35 J	23.3	ND	0.24 J	--	--	ND	ND
	ug/L	10/02/07	10	ND	0.57 B	ND	22.0	ND	ND	--	--	ND	0.41 J
	ug/L	04/03/08	10	ND	ND	0.34 B	34.2	ND	ND	ND	3.10 J	ND	0.42 J
	ug/L	10/29/08	10	ND	ND	0.27 J	33.7	ND	0.42 J	0.92 J	ND	0.75 J	ND
	ug/L	03/24/09	1	ND	ND	ND	11	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	1	ND	ND	ND	21	ND	ND	ND	ND	--	ND
	ug/L	03/22/10	1	ND	Dry	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	09/23/10	1	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	03/16/11	1	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	09/21/11	1	ND	ND	ND	3.4	ND	ND	ND	ND	--	ND
2-Butanone	ug/L	12/05/94	100	ND	10	ND	ND	--	--	--	--	ND	--
NC 2L = 4000 ug/L	ug/L	02/14/95	100	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/03/95	100	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/30/95	100	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/08/96	100	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/24/96	100	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	04/15/97	100	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/97	100	ND	46	ND	ND	--	--	--	--	ND	--
	ug/L	05/14/98	100	ND	220	ND	ND	--	--	--	--	ND	--
	ug/L	10/11/98	100	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	06/04/99	100	ND	670	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/99	100	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/20/00	100	ND	ND	ND	ND	ND	--	--	--	ND	--
	ug/L	11/07/00	100	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	02/27/01	100	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	100	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/16/01	100	ND	ND	ND	ND	--	ND	--	--	ND	--
	ug/L	04/24/02	100	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/01/02	100	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/09/03	100	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/20/03	100	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	03/24/04	100	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/27/04	100	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	05/25/05	100	ND	ND	ND	--	ND	ND	--	--	ND	--
	ug/L	10/04/05	100	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/25/06	100	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/04/06	100	ND	ND	ND	ND	ND	ND	--	--	ND	ND
	ug/L	03/21/07	100	ND	ND	ND	ND	ND	ND	--	--	ND	ND
	ug/L	10/02/07	100	ND	ND	ND	ND	ND	ND	--	--	ND	ND
	ug/L	04/03/08	100	ND	ND	1.68 J	ND	ND	ND	ND	ND	ND	ND
	ug/L	10/29/08	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	03/24/09	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	100	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	03/22/10	100	ND	Dry	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	09/23/10	100	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	03/16/11	100	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	09/21/11	100	ND	ND	ND	ND	ND	ND	ND	ND	--	ND

TABLE 3

Summary of Detected Constituents in MSW Monitoring Wells
Nature and Extent Study
Henderson County Closed MSW Landfill, Permit No. 45-01

				Upgradient Compliance Well	Downgradient Compliance Wells			Assessment Wells				TVA Well	Blanks
Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	MW-5	MW-6	MW-7	MW-8	AMW-1S	AMW-1D	AMW-2S	AMW-2D	MW-9	
4-Methyl-2-pentanone	ug/L	12/05/94	50	ND	16	ND	ND	--	--	--	--	ND	--
SWS GPS = 560 ug/L	ug/L	02/14/95	50	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/03/95	50	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/30/95	50	ND	20	ND	ND	--	--	--	--	ND	--
	ug/L	04/08/96	50	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/24/96	50	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	04/15/97	50	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/97	50	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	05/14/98	50	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/11/98	50	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	06/04/99	50	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/99	100	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/20/00	100	ND	ND	ND	ND	ND	--	--	--	ND	--
	ug/L	11/07/00	100	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	02/27/01	100	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	100	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/16/01	100	ND	ND	ND	ND	--	ND	--	--	ND	--
	ug/L	04/24/02	100	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/01/02	100	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/09/03	100	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/20/03	100	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	03/24/04	100	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/27/04	100	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	05/25/05	100	ND	ND	ND	--	ND	ND	--	--	ND	--
	ug/L	10/04/05	100	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/25/06	100	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/04/06	100	ND	ND	ND	ND	ND	ND	--	--	ND	ND
	ug/L	03/21/07	100	ND	ND	ND	ND	ND	ND	--	--	ND	ND
	ug/L	10/02/07	100	ND	ND	ND	ND	ND	ND	--	--	ND	ND
	ug/L	04/03/08	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	10/29/08	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	03/24/09	100	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	100	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	03/22/10	100	ND	Dry	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	09/23/10	100	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	03/16/11	100	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	09/21/11	100	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
Naphthalene	ug/L	12/05/94	5	--	--	--	--	--	--	--	--	--	--
NC 2L = 6 ug/L	ug/L	02/14/95	5	--	--	--	--	--	--	--	--	--	--
	ug/L	04/03/95	5	--	--	--	--	--	--	--	--	--	--
	ug/L	10/30/95	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/08/96	5	--	--	--	--	--	--	--	--	--	--
	ug/L	10/24/96	5	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	04/15/97	5	--	2	--	--	--	--	--	--	--	--
	ug/L	10/29/97	5	ND	ND	2	ND	--	--	--	--	ND	--
	ug/L	05/14/98	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/11/98	5	ND	9	ND	ND	--	--	--	--	ND	--
	ug/L	06/04/99	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/99	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/20/00	10	ND	ND	ND	ND	ND	--	--	--	ND	--
	ug/L	11/07/00	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	02/27/01	10	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	10	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/16/01	10	ND	ND	ND	ND	--	ND	--	--	ND	--
	ug/L	04/24/02	10	ND	7	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/01/02	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/09/03	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/20/03	10	ND	7	ND	ND	ND	ND	--	--	ND	--
	ug/L	03/24/04	10	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/27/04	10	ND	6	ND	ND	ND	ND	--	--	ND	--
	ug/L	05/25/05	10	ND	ND	ND	--	ND	ND	--	--	ND	--
	ug/L	10/04/05	10	ND	8	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/25/06	10	ND	6	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/04/06	10	ND	6	ND	ND	ND	ND	--	--	ND	ND
	ug/L	03/21/07	10	ND	ND	0.66 J	0.57 J	ND	ND	--	--	ND	ND
	ug/L	10/02/07	10	ND	3.04	1.49	0.75	ND	ND	--	--	ND	ND
	ug/L	04/03/08	10	ND	ND	ND	0.76 J	ND	ND	ND	ND	ND	ND
	ug/L	10/29/08	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	03/24/09	10	ND	ND	ND	0.55 J	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	--	--	--	--	--	--	--	--	--	--	--
	ug/L	03/22/10	10	ND	Dry	ND	ND	--	--	--	--	--	ND
	ug/L	09/23/10	10	--	--	--	--	--	--	--	--	--	--
	ug/L	03/16/11	10	ND	ND	ND	ND	--	--	--	--	--	ND
	ug/L	09/21/11	10	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene (PCE)	ug/L	12/05/94	1	ND	ND	6.6	9	--	--	--	--	ND	--
NC 2L = 0.7 ug/L	ug/L	02/14/95	1	ND	ND	7	7	--	--	--	--	6	--
	ug/L	04/03/95	1	ND	ND	6.3	ND	--	--	--	--	6	--
	ug/L	10/30/95	1	ND	ND	ND	ND	--	--	--	--	5	--
	ug/L	04/08/96	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/24/96	1	ND	--	ND	ND	--	--	--	--	9	--
	ug/L	04/15/97	1	ND	--	ND	15	--	--	--	--	16	--
	ug/L	10/29/97	1	ND	ND	4	4	--	--	--	--	16	--
	ug/L	05/14/98	1	ND	ND	ND	19	--	--	--	--	13	--
	ug/L	10/11/98	1	ND	ND	ND	15	--	--	--	--	15	--
	ug/L	06/04/99	1	ND	ND	ND	44	--	--	--	--	27	--
	ug/L	10/29/99	1	ND	ND	ND	27	--	--	--	--	31	--
	ug/L	04/20/00	1	ND	ND	ND	69	ND	--	--	--	30	--
	ug/L	11/07/00	1	ND	ND	ND	54	--	--	--	--	36	--
	ug/L	02/27/01	1	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	1	ND	ND	ND	110	--	--	--	--	24	--
	ug/L	10/16/01	1	ND	ND	ND	44	--	ND	--	--	11	--
	ug/L	04/24/02	1	ND	ND	ND	170	ND	ND	--	--	24	--
	ug/L	10/01/02	1	ND	ND	ND	110	ND	ND	--	--	20	--
	ug/L	04/09/03	1	ND	ND	ND	120	ND	ND	--	--	11	--
	ug/L	10/20/03	1	ND	ND	ND	61	ND	ND	--	--	8	--
	ug/L	03/24/04	1	ND	ND	ND	32	ND	ND	--	--	8.12	--
	ug/L	10/27/04	1	ND	ND	ND	52	ND	ND	--	--	6.96	--
	ug/L	05/25/05	1	ND	ND	ND	--	ND	ND	--	--	ND	--
	ug/L	10/04/05	1	ND	ND	ND	16.2	ND	ND	--	--	ND	--
	ug/L	04/25/06	1	ND	ND	ND	10	ND	ND	--	--	ND	--
	ug/L	10/04/06	1	ND	ND	ND	21	ND	ND	--	--	ND	ND
	ug/L	03/21/07	1	ND	ND	ND	28.8	ND	ND	--	--	2.17	ND
	ug/L	10/02/07	1	ND	ND	ND	42.1	ND	ND	--	--	1.79 J	ND
	ug/L	04/03/08	1	ND	ND	ND	47.9	ND	ND	ND	ND	2.32 J	ND
	ug/L	10/29/08	1	ND	ND	ND	48.5	ND	ND	ND	ND	1.98	ND
	ug/L	03/24/09	1	ND	ND	ND	8.7	ND	ND	ND	ND	2.7	ND
	ug/L	09/22/09	1	ND	ND	ND	25	ND	ND	ND	ND	--	ND
	ug/L	03/22/10	1	ND	Dry	ND	0.80 J	ND	ND	ND	ND	--	ND
	ug/L	09/23/10	1	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	03/16/11	1	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	09/21/11	1	ND	ND	ND	2.8	ND	ND	ND	ND	--	ND
Toluene	ug/L	12/05/94	1	ND	5	ND	ND	--	--	--	--	ND	--
NC 2L = 600 ug/L	ug/L	02/14/95	1	ND	7	ND	ND	--	--	--	--	ND	--
	ug/L	04/03/95	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/30/95	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/08/96	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/24/96	1	ND	--	ND	9	--	--	--	--	ND	--
	ug/L	04/15/97	1	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/97	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	05/14/98	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/11/98	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	06/04/99	1	ND	150	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/99	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/20/00	1	ND	59	ND	ND	ND	--	--	--	ND	--
	ug/L	11/07/00	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	02/27/01	1	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	1	ND	11	ND	ND	--	--	--	--	ND	--
	ug/L	10/16/01	1	ND	ND	ND	ND	--	ND	--	--	ND	--
	ug/L	04/24/02	1	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/01/02	1	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/09/03	1	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/20/03	1	ND	5	ND	ND	ND	ND	--	--	ND	--
	ug/L	03/24/04	1	ND	878	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/27/04	1	ND	1220	ND	ND	ND	ND	--	--	ND	--
	ug/L	05/25/05	1	ND	132	ND	--	ND	ND	--	--	ND	--
	ug/L	10/04/05	1	ND	16	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/25/06	1	ND	12	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/04/06	1	ND	ND	ND	ND	ND	ND	--	--	ND	ND
	ug/L	03/21/07	1	ND	0.3 J	ND	1.05	ND	ND	--	--	ND	ND
	ug/L	10/02/07	1	ND	1.08 J	0.11 J	1.62 J	ND	ND	--	--	ND	ND
	ug/L	04/03/08	1	ND	0.11 B	ND	1.30 B	ND	ND	ND	ND	ND	0.60 J
	ug/L	10/29/08	1	ND	4.33	ND	0.99 J	ND	ND	ND	ND	ND	ND
	ug/L	03/24/09	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	1	0.98 J	1.6	0.48 J	0.96 J	0.42 J	0.93 J	0.63 J	1.3	--	ND
	ug/L	03/22/10	1	ND	Dry	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	09/23/10	1	ND	3.1	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	03/16/11	1	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	09/21/11	1	ND	2.8	ND	ND	ND	ND	ND	ND	--	ND

TABLE 3

Summary of Detected Constituents in MSW Monitoring Wells
Nature and Extent Study
Henderson County Closed MSW Landfill, Permit No. 45-01

				Upgradient Compliance Well	Downgradient Compliance Wells			Assessment Wells				TVA Well	Blanks
Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	MW-5	MW-6	MW-7	MW-8	AMW-1S	AMW-1D	AMW-2S	AMW-2D	MW-9	
1,1,1-Trichloroethane	ug/L	12/05/94	1	ND	ND	--	ND	--	--	--	--	--	--
NC 2L = 200 ug/L	ug/L	02/14/95	1	ND	ND	--	ND	--	--	--	--	--	--
	ug/L	04/03/95	1	ND	ND	--	ND	--	--	--	--	--	--
	ug/L	10/30/95	1	ND	ND	--	ND	--	--	--	--	--	--
	ug/L	04/08/96	1	ND	ND	--	ND	--	--	--	--	--	--
	ug/L	10/24/96	1	ND	--	--	ND	--	--	--	--	--	--
	ug/L	04/15/97	1	ND	--	--	ND	--	--	--	--	--	--
	ug/L	10/29/97	1	ND	ND	--	ND	--	--	--	--	--	--
	ug/L	05/14/98	1	ND	ND	--	ND	--	--	--	--	--	--
	ug/L	10/11/98	1	ND	ND	--	ND	--	--	--	--	--	--
	ug/L	06/04/99	1	ND	ND	--	ND	--	--	--	--	--	--
	ug/L	10/29/99	1	ND	ND	--	ND	--	--	--	--	--	--
	ug/L	04/20/00	1	ND	ND	--	ND	--	--	--	--	--	--
	ug/L	11/07/00	1	ND	ND	--	ND	--	--	--	--	--	--
	ug/L	02/27/01	1	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	1	ND	ND	--	6	--	--	--	--	--	--
	ug/L	10/16/01	1	ND	ND	--	6	--	--	--	--	--	--
	ug/L	04/24/02	1	ND	ND	--	9	--	--	--	--	--	--
	ug/L	10/01/02	1	ND	ND	--	5	--	--	--	--	--	--
	ug/L	04/09/03	1	ND	ND	--	ND	--	--	--	--	--	--
	ug/L	10/20/03	1	ND	ND	--	ND	--	--	--	--	--	--
	ug/L	03/24/04	1	ND	ND	--	ND	--	--	--	--	--	--
	ug/L	10/27/04	1	ND	ND	--	ND	--	--	--	--	--	--
	ug/L	05/25/05	1	ND	ND	--	--	--	--	--	--	ND	--
	ug/L	10/04/05	1	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/25/06	1	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/04/06	1	ND	ND	ND	ND	ND	ND	--	--	ND	ND
	ug/L	03/21/07	1	ND	ND	ND	ND	ND	ND	--	--	ND	ND
	ug/L	10/02/07	1	ND	ND	ND	0.18 J	ND	ND	--	--	ND	ND
	ug/L	04/03/08	1	ND	ND	ND	0.23 J	ND	ND	ND	ND	ND	ND
	ug/L	10/29/08	1	ND	ND	ND	0.13 J	ND	ND	ND	ND	ND	ND
	ug/L	03/24/09	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	1	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	03/22/10	1	ND	Dry	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	09/23/10	1	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	03/16/11	1	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	09/21/11	1	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
Trichloroethene	ug/L	12/05/94	1	ND	ND	ND	ND	--	--	--	--	ND	--
NC 2L = 3 ug/L	ug/L	02/14/95	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/03/95	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/30/95	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/08/96	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/24/96	1	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	04/15/97	1	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/97	1	ND	ND	2	ND	--	--	--	--	2	--
	ug/L	05/14/98	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/11/98	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	06/04/99	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/99	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/20/00	1	ND	ND	ND	6	ND	--	--	--	ND	--
	ug/L	11/07/00	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	02/27/01	1	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	1	ND	ND	ND	14	--	--	--	--	ND	--
	ug/L	10/16/01	1	ND	ND	ND	8	--	--	--	--	ND	--
	ug/L	04/24/02	1	ND	ND	ND	20	ND	--	--	--	ND	--
	ug/L	10/01/02	1	ND	ND	ND	13	ND	--	--	--	ND	--
	ug/L	04/09/03	1	ND	ND	ND	27	ND	--	--	--	ND	--
	ug/L	10/20/03	1	ND	ND	ND	26	ND	--	--	--	ND	--
	ug/L	03/24/04	1	ND	ND	ND	13	ND	--	--	--	ND	--
	ug/L	10/27/04	1	ND	ND	ND	17.5	ND	--	--	--	ND	--
	ug/L	05/25/05	1	ND	ND	ND	--	ND	--	--	--	ND	--
	ug/L	10/04/05	1	ND	ND	ND	5	ND	ND	--	--	ND	--
	ug/L	04/25/06	1	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/04/06	1	ND	ND	ND	7	ND	ND	--	--	ND	ND
	ug/L	03/21/07	1	ND	ND	0.48 J	12	ND	0.31 J	--	--	ND	ND
	ug/L	10/02/07	1	ND	ND	0.41 J	15.5	ND	0.3 J	--	--	ND	ND
	ug/L	04/03/08	1	ND	ND	0.47 J	18.1	ND	0.28 J	0.30 J	ND	ND	ND
	ug/L	10/29/08	1	ND	ND	0.32 J	18.2	ND	0.33 J	0.45 J	ND	0.16 J	ND
	ug/L	03/24/09	1	ND	ND	ND	3.1	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	1	ND	ND	ND	9.5	ND	ND	ND	ND	--	ND
	ug/L	03/22/10	1	ND	Dry	ND	ND	ND	ND	0.44 J	ND	--	ND
	ug/L	09/23/10	1	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	03/16/11	1	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	09/21/11	1	ND	ND	ND	1.1	ND	ND	ND	ND	--	ND
1,1,2-Trichloroethane	ug/L	12/05/94	1	ND	ND	ND	ND	--	--	--	--	ND	--
SWS GPS = 0.6 ug/L	ug/L	02/14/95	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/03/95	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/30/95	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/08/96	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/24/96	1	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	04/15/97	1	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/97	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	05/14/98	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/11/98	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	06/04/99	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/99	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/20/00	1	ND	ND	ND	ND	ND	--	--	--	ND	--
	ug/L	11/07/00	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	02/27/01	1	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/16/01	1	ND	ND	ND	ND	--	ND	--	--	ND	--
	ug/L	04/24/02	1	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/01/02	1	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/09/03	1	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/20/03	1	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	03/24/04	1	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/27/04	1	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	05/25/05	1	ND	ND	ND	--	ND	ND	--	--	ND	--
	ug/L	10/04/05	1	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/25/06	1	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/04/06	1	ND	ND	ND	ND	ND	ND	--	--	ND	ND
	ug/L	03/21/07	1	ND	ND	ND	ND	ND	ND	--	--	ND	ND
	ug/L	10/02/07	1	ND	ND	ND	ND	ND	ND	--	--	ND	ND
	ug/L	04/03/08	1	ND	ND	ND	2.77	ND	ND	ND	ND	ND	ND
	ug/L	10/29/08	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	03/24/09	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	1	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	03/22/10	1	ND	Dry	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	09/23/10	1	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	03/16/11	1	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	09/21/11	1	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
Trichlorofluoromethane	ug/L	12/05/94	1	ND	ND	ND	ND	--	--	--	--	ND	--
NC 2L = 2000 ug/L	ug/L	02/14/95	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/03/95	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/30/95	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/08/96	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/24/96	1	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	04/15/97	1	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/97	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	05/14/98	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/11/98	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	06/04/99	1	ND	ND	ND	13	--	--	--	--	ND	--
	ug/L	10/29/99	1	ND	ND	ND	7	--	--	--	--	ND	--
	ug/L	04/20/00	1	ND	ND	ND	10	ND	--	--	--	ND	--
	ug/L	11/07/00	1	ND	ND	ND	15	--	--	--	--	ND	--
	ug/L	02/27/01	1	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	1	ND	ND	ND	14	--	--	--	--	ND	--
	ug/L	10/16/01	1	ND	ND	ND	19	--	ND	--	--	ND	--
	ug/L	04/24/02	1	ND	ND	ND	13	ND	ND	--	--	ND	--
	ug/L	10/01/02	1	ND	ND	ND	15	ND	ND	--	--	ND	--
	ug/L	04/09/03	1	ND	ND	ND	8	ND	ND	--	--	ND	--
	ug/L	10/20/03	1	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	03/24/04	1	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/27/04	1	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	05/25/05	1	ND	ND	ND	--	ND	ND	--	--	ND	--
	ug/L	10/04/05	1	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/25/06	1	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/04/06	1	ND	ND	ND	ND	ND	ND	--	--	ND	ND
	ug/L	03/21/07	1	ND	ND	ND	ND	ND	ND	--	--	ND	ND
	ug/L	10/02/07	1	ND	ND	ND	ND	ND	ND	--	--	2.23 J	ND
	ug/L	04/03/08	1	ND	ND	ND	ND	ND	ND	ND	ND	1.63 J	ND
	ug/L	10/29/08	1	ND	ND	ND	ND	ND	ND	ND	ND	4.43	ND
	ug/L	03/24/09	1	ND	ND	ND	ND	ND	ND	ND	ND	2.2	ND
	ug/L	09/22/09	1	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	03/22/10	1	ND	Dry	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	09/23/10	1	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	03/16/11	1	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	09/21/11	1	ND	ND	ND	ND	ND	ND	ND	ND	--	ND

TABLE 3

Summary of Detected Constituents in MSW Monitoring Wells
Nature and Extent Study
Henderson County Closed MSW Landfill, Permit No. 45-01

				Upgradient Compliance Well	Downgradient Compliance Wells			Assessment Wells				TVA Well	Blanks
Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	MW-5	MW-6	MW-7	MW-8	AMW-1S	AMW-1D	AMW-2S	AMW-2D	MW-9	
Vinyl chloride	ug/L	12/05/94	1	ND	ND	ND	ND	--	--	--	--	ND	--
NC 2L = 0.03 ug/L	ug/L	02/14/95	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/03/95	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/30/95	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/08/96	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/24/96	1	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	04/15/97	1	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/97	1	ND	2	5	2	--	--	--	--	1	--
	ug/L	05/14/98	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/11/98	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	06/04/99	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/99	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/20/00	1	ND	ND	ND	ND	ND	--	--	--	ND	--
	ug/L	11/07/00	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	02/27/01	1	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	1	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/16/01	1	ND	ND	ND	ND	--	ND	--	--	ND	--
	ug/L	04/24/02	1	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/01/02	1	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/09/03	1	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/20/03	1	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	03/24/04	1	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/27/04	1	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	05/25/05	1	ND	ND	ND	--	ND	ND	--	--	ND	--
	ug/L	10/04/05	1	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/25/06	1	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/04/06	1	ND	ND	ND	ND	ND	ND	--	--	ND	ND
	ug/L	03/21/07	1	ND	0.43 J	2.35	ND	ND	0.94 J	--	--	ND	ND
	ug/L	10/02/07	1	ND	1.03 J	2.68 J	0.31 J	ND	0.89 J	--	--	ND	ND
	ug/L	04/03/08	1	ND	ND	2.94 J	ND	ND	0.98 J	0.59 J	ND	ND	ND
	ug/L	10/29/08	1	ND	0.25 J	2.36	0.49 J	ND	0.82 J	0.57 J	ND	ND	ND
	ug/L	03/24/09	1	ND	ND	1.5	ND	ND	0.60 J	0.53 J	ND	ND	ND
	ug/L	09/22/09	1	ND	ND	1.4	ND	ND	0.67 J	ND	ND	--	ND
	ug/L	03/22/10	1	ND	Dry	1.2	ND	ND	0.60 J	ND	ND	--	ND
	ug/L	09/23/10	1	ND	ND	1.2	ND	ND	ND	ND	ND	--	ND
	ug/L	03/16/11	1	ND	ND	1.3	ND	ND	ND	ND	ND	--	ND
	ug/L	09/21/11	1	ND	ND	1.5	ND	ND	0.76 J	ND	ND	--	ND
Xylenes (Total)	ug/L	12/05/94	5	ND	70	ND	130		--	--	--	ND	--
NC 2L = 500 ug/L	ug/L	02/14/95	5	ND	68	ND	ND	--	--	--	--	ND	--
	ug/L	04/03/95	5	ND	45	ND	47	--	--	--	--	ND	--
	ug/L	10/30/95	5	ND	40	ND	40	--	--	--	--	ND	--
	ug/L	04/08/96	5	ND	46	ND	35	--	--	--	--	ND	--
	ug/L	10/24/96	5	ND	--	ND	19	--	--	--	--	ND	--
	ug/L	04/15/97	5	ND	--	ND	44	--	--	--	--	ND	--
	ug/L	10/29/97	5	ND	12	1	3	--	--	--	--	ND	--
	ug/L	05/14/98	5	ND	65	ND	17	--	--	--	--	ND	--
	ug/L	10/11/98	5	ND	ND	ND	5	--	--	--	--	ND	--
	ug/L	06/04/99	5	ND	55	ND	9	--	--	--	--	ND	--
	ug/L	10/29/99	5	ND	8	ND	6	--	--	--	--	ND	--
	ug/L	04/20/00	5	ND	10	ND	ND	ND	--	--	--	ND	--
	ug/L	11/07/00	5	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	02/27/01	5	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	5	ND	27	ND	ND	--	--	--	--	ND	--
	ug/L	10/16/01	5	ND	17	ND	ND	--	ND	--	--	ND	--
	ug/L	04/24/02	5	ND	40	ND	14	ND	ND	--	--	ND	--
	ug/L	10/01/02	5	ND	8	ND	9	ND	ND	--	--	ND	--
	ug/L	04/09/03	5	ND	ND	ND	15	ND	ND	--	--	ND	--
	ug/L	10/20/03	5	ND	27	ND	14	ND	ND	--	--	ND	--
	ug/L	03/24/04	5	ND	48	ND	10	ND	ND	--	--	ND	--
	ug/L	10/27/04	5	ND	70	ND	18	ND	ND	--	--	ND	--
	ug/L	05/25/05	5	ND	55	ND	--	ND	ND	--	--	ND	--
	ug/L	10/04/05	5	ND	81	ND	12	ND	ND	--	--	ND	--
	ug/L	04/25/06	5	ND	48	ND	12	ND	ND	--	--	ND	--
	ug/L	10/04/06	5	ND	59	ND	14	ND	ND	--	--	ND	ND
	ug/L	03/21/07	5	ND	2.74	ND	29.5	ND	ND	--	--	ND	ND
	ug/L	10/02/07	5	ND	4.54	ND	34	ND	ND	--	--	ND	ND
	ug/L	04/03/08	5	ND	ND	ND	40.6	ND	ND	ND	ND	ND	ND
	ug/L	10/29/08	5	ND	0.86 J	ND	39.8	ND	ND	ND	ND	ND	ND
	ug/L	03/24/09	5	ND	ND	ND	8.3	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	5	ND	ND	ND	19	ND	ND	ND	ND	--	ND
	ug/L	03/22/10	5	ND	Dry	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	09/23/10	5	ND	5.4	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	03/16/11	5	ND	ND	ND	ND	ND	ND	ND	ND	--	ND
	ug/L	09/21/11	5	ND	3.6 J	ND	2.5 J	ND	ND	ND	ND	--	ND
2-Methylphenol	ug/L	12/05/94	--	--	--	--	--	--	--	--	--	--	--
SWS GPS = 400 ug/L	ug/L	02/14/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	04/03/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/30/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	04/08/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	05/29/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	06/06/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/24/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	04/15/97	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/29/97	--	ND	120	ND	ND	--	--	--	--	ND	--
	ug/L	05/14/98	--	ND	170	ND	ND	--	--	--	--	ND	--
	ug/L	10/11/98	--	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	06/04/99	--	ND	200	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/99	--	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/20/00	--	ND	52	ND	ND	ND	--	--	--	ND	--
	ug/L	11/07/00	--	ND	ND	ND	ND	ND	--	--	--	ND	--
	ug/L	02/27/01	--	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	--	ND	14	ND	ND	ND	--	--	--	ND	--
	ug/L	10/16/01	--	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/24/02	--	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/01/02	--	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/09/03	--	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/20/03	--	ND	38	ND	ND	ND	ND	--	--	ND	--
	ug/L	03/24/04	--	ND	2440	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/27/04	--	ND	2240	ND	ND	ND	ND	--	--	ND	--
	ug/L	05/25/05	--	ND	278	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/04/05	--	ND	28.6	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/25/06	--	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/04/06	--	ND	82.8	ND	ND	ND	ND	--	--	ND	--
	ug/L	03/21/07	--	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/02/07	--	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/03/08	--	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/30/08	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
	ug/L	03/24/09	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	--	--	--	--	--	--	--	--	--	--	--
	ug/L	03/22/10	10	ND	Dry	ND	ND	--	--	--	--	--	ND
	ug/L	09/23/10	--	--	--	--	--	--	--	--	--	--	--
	ug/L	03/16/11	10	ND	ND	ND	ND	--	--	--	--	--	ND
	ug/L	09/21/11	--	--	--	--	--	--	--	--	--	--	--
Diethylphthalate	ug/L	12/05/94	--	--	--	--	--	--	--	--	--	--	--
NC 2L = 6000 ug/L	ug/L	02/14/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	04/03/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/30/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	06/06/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/24/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	04/15/97	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/29/97	--	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	05/14/98	--	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/11/98	--	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	06/04/99	--	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/99	--	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/20/00	--	ND	ND	ND	ND	ND	--	--	--	ND	--
	ug/L	11/07/00	--	ND	ND	ND	ND	ND	--	--	--	ND	--
	ug/L	02/27/01	6	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	--	ND	ND	ND	ND	ND	--	--	--	ND	--
	ug/L	10/16/01	--	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/24/02	--	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/01/02	--	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/09/03	--	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/20/03	--	ND	19	ND	ND	ND	ND	--	--	ND	--
	ug/L	03/24/04	--	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/27/04	--	ND	35.9	ND	ND	ND	ND	--	--	ND	--
	ug/L	05/25/05	--	ND	140	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/04/05	--	ND	548	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/25/06	--	ND	101	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/04/06	--	ND	86.6	ND	ND	ND	ND	--	--	ND	--
	ug/L	03/21/07	--	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/02/07	--	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/03/08	--	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/30/08	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
	ug/L	03/24/09	10	ND	ND	ND	ND	ND	ND	1.5 J	ND	ND	ND
	ug/L	09/22/09	--	--	--	--	--	--	--	--	--	--	--
	ug/L	03/22/10	10	ND	Dry	ND	ND	--	--	--	--	--	ND
	ug/L	09/23/10	--	--	--	--	--	--	--	--	--	--	--
	ug/L	03/16/11	6000	ND	ND	ND	ND	--	--	--	--	--	ND
	ug/L	09/21/11	--	--	--	--	--	--	--	--	--	--	--

TABLE 3

Summary of Detected Constituents in MSW Monitoring Wells
Nature and Extent Study
Henderson County Closed MSW Landfill, Permit No. 45-01

				Upgradient Compliance Well	Downgradient Compliance Wells			Assessment Wells				TVA Well	Blanks
Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	MW-5	MW-6	MW-7	MW-8	AMW-1S	AMW-1D	AMW-2S	AMW-2D	MW-9	
2,4-dimethylphenol	ug/L	12/05/94	--	--	--	--	--	--	--	--	--	--	--
NC 2L = 100 ug/L	ug/L	02/14/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	04/03/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/30/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	06/06/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/24/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	04/15/97	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/29/97	--	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	05/14/98	--	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/11/98	--	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	06/04/99	--	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/99	--	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/20/00	--	ND	ND	ND	ND	ND	--	--	--	ND	--
	ug/L	11/07/00	--	ND	ND	ND	ND	ND	--	--	--	ND	--
	ug/L	02/27/01	--	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	--	ND	ND	ND	ND	ND	--	--	--	ND	--
	ug/L	10/16/01	--	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/24/02	--	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/01/02	--	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/09/03	--	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/20/03	--	ND	19	ND	ND	ND	ND	--	--	ND	--
	ug/L	03/24/04	--	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/27/04	--	ND	35.9	ND	ND	ND	ND	--	--	ND	--
	ug/L	05/25/05	--	ND	140	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/04/05	--	ND	548	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/25/06	--	ND	101	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/04/06	--	ND	86.6	ND	ND	ND	ND	--	--	ND	--
	ug/L	03/21/07	--	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/02/07	--	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/03/08	--	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/30/08	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
	ug/L	03/24/09	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	--	--	--	--	--	--	--	--	--	--	--
	ug/L	03/22/10	10	ND	Dry	ND	ND	--	--	--	--	--	ND
	ug/L	09/23/10	--	--	--	--	--	--	--	--	--	--	--
	ug/L	03/16/11	10	ND	ND	ND	ND	--	--	--	--	--	ND
	ug/L	09/21/11	--	--	--	--	--	--	--	--	--	--	--
Phenol	ug/L	12/05/94	--	--	--	--	--	--	--	--	--	--	--
NC 2L = 30 ug/L	ug/L	02/14/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	04/03/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/30/95	--	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/08/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	05/29/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	06/06/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/24/96	--	ND	--	ND	ND	--	--	--	--	ND	--
	ug/L	04/15/97	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/29/97	--	ND	240	ND	ND	--	--	--	--	ND	--
	ug/L	05/14/98	--	ND	1400	ND	ND	--	--	--	--	ND	--
	ug/L	10/11/98	--	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	06/04/99	--	ND	3100	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/99	--	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/20/00	--	ND	190	ND	ND	15	--	--	--	ND	--
	ug/L	11/07/00	--	ND	ND	ND	ND	ND	--	--	--	ND	--
	ug/L	02/27/01	--	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	--	ND	ND	ND	ND	ND	--	--	--	ND	--
	ug/L	10/16/01	--	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/24/02	--	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/01/02	--	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/09/03	--	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/20/03	--	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	03/24/04	--	ND	13200	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/27/04	--	ND	16400	ND	ND	ND	ND	--	--	ND	--
	ug/L	05/25/05	--	ND	105	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/04/05	--	ND	26.8	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/25/06	--	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/04/06	--	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	03/21/07	--	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/02/07	--	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/03/08	--	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/30/08	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
	ug/L	03/24/09	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	--	--	--	--	--	--	--	--	--	--	--
	ug/L	03/22/10	10	ND	Dry	ND	ND	--	--	--	--	--	ND
	ug/L	09/23/10	--	--	--	--	--	--	--	--	--	--	--
	ug/L	03/16/11	10	ND	ND	ND	ND	--	--	--	--	--	ND
	ug/L	09/21/11	--	--	--	--	--	--	--	--	--	--	--
3 &4-methylphenol	ug/L	12/05/94	--	--	--	--	--	--	--	--	--	--	--
NC 2L Standard = 400/40 ug/L	ug/L	02/14/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	04/03/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/30/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	04/08/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	05/29/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	06/06/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/24/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	04/15/97	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/29/97	--	ND	140	ND	ND	--	--	--	--	ND	--
	ug/L	05/14/98	--	ND	160	ND	ND	--	--	--	--	ND	--
	ug/L	10/11/98	--	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	06/04/99	--	ND	260	ND	ND	--	--	--	--	ND	--
	ug/L	10/29/99	--	ND	ND	ND	ND	--	--	--	--	ND	--
	ug/L	04/20/00	--	ND	57	ND	ND	ND	--	--	--	ND	--
	ug/L	11/07/00	--	ND	ND	ND	ND	ND	--	--	--	ND	--
	ug/L	02/27/01	--	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	--	ND	ND	ND	ND	ND	--	--	--	ND	--
	ug/L	10/16/01	--	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/24/02	--	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/01/02	--	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/09/03	--	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/20/03	--	ND	27	ND	ND	ND	ND	--	--	ND	--
	ug/L	03/24/04	--	ND	1930	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/27/04	--	ND	2880	ND	ND	ND	ND	--	--	ND	--
	ug/L	05/25/05	--	ND	398	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/04/05	--	ND	109	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/25/06	--	ND	25.4	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/04/06	--	ND	16.4	ND	ND	ND	ND	--	--	ND	--
	ug/L	03/21/07	--	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/02/07	--	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	04/03/08	--	ND	ND	ND	ND	ND	ND	--	--	ND	--
	ug/L	10/30/08	--	ND	4.26 J	ND	ND	ND	ND	ND	ND	ND	--
	ug/L	03/24/09	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	--	--	--	--	--	--	--	--	--	--	--
	ug/L	03/22/10	10	ND	Dry	ND	ND	--	--	--	--	--	ND
	ug/L	09/23/10	--	--	--	--	--	--	--	--	--	--	--
	ug/L	03/16/11	10	ND	ND	ND	ND	--	--	--	--	--	ND
	ug/L	09/21/11	10	--	--	--	--	--	--	--	--	--	--
pH (field)	S.U.	02/27/01	--	--	--	--	--	--	--	--	--	--	--
	S.U.	10/04/06	--	5.81	6.06	5.54	5.90	6.17	6.15	--	--	5.35	--
	S.U.	03/21/07	--	--	--	--	--	--	--	--	--	--	--
	S.U.	10/02/07	--	5.60	5.88	5.28	5.23	5.81	5.90	--	--	5.37	--
	S.U.	04/03/08	--	5.76	6.05	5.30	5.63	6.00	5.95	6.24	7.35	4.93	--
	S.U.	10/29/08	--	--	--	--	--	--	--	--	--	--	--
	S.U.	03/24/09	--	6.94	6.43	6.42	6.64	6.21	6.82	7.11	7.56	6.31	--
	S.U.	09/22/09	--	5.58	5.32	5.60	5.72	5.87	5.91	5.92	6.27	--	--
	S.U.	03/22/10	--	5.58	Dry	5.44	6.01	6.07	5.62	5.98	6.40	--	--
	S.U.	09/23/10	--	5.48	6.00	5.67	6.04	5.27	5.79	5.85	6.26	--	--
	S.U.	03/16/11	--	5.53	5.91	5.74	6.15	5.29	5.93	6.08	6.42	--	--
	S.U.	09/21/11	--	5.65	6.01	5.92	5.88	5.11	5.88	6.38	6.44	--	--
Conductivity (field)	uS/cm	02/27/01	--	--	--	--	--	--	--	--	--	--	--
	uS/cm	10/04/06	--	90	953	319	530	531	395	--	--	56	--
	uS/cm	03/21/07	--	--	--	--	--	--	--	--	--	--	--
	uS/cm	10/02/07	--	115	451	189	319	715	597	--	--	85	--
	uS/cm	04/03/08	--	98	250	197	552	597	585	243	140	59	--
	uS/cm	10/29/08	--	--	--	--	--	--	--	--	--	--	--
	uS/cm	03/24/09	--	110	150	330	730	200	650	610	130	120	--
	uS/cm	09/22/09	--	101	125	340	661	441	675	277	111	--	--
	uS/cm	03/22/10	--	148	Dry	339	884	89	560	248	109	--	--
	uS/cm	09/23/10	--	181	1262	451	999	93	603	219	124	--	--
	uS/cm	03/16/11	--	166	92	431	529	140	589	259	119	--	--
	uS/cm	09/21/11	--	146	1228	494	989	94	563	282	114	--	--
Temperature (field)	Celsius	02/27/01	--	--	--	--	--	--	--	--	--	--	--
	Celsius	10/04/06	--	13.8	16.6	18.0	15.7	15.4	14.7	--	--	13.7	--
	Celsius	03/21/07	--	--	--	--	--	--	--	--	--	--	--
	Celsius	10/02/07	--	14.1	17.4	17.9	16.0	15.1	14.8	--	--	13.6	--
	Celsius	04/03/08	--	13.2	12.1	16.5	15.5	13.0	12.4	13.01	15.30	13.1	--
	Celsius	10/29/08	--	--	--	--	--	--	--	--	--	--	--
	Celsius	03/24/09	--	12.6	14.9	18.5	17.3	17.6	16.8	13.6	11.9	13.7	--
	Celsius	09/22/09	--	16.7	19.95	19.91	22.78	17.31	16.68	17.22	17.47	--	--
	Celsius	03/22/10	--	13.17	Dry	14.97	11.76	10.08	10.97	9.33	7.41	--	--
	Celsius	09/23/10	--	14.92	19.69	18.65	18.77	16.25	15.78	17.11	18.35	--	--
	Celsius	03/16/11	--	12.61	9.68	15.64	15.08	11.96	11.95	10.02	9.24	--	--
	Celsius	09/21/11	--	14.32	17.37	17.38	16.06	16.29	15.85	17.06	17.34	--	--

TABLE 3

Summary of Detected Constituents in MSW Monitoring Wells
Nature and Extent Study
Henderson County Closed MSW Landfill, Permit No. 45-01

Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	Upgradient Compliance Well	Downgradient Compliance Wells			Assessment Wells				TVA Well	Blanks
				MW-5	MW-6	MW-7	MW-8	AMW-1S	AMW-1D	AMW-2S	AMW-2D	MW-9	
Turbidity (field)	NTU	03/24/09	--	59.0	60.5	29.1	83.9	18.8	4.37	41.1	17.2	9.04	--
	NTU	09/22/09	--	39.1	11.6	23.7	97.6	20.2	6.68	91.0	46.0	--	--
	NTU	03/22/10	--	73.8	Dry	17.0	33.8	19.0	9.68	24.8	18.4	--	--
	NTU	09/23/10	--	48.4	11.0	24.3	51.1	12.8	4.35	34.2	6.63	--	--
	NTU	03/16/11	--	51.7	38.9	5.93	30.8	12.4	0.77	14.2	5.17	--	--
	NTU	09/21/11	--	40.1	140	64.9	280	10.3	2.18	64.9	3.41	--	--

Notes:

ug/L = micrograms per liter
mg/L = milligrams per liter
NTU = Nephelometric Turbidity Units
mV = millivolts
S.U. = Standard Units
ND = Not detected at the stated reporting limit
NM = Not measured
J = estimated concentration
B = Blank-qualified result
-- = no data available
Blanks = field, trip and method blanks
Shaded = concentrations above the NC 2L Groundwater Standards or Solid Waste Section Groundwater Protection Standards (SWS GPS) have been shaded.
SWS Reporting Limit = NCPQL or lab-specific reporting limit prior to October 2007 and NCSWSL starting in October 2007
1) Historical data prior to March 2009 provided by Henderson County and CDM.

TABLE 4

Summary of Detected Constituents in C&D Monitoring Wells
Henderson County Closed C&D Landfill, Permit No. 45-01
Henderson County, North Carolina

Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting	Upgradient Well MW-10		Downgradient Wells MW-11		MW-12		MW-13		Blanks	
Antimony	ug/L	03/24/09	6	ND		ND		ND		ND		ND	
SWS GPS = 1 ug/L	ug/L	09/22/09	6	ND		ND		0.098	J	ND		ND	
	ug/L	03/24/10	6	ND		ND		ND		ND		ND	
	ug/L	09/22/10	6	ND		ND		ND		ND		ND	
	ug/L	03/16/11	6	ND		ND		0.248	J	0.360	J	ND	
	ug/L	09/21/11	6	0.255	J	--		ND		0.609	J	ND	
Arsenic	ug/L	06/21/01	10	ND		ND		ND		ND		--	
NC 2L = 10 ug/L	ug/L	04/24/02	10	ND		ND		ND		ND		--	
	ug/L	10/01/02	10	ND		ND		ND		ND		--	
	ug/L	04/10/03	10	ND		ND		ND		ND		--	
	ug/L	10/20/03	10	ND		ND		ND		ND		--	
	ug/L	03/24/04	10	ND		ND		ND		ND		--	
	ug/L	10/27/04	10	ND		ND		ND		ND		--	
	ug/L	05/25/05	10	ND		ND		ND		ND		--	
	ug/L	10/05/05	10	ND		ND		ND		ND		--	
	ug/L	04/25/06	10	ND		ND		ND		ND		--	
	ug/L	10/05/06	10	ND		ND		ND		ND		ND	
	ug/L	03/21/07	10	ND		ND		ND		ND		ND	
	ug/L	10/02/07	10	2.79	J	ND		ND		4.85	J	ND	
	ug/L	04/01/08	10	10.1		3.01	J	6.29	J	9.48	J	ND	
	ug/L	10/29/08	10	ND		ND		ND		ND		ND	
	ug/L	03/24/09	10	ND		ND		ND		ND		ND	
	ug/L	09/22/09	10	ND		3.81	J	3.64	J	ND		ND	
	ug/L	03/24/10	10	ND		ND		ND		ND		ND	
	ug/L	09/22/10	10	ND		ND		ND		ND		ND	
	ug/L	03/16/11	10	ND		ND		ND		ND		ND	
	ug/L	09/21/11	10	ND		--		ND		ND		ND	
Barium	ug/L	06/21/01	100	ND		ND		ND		ND		--	
NC 2L = 700 ug/L	ug/L	04/24/02	100	278		ND		306		ND		--	
	ug/L	10/01/02	100	ND		ND		ND		ND		--	
	ug/L	04/10/03	100	ND		ND		ND		ND		--	
	ug/L	10/20/03	100	ND		ND		ND		ND		--	
	ug/L	03/24/04	100	ND		ND		ND		ND		--	
	ug/L	10/27/04	100	ND		ND		ND		ND		--	
	ug/L	05/25/05	100	ND		ND		ND		ND		--	
	ug/L	10/05/05	100	ND		ND		ND		ND		--	
	ug/L	04/25/06	100	ND		ND		ND		ND		--	
	ug/L	10/05/06	100	ND		ND		ND		ND		ND	
	ug/L	03/21/07	100	19.5	J	25.0	J	19.7	J	20.0	J	ND	
	ug/L	10/02/07	100	12.0	J	24.7	J	15.6	J	28.2	J	ND	
	ug/L	04/01/08	100	49.5	J	63.1	J	27.6	J	153		ND	
	ug/L	10/29/08	100	5.81	J	150		26.1	J	68.7	J	ND	
	ug/L	03/24/09	100	15.8	J	61.2	J	25.9	J	19.8	J	ND	
	ug/L	09/22/09	100	5.04	J	75.9	J	26.0	J	14.9	J	ND	
	ug/L	03/24/10	100	2.75	B	33.7	J	14.3	J	12.1	J	1.54	J
	ug/L	09/22/10	100	26.1	J	23.0	J	9.25	J	12.5	J	ND	
	ug/L	03/16/11	100	59.1	J	32.5	J	18.0	J	12.6	J	ND	
	ug/L	09/21/11	100	2.53	J	--		13.7	J	12.2	J	ND	
Beryllium	ug/L	03/24/09	1	0.32	J	1.19		0.46	J	0.09	J	ND	
SWS GPS = 4 ug/L	ug/L	09/22/09	1	0.190	B	1.02		0.682	J	0.117	B	0.113	
	ug/L	03/24/10	1	0.178	J	1.46		0.130	J	ND		ND	
	ug/L	09/22/10	1	ND		0.882	J	0.120	J	ND		ND	
	ug/L	03/16/11	1	0.753	J	0.941	J	0.117	J	ND		ND	
	ug/L	09/21/11	1	ND		--		ND		ND		ND	
Cadmium	ug/L	06/21/01	1	ND		ND		ND		ND		--	
NC 2L = 2 ug/L	ug/L	04/24/02	1	ND		ND		ND		ND		--	
	ug/L	10/01/02	1	ND		ND		ND		ND		--	
	ug/L	04/10/03	1	ND		ND		ND		ND		--	
	ug/L	10/20/03	1	ND		ND		ND		ND		--	
	ug/L	03/24/04	1	ND		ND		ND		ND		--	
	ug/L	10/27/04	1	ND		ND		ND		ND		--	
	ug/L	05/25/05	1	ND		ND		ND		ND		--	
	ug/L	10/05/05	1	ND		ND		ND		ND		--	
	ug/L	04/25/06	1	ND		ND		ND		ND		--	
	ug/L	10/05/06	1	ND		ND		ND		ND		ND	
	ug/L	03/21/07	1	0.750	J	1.31	J	2.31	J	2.15	J	ND	
	ug/L	10/02/07	1	ND		ND		2.90	J	ND		ND	
	ug/L	04/01/08	1	ND		ND		ND		0.53	J	ND	
	ug/L	10/29/08	1	ND		0.35	J	ND		ND		ND	
	ug/L	03/24/09	1	ND		0.27	J	0.14	J	ND		ND	
	ug/L	09/22/09	1	ND		1.15		0.461	J	1.00		ND	
	ug/L	03/24/10	1	ND		ND		ND		ND		ND	
	ug/L	09/22/10	1	ND		ND		ND		ND		ND	
	ug/L	03/16/11	1	ND		ND		ND		ND		ND	
	ug/L	09/21/11	1	ND		--		0.402	J	ND		ND	

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TABLE 4

Summary of Detected Constituents in C&D Monitoring Wells
Henderson County Closed C&D Landfill, Permit No. 45-01
Henderson County, North Carolina

Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting	Upgradient Well MW-10		Downgradient Wells MW-11		MW-12		MW-13		Blanks
Chromium	ug/L	06/21/01	10	ND		ND		ND		23.8		--
NC 2L = 10 ug/L	ug/L	04/24/02	10	ND		ND		ND		ND		--
	ug/L	10/01/02	10	ND		ND		ND		ND		--
	ug/L	04/10/03	10	ND		ND		ND		ND		--
	ug/L	10/20/03	10	ND		ND		ND		13.5		--
	ug/L	03/24/04	10	ND		ND		ND		12.8		--
	ug/L	10/27/04	10	ND		ND		ND		ND		--
	ug/L	05/25/05	10	ND		ND		ND		ND		--
	ug/L	10/05/05	10	ND		ND		ND		ND		--
	ug/L	04/25/06	10	ND		ND		ND		ND		--
	ug/L	10/05/06	10	ND		ND		ND		ND		ND
	ug/L	03/21/07	10	3.41	J	3.26	J	3.55	J	2.97	J	ND
	ug/L	10/02/07	10	2.28	J	1.17	J	2.08	J	3.80	J	ND
	ug/L	04/01/08	10	5.80	J	3.56	J	3.07	J	103		ND
	ug/L	10/29/08	10	ND		ND		1.77	J	19.0		ND
	ug/L	03/24/09	10	1.0	J	ND		1.2	J	3.0	J	ND
	ug/L	09/22/09	10	ND		ND		ND		ND		ND
	ug/L	03/24/10	10	ND		ND		ND		ND		ND
	ug/L	09/22/10	10	1.18	J	ND		ND		ND		ND
	ug/L	03/16/11	10	5.18	J	ND		ND		ND		ND
	ug/L	09/21/11	10	ND		--		ND		ND		ND
Cobalt	ug/L	03/24/09	10	0.8	J	ND		1.1	J	ND		ND
SWS GPS = 1 ug/L	ug/L	09/22/09	10	ND		ND		1.28	J	ND		ND
	ug/L	03/24/10	10	ND		4.30	J	ND		ND		ND
	ug/L	09/22/10	10	2.10	J	2.89	J	1.87	J	ND		ND
	ug/L	03/16/11	10	3.28	J	2.05	J	ND		ND		ND
	ug/L	09/21/11	10	ND		--		ND		ND		ND
Copper	ug/L	03/24/09	10	3.42	J	ND		ND		ND		ND
NC 2L =1000 ug/L	ug/L	09/22/09	10	ND		ND		ND		1.82	J	ND
	ug/L	03/24/10	10	ND		2.76	J	ND		ND		ND
	ug/L	09/22/10	10	3.49	J	ND		ND		ND		ND
	ug/L	03/16/11	10	15.9		2.55	J	3.09	J	4.85	J	ND
	ug/L	09/21/11	10	ND		--		ND		1.80	J	ND
Lead	ug/L	06/21/01	10	14.2		ND		ND		10.4		--
NC 2L = 15 ug/L	ug/L	04/24/02	10	ND		ND		ND		ND		--
	ug/L	10/01/02	10	ND		ND		ND		ND		--
	ug/L	04/10/03	10	ND		ND		ND		ND		--
	ug/L	10/20/03	10	ND		ND		ND		ND		--
	ug/L	03/24/04	10	ND		ND		ND		ND		--
	ug/L	10/27/04	10	ND		ND		ND		ND		--
	ug/L	05/25/05	10	10.3		ND		ND		ND		--
	ug/L	10/05/05	10	ND		ND		ND		ND		--
	ug/L	04/25/06	10	ND		ND		ND		ND		--
	ug/L	10/05/06	10	ND		ND		ND		ND		ND
	ug/L	03/21/07	10	3.32	J	3.57	J	2.12	J	ND		ND
	ug/L	10/02/07	10	ND		ND		ND		ND		ND
	ug/L	04/01/08	10	13.1		9.16	J	ND		25.1		ND
	ug/L	10/29/08	10	6.51	J	ND		8.35	J	9.00	J	ND
	ug/L	03/24/09	10	4.4	J	3.7	J	3.1	J	3.9	J	ND
	ug/L	09/22/09	10	2.40	J	ND		3.84	J	ND		ND
	ug/L	03/24/10	10	ND		ND		2.18	J	ND		ND
	ug/L	09/22/10	10	2.56	J	ND		ND		ND		ND
	ug/L	03/16/11	10	12.8		2.55	J	ND		2.29	J	ND
	ug/L	09/21/11	10	ND		--		ND		ND		ND
Mercury	ug/L	06/21/01	0.2	ND		ND		ND		ND		--
NC 2L = 1 ug/L	ug/L	04/24/02	0.2	ND		ND		ND		ND		--
	ug/L	10/01/02	0.2	ND		ND		ND		ND		--
	ug/L	04/10/03	0.2	ND		ND		ND		ND		--
	ug/L	10/20/03	0.2	ND		ND		ND		ND		--
	ug/L	03/24/04	0.2	ND		ND		ND		ND		--
	ug/L	10/27/04	0.2	ND		ND		ND		ND		--
	ug/L	05/25/05	0.2	ND		ND		ND		ND		--
	ug/L	10/05/05	0.2	ND		ND		ND		ND		--
	ug/L	04/25/06	0.2	ND		ND		ND		ND		--
	ug/L	10/05/06	0.2	ND		ND		ND		ND		ND
	ug/L	03/21/07	0.2	ND		ND		0.093	J	ND		ND
	ug/L	10/02/07	0.2	ND		ND		0.136	J	ND		ND
	ug/L	04/01/08	0.2	ND		ND		0.096	J	ND		ND
	ug/L	10/29/08	0.2	ND		ND		0.198	J	ND		ND
	ug/L	03/24/09	0.2	ND		ND		0.54		ND		ND
	ug/L	09/22/09	0.2	ND		ND		0.172	J	ND		ND
	ug/L	03/24/10	0.2	ND		0.0586	J	0.144	J	ND		ND
	ug/L	09/22/10	0.2	ND		ND		ND		ND		ND
	ug/L	03/16/11	0.2	ND		ND		ND		ND		ND
	ug/L	09/21/11	0.2	ND		--		ND		ND		ND
Nickel	ug/L	03/24/09	50	0.7	J	ND		1.1	J	1.0	J	ND
NC 2L = 100 ug/L	ug/L	09/22/09	50	ND		ND		ND		1.88	J	ND
	ug/L	03/24/10	50	ND		ND		ND		ND		ND
	ug/L	09/22/10	50	ND		ND		ND		ND		ND
	ug/L	03/16/11	50	3.91	J	ND		ND		ND		ND
	ug/L	09/21/11	50	ND		--		ND		ND		ND

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TABLE 4

Summary of Detected Constituents in C&D Monitoring Wells
Henderson County Closed C&D Landfill, Permit No. 45-01
Henderson County, North Carolina

Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting	Upgradient Well MW-10	Downgradient Wells MW-11	MW-12	MW-13	Blanks
Selenium	ug/L	06/21/01	10	ND	ND	ND	ND	--
NC 2L = 20 ug/L	ug/L	04/24/02	10	ND	ND	ND	ND	--
	ug/L	10/01/02	10	ND	ND	ND	ND	--
	ug/L	04/10/03	10	ND	ND	ND	ND	--
	ug/L	10/20/03	10	ND	ND	ND	ND	--
	ug/L	03/24/04	10	ND	ND	ND	ND	--
	ug/L	10/27/04	10	ND	ND	ND	ND	--
	ug/L	05/25/05	10	ND	ND	ND	ND	--
	ug/L	10/05/05	10	ND	ND	ND	ND	--
	ug/L	04/25/06	10	ND	ND	ND	ND	--
	ug/L	10/05/06	10	ND	ND	ND	ND	ND
	ug/L	03/21/07	10	ND	ND	ND	10.2 J	ND
	ug/L	10/02/07	10	ND	ND	ND	ND	ND
	ug/L	04/01/08	10	ND	ND	ND	19.2	ND
	ug/L	10/29/08	10	ND	ND	ND	ND	ND
	ug/L	03/24/09	10	ND	ND	ND	ND	ND
	ug/L	09/22/09	10	ND	ND	ND	ND	ND
	ug/L	03/24/10	10	ND	ND	ND	ND	ND
	ug/L	09/22/10	10	ND	ND	ND	ND	ND
	ug/L	03/16/11	10	ND	ND	ND	ND	3.32 J
	ug/L	09/21/11	10	ND	--	ND	ND	ND
Silver	ug/L	06/21/01	10	ND	ND	ND	ND	--
NC 2L = 20 ug/L	ug/L	04/24/02	10	ND	ND	ND	ND	--
	ug/L	10/01/02	10	ND	ND	ND	ND	--
	ug/L	04/10/03	10	ND	ND	ND	ND	--
	ug/L	10/20/03	10	ND	ND	ND	ND	--
	ug/L	03/24/04	10	ND	ND	ND	ND	--
	ug/L	10/27/04	10	ND	ND	ND	ND	--
	ug/L	05/25/05	10	ND	ND	ND	ND	--
	ug/L	10/05/05	10	ND	ND	ND	ND	--
	ug/L	04/25/06	10	ND	ND	ND	ND	--
	ug/L	10/05/06	10	ND	ND	ND	ND	ND
	ug/L	03/21/07	10	3.49 J	3.41 J	3.04 J	2.96 J	ND
	ug/L	10/02/07	10	ND	ND	ND	ND	ND
	ug/L	04/01/08	10	4.12 J	4.48 J	4.07 J	3.65 J	ND
	ug/L	10/29/08	10	1.57 B	1.80 B	1.40 B	1.52 B	--
	ug/L	03/24/09	10	ND	1.2 J	ND	ND	ND
	ug/L	09/22/09	10	ND	ND	ND	ND	ND
	ug/L	03/24/10	10	ND	ND	ND	ND	ND
	ug/L	09/22/10	10	ND	ND	ND	ND	ND
	ug/L	03/16/11	10	ND	ND	ND	ND	ND
	ug/L	09/21/11	10	ND	--	ND	ND	ND
Thallium	ug/L	03/24/09	5.5	ND	ND	0.061 B	ND	0.092 J
NC 2L = 0.28 ug/L	ug/L	09/22/09	5.5	ND	ND	ND	ND	ND
	ug/L	03/24/10	5.5	ND	ND	ND	ND	ND
	ug/L	09/22/10	5.5	ND	ND	ND	ND	ND
	ug/L	03/16/11	5.5	ND	ND	ND	ND	ND
	ug/L	09/21/11	5.5	ND	--	ND	ND	ND
Tin	ug/L	09/21/11	100	ND	--	4.60 J	3.17 J	ND
SWS GPS = 2000 ug/L								
Vanadium	ug/L	03/24/09	25	4.9 J	1.0 J	6.5 J	3.3 J	ND
SWS GPS = 0.3 ug/L	ug/L	09/22/09	25	2.01 J	ND	6.20 J	2.01 J	ND
	ug/L	03/24/10	25	ND	2.62 J	1.57 J	ND	ND
	ug/L	09/22/10	25	7.06 J	ND	ND	1.64 J	ND
	ug/L	03/16/11	25	19.5 J	1.76 J	3.03 J	ND	ND
	ug/L	09/21/11	25	ND	--	2.32 J	ND	ND
Zinc	ug/L	03/24/09	10	8.0 B	9.0 B	17.9	7.2 B	3.4
NC 2L = 1000 ug/L	ug/L	09/22/09	10	ND	32.4	17.3	12.0	ND
	ug/L	03/24/10	10	13.2	20.0	21.5	12.2	ND
	ug/L	09/22/10	10	14.8	7.45 J	6.78 J	10.5	ND
	ug/L	03/16/11	10	43.2	4.05 J	12.5	26.0	ND
	ug/L	09/21/11	10	ND	--	12.0	12.5	ND
Iron	ug/L	03/24/09	300	2750	1400	4810	1670	ND
NC 2L = 300 ug/L	ug/L	09/22/09	300	684	1390	4450	735	ND
	ug/L	03/24/10	300	151 J	2050	830	564	27.6
	ug/L	09/22/10	300	4690	630	841	658	ND
	ug/L	03/16/11	300	14200	1770	1600	462	ND
	ug/L	09/21/11	300	153 J	--	269 J	457	ND
Manganese	ug/L	03/24/09	50	60.9	165	155	59.1	ND
NC 2L = 50 ug/L	ug/L	09/22/09	50	18.1 J	186	163	34.9 J	1.99
	ug/L	03/24/10	50	4.51 B	1780	142	111	2.13
	ug/L	09/22/10	50	121	923	743	58.4	3.27 J
	ug/L	03/16/11	50	356	349	389	116	3.57 J
	ug/L	09/21/11	50	8.27 J	--	239	66.2	ND
Acetone	ug/L	03/24/09	100	ND	ND	3.8 J	ND	ND
NC 2L = 6000 ug/L	ug/L	09/22/09	100	ND	ND	ND	ND	ND
	ug/L	03/24/10	100	ND	19 J	13 J	ND	ND
	ug/L	09/22/10	100	ND	4.5 J	2.7 J	ND	ND
	ug/L	03/16/11	100	ND	92 J	17 J	ND	ND
	ug/L	09/21/11	100	ND	--	18 J	ND	ND

Golder Associates

TABLE 4

Summary of Detected Constituents in C&D Monitoring Wells
Henderson County Closed C&D Landfill, Permit No. 45-01
Henderson County, North Carolina

Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting	Upgradient Well MW-10	Downgradient Wells MW-11	MW-12	MW-13	Blanks
Benzene	ug/L	06/21/01	1	ND	ND	ND	ND	--
NC 2L = 1 ug/L	ug/L	04/24/02	1	ND	ND	ND	ND	--
	ug/L	10/01/02	1	ND	ND	ND	ND	--
	ug/L	04/10/03	1	ND	ND	ND	ND	--
	ug/L	10/20/03	1	ND	ND	ND	ND	--
	ug/L	03/24/04	1	ND	ND	ND	ND	--
	ug/L	10/27/04	1	ND	ND	ND	ND	--
	ug/L	05/25/05	1	ND	ND	ND	ND	--
	ug/L	10/05/05	1	ND	ND	ND	ND	--
	ug/L	04/25/06	1	ND	ND	ND	ND	--
	ug/L	10/05/06	1	ND	ND	ND	ND	ND
	ug/L	03/21/07	1	ND	ND	ND	ND	ND
	ug/L	10/02/07	1	ND	ND	0.15 J	ND	ND
	ug/L	04/01/08	1	ND	ND	0.28 J	ND	ND
	ug/L	10/29/08	1	ND	ND	0.28 J	ND	ND
	ug/L	03/24/09	1	ND	ND	ND	ND	ND
	ug/L	09/22/09	1	ND	0.50 J	ND	ND	ND
	ug/L	03/24/10	1	ND	ND	ND	ND	ND
	ug/L	09/22/10	1	ND	ND	ND	ND	ND
	ug/L	03/16/11	1	ND	ND	ND	ND	ND
	ug/L	09/21/11	1	ND	--	ND	ND	ND
Chloroethane	ug/L	06/21/01	10	ND	ND	ND	ND	--
SWS GPS = 3000 ug/L	ug/L	04/24/02	10	ND	ND	ND	ND	--
	ug/L	10/01/02	10	ND	ND	ND	ND	--
	ug/L	04/10/03	10	ND	ND	ND	ND	--
	ug/L	10/20/03	10	ND	ND	ND	ND	--
	ug/L	03/24/04	10	ND	ND	ND	ND	--
	ug/L	10/27/04	10	ND	ND	ND	ND	--
	ug/L	05/25/05	10	ND	ND	ND	ND	--
	ug/L	10/05/05	10	ND	ND	ND	ND	--
	ug/L	04/25/06	10	ND	ND	ND	ND	--
	ug/L	10/05/06	10	ND	ND	ND	ND	ND
	ug/L	03/21/07	10	ND	ND	0.84 J	ND	ND
	ug/L	10/02/07	10	ND	ND	1.08 J	ND	ND
	ug/L	04/01/08	10	ND	ND	ND	ND	ND
	ug/L	10/29/08	10	ND	ND	1.60 J	ND	ND
	ug/L	03/24/09	10	ND	ND	ND	ND	ND
	ug/L	09/22/09	10	ND	ND	ND	ND	ND
	ug/L	03/24/10	10	ND	ND	ND	ND	ND
	ug/L	09/22/10	10	ND	ND	0.95 J	ND	ND
	ug/L	03/16/11	10	ND	ND	ND	ND	ND
	ug/L	09/21/11	10	ND	--	ND	ND	ND
1,4-Dichlorobenzene	ug/L	06/21/01	1	ND	ND	ND	ND	--
NC 2L = 6 ug/L	ug/L	04/24/02	1	ND	ND	ND	ND	--
	ug/L	10/01/02	1	ND	ND	ND	ND	--
	ug/L	04/10/03	1	ND	ND	ND	ND	--
	ug/L	10/20/03	1	ND	ND	ND	ND	--
	ug/L	03/24/04	1	ND	ND	ND	ND	--
	ug/L	10/27/04	1	ND	ND	ND	ND	--
	ug/L	05/25/05	1	ND	ND	ND	ND	--
	ug/L	10/05/05	1	ND	ND	ND	ND	--
	ug/L	04/25/06	1	ND	ND	ND	ND	--
	ug/L	10/05/06	1	ND	ND	ND	ND	ND
	ug/L	03/21/07	1	ND	ND	0.21 J	ND	ND
	ug/L	10/02/07	1	ND	ND	0.23 J	0.23 J	ND
	ug/L	04/01/08	1	ND	ND	0.26 J	ND	ND
	ug/L	10/29/08	1	ND	ND	0.23 J	ND	ND
	ug/L	03/24/09	1	ND	ND	ND	ND	ND
	ug/L	09/22/09	1	ND	ND	ND	ND	ND
	ug/L	03/24/10	1	ND	0.46 J	ND	0.45 J	ND
	ug/L	09/22/10	1	ND	ND	ND	0.57 J	ND
	ug/L	03/16/11	1	ND	ND	ND	ND	ND
	ug/L	09/21/11	1	ND	--	ND	ND	ND

TABLE 4

Summary of Detected Constituents in C&D Monitoring Wells
Henderson County Closed C&D Landfill, Permit No. 45-01
Henderson County, North Carolina

Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting	Upgradient Well MW-10	Downgradient Wells MW-11	MW-12	MW-13	Blanks
1,1-Dichloroethane	ug/L	06/21/01	5	ND	ND	ND	ND	--
NC 2L = 6 ug/L	ug/L	04/24/02	5	ND	ND	ND	ND	--
	ug/L	10/01/02	5	ND	ND	ND	ND	--
	ug/L	04/10/03	5	ND	ND	ND	ND	--
	ug/L	10/20/03	5	ND	ND	ND	ND	--
	ug/L	03/24/04	5	ND	ND	ND	ND	--
	ug/L	10/27/04	5	ND	ND	ND	ND	--
	ug/L	05/25/05	5	ND	ND	ND	ND	--
	ug/L	10/05/05	5	ND	ND	ND	ND	--
	ug/L	04/25/06	5	ND	ND	ND	ND	--
	ug/L	10/05/06	5	ND	ND	ND	ND	ND
	ug/L	03/21/07	5	ND	ND	0.71 J	ND	ND
	ug/L	10/02/07	5	ND	ND	0.79 J	0.09 J	ND
	ug/L	04/01/08	5	ND	ND	0.99 J	0.12 J	ND
	ug/L	10/29/08	5	ND	ND	1.01 J	0.15 J	ND
	ug/L	03/24/09	5	ND	ND	0.82 J	ND	ND
	ug/L	09/22/09	5	ND	ND	0.70 J	ND	ND
	ug/L	03/24/10	5	ND	ND	0.47 J	ND	ND
	ug/L	09/22/10	5	ND	ND	ND	ND	ND
	ug/L	03/16/11	5	ND	ND	0.40 J	ND	ND
	ug/L	09/21/11	5	ND	--	0.51 J	ND	ND
1,1-Dichloroethene	ug/L	03/24/09	5	ND	ND	ND	ND	ND
NC 2L = 7 ug/L	ug/L	09/22/09	5	ND	ND	ND	ND	ND
	ug/L	03/24/10	5	ND	ND	ND	ND	ND
	ug/L	09/22/10	5	ND	ND	ND	ND	ND
	ug/L	03/16/11	5	ND	ND	3.3 J	ND	ND
	ug/L	09/21/11	5	ND	--	ND	ND	ND
cis-1,2-Dichloroethene	ug/L	06/21/01	5	ND	ND	ND	ND	--
NC 2L = 70 ug/L	ug/L	04/24/02	5	ND	ND	ND	ND	--
	ug/L	10/01/02	5	ND	ND	ND	ND	--
	ug/L	04/10/03	5	ND	6	ND	ND	--
	ug/L	10/20/03	5	ND	ND	ND	ND	--
	ug/L	03/24/04	5	ND	ND	ND	ND	--
	ug/L	10/27/04	5	ND	ND	ND	ND	--
	ug/L	05/25/05	5	ND	ND	ND	ND	--
	ug/L	10/05/05	5	ND	ND	ND	ND	--
	ug/L	04/25/06	5	ND	ND	ND	ND	--
	ug/L	10/05/06	5	ND	ND	ND	ND	ND
	ug/L	03/21/07	5	ND	ND	0.20 J	ND	ND
	ug/L	10/02/07	5	ND	ND	0.27 J	0.21 J	ND
	ug/L	04/01/08	5	ND	ND	0.39 J	0.30 J	ND
	ug/L	10/29/08	5	ND	0.11 J	0.44 J	0.35 J	ND
	ug/L	03/24/09	5	ND	ND	ND	ND	ND
	ug/L	09/22/09	5	ND	5.7	ND	ND	ND
	ug/L	03/24/10	5	ND	5.3	ND	0.84 J	ND
	ug/L	09/22/10	5	ND	ND	ND	0.78 J	ND
	ug/L	03/16/11	5	ND	ND	0.76 J	1.3 J	ND
	ug/L	09/21/11	5	ND	--	ND	1.1 J	ND
Chloromethane	ug/L	03/24/09	1	ND	ND	ND	ND	ND
SWS GPS = 3 ug/L	ug/L	09/22/09	1	ND	ND	ND	ND	ND
	ug/L	03/24/10	1	ND	ND	ND	ND	ND
	ug/L	09/22/10	1	0.51 J	0.47 J	1.1	ND	ND
	ug/L	03/16/11	1	ND	ND	ND	ND	ND
	ug/L	09/21/11	1	ND	--	ND	ND	ND
Methylene chloride	ug/L	06/21/01	1	ND	ND	ND	ND	--
NC 2L = 5 ug/L	ug/L	04/24/02	1	ND	ND	ND	ND	--
	ug/L	10/01/02	1	ND	ND	ND	ND	--
	ug/L	04/10/03	1	ND	ND	ND	ND	--
	ug/L	10/20/03	1	ND	ND	ND	ND	--
	ug/L	03/24/04	1	ND	ND	ND	ND	--
	ug/L	10/27/04	1	ND	ND	ND	ND	--
	ug/L	05/25/05	1	ND	ND	ND	ND	--
	ug/L	10/05/05	1	ND	ND	ND	ND	--
	ug/L	04/25/06	1	ND	ND	ND	ND	--
	ug/L	10/05/06	1	ND	ND	ND	ND	ND
	ug/L	03/21/07	1	0.20 B	ND	2.08 B	0.38 B	0.39
	ug/L	10/02/07	1	ND	ND	1.42 B	ND	0.61
	ug/L	04/01/08	1	ND	0.52 B	2.83 J	0.48 B	0.54
	ug/L	10/29/08	1	ND	ND	2.58	0.52 J	ND
	ug/L	03/24/09	1	ND	ND	0.53 J	ND	ND
	ug/L	09/22/09	1	ND	ND	1.2	ND	ND
	ug/L	03/24/10	1	ND	ND	0.92 J	ND	ND
	ug/L	09/22/10	1	ND	ND	0.70 J	ND	ND
	ug/L	03/16/11	1	ND	ND	1.6	0.52 J	ND
	ug/L	09/21/11	1	ND	--	1.0	ND	ND
2-Butanone	ug/L	03/24/09	100	ND	ND	ND	ND	ND
NC 2L = 4000 ug/L	ug/L	09/22/09	100	ND	ND	ND	ND	ND
	ug/L	03/24/10	100	ND	ND	ND	ND	ND
	ug/L	09/22/10	100	ND	ND	ND	ND	ND
	ug/L	03/16/11	100	ND	1.6 J	ND	ND	ND
	ug/L	09/21/11	100	ND	--	ND	ND	ND

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Summary of Detected Constituents in C&D Monitoring Wells
Henderson County Closed C&D Landfill, Permit No. 45-01
Henderson County, North Carolina

Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting	Upgradient Well MW-10	Downgradient Wells MW-11	MW-12	MW-13	Blanks
Naphthalene	ug/L	09/21/11	10	ND	--	5.6 J	ND	ND
NC 2L = 6 ug/L	ug/L							
Tetrachloroethene	ug/L	06/21/01	1	ND	ND	ND	ND	--
NC 2L = 0.7 ug/L	ug/L	04/24/02	1	ND	ND	ND	ND	--
	ug/L	10/01/02	1	ND	ND	ND	ND	--
	ug/L	04/10/03	1	ND	ND	ND	ND	--
	ug/L	10/20/03	1	ND	ND	ND	ND	--
	ug/L	03/24/04	1	ND	ND	ND	ND	--
	ug/L	10/27/04	1	ND	ND	ND	ND	--
	ug/L	05/25/05	1	ND	ND	ND	ND	--
	ug/L	10/05/05	1	ND	ND	ND	ND	--
	ug/L	04/25/06	1	ND	ND	ND	ND	--
	ug/L	10/05/06	1	ND	ND	ND	ND	ND
	ug/L	03/21/07	1	ND	ND	0.76 J	ND	ND
	ug/L	10/02/07	1	ND	ND	1.05 J	0.27 J	ND
	ug/L	04/01/08	1	ND	0.12 J	1.22 J	0.32 J	ND
	ug/L	10/29/08	1	ND	0.36 J	1.21	0.33 J	ND
	ug/L	03/24/09	1	ND	0.49 J	1.3	ND	ND
	ug/L	09/22/09	1	ND	2.9	1.1	ND	ND
	ug/L	03/24/10	1	ND	3.4	1.6	0.56 J	ND
	ug/L	09/22/10	1	ND	ND	1.7	ND	ND
	ug/L	03/16/11	1	ND	ND	1.4	ND	ND
	ug/L	09/21/11	1	ND	--	ND	0.75 J	ND
Toluene	ug/L	06/21/01	1	ND	ND	ND	ND	--
NC 2L = 600 ug/L	ug/L	04/24/02	1	ND	ND	ND	ND	--
	ug/L	10/01/02	1	ND	ND	ND	ND	--
	ug/L	04/10/03	1	ND	ND	ND	ND	--
	ug/L	10/20/03	1	ND	ND	ND	ND	--
	ug/L	03/24/04	1	ND	ND	ND	ND	--
	ug/L	10/27/04	1	ND	ND	ND	ND	--
	ug/L	05/25/05	1	ND	ND	ND	ND	--
	ug/L	10/05/05	1	ND	ND	ND	ND	--
	ug/L	04/25/06	1	ND	ND	ND	ND	--
	ug/L	10/05/06	1	ND	ND	ND	ND	ND
	ug/L	03/21/07	1	ND	ND	ND	ND	ND
	ug/L	10/02/07	1	ND	ND	ND	ND	ND
	ug/L	04/01/08	1	ND	ND	ND	0.19 J	ND
	ug/L	10/29/08	1	ND	ND	ND	ND	ND
	ug/L	03/24/09	1	ND	ND	ND	ND	ND
	ug/L	09/22/09	1	ND	ND	ND	ND	ND
	ug/L	03/24/10	1	ND	ND	ND	ND	ND
	ug/L	09/22/10	1	ND	ND	ND	ND	ND
	ug/L	03/16/11	1	ND	ND	ND	ND	ND
	ug/L	09/21/11	1	ND	--	ND	ND	ND
1,1,1-Trichloroethane	ug/L	06/21/01	1	ND	ND	ND	ND	--
NC 2L = 200 ug/L	ug/L	04/24/02	1	ND	ND	ND	ND	--
	ug/L	10/01/02	1	ND	ND	ND	ND	--
	ug/L	04/10/03	1	ND	ND	ND	ND	--
	ug/L	10/20/03	1	ND	ND	ND	ND	--
	ug/L	03/24/04	1	ND	ND	ND	ND	--
	ug/L	10/27/04	1	ND	ND	ND	ND	--
	ug/L	05/25/05	1	ND	ND	ND	ND	--
	ug/L	10/05/05	1	ND	ND	ND	ND	--
	ug/L	04/25/06	1	ND	ND	ND	ND	--
	ug/L	10/05/06	1	ND	ND	ND	ND	ND
	ug/L	03/21/07	1	ND	ND	0.24 J	ND	ND
	ug/L	10/02/07	1	ND	ND	0.21 J	ND	ND
	ug/L	04/01/08	1	ND	ND	0.17 J	ND	ND
	ug/L	10/29/08	1	ND	ND	0.15 J	ND	ND
	ug/L	03/24/09	1	ND	ND	ND	ND	ND
	ug/L	09/22/09	1	ND	ND	ND	ND	ND
	ug/L	03/24/10	1	ND	ND	ND	ND	ND
	ug/L	09/22/10	1	ND	ND	ND	ND	ND
	ug/L	03/16/11	1	ND	ND	ND	ND	ND
	ug/L	09/21/11	1	ND	--	ND	ND	ND

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Summary of Detected Constituents in C&D Monitoring Wells
Henderson County Closed C&D Landfill, Permit No. 45-01
Henderson County, North Carolina

Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting	Upgradient Well MW-10	Downgradient Wells MW-11	MW-12	MW-13	Blanks
Trichloroethene	ug/L	06/21/01	1	ND	ND	ND	ND	--
NC 2L = 3 ug/L	ug/L	04/24/02	1	ND	ND	ND	ND	--
	ug/L	10/01/02	1	ND	ND	ND	ND	--
	ug/L	04/10/03	1	ND	ND	ND	ND	--
	ug/L	10/20/03	1	ND	ND	ND	ND	--
	ug/L	03/24/04	1	ND	ND	ND	ND	--
	ug/L	10/27/04	1	ND	ND	ND	ND	--
	ug/L	05/25/05	1	ND	ND	ND	ND	--
	ug/L	10/05/05	1	ND	ND	ND	ND	--
	ug/L	04/25/06	1	ND	ND	ND	ND	--
	ug/L	10/05/06	1	ND	ND	ND	ND	ND
	ug/L	03/21/07	1	ND	ND	0.24 J	ND	ND
	ug/L	10/02/07	1	ND	ND	0.27 J	0.18 J	ND
	ug/L	04/01/08	1	ND	ND	0.51 J	0.19 J	ND
	ug/L	10/29/08	1	ND	ND	0.52 J	1.13	ND
	ug/L	03/24/09	1	ND	ND	0.44 J	ND	ND
	ug/L	09/22/09	1	ND	0.64 J	ND	ND	ND
	ug/L	03/24/10	1	ND	0.90 J	0.52 J	ND	ND
	ug/L	09/22/10	1	ND	ND	ND	ND	ND
	ug/L	03/16/11	1	ND	ND	ND	ND	ND
	ug/L	09/21/11	1	ND	--	0.82 J	ND	ND
Trichlorofluoromethane	ug/L	06/21/01	1	ND	ND	ND	ND	--
NC 2L = 2000 ug/L	ug/L	04/24/02	1	ND	ND	ND	ND	--
	ug/L	10/01/02	1	ND	ND	ND	ND	--
	ug/L	04/10/03	1	ND	ND	ND	ND	--
	ug/L	10/20/03	1	ND	ND	ND	ND	--
	ug/L	03/24/04	1	ND	ND	ND	ND	--
	ug/L	10/27/04	1	ND	ND	ND	ND	--
	ug/L	05/25/05	1	ND	ND	ND	ND	--
	ug/L	10/05/05	1	ND	ND	8.07	ND	--
	ug/L	04/25/06	1	ND	ND	ND	23.1	--
	ug/L	10/05/06	1	ND	ND	13.8	ND	ND
	ug/L	03/21/07	1	ND	ND	11.3	ND	ND
	ug/L	10/02/07	1	ND	ND	9.90	0.26 J	ND
	ug/L	04/01/08	1	ND	ND	8.03	3.88	ND
	ug/L	10/29/08	1	ND	ND	6.83	2.71	ND
	ug/L	03/24/09	1	ND	ND	4.3	1.5	ND
	ug/L	09/22/09	1	ND	ND	2.0	ND	ND
	ug/L	03/24/10	1	ND	ND	2.6	1.0	ND
	ug/L	09/22/10	1	ND	ND	2.0	0.87 J	ND
	ug/L	03/16/11	1	ND	ND	1.4	2.5	ND
	ug/L	09/21/11	1	ND	--	0.82 J	1.7	ND
Vinyl chloride	ug/L	06/21/01	1	ND	ND	ND	ND	--
NC 2L = 0.03 ug/L	ug/L	04/24/02	1	ND	ND	ND	ND	--
	ug/L	10/01/02	1	ND	ND	ND	ND	--
	ug/L	04/10/03	1	ND	ND	ND	ND	--
	ug/L	10/20/03	1	ND	ND	ND	ND	--
	ug/L	03/24/04	1	ND	ND	ND	ND	--
	ug/L	10/27/04	1	ND	ND	ND	ND	--
	ug/L	05/25/05	1	ND	ND	ND	ND	--
	ug/L	10/05/05	1	ND	ND	ND	ND	--
	ug/L	04/25/06	1	ND	ND	ND	ND	--
	ug/L	10/05/06	1	ND	ND	ND	ND	ND
	ug/L	03/21/07	1	ND	ND	ND	ND	ND
	ug/L	10/02/07	1	ND	ND	ND	ND	ND
	ug/L	04/01/08	1	ND	ND	ND	ND	ND
	ug/L	10/29/08	1	ND	ND	0.56 J	ND	ND
	ug/L	03/24/09	1	ND	ND	ND	ND	ND
	ug/L	09/22/09	1	ND	0.55 J	ND	ND	ND
	ug/L	03/24/10	1	ND	ND	ND	ND	ND
	ug/L	09/22/10	1	ND	ND	0.42 J	ND	ND
	ug/L	03/16/11	1	ND	ND	ND	0.64 J	ND
	ug/L	09/21/11	1	ND	--	ND	ND	ND

TABLE 4

Summary of Detected Constituents in C&D Monitoring Wells
Henderson County Closed C&D Landfill, Permit No. 45-01
Henderson County, North Carolina

Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting	Upgradient Well MW-10	Downgradient Wells MW-11	MW-12	MW-13	Blanks
Xylenes (Total)	ug/L	06/21/01	5	ND	ND	ND	ND	--
NC 2L = 500 ug/L	ug/L	04/24/02	5	ND	ND	ND	ND	--
	ug/L	10/01/02	5	ND	ND	ND	ND	--
	ug/L	04/10/03	5	ND	ND	ND	ND	--
	ug/L	10/20/03	5	ND	ND	ND	ND	--
	ug/L	03/24/04	5	ND	ND	ND	ND	--
	ug/L	10/27/04	5	ND	ND	ND	ND	--
	ug/L	05/25/05	5	ND	ND	ND	ND	--
	ug/L	10/05/05	5	ND	ND	ND	ND	--
	ug/L	04/25/06	5	ND	ND	ND	ND	--
	ug/L	10/05/06	5	ND	ND	ND	ND	ND
	ug/L	03/21/07	5	ND	ND	0.17 J	ND	ND
	ug/L	10/02/07	5	ND	ND	0.17 J	ND	ND
	ug/L	04/01/08	5	ND	ND	0.28 J	ND	ND
	ug/L	10/29/08	5	ND	ND	0.25 J	ND	ND
	ug/L	03/24/09	5	ND	ND	ND	ND	ND
	ug/L	09/22/09	5	ND	0.72 J	ND	ND	ND
	ug/L	03/24/10	5	ND	0.62 J	ND	ND	ND
	ug/L	09/22/10	5	ND	ND	ND	ND	ND
	ug/L	03/16/11	5	ND	ND	ND	ND	ND
	ug/L	09/21/11	5	ND	--	ND	ND	ND
Tetrahydrofuran	ug/L	03/16/11	--	ND	ND	74	7.6	ND
No Standard	ug/L	09/21/11	--	ND	--	39	8.2	ND
2,4-D	ug/L	09/21/11	2	ND	--	ND	1.3 J	ND
NC 2L = 70 ug/L								
Chloride	mg/L	03/24/09	--	ND	8.8	4.1 J	ND	ND
NC 2L = 250 mg/L*	mg/L	09/22/09	--	3.1 J	8.1	8.7	3.6 J	ND
	mg/L	03/24/10	--	ND	1.7 J	7.3	2.5 J	ND
	mg/L	09/22/10	--	3 J	4.7 J	4.8 J	5.1	ND
	mg/L	03/16/11	--	3 J	ND J	8.6	4.8 J	ND
	mg/L	09/21/11	--	2.6 B	--	17	4.4 B	1.5 J
Total Dissolved Solids	mg/L	03/24/09	--	86	310	190	140	ND
NC 2L = 1000 mg/L	mg/L	09/22/09	--	66	280	160	130	ND
	mg/L	03/24/10	--	22	110	170	140	ND
	mg/L	09/22/10	--	40	110	160	190	ND
	mg/L	03/16/11	--	46	ND	160	120	ND
	mg/L	09/21/11	--	16	--	200	140	ND
Sulfate as SO4	mg/L	03/24/09	250	1.5 J	150 J	18 J	3.0 J	ND
NC 2L = 250 mg/L	mg/L	09/22/09	250	1.7 J	100 J	17 J	3.9 J	ND
	mg/L	03/24/10	250	ND	5.3 J	16 J	2.1 J	ND
	mg/L	09/22/10	250	ND	4.8 J	5.4 J	4.9 J	ND
	mg/L	03/16/11	250	1.9 J	ND J	7.3 J	3.9 J	ND
	mg/L	09/21/11	250	1.7 B	--	14 J	4.2 B	1.7 J
Total Alkalinity	mg/L	03/24/09	--	17	18	80	65	ND
No Standard	mg/L	09/22/09	--	12 J	41	76	68	ND
	mg/L	03/24/10	--	9.6 J	57	76	75	ND
	mg/L	09/22/10	--	ND	46	86	100	ND
	mg/L	03/16/11	--	ND	ND	94	96	ND
	mg/L	09/21/11	--	ND	--	90	90	ND
pH (field)	S.U.	03/21/07	--	5.23	5.29	5.52	5.78	--
	S.U.	10/02/07	--	--	--	--	--	--
	S.U.	04/01/08	--	--	--	--	--	--
	S.U.	10/29/08	--	--	--	--	--	--
	S.U.	03/24/09	--	6.78	6.22	6.46	6.84	--
	S.U.	09/22/09	--	7.37	5.41	5.59	5.90	--
	S.U.	03/24/10	--	7.47	5.64	5.90	6.61	--
	S.U.	09/22/10	--	5.80	5.27	5.39	5.81	--
	S.U.	03/16/11	--	5.58	5.48	5.52	5.65	--
	S.U.	09/21/11	--	5.92	--	5.38	5.87	--
Conductivity (field)	µS/cm	03/21/07	--	35	73	135	87	--
	µS/cm	10/02/07	--	--	--	--	--	--
	µS/cm	04/01/08	--	--	--	--	--	--
	µS/cm	10/29/08	--	--	--	--	--	--
	µS/cm	03/24/09	--	50	450	150	230	--
	µS/cm	09/22/09	--	58	404	240	156	--
	µS/cm	03/24/10	--	42	170	249	191	--
	µS/cm	09/22/10	--	37	144	230	316	--
	µS/cm	03/16/11	--	46	138	256	220	--
	µS/cm	09/21/11	--	44	--	272	207	--
Temperature (field)	Celsius	03/21/07	--	14.10	15.50	13.50	13.10	--
	Celsius	10/02/07	--	--	--	--	--	--
	Celsius	04/01/08	--	--	--	--	--	--
	Celsius	10/29/08	--	--	--	--	--	--
	Celsius	03/24/09	--	16.00	14.70	14.10	15.80	--
	Celsius	09/22/09	--	15.68	15.92	14.99	14.90	--
	Celsius	03/24/10	--	13.36	14.12	13.13	12.31	--
	Celsius	09/22/10	--	15.22	15.42	14.36	14.61	--
	µS/cm	03/16/11	--	12.28	13.51	12.90	12.73	--
	µS/cm	09/21/11	--	13.97	--	15.20	14.38	--

TABLE 4

Summary of Detected Constituents in C&D Monitoring Wells
Henderson County Closed C&D Landfill, Permit No. 45-01
Henderson County, North Carolina

Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting	Upgradient Well	Downgradient Wells			Blanks
				MW-10	MW-11	MW-12	MW-13	
Turbidity (field)	NTU	03/24/09	--	76.2	13.8	149	108	--
	NTU	09/22/09	--	20.1	20.4	61.3	37.3	--
	NTU	03/24/10	--	6.36	16.6	51.1	19.7	--
	NTU	09/22/10	--	8.46	5.45	10.3	24.2	--
	NTU	03/16/11	--	21.6	12.1	36.1	17.6	--
	NTU	09/21/11	--	14.6	--	27.6	26.4	--

Notes:
ug/L = micrograms per liter
mg/L = milligrams per liter
NTU = Nephelometric Turbidity Units
mV = millivolts
S.U. = Standard Units
ND = Not detected at the stated reporting limit
NM = Not measured
J = estimated concentration
B = Blank-qualified result
-- = no data available
* = EPA Maximum Contaminant Level Secondary Standard
Blanks = field, trip and method blanks
Shaded = concentrations above the NC 2L Groundwater Standards or Solid Waste Section Groundwater Protection Standards (SWS GPS) have been shaded.
SWS Reporting Limit = NCPQL or lab-specific reporting limit prior to October 2007 and NCSWSL starting in October 2007
Historical data prior to March 2009 provided by Henderson County and CDM.

TABLE 5

Summary of Detected Constituents in Surface Water Monitoring Points
Henderson County Closed Landfill, Permit No. 45-01
Henderson County, North Carolina

Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	BR-1	BR-2	BR-3	SW-1	TSW-1	TSW-2	Blanks
Antimony	ug/L	12/05/94	6	ND	ND	ND	ND	--	--	--
No SW Standard	ug/L	02/14/95	6	ND	ND	--	ND	--	--	--
	ug/L	04/03/95	6	ND	ND	ND	ND	--	--	--
	ug/L	10/30/95	6	ND	ND	ND	ND	--	--	--
	ug/L	04/08/96	6	--	--	--	ND	--	--	--
	ug/L	10/24/96	6	ND	ND	ND	ND	--	--	--
	ug/L	04/15/97	6	ND	ND	ND	5	--	--	--
	ug/L	10/29/97	6	18	ND	ND	ND	--	--	--
	ug/L	05/14/98	6	ND	ND	ND	ND	--	--	--
	ug/L	11/11/98	6	ND	ND	ND	ND	--	--	--
	ug/L	06/04/99	6	ND	--	ND	ND	--	--	--
	ug/L	10/29/99	6	ND	--	ND	ND	--	--	--
	ug/L	04/20/00	6	ND	--	ND	ND	--	--	--
	ug/L	11/07/00	6	--	--	ND	ND	--	--	--
	ug/L	10/16/01	6	ND	--	ND	ND	--	--	--
	ug/L	04/24/02	6	ND	--	ND	ND	--	--	--
	ug/L	10/01/02	6	ND	--	ND	ND	--	--	--
	ug/L	04/09/03	6	ND	--	ND	ND	--	--	--
	ug/L	10/20/03	6	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	6	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	6	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	6	ND	ND	ND	ND	--	--	--
	ug/L	10/04/05	6	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	6	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	6	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	6	ND	ND	ND	ND	--	--	ND
	ug/L	10/02/07	6	ND	ND	ND	ND	--	--	ND
	ug/L	04/03/08	6	ND	ND	ND	ND	--	--	ND
	ug/L	10/29/08	6	ND	--	ND	ND	--	--	ND
	ug/L	03/24/09	6	ND	ND	ND	ND	--	--	ND
	ug/L	09/22/09	6	ND	ND	ND	ND	--	--	ND
	ug/L	03/22/10	6	ND	ND	0.521 J	ND	--	--	ND
	ug/L	09/23/10	6	ND	ND	ND	ND	--	--	ND
	ug/L	03/16/11	6	ND	ND	ND	ND	--	--	ND
	ug/L	09/21/11	6	ND	ND	ND	ND	--	--	ND
Arsenic	ug/L	12/05/94	10	ND	ND	ND	ND	--	--	--
SW Standard = 50 ug/L	ug/L	02/14/95	10	ND	ND	--	ND	--	--	--
	ug/L	04/03/95	10	ND	ND	ND	ND	--	--	--
	ug/L	10/30/95	10	ND	12	ND	ND	--	--	--
	ug/L	04/08/96	10	--	--	--	ND	--	--	--
	ug/L	10/24/96	10	ND	ND	ND	ND	--	--	--
	ug/L	04/15/97	10	ND	ND	ND	ND	--	--	--
	ug/L	10/29/97	10	19	ND	ND	ND	--	--	--
	ug/L	05/14/98	10	ND	ND	ND	ND	--	--	--
	ug/L	11/11/98	10	ND	ND	ND	ND	--	--	--
	ug/L	06/04/99	10	ND	--	ND	ND	--	--	--
	ug/L	10/29/99	10	ND	--	ND	ND	--	--	--
	ug/L	04/20/00	10	ND	--	ND	ND	--	--	--
	ug/L	11/07/00	10	--	--	ND	ND	--	--	--
	ug/L	10/16/01	10	ND	--	ND	ND	--	--	--
	ug/L	04/24/02	10	ND	--	ND	ND	--	--	--
	ug/L	10/01/02	10	ND	--	ND	ND	--	--	--
	ug/L	04/09/03	10	ND	--	ND	ND	--	--	--
	ug/L	10/20/03	10	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	10	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	10	ND	ND	11.7	ND	--	--	--
	ug/L	05/25/05	10	ND	ND	ND	ND	--	--	--
	ug/L	10/04/05	10	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	10	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	10	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	10	ND	ND	0.56 J	1.57 J	--	--	ND
	ug/L	10/02/07	10	ND	ND	ND	ND	--	--	ND
	ug/L	04/03/08	10	ND	ND	4.8 J	2.52 J	--	--	ND
	ug/L	10/29/08	10	2.5 J	--	4.65 J	4.14 J	--	--	ND
	ug/L	03/24/09	10	ND	ND	ND	ND	--	--	ND
	ug/L	09/22/09	10	4.69 B	2.94 B	3.11 B	ND	--	--	2.90 J
	ug/L	03/22/10	10	ND	ND	ND	ND	--	--	ND
	ug/L	09/23/10	10	ND	ND	ND	ND	--	--	ND
	ug/L	03/16/11	10	ND	ND	ND	ND	--	--	ND
	ug/L	09/21/11	10	ND	ND	4.96 J	ND	--	--	ND

TABLE 5

Summary of Detected Constituents in Surface Water Monitoring Points
Henderson County Closed Landfill, Permit No. 45-01
Henderson County, North Carolina

Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	BR-1	BR-2	BR-3	SW-1	TSW-1	TSW-2	Blanks
Barium	ug/L	12/05/94	100	ND	ND	ND	ND	--	--	--
No SW Standard	ug/L	02/14/95	100	131	ND	--	ND	--	--	--
	ug/L	04/03/95	100	ND	ND	ND	ND	--	--	--
	ug/L	10/30/95	100	ND	ND	ND	ND	--	--	--
	ug/L	04/08/96	100	--	--	--	ND	--	--	--
	ug/L	10/24/96	100	ND	ND	ND	ND	--	--	--
	ug/L	04/15/97	100	130	220	ND	ND	--	--	--
	ug/L	10/29/97	100	400	ND	ND	ND	--	--	--
	ug/L	05/14/98	100	ND	ND	ND	ND	--	--	--
	ug/L	11/11/98	100	ND	ND	ND	ND	--	--	--
	ug/L	06/04/99	100	ND	--	ND	ND	--	--	--
	ug/L	10/29/99	100	ND	--	ND	ND	--	--	--
	ug/L	04/20/00	100	ND	--	ND	ND	--	--	--
	ug/L	11/07/00	100	--	--	ND	ND	--	--	--
	ug/L	10/16/01	100	ND	--	111	ND	--	--	--
	ug/L	04/24/02	100	ND	--	ND	ND	--	--	--
	ug/L	10/01/02	100	ND	--	ND	ND	--	--	--
	ug/L	04/09/03	100	ND	--	ND	ND	--	--	--
	ug/L	10/20/03	100	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	100	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	100	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	100	ND	ND	ND	ND	--	--	--
	ug/L	10/04/05	100	ND	4310	ND	ND	--	--	--
	ug/L	04/25/06	100	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	100	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	100	22.7 J	193	342	36.3 J	--	--	ND
	ug/L	10/02/07	100	77.5 B	266	697	42.2 B	--	--	16.1 J
	ug/L	04/03/08	100	64.6 J	171	504	47.9 B	--	--	10.1 J
	ug/L	10/29/08	100	78.6 B	--	732 B	65.1 B	--	--	ND
	ug/L	03/24/09	100	73.2 J	273	575	42.1 J	--	--	ND
	ug/L	09/22/09	100	75.6 J	130	253	64.8 J	--	--	ND
	ug/L	03/22/10	100	62.7 J	144	83.3 J	58.1 J	--	--	1.54 J
	ug/L	09/23/10	100	45.6 J	163	361	26.1 J	--	--	ND
	ug/L	03/16/11	100	89.8 J	265	199	63.2 J	--	--	ND
	ug/L	09/21/11	100	65.3 J	200	253	52.5 J	--	--	ND
Beryllium	ug/L	12/05/94	1	ND	ND	ND	ND	--	--	--
SW Standard = 6.5 ug/L	ug/L	02/14/95	1	ND	ND	--	ND	--	--	--
	ug/L	04/03/95	1	ND	ND	ND	ND	--	--	--
	ug/L	10/30/95	1	ND	ND	ND	ND	--	--	--
	ug/L	04/08/96	1	--	--	--	ND	--	--	--
	ug/L	10/24/96	1	ND	ND	ND	ND	--	--	--
	ug/L	04/15/97	1	ND	ND	ND	ND	--	--	--
	ug/L	10/29/97	1	9	ND	ND	ND	--	--	--
	ug/L	05/14/98	1	ND	ND	ND	ND	--	--	--
	ug/L	11/11/98	1	ND	ND	ND	ND	--	--	--
	ug/L	06/04/99	1	ND	--	ND	ND	--	--	--
	ug/L	10/29/99	1	ND	--	ND	ND	--	--	--
	ug/L	04/20/00	1	ND	--	ND	ND	--	--	--
	ug/L	11/07/00	1	--	--	ND	ND	--	--	--
	ug/L	10/16/01	1	ND	--	ND	ND	--	--	--
	ug/L	04/24/02	1	ND	--	ND	ND	--	--	--
	ug/L	10/01/02	1	ND	--	ND	ND	--	--	--
	ug/L	04/09/03	1	ND	--	ND	ND	--	--	--
	ug/L	10/20/03	1	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	1	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	1	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	1	ND	ND	ND	ND	--	--	--
	ug/L	10/04/05	1	ND	4.07	ND	ND	--	--	--
	ug/L	04/25/06	1	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	1	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	1	ND	ND	ND	ND	--	--	ND
	ug/L	10/02/07	1	1.97 B	2.28 B	3.9 B	1.97 B	--	--	6.01
	ug/L	04/03/08	1	1.93	5.01	2.80	2.73	--	--	ND
	ug/L	10/29/08	1	6.46 B	--	10.2 B	7.9 B	--	--	ND
	ug/L	03/24/09	1	ND	ND	1.01	ND	--	--	ND
	ug/L	09/22/09	1	ND	ND	0.656 J	ND	--	--	ND
	ug/L	03/22/10	1	ND	ND	0.318 J	ND	--	--	ND
	ug/L	09/23/10	1	ND	ND	0.820 J	ND	--	--	ND
	ug/L	03/16/11	1	ND	ND	0.543 J	ND	--	--	ND
	ug/L	09/21/11	1	ND	ND	0.362 J	ND	--	--	ND

TABLE 5

Summary of Detected Constituents in Surface Water Monitoring Points
Henderson County Closed Landfill, Permit No. 45-01
Henderson County, North Carolina

Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	BR-1	BR-2	BR-3	SW-1	TSW-1	TSW-2	Blanks
Cadmium	ug/L	12/05/94	1	ND	ND	ND	ND	--	--	--
SW Standard = 2 ug/L (N)	ug/L	02/14/95	1	ND	ND	--	ND	--	--	--
	ug/L	04/03/95	1	ND	ND	ND	ND	--	--	--
	ug/L	10/30/95	1	ND	ND	ND	ND	--	--	--
	ug/L	04/08/96	1	--	--	--	ND	--	--	--
	ug/L	10/24/96	1	ND	ND	ND	ND	--	--	--
	ug/L	04/15/97	1	ND	ND	ND	ND	--	--	--
	ug/L	10/29/97	1	11	ND	ND	ND	--	--	--
	ug/L	05/14/98	1	ND	ND	ND	ND	--	--	--
	ug/L	11/11/98	1	ND	ND	ND	ND	--	--	--
	ug/L	06/04/99	1	ND	--	ND	ND	--	--	--
	ug/L	10/29/99	1	ND	--	ND	ND	--	--	--
	ug/L	04/20/00	1	1.5	--	1.7	1.2	--	--	--
	ug/L	11/07/00	1	--	--	ND	ND	--	--	--
	ug/L	10/16/01	1	ND	--	ND	ND	--	--	--
	ug/L	04/24/02	1	1.5	--	1.2	1.5	--	--	--
	ug/L	10/01/02	1	ND	--	ND	ND	--	--	--
	ug/L	04/09/03	1	ND	--	ND	ND	--	--	--
	ug/L	10/20/03	1	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	1	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	1	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	1	ND	ND	ND	ND	--	--	--
	ug/L	10/04/05	1	ND	111	ND	ND	--	--	--
	ug/L	04/25/06	1	ND	ND	1.15	1.03	--	--	--
	ug/L	10/04/06	1	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	1	1.42 J	2.71 J	1.36 J	0.51 J	--	--	ND
	ug/L	10/02/07	1	ND	ND	1.31	ND	--	--	ND
	ug/L	04/03/08	1	ND	ND	1.1	ND	--	--	ND
	ug/L	10/29/08	1	ND	--	1.83	ND	--	--	ND
	ug/L	03/24/09	1	ND	ND	1.12	ND	--	--	ND
	ug/L	09/22/09	1	ND	ND	0.716 J	ND	--	--	ND
	ug/L	03/22/10	1	ND	ND	ND	ND	--	--	ND
	ug/L	09/23/10	1	ND	ND	0.487 J	ND	--	--	ND
	ug/L	03/16/11	1	ND	ND	ND	ND	--	--	ND
	ug/L	09/21/11	1	ND	ND	ND	ND	--	--	ND
Chromium	ug/L	12/05/94	10	ND	ND	ND	ND	--	--	--
SW Standard = 50 ug/L	ug/L	02/14/95	10	ND	ND	--	ND	--	--	--
	ug/L	04/03/95	10	ND	ND	ND	ND	--	--	--
	ug/L	10/30/95	10	ND	ND	ND	ND	--	--	--
	ug/L	04/08/96	10	--	--	--	ND	--	--	--
	ug/L	10/24/96	10	ND	ND	ND	ND	--	--	--
	ug/L	04/15/97	10	ND	ND	ND	ND	--	--	--
	ug/L	10/29/97	10	10	1	ND	ND	--	--	--
	ug/L	05/14/98	10	ND	ND	ND	ND	--	--	--
	ug/L	11/11/98	10	ND	ND	ND	ND	--	--	--
	ug/L	06/04/99	10	ND	--	ND	ND	--	--	--
	ug/L	10/29/99	10	ND	--	ND	ND	--	--	--
	ug/L	04/20/00	10	ND	--	ND	ND	--	--	--
	ug/L	11/07/00	10	--	--	ND	ND	--	--	--
	ug/L	10/16/01	10	ND	--	ND	ND	--	--	--
	ug/L	04/24/02	10	ND	--	ND	ND	--	--	--
	ug/L	10/01/02	10	ND	--	ND	ND	--	--	--
	ug/L	04/09/03	10	ND	--	ND	ND	--	--	--
	ug/L	10/20/03	10	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	10	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	10	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	10	ND	ND	ND	ND	--	--	--
	ug/L	10/04/05	10	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	10	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	10	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	10	1.44 J	3.02 J	2.38 J	2.86 J	--	--	ND
	ug/L	10/02/07	10	5.39 B	5.08 B	4.58 B	4.07 B	--	--	3.67 J
	ug/L	04/03/08	10	5.05 B	4.06 B	4.06 B	3.31 B	--	--	2.94 J
	ug/L	10/29/08	10	6.96 B	--	6.34 B	6.10 B	--	--	ND
	ug/L	03/24/09	10	2.0 J	3.4 J	1.9 J	1.4 J	--	--	ND
	ug/L	09/22/09	10	ND	1.83 J	ND	ND	--	--	ND
	ug/L	03/22/10	10	ND	ND	ND	ND	--	--	ND
	ug/L	09/23/10	10	ND	ND	ND	ND	--	--	ND
	ug/L	03/16/11	10	2.21 J	3.97 J	2.42 J	1.64 J	--	--	ND
	ug/L	09/21/11	10	1.29 J	3.44 J	1.78 J	1.06 J	--	--	ND

TABLE 5

Summary of Detected Constituents in Surface Water Monitoring Points
Henderson County Closed Landfill, Permit No. 45-01
Henderson County, North Carolina

Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	BR-1	BR-2	BR-3	SW-1	TSW-1	TSW-2	Blanks
Cobalt	ug/L	12/05/94	10	ND	ND	ND	ND	--	--	--
No SW Standard	ug/L	02/14/95	10	11	ND	--	ND	--	--	--
	ug/L	04/03/95	10	ND	ND	ND	ND	--	--	--
	ug/L	10/30/95	10	ND	ND	ND	ND	--	--	--
	ug/L	04/08/96	10	--	--	--	ND	--	--	--
	ug/L	10/24/96	10	ND	ND	ND	ND	--	--	--
	ug/L	04/15/97	10	4	1	ND	ND	--	--	--
	ug/L	10/29/97	10	--	--	--	--	--	--	--
	ug/L	05/14/98	10	ND	ND	ND	ND	--	--	--
	ug/L	11/11/98	10	ND	ND	ND	ND	--	--	--
	ug/L	06/04/99	10	ND	--	ND	ND	--	--	--
	ug/L	10/29/99	10	ND	--	ND	ND	--	--	--
	ug/L	04/20/00	10	ND	--	ND	ND	--	--	--
	ug/L	11/07/00	10	--	--	ND	ND	--	--	--
	ug/L	10/16/01	10	ND	--	ND	ND	--	--	--
	ug/L	04/24/02	10	ND	--	10.7	ND	--	--	--
	ug/L	10/01/02	10	ND	--	10.7	ND	--	--	--
	ug/L	04/09/03	10	ND	--	ND	ND	--	--	--
	ug/L	10/20/03	10	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	10	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	10	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	10	ND	ND	ND	ND	--	--	--
	ug/L	10/04/05	10	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	10	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	10	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	10	2.52 J	3.56 J	4.76 J	ND	--	--	ND
	ug/L	10/02/07	10	ND	ND	ND	ND	--	--	ND
	ug/L	04/03/08	10	ND	5.32 J	3.66 J	ND	--	--	ND
	ug/L	10/29/08	10	7.54 J	--	7.90 J	ND	--	--	ND
	ug/L	03/24/09	10	3.9 J	4.8 J	4.8 J	1.0 J	--	--	ND
	ug/L	09/22/09	10	1.21 J	5.16 J	1.90 J	ND	--	--	ND
	ug/L	03/22/10	10	3.17 J	6.20 J	1.39 J	2.71 J	--	--	ND
	ug/L	09/23/10	10	2.38 J	5.61 J	3.38 J	ND	--	--	ND
	ug/L	03/16/11	10	1.94 J	5.87 J	1.82 J	1.85 J	--	--	ND
	ug/L	09/21/11	10	3.22 J	9.89 J	3.13 J	2.29 J	--	--	ND
Copper	ug/L	12/05/94	10	ND	ND	ND	ND	--	--	--
SW Standard = 7 ug/L (AL)	ug/L	02/14/95	10	ND	ND	--	ND	--	--	--
	ug/L	04/03/95	10	ND	ND	ND	ND	--	--	--
	ug/L	10/30/95	10	ND	ND	ND	ND	--	--	--
	ug/L	04/08/96	10	--	--	--	ND	--	--	--
	ug/L	10/24/96	10	ND	ND	ND	ND	--	--	--
	ug/L	04/15/97	10	ND	ND	ND	ND	--	--	--
	ug/L	10/29/97	10	ND	--	ND	ND	--	--	--
	ug/L	05/14/98	10	ND	ND	ND	ND	--	--	--
	ug/L	11/11/98	10	ND	ND	ND	ND	--	--	--
	ug/L	06/04/99	10	ND	--	ND	ND	--	--	--
	ug/L	10/29/99	10	ND	--	ND	ND	--	--	--
	ug/L	04/20/00	10	ND	--	ND	ND	--	--	--
	ug/L	11/07/00	10	--	--	ND	ND	--	--	--
	ug/L	10/16/01	10	ND	--	ND	ND	--	--	--
	ug/L	04/24/02	10	ND	--	ND	ND	--	--	--
	ug/L	10/01/02	10	ND	--	ND	ND	--	--	--
	ug/L	04/09/03	10	ND	--	ND	ND	--	--	--
	ug/L	10/20/03	10	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	10	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	10	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	10	ND	ND	ND	ND	--	--	--
	ug/L	10/04/05	10	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	10	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	10	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	10	4.32 J	4.93 J	3.97 J	4.23 J	--	--	ND
	ug/L	10/02/07	10	5.94 B	6.24 B	5.64 B	6.01 B	--	--	6.41 J
	ug/L	04/03/08	10	4.96 B	4.27 B	4.53 B	5.38 B	--	--	4.46 J
	ug/L	10/29/08	10	6.95 B	--	5.85 B	10.3 B	--	--	ND
	ug/L	03/24/09	10	ND	ND	ND	ND	--	--	ND
	ug/L	09/22/09	10	ND	ND	ND	ND	--	--	ND
	ug/L	03/22/10	10	ND	ND	ND	ND	--	--	ND
	ug/L	09/23/10	10	ND	ND	2.15 J	ND	--	--	ND
	ug/L	03/16/11	10	9.17 J	ND	4.73 J	2.13 J	--	--	ND
	ug/L	09/21/11	10	ND	3.90 J	2.35 J	ND	--	--	ND

TABLE 5

Summary of Detected Constituents in Surface Water Monitoring Points
Henderson County Closed Landfill, Permit No. 45-01
Henderson County, North Carolina

Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	BR-1	BR-2	BR-3	SW-1	TSW-1	TSW-2	Blanks
Lead	ug/L	12/05/94	10	ND	38	8	7	--	--	--
SW Standard = 25 ug/L (N)	ug/L	02/14/95	10	ND	5	--	7	--	--	--
	ug/L	04/03/95	10	ND	ND	ND	ND	--	--	--
	ug/L	10/30/95	10	ND	ND	ND	ND	--	--	--
	ug/L	04/08/96	10	--	--	--	ND	--	--	--
	ug/L	10/24/96	10	ND	110	ND	ND	--	--	--
	ug/L	04/15/97	10	ND	ND	ND	ND	--	--	--
	ug/L	10/29/97	10	28	ND	ND	ND	--	--	--
	ug/L	05/14/98	10	ND	ND	ND	ND	--	--	--
	ug/L	11/11/98	10	ND	ND	ND	ND	--	--	--
	ug/L	06/04/99	10	ND	--	ND	ND	--	--	--
	ug/L	10/29/99	10	ND	--	ND	ND	--	--	--
	ug/L	04/20/00	10	ND	--	ND	ND	--	--	--
	ug/L	11/07/00	10	--	--	ND	ND	--	--	--
	ug/L	10/16/01	10	ND	--	ND	ND	--	--	--
	ug/L	04/24/02	10	ND	--	ND	ND	--	--	--
	ug/L	10/01/02	10	ND	--	ND	ND	--	--	--
	ug/L	04/09/03	10	18.5	--	ND	ND	--	--	--
	ug/L	10/20/03	10	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	10	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	10	ND	ND	11.6	ND	--	--	--
	ug/L	05/25/05	10	ND	ND	ND	ND	--	--	--
	ug/L	10/04/05	10	ND	242	ND	ND	--	--	--
	ug/L	04/25/06	10	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	10	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	10	ND	1.56 J	ND	ND	--	--	ND
	ug/L	10/02/07	10	0.49 B	0.65 B	0.46 B	0.49 B	--	--	0.49 J
	ug/L	04/03/08	10	5.13 J	7.36 J	ND	ND	--	--	ND
	ug/L	10/29/08	10	6.36 B	--	7.18 B	10.1 B	--	--	ND
	ug/L	03/24/09	10	2.8 J	3.9 J	3.8 J	2.1 J	--	--	ND
	ug/L	09/22/09	10	ND	2.33 J	ND	ND	--	--	ND
	ug/L	03/22/10	10	ND	ND	ND	ND	--	--	ND
	ug/L	09/23/10	10	ND	ND	ND	ND	--	--	ND
	ug/L	03/16/11	10	4.31 J	2.33 J	3.29 J	ND	--	--	ND
	ug/L	09/21/11	10	ND	8.03 J	2.33 J	ND	--	--	ND
Nickel	ug/L	12/05/94	50	ND	ND	ND	ND	--	--	--
SW Standard = 88 ug/L (N)	ug/L	02/14/95	50	ND	ND	--	ND	--	--	--
	ug/L	04/03/95	50	ND	ND	ND	ND	--	--	--
	ug/L	10/30/95	50	ND	ND	ND	ND	--	--	--
	ug/L	04/08/96	50	--	--	--	ND	--	--	--
	ug/L	10/24/96	50	ND	ND	ND	ND	--	--	--
	ug/L	04/15/97	50	ND	ND	ND	ND	--	--	--
	ug/L	10/29/97	50	ND	--	ND	ND	--	--	--
	ug/L	05/14/98	50	ND	ND	ND	ND	--	--	--
	ug/L	11/11/98	50	ND	ND	ND	ND	--	--	--
	ug/L	06/04/99	50	ND	--	ND	ND	--	--	--
	ug/L	10/29/99	50	ND	--	ND	ND	--	--	--
	ug/L	04/20/00	50	ND	--	ND	ND	--	--	--
	ug/L	11/07/00	50	--	--	ND	ND	--	--	--
	ug/L	10/16/01	50	ND	--	ND	ND	--	--	--
	ug/L	04/24/02	50	ND	--	ND	ND	--	--	--
	ug/L	10/01/02	50	ND	--	ND	ND	--	--	--
	ug/L	04/09/03	50	ND	--	ND	ND	--	--	--
	ug/L	10/20/03	50	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	50	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	50	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	50	ND	ND	ND	ND	--	--	--
	ug/L	10/04/05	50	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	50	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	50	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	50	0.61 J	ND	5.04 J	ND	--	--	ND
	ug/L	10/02/07	50	2.25 B	3.79 B	7.68 J	1.67 B	--	--	0.8 J
	ug/L	04/03/08	50	ND	ND	ND	ND	--	--	ND
	ug/L	10/29/08	50	ND	--	8.09 J	ND	--	--	ND
	ug/L	03/24/09	50	2.0 J	2.5 J	4.2 J	1.0 J	--	--	ND
	ug/L	09/22/09	50	2.17 J	3.90 J	2.65 J	ND	--	--	ND
	ug/L	03/22/10	50	ND	3.21 J	ND	ND	--	--	ND
	ug/L	09/23/10	50	ND	2.24 J	ND	ND	--	--	ND
	ug/L	03/16/11	50	2.92 J	ND	2.04 J	ND	--	--	ND
	ug/L	09/21/11	50	ND	2.97 J	2.71 J	ND	--	--	ND

TABLE 5

Summary of Detected Constituents in Surface Water Monitoring Points
Henderson County Closed Landfill, Permit No. 45-01
Henderson County, North Carolina

Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	BR-1	BR-2	BR-3	SW-1	TSW-1	TSW-2	Blanks
Selenium	ug/L	12/05/94	10	ND	ND	ND	ND	--	--	--
SW Standard = 5 ug/L	ug/L	02/14/95	10	ND	ND	--	ND	--	--	--
	ug/L	04/03/95	10	ND	ND	ND	ND	--	--	--
	ug/L	10/30/95	10	ND	ND	ND	ND	--	--	--
	ug/L	04/08/96	10	--	--	--	ND	--	--	--
	ug/L	10/24/96	10	ND	ND	ND	ND	--	--	--
	ug/L	04/15/97	10	18	ND	ND	8	--	--	--
	ug/L	10/29/97	10	26	--	ND	ND	--	--	--
	ug/L	05/14/98	10	ND	ND	ND	ND	--	--	--
	ug/L	11/11/98	10	ND	ND	ND	ND	--	--	--
	ug/L	06/04/99	10	ND	--	ND	ND	--	--	--
	ug/L	10/29/99	10	ND	--	ND	ND	--	--	--
	ug/L	04/20/00	10	ND	--	ND	ND	--	--	--
	ug/L	11/07/00	10	--	--	ND	ND	--	--	--
	ug/L	10/16/01	10	ND	--	10	ND	--	--	--
	ug/L	04/24/02	10	ND	--	ND	ND	--	--	--
	ug/L	10/01/02	10	ND	--	ND	ND	--	--	--
	ug/L	04/09/03	10	ND	--	ND	ND	--	--	--
	ug/L	10/20/03	10	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	10	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	10	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	10	ND	ND	ND	ND	--	--	--
	ug/L	10/04/05	10	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	10	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	10	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	10	ND	ND	ND	ND	--	--	ND
	ug/L	10/02/07	10	10.4	8.22 J	ND	9.83 J	--	--	ND
	ug/L	04/03/08	10	ND	7.73 J	7.75 J	8.67 J	--	--	ND
	ug/L	10/29/08	10	ND	--	ND	ND	--	--	ND
	ug/L	03/24/09	10	ND	ND	ND	ND	--	--	ND
	ug/L	09/22/09	10	3.17 B	ND	ND	6.01 B	--	--	6.41 J
	ug/L	03/22/10	10	ND	2.75 J	ND	ND	--	--	ND
	ug/L	09/23/10	10	ND	ND	ND	ND	--	--	ND
	ug/L	03/16/11	10	ND	ND	ND	3.09 B	--	--	3.32 J
	ug/L	09/21/11	10	ND	ND	ND	ND	--	--	ND
Silver	ug/L	12/05/94	10	ND	ND	ND	ND	--	--	--
SW Standard = 0.06 ug/L (AL)	ug/L	02/14/95	10	ND	ND	--	ND	--	--	--
	ug/L	04/03/95	10	ND	ND	ND	ND	--	--	--
	ug/L	10/30/95	10	ND	ND	ND	ND	--	--	--
	ug/L	04/08/96	10	--	--	--	ND	--	--	--
	ug/L	10/24/96	10	ND	ND	ND	ND	--	--	--
	ug/L	04/15/97	10	ND	0.2	ND	0.3	--	--	--
	ug/L	10/29/97	10	2	--	ND	ND	--	--	--
	ug/L	05/14/98	10	ND	ND	ND	ND	--	--	--
	ug/L	11/11/98	10	ND	ND	ND	ND	--	--	--
	ug/L	06/04/99	10	ND	--	ND	ND	--	--	--
	ug/L	10/29/99	10	ND	--	ND	ND	--	--	--
	ug/L	04/20/00	10	ND	--	ND	ND	--	--	--
	ug/L	11/07/00	10	--	--	ND	ND	--	--	--
	ug/L	10/16/01	10	ND	--	ND	ND	--	--	--
	ug/L	04/24/02	10	ND	--	ND	ND	--	--	--
	ug/L	10/01/02	10	ND	--	ND	ND	--	--	--
	ug/L	04/09/03	10	ND	--	ND	ND	--	--	--
	ug/L	10/20/03	10	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	10	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	10	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	10	ND	ND	ND	ND	--	--	--
	ug/L	10/04/05	10	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	10	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	10	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	10	1.32 J	1.01 J	0.97 J	0.99 J	--	--	ND
	ug/L	10/02/07	10	ND	1.55 J	1.25 J	ND	--	--	ND
	ug/L	04/03/08	10	1.03 J	1.41 J	1.64 J	1.25 J	--	--	ND
	ug/L	10/29/08	10	6.03 B	--	5.77 B	5.32 B	--	--	ND
	ug/L	03/24/09	10	1.3 J	2.5 J	2.4 J	1.3 J	--	--	ND
	ug/L	09/22/09	10	ND	2.23 J	ND	ND	--	--	ND
	ug/L	03/22/10	10	ND	2.89 J	ND	ND	--	--	ND
	ug/L	09/23/10	10	ND	ND	ND	ND	--	--	ND
	ug/L	03/16/11	10	ND	2.81 J	ND	ND	--	--	ND
	ug/L	09/21/11	10	ND	ND	ND	ND	--	--	ND

TABLE 5

Summary of Detected Constituents in Surface Water Monitoring Points
Henderson County Closed Landfill, Permit No. 45-01
Henderson County, North Carolina

Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	BR-1	BR-2	BR-3	SW-1	TSW-1	TSW-2	Blanks
Thallium	ug/L	12/05/94	5.5	ND	ND	ND	ND	--	--	--
No SW Standard	ug/L	02/14/95	5.5	ND	ND	--	ND	--	--	--
	ug/L	04/03/95	5.5	ND	ND	ND	ND	--	--	--
	ug/L	10/30/95	5.5	ND	ND	ND	ND	--	--	--
	ug/L	04/08/96	5.5	--	--	--	ND	--	--	--
	ug/L	10/24/96	5.5	ND	ND	ND	ND	--	--	--
	ug/L	04/15/97	5.5	ND	ND	ND	ND	--	--	--
	ug/L	10/29/97	5.5	206	1	2	1	--	--	--
	ug/L	05/14/98	5.5	ND	ND	ND	ND	--	--	--
	ug/L	11/11/98	5.5	ND	ND	ND	ND	--	--	--
	ug/L	06/04/99	5.5	ND	--	ND	ND	--	--	--
	ug/L	10/29/99	5.5	ND	--	ND	ND	--	--	--
	ug/L	04/20/00	5.5	ND	--	ND	ND	--	--	--
	ug/L	11/07/00	5.5	--	--	ND	ND	--	--	--
	ug/L	10/16/01	5.5	ND	--	ND	ND	--	--	--
	ug/L	04/24/02	5.5	ND	--	ND	ND	--	--	--
	ug/L	10/01/02	5.5	ND	--	ND	ND	--	--	--
	ug/L	04/09/03	5.5	ND	--	ND	ND	--	--	--
	ug/L	10/20/03	5.5	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	5.5	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	5.5	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	5.5	ND	ND	ND	ND	--	--	--
	ug/L	10/04/05	5.5	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	5.5	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	5.5	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	5.5	ND	ND	ND	ND	--	--	ND
	ug/L	10/02/07	5.5	ND	ND	ND	ND	--	--	ND
	ug/L	04/03/08	5.5	ND	ND	ND	ND	--	--	ND
	ug/L	10/29/08	5.5	7.25	--	ND	ND	--	--	ND
	ug/L	03/24/09	5.5	ND	ND	ND	ND	--	--	0.092 J
	ug/L	09/22/09	5.5	ND	ND	ND	ND	--	--	ND
	ug/L	03/22/10	5.5	ND	ND	ND	ND	--	--	ND
	ug/L	09/23/10	5.5	ND	ND	ND	ND	--	--	ND
	ug/L	03/16/11	5.5	0.465 J	0.415 J	0.192 J	0.675 J	--	--	ND
	ug/L	09/21/11	5.5	ND	ND	ND	ND	--	--	ND
Vanadium	ug/L	12/05/94	25	ND	ND	ND	ND	--	--	--
No SW Standard	ug/L	02/14/95	25	ND	ND	--	ND	--	--	--
	ug/L	04/03/95	25	ND	ND	ND	ND	--	--	--
	ug/L	10/30/95	25	ND	ND	ND	ND	--	--	--
	ug/L	04/08/96	25	--	--	--	ND	--	--	--
	ug/L	10/24/96	25	ND	ND	ND	ND	--	--	--
	ug/L	04/15/97	25	ND	ND	ND	ND	--	--	--
	ug/L	10/29/97	25	ND	ND	ND	ND	--	--	--
	ug/L	05/14/98	25	ND	ND	ND	ND	--	--	--
	ug/L	11/11/98	25	ND	ND	ND	ND	--	--	--
	ug/L	06/04/99	25	ND	--	ND	ND	--	--	--
	ug/L	10/29/99	25	ND	--	ND	ND	--	--	--
	ug/L	04/20/00	25	ND	--	ND	ND	--	--	--
	ug/L	11/07/00	25	--	--	ND	ND	--	--	--
	ug/L	10/16/01	25	ND	--	ND	ND	--	--	--
	ug/L	04/24/02	25	ND	--	ND	ND	--	--	--
	ug/L	10/01/02	25	ND	--	ND	ND	--	--	--
	ug/L	04/09/03	25	ND	--	ND	ND	--	--	--
	ug/L	10/20/03	25	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	25	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	25	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	25	ND	ND	ND	ND	--	--	--
	ug/L	10/04/05	25	ND	60.5	ND	ND	--	--	--
	ug/L	04/25/06	25	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	25	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	25	ND	ND	ND	ND	--	--	ND
	ug/L	10/02/07	25	ND	ND	ND	ND	--	--	ND
	ug/L	04/03/08	25	ND	4.61 J	ND	ND	--	--	ND
	ug/L	10/29/08	25	ND	--	2.04 J	2.59 J	--	--	ND
	ug/L	03/24/09	25	ND	ND	ND	ND	--	--	ND
	ug/L	09/22/09	25	ND	ND	ND	ND	--	--	ND
	ug/L	03/22/10	25	ND	ND	ND	ND	--	--	ND
	ug/L	09/23/10	25	ND	ND	ND	ND	--	--	ND
	ug/L	03/16/11	25	4.70 J	ND	ND	ND	--	--	ND
	ug/L	09/21/11	25	ND	8.61 J	ND	ND	--	--	ND

TABLE 5

Summary of Detected Constituents in Surface Water Monitoring Points
Henderson County Closed Landfill, Permit No. 45-01
Henderson County, North Carolina

Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	BR-1	BR-2	BR-3	SW-1	TSW-1	TSW-2	Blanks
Zinc	ug/L	12/05/94	10	16	27	26	40	--	--	--
SW Standard = 50 ug/L (AL)	ug/L	02/14/95	10	30	300	--	71	--	--	--
	ug/L	04/03/95	10	10	ND	21	51	--	--	--
	ug/L	10/30/95	10	ND	11	31	ND	--	--	--
	ug/L	04/08/96	10	--	--	--	40	--	--	--
	ug/L	10/24/96	10	28	ND	16	13	--	--	--
	ug/L	04/15/97	10	20	20	40	30	--	--	--
	ug/L	10/29/97	10	20	ND	ND	ND	--	--	--
	ug/L	05/14/98	10	ND	ND	ND	ND	--	--	--
	ug/L	11/11/98	10	ND	ND	144	ND	--	--	--
	ug/L	06/04/99	10	ND	--	118	ND	--	--	--
	ug/L	10/29/99	10	ND	--	ND	ND	--	--	--
	ug/L	04/20/00	10	ND	--	394	ND	--	--	--
	ug/L	11/07/00	10	--	--	ND	ND	--	--	--
	ug/L	10/16/01	10	ND	--	26	ND	--	--	--
	ug/L	04/24/02	10	ND	--	132	ND	--	--	--
	ug/L	10/01/02	10	ND	--	ND	ND	--	--	--
	ug/L	04/09/03	10	82.7	--	ND	63	--	--	--
	ug/L	10/20/03	10	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	10	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	10	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	10	ND	ND	ND	ND	--	--	--
	ug/L	10/04/05	10	ND	487	ND	ND	--	--	--
	ug/L	04/25/06	10	ND	ND	107	ND	--	--	--
	ug/L	10/04/06	10	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	10	6.76 J	9.01 J	37	8.63 J	--	--	ND
	ug/L	10/02/07	10	5.22 J	15.3 J	24.4	24	--	--	ND
	ug/L	04/03/08	10	6.29 J	5.45 J	52.5	10.6	--	--	ND
	ug/L	10/29/08	10	9.19 J	--	37.6	29.4	--	--	ND
	ug/L	03/24/09	10	5.5 B	5.6 B	35.6	3.6 B	--	--	3.4 J
	ug/L	09/22/09	10	9.11 J	8.90 J	71.4	11.3	--	--	ND
	ug/L	03/22/10	10	11.4	6.16 J	24.9	9.02 J	--	--	ND
	ug/L	09/23/10	10	ND	4.03 J	46.1	18.8	--	--	ND
	ug/L	03/16/11	10	30.6	5.84 J	53.8	8.11 J	--	--	ND
	ug/L	09/21/11	10	6.85 J	22.1	69.0	ND	--	--	ND
Acetone	ug/L	12/05/94	100	ND	ND	ND	ND	--	--	--
SW Standard = 2000 ug/L	ug/L	02/14/95	100	ND	ND	ND	ND	--	--	--
	ug/L	04/03/95	100	ND	ND	ND	ND	--	--	--
	ug/L	10/30/95	100	ND	ND	ND	ND	--	--	--
	ug/L	04/08/96	100	--	ND	ND	ND	--	--	--
	ug/L	05/29/96	100	--	ND	ND	ND	--	--	--
	ug/L	06/06/96	100	--	ND	ND	ND	--	--	--
	ug/L	10/24/96	100	ND	ND	ND	ND	--	--	--
	ug/L	04/15/97	100	ND	ND	ND	ND	--	--	--
	ug/L	10/29/97	100	ND	ND	ND	ND	--	--	--
	ug/L	05/14/98	100	ND	ND	ND	ND	--	--	--
	ug/L	11/11/98	100	ND	ND	ND	ND	--	--	--
	ug/L	06/04/99	100	ND	ND	ND	ND	--	--	--
	ug/L	10/29/99	100	ND	ND	ND	ND	--	--	--
	ug/L	04/20/00	100	ND	ND	ND	ND	--	--	--
	ug/L	11/07/00	100	ND	ND	ND	ND	--	--	--
	ug/L	10/16/01	100	ND	--	ND	ND	--	--	--
	ug/L	04/24/02	100	ND	--	ND	ND	--	--	--
	ug/L	10/01/02	100	ND	--	ND	ND	--	--	--
	ug/L	04/09/03	100	ND	--	ND	ND	--	--	--
	ug/L	10/20/03	100	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	100	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	100	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	100	ND	ND	ND	ND	--	--	--
	ug/L	10/04/05	100	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	100	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	100	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	100	ND	ND	ND	ND	--	--	ND
	ug/L	10/02/07	100	3.51 B	1.73 B	ND	ND	--	--	5.5 J
	ug/L	04/03/08	100	ND	ND	ND	ND	--	--	ND
	ug/L	10/29/08	100	ND	--	ND	ND	--	--	ND
	ug/L	03/24/09	100	ND	ND	ND	ND	--	--	ND
	ug/L	09/22/09	100	ND	ND	ND	ND	--	--	ND
	ug/L	03/22/10	100	2.3 J	ND	ND	2.5 J	--	--	ND
	ug/L	06/03/10	100	--	--	--	--	11 J	3.6 J	ND
	ug/L	09/23/10	100	ND	ND	ND	ND	--	--	ND
	ug/L	03/16/11	100	ND	4.2 J	3.0 J	ND	13 J	ND	ND
	ug/L	09/21/11	100	ND	7.0 J	ND	ND	5.5 J	ND	ND

TABLE 5

Summary of Detected Constituents in Surface Water Monitoring Points
Henderson County Closed Landfill, Permit No. 45-01
Henderson County, North Carolina

Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	BR-1	BR-2	BR-3	SW-1	TSW-1	TSW-2	Blanks
Benzene	ug/L	12/05/94	1	ND	ND	ND	ND	--	--	--
No SW Standard	ug/L	02/14/95	1	ND	ND	ND	ND	--	--	--
	ug/L	04/03/95	1	ND	ND	ND	ND	--	--	--
	ug/L	10/30/95	1	ND	ND	ND	ND	--	--	--
	ug/L	04/08/96	1	--	ND	ND	ND	--	--	--
	ug/L	05/29/96	1	--	ND	ND	ND	--	--	--
	ug/L	06/06/96	1	--	ND	ND	ND	--	--	--
	ug/L	10/24/96	1	ND	ND	ND	ND	--	--	--
	ug/L	04/15/97	1	ND	ND	ND	ND	--	--	--
	ug/L	10/29/97	1	ND	ND	ND	ND	--	--	--
	ug/L	05/14/98	1	ND	ND	ND	ND	--	--	--
	ug/L	11/11/98	1	ND	ND	ND	ND	--	--	--
	ug/L	06/04/99	1	ND	ND	ND	ND	--	--	--
	ug/L	10/29/99	1	ND	ND	ND	ND	--	--	--
	ug/L	04/20/00	1	ND	ND	ND	ND	--	--	--
	ug/L	11/07/00	1	ND	ND	ND	ND	--	--	--
	ug/L	10/16/01	1	ND	--	ND	ND	--	--	--
	ug/L	04/24/02	1	ND	--	ND	ND	--	--	--
	ug/L	10/01/02	1	ND	--	ND	ND	--	--	--
	ug/L	04/09/03	1	ND	--	ND	ND	--	--	--
	ug/L	10/20/03	1	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	1	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	1	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	1	ND	ND	ND	ND	--	--	--
	ug/L	10/04/05	1	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	1	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	1	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	1	ND	0.86 J	ND	ND	--	--	ND
	ug/L	10/02/07	1	0.16 J	0.76 J	ND	ND	--	--	ND
	ug/L	04/03/08	1	ND	0.39 J	ND	ND	--	--	ND
	ug/L	10/29/08	1	0.12 J	--	ND	ND	--	--	ND
	ug/L	03/24/09	1	ND	ND	ND	ND	--	--	ND
	ug/L	09/22/09	1	ND	ND	ND	ND	--	--	ND
	ug/L	03/22/10	1	ND	ND	ND	ND	--	--	ND
	ug/L	06/03/10	1	--	--	--	--	ND	ND	ND
	ug/L	09/23/10	1	ND	ND	ND	ND	--	--	ND
	ug/L	03/16/11	1	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/21/11	1	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	12/05/94	3	ND	ND	ND	ND	--	--	--
SW Standard = 140 ug/L	ug/L	02/14/95	3	ND	ND	ND	ND	--	--	--
	ug/L	04/03/95	3	ND	ND	ND	ND	--	--	--
	ug/L	10/30/95	3	ND	ND	ND	ND	--	--	--
	ug/L	04/08/96	3	--	ND	ND	ND	--	--	--
	ug/L	05/29/96	3	--	ND	ND	ND	--	--	--
	ug/L	06/06/96	3	--	ND	ND	ND	--	--	--
	ug/L	10/24/96	3	ND	ND	ND	ND	--	--	--
	ug/L	04/15/97	3	ND	ND	ND	ND	--	--	--
	ug/L	10/29/97	3	ND	ND	ND	ND	--	--	--
	ug/L	05/14/98	3	ND	ND	ND	ND	--	--	--
	ug/L	11/11/98	3	ND	ND	ND	ND	--	--	--
	ug/L	06/04/99	3	ND	ND	ND	ND	--	--	--
	ug/L	10/29/99	3	ND	ND	ND	ND	--	--	--
	ug/L	04/20/00	3	ND	ND	ND	ND	--	--	--
	ug/L	11/07/00	3	ND	ND	ND	ND	--	--	--
	ug/L	10/16/01	3	ND	--	ND	ND	--	--	--
	ug/L	04/24/02	3	ND	--	ND	ND	--	--	--
	ug/L	10/01/02	3	ND	--	ND	ND	--	--	--
	ug/L	04/09/03	3	ND	--	ND	ND	--	--	--
	ug/L	10/20/03	3	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	3	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	3	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	3	ND	ND	ND	ND	--	--	--
	ug/L	10/04/05	3	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	3	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	3	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	3	ND	1.69	ND	ND	--	--	ND
	ug/L	10/02/07	3	0.86 J	2.2 J	ND	ND	--	--	ND
	ug/L	04/03/08	3	0.43 J	1.22 J	ND	ND	--	--	ND
	ug/L	10/29/08	3	0.86 J	--	ND	ND	--	--	ND
	ug/L	03/24/09	3	0.53 J	0.72 J	ND	ND	--	--	ND
	ug/L	09/22/09	3	ND	1.0 J	ND	ND	--	--	ND
	ug/L	03/22/10	3	ND	0.77 J	ND	ND	--	--	ND
	ug/L	06/03/10	3	--	--	--	--	ND	ND	ND
	ug/L	09/23/10	3	0.42 J	0.79 J	ND	ND	--	--	ND
	ug/L	03/16/11	3	ND	1.1 J	ND	ND	ND	ND	ND
	ug/L	09/21/11	3	ND	ND	ND	ND	ND	ND	ND

TABLE 5

Summary of Detected Constituents in Surface Water Monitoring Points
Henderson County Closed Landfill, Permit No. 45-01
Henderson County, North Carolina

Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	BR-1	BR-2	BR-3	SW-1	TSW-1	TSW-2	Blanks
Dibromochloromethane	ug/L	12/05/94	1	ND	ND	ND	ND	--	--	--
No SW Standard	ug/L	02/14/95	1	ND	ND	ND	ND	--	--	--
	ug/L	04/03/95	1	ND	ND	ND	ND	--	--	--
	ug/L	10/30/95	1	ND	ND	ND	ND	--	--	--
	ug/L	04/08/96	1	--	ND	ND	ND	--	--	--
	ug/L	05/29/96	1	--	ND	ND	ND	--	--	--
	ug/L	06/06/96	1	--	ND	ND	ND	--	--	--
	ug/L	10/24/96	1	ND	ND	ND	ND	--	--	--
	ug/L	04/15/97	1	ND	ND	ND	ND	--	--	--
	ug/L	10/29/97	1	ND	ND	ND	ND	--	--	--
	ug/L	05/14/98	1	ND	ND	ND	ND	--	--	--
	ug/L	11/11/98	1	ND	ND	ND	ND	--	--	--
	ug/L	06/04/99	1	ND	ND	ND	ND	--	--	--
	ug/L	10/29/99	1	ND	ND	ND	ND	--	--	--
	ug/L	04/20/00	1	ND	ND	ND	ND	--	--	--
	ug/L	11/07/00	1	ND	ND	ND	ND	--	--	--
	ug/L	10/16/01	1	ND	--	ND	ND	--	--	--
	ug/L	04/24/02	1	ND	--	ND	ND	--	--	--
	ug/L	10/01/02	1	ND	--	ND	ND	--	--	--
	ug/L	04/09/03	1	ND	--	ND	ND	--	--	--
	ug/L	10/20/03	1	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	1	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	1	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	1	ND	ND	ND	ND	--	--	--
	ug/L	10/04/05	1	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	1	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	1	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	1	ND	ND	ND	ND	--	--	ND
	ug/L	10/02/07	1	ND	ND	ND	ND	--	--	ND
	ug/L	04/03/08	1	ND	ND	ND	0.14 J	--	--	ND
	ug/L	10/29/08	1	ND	--	ND	ND	--	--	ND
	ug/L	03/24/09	3	ND	ND	ND	ND	--	--	ND
	ug/L	09/22/09	3	ND	ND	ND	ND	--	--	ND
	ug/L	03/22/10	3	ND	ND	ND	ND	--	--	ND
	ug/L	06/03/10	3	--	--	--	--	ND	ND	ND
	ug/L	09/23/10	3	ND	ND	ND	ND	--	--	ND
	ug/L	03/16/11	3	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/21/11	3	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ug/L	12/05/94	5	ND	ND	ND	ND	--	--	--
SW Standard = 470 ug/L	ug/L	02/14/95	5	ND	ND	ND	ND	--	--	--
	ug/L	04/03/95	5	ND	ND	ND	ND	--	--	--
	ug/L	10/30/95	5	ND	ND	ND	ND	--	--	--
	ug/L	04/08/96	5	--	ND	ND	ND	--	--	--
	ug/L	05/29/96	5	--	ND	ND	ND	--	--	--
	ug/L	06/06/96	5	--	ND	ND	ND	--	--	--
	ug/L	10/24/96	5	ND	ND	ND	ND	--	--	--
	ug/L	04/15/97	5	ND	ND	ND	ND	--	--	--
	ug/L	10/29/97	5	ND	ND	ND	ND	--	--	--
	ug/L	05/14/98	5	ND	ND	ND	ND	--	--	--
	ug/L	11/11/98	5	ND	ND	ND	ND	--	--	--
	ug/L	06/04/99	5	ND	ND	ND	ND	--	--	--
	ug/L	10/29/99	5	ND	ND	ND	ND	--	--	--
	ug/L	04/20/00	5	ND	ND	ND	ND	--	--	--
	ug/L	11/07/00	5	ND	ND	ND	ND	--	--	--
	ug/L	10/16/01	5	ND	--	ND	ND	--	--	--
	ug/L	04/24/02	5	ND	--	ND	ND	--	--	--
	ug/L	10/01/02	5	ND	--	ND	ND	--	--	--
	ug/L	04/09/03	5	ND	--	ND	ND	--	--	--
	ug/L	10/20/03	5	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	5	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	5	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	5	ND	ND	ND	ND	--	--	--
	ug/L	10/04/05	5	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	5	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	5	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	5	ND	ND	ND	ND	--	--	ND
	ug/L	10/02/07	5	0.27 J	0.23 J	ND	ND	--	--	ND
	ug/L	04/03/08	5	0.12 J	ND	ND	ND	--	--	ND
	ug/L	10/29/08	5	0.28 J	--	ND	ND	--	--	ND
	ug/L	03/24/09	5	ND	0.49 J	ND	ND	--	--	ND
	ug/L	09/22/09	5	ND	ND	ND	ND	--	--	ND
	ug/L	03/22/10	5	ND	ND	ND	ND	--	--	ND
	ug/L	06/03/10	5	--	--	--	--	ND	ND	ND
	ug/L	09/23/10	5	ND	ND	ND	ND	--	--	ND
	ug/L	03/16/11	5	ND	0.79 J	ND	ND	ND	ND	ND
	ug/L	09/21/11	5	ND	ND	ND	ND	ND	ND	ND

TABLE 5

Summary of Detected Constituents in Surface Water Monitoring Points
Henderson County Closed Landfill, Permit No. 45-01
Henderson County, North Carolina

Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	BR-1	BR-2	BR-3	SW-1	TSW-1	TSW-2	Blanks
1,4-Dichlorobenzene	ug/L	12/05/94	1	ND	ND	ND	--	--	--	--
SW Standard = 100 ug/L	ug/L	02/14/95	1	ND	ND	ND	--	--	--	--
	ug/L	04/03/95	1	ND	ND	ND	--	--	--	--
	ug/L	10/30/95	1	ND	ND	ND	ND	--	--	--
	ug/L	04/08/96	1	--	ND	ND	--	--	--	--
	ug/L	05/29/96	1	--	ND	ND	--	--	--	--
	ug/L	06/06/96	1	--	ND	ND	--	--	--	--
	ug/L	10/24/96	1	ND	ND	ND	ND	--	--	--
	ug/L	04/15/97	1	ND	ND	ND	ND	--	--	--
	ug/L	10/29/97	1	ND	ND	ND	ND	--	--	--
	ug/L	05/14/98	1	ND	ND	ND	ND	--	--	--
	ug/L	11/11/98	1	ND	ND	ND	ND	--	--	--
	ug/L	06/04/99	1	ND	ND	ND	ND	--	--	--
	ug/L	10/29/99	1	ND	ND	ND	ND	--	--	--
	ug/L	04/20/00	1	ND	ND	ND	ND	--	--	--
	ug/L	11/07/00	1	ND	ND	ND	ND	--	--	--
	ug/L	10/16/01	1	ND	--	ND	ND	--	--	--
	ug/L	04/24/02	1	ND	--	ND	ND	--	--	--
	ug/L	10/01/02	1	ND	--	ND	ND	--	--	--
	ug/L	04/09/03	1	ND	--	ND	ND	--	--	--
	ug/L	10/20/03	1	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	1	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	1	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	1	ND	ND	ND	ND	--	--	--
	ug/L	10/04/05	1	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	1	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	1	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	1	0.19 J	2.26	0.37 J	ND	--	--	ND
	ug/L	10/02/07	1	0.87 J	3.57	ND	ND	--	--	ND
	ug/L	04/03/08	1	0.39 J	1.55 J	ND	ND	--	--	ND
	ug/L	10/29/08	1	1.01 J	--	ND	ND	--	--	ND
	ug/L	03/24/09	1	0.59 J	2.4	ND	ND	--	--	ND
	ug/L	09/22/09	1	ND	1.6	ND	ND	--	--	ND
	ug/L	03/22/10	1	ND	1.4	ND	ND	--	--	ND
	ug/L	06/03/10	1	--	--	--	--	ND	ND	ND
	ug/L	09/23/10	1	ND	3.0	ND	ND	--	--	ND
	ug/L	03/16/11	1	ND	2.8	ND	ND	ND	ND	ND
	ug/L	09/21/11	1	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ug/L	12/05/94	5	ND	ND	ND	ND	--	--	--
SW Standard = 20,000 ug/L	ug/L	02/14/95	5	ND	ND	ND	ND	--	--	--
	ug/L	04/03/95	5	ND	ND	ND	ND	--	--	--
	ug/L	10/30/95	5	ND	ND	ND	ND	--	--	--
	ug/L	04/08/96	5	--	ND	ND	ND	--	--	--
	ug/L	05/29/96	5	--	ND	ND	ND	--	--	--
	ug/L	06/06/96	5	--	ND	ND	ND	--	--	--
	ug/L	10/24/96	5	ND	ND	ND	ND	--	--	--
	ug/L	04/15/97	5	ND	ND	ND	ND	--	--	--
	ug/L	10/29/97	5	ND	ND	ND	ND	--	--	--
	ug/L	05/14/98	5	ND	ND	ND	ND	--	--	--
	ug/L	11/11/98	5	ND	ND	ND	ND	--	--	--
	ug/L	06/04/99	5	ND	ND	ND	ND	--	--	--
	ug/L	10/29/99	5	ND	ND	ND	ND	--	--	--
	ug/L	04/20/00	5	ND	ND	ND	ND	--	--	--
	ug/L	11/07/00	5	ND	ND	ND	ND	--	--	--
	ug/L	10/16/01	5	ND	--	ND	ND	--	--	--
	ug/L	04/24/02	5	ND	--	ND	ND	--	--	--
	ug/L	10/01/02	5	ND	--	ND	ND	--	--	--
	ug/L	04/09/03	5	ND	--	ND	ND	--	--	--
	ug/L	10/20/03	5	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	5	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	5	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	5	ND	ND	ND	ND	--	--	--
	ug/L	10/04/05	5	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	5	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	5	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	5	ND	0.23 J	ND	ND	--	--	ND
	ug/L	10/02/07	5	0.21 J	0.41 J	ND	ND	--	--	ND
	ug/L	04/03/08	5	0.09 J	0.14 J	ND	ND	--	--	ND
	ug/L	10/29/08	5	0.18 J	--	ND	ND	--	--	ND
	ug/L	03/24/09	5	ND	ND	ND	ND	--	--	ND
	ug/L	09/22/09	5	ND	ND	ND	ND	--	--	ND
	ug/L	03/22/10	5	ND	ND	ND	ND	--	--	ND
	ug/L	06/03/10	5	--	--	--	--	ND	ND	ND
	ug/L	09/23/10	5	ND	ND	ND	ND	--	--	ND
	ug/L	03/16/11	5	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/21/11	5	ND	ND	ND	ND	ND	ND	ND

TABLE 5

Summary of Detected Constituents in Surface Water Monitoring Points
Henderson County Closed Landfill, Permit No. 45-01
Henderson County, North Carolina

Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	BR-1	BR-2	BR-3	SW-1	TSW-1	TSW-2	Blanks
cis-1,2-Dichloroethene	ug/L	12/05/94	5	ND	ND	ND	ND	--	--	--
No SW Standard	ug/L	02/14/95	5	ND	ND	ND	ND	--	--	--
	ug/L	04/03/95	5	ND	ND	ND	ND	--	--	--
	ug/L	10/30/95	5	ND	ND	ND	ND	--	--	--
	ug/L	04/08/96	5	--	ND	ND	ND	--	--	--
	ug/L	05/29/96	5	--	ND	ND	--	--	--	--
	ug/L	06/06/96	5	--	ND	ND	--	--	--	--
	ug/L	10/24/96	5	ND	ND	ND	ND	--	--	--
	ug/L	04/15/97	5	ND	ND	ND	ND	--	--	--
	ug/L	10/29/97	5	ND	ND	ND	ND	--	--	--
	ug/L	05/14/98	5	ND	ND	ND	ND	--	--	--
	ug/L	11/11/98	5	ND	ND	ND	ND	--	--	--
	ug/L	06/04/99	5	ND	ND	ND	ND	--	--	--
	ug/L	10/29/99	5	ND	ND	ND	ND	--	--	--
	ug/L	04/20/00	5	ND	ND	ND	ND	--	--	--
	ug/L	11/07/00	5	ND	ND	ND	ND	--	--	--
	ug/L	10/16/01	5	ND	--	ND	ND	--	--	--
	ug/L	04/24/02	5	ND	--	ND	ND	--	--	--
	ug/L	10/01/02	5	ND	--	ND	ND	--	--	--
	ug/L	04/09/03	5	ND	--	ND	ND	--	--	--
	ug/L	10/20/03	5	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	5	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	5	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	5	ND	ND	ND	ND	--	--	--
	ug/L	10/04/05	5	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	5	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	5	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	5	0.64 J	ND	ND	ND	--	--	ND
	ug/L	10/02/07	5	0.09 J	0.97 J	ND	ND	--	--	ND
	ug/L	04/03/08	5	ND	0.71 J	ND	ND	--	--	ND
	ug/L	10/29/08	5	ND	--	ND	ND	--	--	ND
	ug/L	03/24/09	5	ND	ND	ND	ND	--	--	ND
	ug/L	09/22/09	5	ND	ND	ND	ND	--	--	ND
	ug/L	03/22/10	5	ND	ND	ND	ND	--	--	ND
	ug/L	06/03/10	5	--	--	--	--	ND	ND	ND
	ug/L	09/23/10	5	ND	ND	ND	ND	--	--	ND
	ug/L	03/16/11	5	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/21/11	5	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ug/L	12/05/94	1	ND	ND	ND	ND	--	--	--
No SW Standard	ug/L	02/14/95	1	ND	ND	ND	ND	--	--	--
	ug/L	04/03/95	1	ND	ND	ND	ND	--	--	--
	ug/L	10/30/95	1	ND	ND	ND	ND	--	--	--
	ug/L	04/08/96	1	--	ND	ND	ND	--	--	--
	ug/L	05/29/96	1	--	ND	ND	--	--	--	--
	ug/L	06/06/96	1	--	ND	ND	--	--	--	--
	ug/L	10/24/96	1	ND	ND	ND	ND	--	--	--
	ug/L	04/15/97	1	ND	ND	ND	ND	--	--	--
	ug/L	10/29/97	1	ND	ND	ND	ND	--	--	--
	ug/L	05/14/98	1	ND	ND	ND	ND	--	--	--
	ug/L	11/11/98	1	ND	ND	ND	ND	--	--	--
	ug/L	06/04/99	1	ND	ND	ND	ND	--	--	--
	ug/L	10/29/99	1	ND	ND	ND	ND	--	--	--
	ug/L	04/20/00	1	ND	ND	ND	ND	--	--	--
	ug/L	11/07/00	1	ND	ND	ND	ND	--	--	--
	ug/L	10/16/01	1	ND	--	ND	ND	--	--	--
	ug/L	04/24/02	1	ND	--	ND	ND	--	--	--
	ug/L	10/01/02	1	ND	--	ND	ND	--	--	--
	ug/L	04/09/03	1	ND	--	ND	ND	--	--	--
	ug/L	10/20/03	1	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	1	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	1	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	1	ND	ND	ND	ND	--	--	--
	ug/L	10/04/05	1	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	1	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	1	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	1	ND	ND	ND	ND	--	--	ND
	ug/L	10/02/07	1	ND	ND	ND	ND	--	--	ND
	ug/L	04/03/08	1	ND	ND	ND	ND	--	--	ND
	ug/L	10/29/08	1	ND	--	ND	ND	--	--	ND
	ug/L	03/24/09	1	ND	ND	ND	ND	--	--	ND
	ug/L	09/22/09	1	ND	ND	ND	ND	--	--	ND
	ug/L	03/22/10	1	ND	ND	ND	ND	--	--	ND
	ug/L	06/03/10	1	--	--	--	--	ND	ND	ND
	ug/L	09/23/10	1	ND	0.43 J	ND	0.41 J	--	--	ND
	ug/L	03/16/11	1	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/21/11	1	ND	ND	ND	ND	ND	ND	ND

TABLE 5

Summary of Detected Constituents in Surface Water Monitoring Points
Henderson County Closed Landfill, Permit No. 45-01
Henderson County, North Carolina

Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	BR-1	BR-2	BR-3	SW-1	TSW-1	TSW-2	Blanks
Methylene chloride	ug/L	12/05/94	1	ND	ND	ND	ND	--	--	--
No SW Standard	ug/L	02/14/95	1	ND	ND	ND	ND	--	--	--
	ug/L	04/03/95	1	ND	ND	ND	ND	--	--	--
	ug/L	10/30/95	1	ND	ND	ND	ND	--	--	--
	ug/L	04/08/96	1	--	ND	ND	ND	--	--	--
	ug/L	05/29/96	1	--	ND	ND	ND	--	--	--
	ug/L	06/06/96	1	--	ND	ND	ND	--	--	--
	ug/L	10/24/96	1	ND	ND	ND	ND	--	--	--
	ug/L	04/15/97	1	ND	ND	ND	ND	--	--	--
	ug/L	10/29/97	1	ND	ND	ND	ND	--	--	--
	ug/L	05/14/98	1	ND	ND	ND	ND	--	--	--
	ug/L	11/11/98	1	ND	ND	ND	ND	--	--	--
	ug/L	06/04/99	1	ND	ND	ND	ND	--	--	--
	ug/L	10/29/99	1	ND	ND	ND	ND	--	--	--
	ug/L	04/20/00	1	ND	ND	ND	ND	--	--	--
	ug/L	11/07/00	1	ND	ND	ND	ND	--	--	--
	ug/L	10/16/01	1	ND	--	ND	ND	--	--	--
	ug/L	04/24/02	1	ND	--	ND	ND	--	--	--
	ug/L	10/01/02	1	ND	--	ND	ND	--	--	--
	ug/L	04/09/03	1	ND	--	ND	ND	--	--	--
	ug/L	10/20/03	1	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	1	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	1	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	1	ND	ND	ND	ND	--	--	--
	ug/L	10/04/05	1	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	1	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	1	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	1	ND	ND	ND	ND	--	--	ND
	ug/L	10/02/07	1	ND	ND	ND	ND	--	--	0.41 J
	ug/L	04/03/08	1	ND	ND	ND	ND	--	--	0.42 J
	ug/L	10/29/08	1	ND	--	ND	0.19 J	--	--	ND
	ug/L	03/24/09	1	ND	ND	ND	ND	--	--	ND
	ug/L	09/22/09	1	ND	ND	ND	ND	--	--	ND
	ug/L	03/22/10	1	ND	ND	ND	ND	--	--	ND
	ug/L	06/03/10	1	--	--	--	--	ND	ND	ND
	ug/L	09/23/10	1	ND	ND	ND	ND	--	--	ND
	ug/L	03/16/11	1	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/21/11	1	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ug/L	12/05/94	1	ND	ND	ND	ND	--	--	--
No SW Standard	ug/L	02/14/95	1	ND	ND	ND	ND	--	--	--
	ug/L	04/03/95	1	ND	ND	ND	ND	--	--	--
	ug/L	10/30/95	1	ND	ND	ND	ND	--	--	--
	ug/L	04/08/96	1	--	ND	ND	ND	--	--	--
	ug/L	05/29/96	1	--	ND	ND	ND	--	--	--
	ug/L	06/06/96	1	--	ND	ND	ND	--	--	--
	ug/L	10/24/96	1	ND	ND	ND	ND	--	--	--
	ug/L	04/15/97	1	ND	ND	ND	ND	--	--	--
	ug/L	10/29/97	1	ND	ND	ND	ND	--	--	--
	ug/L	05/14/98	1	ND	ND	ND	ND	--	--	--
	ug/L	11/11/98	1	ND	ND	ND	ND	--	--	--
	ug/L	06/04/99	1	ND	ND	ND	ND	--	--	--
	ug/L	10/29/99	1	ND	ND	ND	ND	--	--	--
	ug/L	04/20/00	1	ND	ND	ND	ND	--	--	--
	ug/L	11/07/00	1	ND	ND	ND	ND	--	--	--
	ug/L	10/16/01	1	ND	--	ND	ND	--	--	--
	ug/L	04/24/02	1	ND	--	ND	ND	--	--	--
	ug/L	10/01/02	1	ND	--	ND	ND	--	--	--
	ug/L	04/09/03	1	ND	--	ND	ND	--	--	--
	ug/L	10/20/03	1	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	1	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	1	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	1	ND	ND	ND	ND	--	--	--
	ug/L	10/04/05	1	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	1	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	1	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	1	ND	ND	ND	ND	--	--	ND
	ug/L	10/02/07	1	ND	0.24 J	ND	ND	--	--	ND
	ug/L	04/03/08	1	ND	1.12	ND	ND	--	--	ND
	ug/L	10/29/08	1	ND	--	ND	ND	--	--	ND
	ug/L	03/24/09	1	ND	ND	ND	ND	--	--	ND
	ug/L	09/22/09	1	ND	0.42 J	ND	ND	--	--	ND
	ug/L	03/22/10	1	ND	0.62 J	ND	ND	--	--	ND
	ug/L	06/03/10	1	--	--	--	--	ND	ND	ND
	ug/L	09/23/10	1	ND	ND	ND	ND	--	--	ND
	ug/L	03/16/11	1	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/21/11	1	ND	ND	ND	ND	ND	ND	ND

TABLE 5

Summary of Detected Constituents in Surface Water Monitoring Points
Henderson County Closed Landfill, Permit No. 45-01
Henderson County, North Carolina

Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	BR-1	BR-2	BR-3	SW-1	TSW-1	TSW-2	Blanks
Toluene	ug/L	12/05/94	1	ND	ND	ND	ND	--	--	--
SW Standard = 11 ug/L	ug/L	02/14/95	1	ND	ND	ND	ND	--	--	--
	ug/L	04/03/95	1	ND	ND	ND	ND	--	--	--
	ug/L	10/30/95	1	ND	ND	ND	ND	--	--	--
	ug/L	04/08/96	1	--	ND	ND	ND	--	--	--
	ug/L	05/29/96	1	--	ND	ND	ND	--	--	--
	ug/L	06/06/96	1	--	ND	ND	ND	--	--	--
	ug/L	10/24/96	1	ND	ND	ND	ND	--	--	--
	ug/L	04/15/97	1	ND	ND	ND	ND	--	--	--
	ug/L	10/29/97	1	ND	ND	ND	ND	--	--	--
	ug/L	05/14/98	1	ND	ND	ND	ND	--	--	--
	ug/L	11/11/98	1	ND	ND	ND	ND	--	--	--
	ug/L	06/04/99	1	ND	ND	ND	ND	--	--	--
	ug/L	10/29/99	1	ND	ND	ND	ND	--	--	--
	ug/L	04/20/00	1	ND	ND	ND	ND	--	--	--
	ug/L	11/07/00	1	ND	ND	ND	ND	--	--	--
	ug/L	10/16/01	1	ND	--	ND	ND	--	--	--
	ug/L	04/24/02	1	ND	--	ND	ND	--	--	--
	ug/L	10/01/02	1	ND	--	ND	ND	--	--	--
	ug/L	04/09/03	1	ND	--	ND	ND	--	--	--
	ug/L	10/20/03	1	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	1	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	1	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	1	ND	ND	ND	ND	--	--	--
	ug/L	10/04/05	1	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	1	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	1	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	1	ND	0.29 J	ND	ND	--	--	ND
	ug/L	10/02/07	1	ND	ND	ND	ND	--	--	ND
	ug/L	04/03/08	1	ND	ND	ND	ND	--	--	0.6 J
	ug/L	10/29/08	1	ND	--	ND	ND	--	--	ND
	ug/L	03/24/09	1	ND	ND	ND	ND	--	--	ND
	ug/L	09/22/09	1	ND	ND	ND	ND	--	--	ND
	ug/L	03/22/10	1	ND	ND	ND	ND	--	--	ND
	ug/L	06/03/10	1	--	--	--	--	ND	ND	ND
	ug/L	09/23/10	1	ND	ND	ND	ND	--	--	ND
	ug/L	03/16/11	1	ND	ND	ND	ND	3.6	ND	ND
	ug/L	09/21/11	1	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ug/L	12/05/94	1	ND	ND	ND	ND	--	--	--
No SW Standard	ug/L	02/14/95	1	ND	ND	ND	ND	--	--	--
	ug/L	04/03/95	1	ND	ND	ND	ND	--	--	--
	ug/L	10/30/95	1	ND	ND	ND	ND	--	--	--
	ug/L	04/08/96	1	--	ND	ND	ND	--	--	--
	ug/L	05/29/96	1	--	ND	ND	ND	--	--	--
	ug/L	06/06/96	1	--	ND	ND	ND	--	--	--
	ug/L	10/24/96	1	ND	ND	ND	ND	--	--	--
	ug/L	04/15/97	1	ND	ND	ND	ND	--	--	--
	ug/L	10/29/97	1	ND	ND	ND	ND	--	--	--
	ug/L	05/14/98	1	ND	ND	ND	ND	--	--	--
	ug/L	11/11/98	1	ND	ND	ND	ND	--	--	--
	ug/L	06/04/99	1	ND	ND	ND	ND	--	--	--
	ug/L	10/29/99	1	ND	ND	ND	ND	--	--	--
	ug/L	04/20/00	1	ND	ND	ND	ND	--	--	--
	ug/L	11/07/00	1	ND	ND	ND	ND	--	--	--
	ug/L	10/16/01	1	ND	--	ND	ND	--	--	--
	ug/L	04/24/02	1	ND	--	ND	ND	--	--	--
	ug/L	10/01/02	1	ND	--	ND	ND	--	--	--
	ug/L	04/09/03	1	ND	--	ND	ND	--	--	--
	ug/L	10/20/03	1	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	1	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	1	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	1	ND	ND	ND	ND	--	--	--
	ug/L	10/04/05	1	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	1	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	1	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	1	ND	ND	ND	ND	--	--	ND
	ug/L	10/02/07	1	ND	1 J	ND	ND	--	--	ND
	ug/L	04/03/08	1	ND	1.23 J	ND	ND	--	--	ND
	ug/L	10/29/08	1	ND	--	ND	ND	--	--	ND
	ug/L	03/24/09	1	ND	ND	ND	ND	--	--	ND
	ug/L	09/22/09	1	ND	ND	ND	ND	--	--	ND
	ug/L	03/22/10	1	ND	ND	ND	ND	--	--	ND
	ug/L	06/03/10	1	--	--	--	--	ND	ND	ND
	ug/L	09/23/10	1	ND	ND	ND	ND	--	--	ND
	ug/L	03/16/11	1	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/21/11	1	ND	ND	ND	ND	ND	ND	ND

TABLE 5

Summary of Detected Constituents in Surface Water Monitoring Points
Henderson County Closed Landfill, Permit No. 45-01
Henderson County, North Carolina

Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	BR-1	BR-2	BR-3	SW-1	TSW-1	TSW-2	Blanks
Vinyl chloride	ug/L	12/05/94	1	ND	ND	ND	ND	--	--	--
No SW Standard	ug/L	02/14/95	1	ND	ND	ND	ND	--	--	--
	ug/L	04/03/95	1	ND	ND	ND	ND	--	--	--
	ug/L	10/30/95	1	ND	ND	ND	ND	--	--	--
	ug/L	04/08/96	1	--	ND	ND	ND	--	--	--
	ug/L	05/29/96	1	--	ND	ND	ND	--	--	--
	ug/L	06/06/96	1	--	ND	ND	ND	--	--	--
	ug/L	10/24/96	1	ND	ND	ND	ND	--	--	--
	ug/L	04/15/97	1	ND	ND	ND	ND	--	--	--
	ug/L	10/29/97	1	ND	ND	ND	ND	--	--	--
	ug/L	05/14/98	1	ND	ND	ND	ND	--	--	--
	ug/L	11/11/98	1	ND	ND	ND	ND	--	--	--
	ug/L	06/04/99	1	ND	ND	ND	ND	--	--	--
	ug/L	10/29/99	1	ND	ND	ND	ND	--	--	--
	ug/L	04/20/00	1	ND	ND	ND	ND	--	--	--
	ug/L	11/07/00	1	ND	ND	ND	ND	--	--	--
	ug/L	10/16/01	1	ND	--	ND	ND	--	--	--
	ug/L	04/24/02	1	ND	--	ND	ND	--	--	--
	ug/L	10/01/02	1	ND	--	ND	ND	--	--	--
	ug/L	04/09/03	1	ND	--	ND	ND	--	--	--
	ug/L	10/20/03	1	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	1	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	1	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	1	ND	ND	ND	ND	--	--	--
	ug/L	10/04/05	1	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	1	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	1	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	1	0.52 J	ND	ND	ND	--	--	ND
	ug/L	10/02/07	1	ND	0.47 J	ND	ND	--	--	ND
	ug/L	04/03/08	1	ND	ND	ND	ND	--	--	ND
	ug/L	10/29/08	1	ND	--	ND	ND	--	--	ND
	ug/L	03/24/09	1	ND	ND	ND	ND	--	--	ND
	ug/L	09/22/09	1	ND	ND	ND	ND	--	--	ND
	ug/L	03/22/10	1	ND	ND	ND	ND	--	--	ND
	ug/L	06/03/10	1	--	--	--	--	ND	ND	ND
	ug/L	09/23/10	1	ND	ND	ND	ND	--	--	ND
	ug/L	03/16/11	1	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/21/11	1	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)	ug/L	12/05/94	5	ND	ND	ND	0.04	--	--	--
SW Standard = 670 ug/L	ug/L	02/14/95	5	ND	ND	ND	0.071	--	--	--
	ug/L	04/03/95	5	ND	ND	ND	0.051	--	--	--
	ug/L	10/30/95	5	ND	ND	ND	ND	--	--	--
	ug/L	04/08/96	5	--	ND	ND	0.04	--	--	--
	ug/L	05/29/96	5	--	ND	ND	--	--	--	--
	ug/L	06/06/96	5	--	ND	ND	--	--	--	--
	ug/L	10/24/96	5	ND	ND	ND	0.013	--	--	--
	ug/L	04/15/97	5	ND	ND	ND	0.03	--	--	--
	ug/L	10/29/97	5	ND	ND	ND	ND	--	--	--
	ug/L	05/14/98	5	ND	ND	ND	ND	--	--	--
	ug/L	11/11/98	5	ND	ND	ND	ND	--	--	--
	ug/L	06/04/99	5	ND	ND	ND	ND	--	--	--
	ug/L	10/29/99	5	ND	ND	ND	ND	--	--	--
	ug/L	04/20/00	5	ND	ND	ND	ND	--	--	--
	ug/L	11/07/00	5	ND	ND	ND	ND	--	--	--
	ug/L	10/16/01	5	ND	--	ND	ND	--	--	--
	ug/L	04/24/02	5	ND	--	ND	ND	--	--	--
	ug/L	10/01/02	5	ND	--	ND	ND	--	--	--
	ug/L	04/09/03	5	ND	--	ND	0.063	--	--	--
	ug/L	10/20/03	5	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	5	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	5	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	5	ND	ND	ND	ND	--	--	--
	ug/L	10/04/05	5	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	5	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	5	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	5	ND	ND	ND	ND	--	--	ND
	ug/L	10/02/07	5	ND	0.17 J	ND	ND	--	--	ND
	ug/L	04/03/08	5	ND	ND	ND	ND	--	--	ND
	ug/L	10/29/08	5	ND	--	ND	ND	--	--	ND
	ug/L	03/24/09	5	ND	ND	ND	ND	--	--	ND
	ug/L	09/22/09	5	ND	ND	ND	ND	--	--	ND
	ug/L	03/22/10	5	ND	ND	ND	ND	--	--	ND
	ug/L	06/03/10	5	--	--	--	--	ND	ND	ND
	ug/L	09/23/10	5	ND	ND	ND	ND	--	--	ND
	ug/L	03/16/11	5	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/21/11	5	ND	ND	ND	ND	ND	ND	ND

TABLE 5

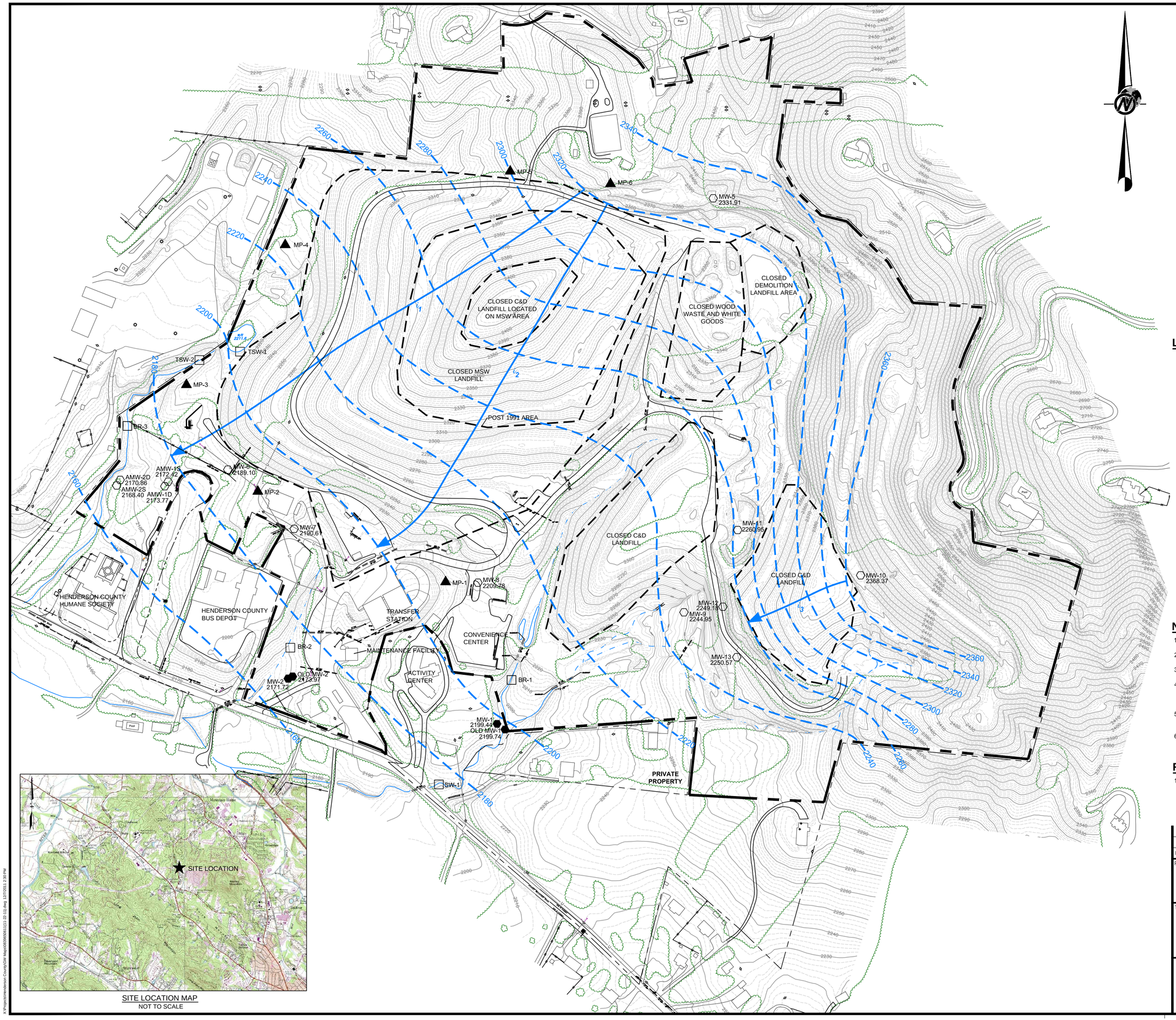
Summary of Detected Constituents in Surface Water Monitoring Points
Henderson County Closed Landfill, Permit No. 45-01
Henderson County, North Carolina

Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	BR-1	BR-2	BR-3	SW-1	TSW-1	TSW-2	Blanks
pH (field)	S.U.	10/05/06	--	5.90	6.62	6.74	6.80	--	--	--
	S.U.	10/02/07	--	6.35	6.37	6.25	7.20	--	--	--
	S.U.	04/01/08	--	6.61	6.41	6.35	7.32	--	--	--
	S.U.	03/24/09	--	7.48	7.83	7.50	7.84	--	--	--
	S.U.	09/22/09	--	6.94	6.81	7.06	7.01	--	--	--
	S.U.	03/22/10	--	6.29	6.32	6.34	6.75	--	--	--
	S.U.	06/03/10	--	--	--	--	--	7.21	6.33	--
	S.U.	09/23/10	--	7.27	7.17	6.55	7.44	--	--	--
	S.U.	03/16/11	--	7.16	6.42	6.48	6.65	7.47	6.85	--
	S.U.	09/21/11	--	6.95	7.51	6.65	7.41	7.12	7.02	--
Conductivity (field)	uS/cm	10/05/06	--	530	765	1512	184	--	--	--
	uS/cm	10/02/07	--	498	1029	3037	321	--	--	--
	uS/cm	04/01/08	--	400	932	2355	400	--	--	--
	uS/cm	03/24/09	--	620	810	3230	360	--	--	--
	uS/cm	09/22/09	--	388	845	1328	338	--	--	--
	uS/cm	03/22/10	--	343	783	403	317	--	--	--
	uS/cm	06/03/10	--	--	--	--	--	779	599	--
	uS/cm	09/23/10	--	506	1217	2605	343	--	--	--
	uS/cm	03/16/11	--	357	715	2341	354	284	1713	--
	uS/cm	09/21/11	--	484	863	2149	326	574	3175	--
Temperature (field)	Celsius	10/05/06	--	15.7	16.0	15.9	17.0	--	--	--
	Celsius	10/02/07	--	13.6	14.9	15.3	14.9	--	--	--
	Celsius	04/01/08	--	15.9	10.7	10.7	15.9	--	--	--
	Celsius	03/24/09	--	13.4	14.8	8.2	14.4	--	--	--
	Celsius	09/22/09	--	20.54	18.56	19.52	19.20	--	--	--
	Celsius	03/22/10	--	6.79	8.12	7.74	7.76	--	--	--
	Celsius	06/03/10	--	--	--	--	--	29.51	17.45	--
	Celsius	09/23/10	--	20.05	18.13	19.60	19.38	--	--	--
	Celsius	03/16/11	--	8.13	11.22	11.32	7.06	17.76	11.62	--
	Celsius	09/21/11	--	16.71	20.10	18.13	16.55	19.50	15.48	--
Turbidity (field)	NTU	03/24/09	--	34.2	12.7	3.02	6.58	--	--	--
	NTU	09/22/09	--	69.3	29.7	24.9	9.06	--	--	--
	NTU	03/22/10	--	29.6	12.6	10	23	--	--	--
	NTU	06/03/10	--	--	--	--	--	260	17.1	--
	NTU	09/23/10	--	54.2	6.72	11.3	3.51	--	--	--
	NTU	03/16/11	--	74.6	8.59	23.6	20.7	50.8	6.27	--
	NTU	09/21/11	--	66.4	215	42.8	35.9	19.5	23.6	--
Oxidation Reduction Potential (field)	mV	09/22/09	--	-27.9	-51.1	-35.1	26.6	--	--	--
	mV	03/22/10	--	-9.7	-45.7	47.1	-29.0	--	--	--
	mV	06/03/10	--	--	--	--	--	-73.7	3.0	--
	mV	09/23/10	--	-27.2	-134.9	-2.0	30.2	--	--	--
	mV	03/16/11	--	15.1	31.4	1.3	-1.6	106.2	-6.5	--
	mV	09/21/11	--	-34.1	-25.4	-18.9	-41.0	9.3	-24.9	--
Dissolved Oxygen (field)	mg/L	09/22/09	--	4.00	4.20	4.33	5.02	--	--	--
	mg/L	03/22/10	--	10.99	9.49	9.03	10.47	--	--	--
	mg/L	06/03/10	--	--	--	--	--	--	--	--
	mg/L	09/23/10	--	6.87	24.0	6.36	6.28	--	--	--
	mg/L	3/16/11	--	14.68	13.44	8.76	10.47	18.12	8.29	--
	mg/L	09/21/11	--	7.42	6.32	6.90	8.74	6.61	7.64	--

Notes:

mg/L = milligrams per liter
ug/L = micrograms per liter
S.U. = Standard Units
NTU = Nephelometric Turbidity Units
ND = Not detected at the stated reporting limit
uS/cm = microsiemens per centimeter
mV = Millivolts
J = Estimated concentration
B = Blank-qualified result
-- = no data available
SW Standard = Surface Water Standard based on Freshwater Aquatic Life Classification
1) Surface Water Standards based on Fresh Water Aquatic Life Classification
Blanks = field, trip and method blanks
SWS Reporting Limit = NCPQL or lab-specific reporting limit prior to October 2007 and NCSWSL starting in October 2007
(N) = Narrative Standard
(AL) = Action Level Standard
1) Historical data prior to March 2009 provided by Henderson County and CDM.
2) TSW-1 and TSW-2 were added as temporary monitoring points during the March 2011 event.

DRAWING



LEGEND

- EXISTING 10 FT. CONTOUR
- EXISTING 2 FT. CONTOUR
- PROPERTY LINE
- LIMITS OF WASTE
- STREAM
- BUFFER
- TREELINE
- EXISTING ROAD
- FENCE
- GROUNDWATER SURFACE CONTOURS
- APPROXIMATE GROUNDWATER FLOW SEGMENT USED TO CALCULATE GRADIENT
- MW-8 2209.78 — MONITORING WELL AND IDENTIFICATION
- MW-1 2199.44 — NON COMPLIANCE MONITORING WELL AND IDENTIFICATION
- MP-6 — METHANE MONITORING PROBE AND IDENTIFICATION
- BR-1 — SURFACE WATER MONITORING POINT AND IDENTIFICATION

NOTES

1. TOPOGRAPHIC CONTOUR INTERVAL = 2 FEET
2. GROUNDWATER SURFACE CONTOUR INTERVAL = 20 FEET
3. GROUNDWATER ELEVATIONS MEASURED ON SEPTEMBER 20-21, 2011.
4. GROUNDWATER CONTOURS BASED ON LINEAR INTERPOLATION BETWEEN AND EXTRAPOLATION FROM KNOWN DATA, TOPOGRAPHIC CONTOURS, AND KNOWN FIELD CONDITIONS. THEREFORE GROUNDWATER CONTOURS MAY NOT REFLECT ACTUAL CONDITIONS.
5. GROUNDWATER CONTOUR LINES SHOW THE WATER TABLE SHAPE AND ELEVATION. THESE CONTOURS ARE INFERRED LINES FOLLOWING THE GROUNDWATER SURFACE AT A CONSTANT ELEVATION ABOVE SEA LEVEL.
6. COORDINATE SYSTEM IS N.C. STATE PLANE GRID.

REFERENCES

1. BASE MAP PROVIDED BY McGILL ASSOCIATES P.A.

150 0 150 300
SCALE FEET

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW

PROJECT
HENDERSON COUNTY CLOSED MSW AND C&D LANDFILL
PERMIT # 45-01

TITLE
GROUNDWATER SURFACE CONTOUR MAP SEPTEMBER 20-21, 2011

Golder Associates
GOLDER ASSOCIATES NC, INC.

PROJECT No.	083-9650611		FILE No. 0839650611(11-22-11)	
DESIGN	DYR	11/14/11	SCALE AS SHOWN	REV. –
CADD	LKB	11/14/11		
CHECK	DYR		DWG. 1	
REVIEW	RPK			

PM 8:20 11/22/11 Dwg 01 02-111 1/0650650/0650650 Map/Map Cfg Latest/Latest.dwg/Map

APPENDIX A

GROUNDWATER AND SURFACE WATER SAMPLING LOGS

Golder Associates

DATE: 9-20-11

GROUNDWATER SAMPLING LOG

Project Name: Henderson Co.
Project No./Phase No.: 0839-6506011
Well ID: MW-5
Sampler(s): N.Rathjen, B. Freyer
Well Diameter: 2 inches
Int. Depth to Water: 57.91 feet
Depth to Bottom: 74.00 feet
Total Water Column: 16.09 feet
Well Volume: 2.62 gallons
3x Well Volume: 7.86 gallons
Well Location: near large building above LF overlooking MSW white goods
Equipment: YSI 556, Disposable Poly Bailer, Hanna Turbidimeter, Water Level Meter

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
1330	5.60	0.152	158	12.05	0
1336	5.67	0.143	>1000	13.08	2.62
1340	5.68	0.141	>1000	13.18	5.24
1345	5.75	0.139	>1000	13.23	7.86
Sampled on		9-21-11	@ 0926		
0926	5.65	0.146	40.1	14.32	–

Comments (weather conditions, color, type of sample, purge-water management, etc.):
cloudy, low 60's, mist/sprinkles, slight breeze

Signature: [illegible] **Date:** 9-20-11

QA/QC Sign Off: [illegible] **Date:** 10-26-11

Golder Associates

DATE: 9-21-11

GROUNDWATER SAMPLING LOG

Project Name: Henderson Co. **Project No./Phase No.:** 0839-6506011
Well ID: MW-6 **Sampler(s):** N.Rathjen, B. Freyer
Well Diameter: 2 inches **Int. Depth to Water:** 15.14 feet
Depth to Bottom: 19.26 feet **Total Water Column:** 4.12 feet
Well Volume: 0.67 gallons **3x Well Volume:** 2.01 gallons
Well Location: off access road along fence before flare
Equipment: YSI 556, Disposable Poly Bailer, Hanna Turbidimeter, Water Level Meter

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
1411	6.29	0.735	156	17.70	0
1412	6.08	0.953	418	16.72	0.67
1414	6.10	1.083	267	16.67	1.34
1417	6.09	1.198	527	16.77	2.01
Sampled on 9-22-11 @ 1032					
1032	6.01	1.228	140	17.37	—

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Weather - Slight breeze, 70s overcast
- Very strong odor coming from well
- chunks of red algae slime floating in sample

Signature: Nath Rath **Date:** 9-22-11

QA/QC Sign Off: Paul Reedy **Date:** 10-26-11

Golder Associates

DATE: 9-21-11

GROUNDWATER SAMPLING LOG

Project Name: Henderson Co.
Project No./Phase No.: 0839-6506011
Well ID: MW-7
Sampler(s): N.Rathjen, B. Freyer
Well Diameter: 2 inches
Int. Depth to Water: 20.05 feet
Depth to Bottom: 28.11 feet
Total Water Column: 8.06 feet
Well Volume: 1.31 gallons
3x Well Volume: 3.94 gallons
Well Location: across from transfer station next to empty trailer
Equipment: YSI 556, Disposable Poly Bailer, Hanna Turbidimeter, Water Level Meter

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
1340	6.56	0.502	33.4	17.63	0
1342	6.23	0.493	32.5	17.48	1.31
1344	6.05	0.545	108	17.48	2.62
1346	6.05	0.529	625	17.24	3.94
Sampled on		9-22-11	@ 1018		
1018	5.92	0.494	64.9	17.38	—

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Overcast, 70's

Signature: [illegible] **Date:** 9-21-11

QA/QC Sign Off: [illegible] **Date:** 10-26-11

Golder Associates

DATE: 9-21-11

GROUNDWATER SAMPLING LOG

Project Name: Henderson Co.
Project No./Phase No.: 0839-6506011
Well ID: MW-8
Sampler(s): N.Rathjen, B. Freyer
Well Diameter: 2 inches
Int. Depth to Water: 26.09 feet
Depth to Bottom: 31.30 feet
Total Water Column: 5.21 feet
Well Volume: 0.8 gallons
3x Well Volume: 2.4 gallons
Well Location: located off of access road near convenience center
Equipment: YSI 556, Disposable Poly Bailer, Hanna Turbidimeter, Water Level Meter

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
1308	6.20	1.152	55.4	16.57	0
1310	6.11	1.109	>1000	16.15	0.8
1313	6.12	1.028	433	16.37	1.6
1316	6.03	0.903	>1000	16.14	2.4
Sampled on 9-22-11 @ 0952					
0952	5.88	0.989	280	16.06	–

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Weather - raining, calm, 60's

Signature: Nathan Rath
Date: 9-21-11

QA/QC Sign Off: Paul Rach
Date: 10-26-11

Golder Associates

DATE: 9-20-11

GROUNDWATER SAMPLING LOG

Project Name: Henderson Co.
Project No./Phase No.: 0839-6506011
Well ID: MW-10
Sampler(s): N.Rathjen, B. Freyer
Well Diameter: 2 inches
Int. Depth to Water: 36.18 feet
Depth to Bottom: 46.50 feet
Total Water Column: 10.32 feet
Well Volume: NR ~~10.~~ 1.68 gallons
3x Well Volume: 5.04 gallons
Well Location: located East of closed C+D on hill
Equipment: YSI 556, Disposable Poly Bailer, Hanna Turbidimeter, Water Level Meter

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
1257	6.00	0.041	8.09	13.94	0
1301	5.81	0.042	89.7	13.87	1.68
1306	5.88	0.043	121.	13.81	3.36
1309	5.84	0.043	136	13.85	5.04
Sampled on 9-21-11 @ 0855					
0855	5.92	0.044	14.6	13.97	–

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Weather- overcast, calm, 70's

Signature: [signature] **Date:** 9-21-11

QA/QC Sign Off: [signature] **Date:** 10-26-11

DATE: 9-21-11

Golder Associates

GROUNDWATER SAMPLING LOG

Project Name: Henderson Co.
Project No./Phase No.: 0839-6506011
Well ID: MW-11
Sampler(s): N.Rathjen, B. Freyer
Well Diameter: 2 inches
Int. Depth to Water: 46.77 feet
Depth to Bottom: 67.05 ~~48.50~~ NR feet
Total Water Column: 20.28 feet
Well Volume: 3.30 gallons
3x Well Volume: 9.90 gallons
Well Location: located in road near new convenience center
Equipment: YSI 556, Disposable Poly Bailer, Hanna Turbidimeter, Water Level Meter

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
1049	5.86	0.119	~~15.47~~	15.47	0
dry - bailed 2 gal			505 NR		~~3.30~~
- unable to sample due to damaged well					~~6.60~~
					~~9.90~~

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Weather - clear, calm, overcast, 70s

Signature: [signature] **Date:** 9-21-11

QA/QC Sign Off: [signature] **Date:** 10-26-11

DATE: 9-21-11

Golder Associates

GROUNDWATER SAMPLING LOG

Project Name: Henderson Co.
Project No./Phase No.: 0839-6506011
Well ID: MW-12
Sampler(s): N.Rathjen, B. Freyer
Well Diameter: 2 inches
Int. Depth to Water: 50.91 feet
Depth to Bottom: 62.90 feet
Total Water Column: 11.99 feet
Well Volume: 1.95 gallons
3x Well Volume: 5.86 gallons
Well Location: located off access road @ bottom of hill
Equipment: YSI 556, Disposable Poly Bailer, Hanna Turbidimeter, Water Level Meter

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
1025	5.44	0.258	5.90	14.31	0
1029	5.44	0.356	212	13.92	1.95
1032	5.46	0.366	568	13.87	3.90
1035	5.43	0.367	545	13.88	5.86
Sampled on		9-22-11	@ 0930		
0930	5.38	0.272	27.6	15.20	—

Comments (weather conditions, color, type of sample, purge-water management, etc.):
raining, 60's, calm

Signature: [signature] **Date:** 9-21-11

QA/QC Sign Off: [signature] **Date:** 10-26-11

Golder Associates

DATE: 9-20-11

GROUNDWATER SAMPLING LOG

Project Name: Henderson Co. **Project No./Phase No.:** 0839-6506011
Well ID: MW-13 **Sampler(s):** N.Rathjen, B. Freyer
Well Diameter: 2 inches **Int. Depth to Water:** 45.76 feet
Depth to Bottom: 91.11 feet **Total Water Column:** 45.35 feet
Well Volume: 7.39 gallons **3x Well Volume:** 22.1 gallons
Well Location: located off access road, ~~surrounded by 3 large yellow rocks~~ NR
Equipment: YSI 556, Disposable Poly Bailer, Hanna Turbidimeter, Water Level Meter

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
1408	5.71	0.214	51.4	14.36	0
1426	5.72	0.202	22.6	13.96	7.39
1447	5.89	0.190	44.5	14.11	14.78
1509	5.95	0.205	29.2	13.96	22.1
Sampled on	9-21-11	@ 0950			
0950	5.87	0.207	26.4	14.38	46.78

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Weather - overcast, clear, 70's

Signature: Natalie Rathjen **Date:** 9-20-11

QA/QC Sign Off: Paul Reedy **Date:** 10-26-11

DATE: 9-20-11

Golder Associates

GROUNDWATER SAMPLING LOG

Project Name: Henderson Co. **Project No./Phase No.:** 0839-6506011
Well ID: AMW-1S **Sampler(s):** N.Rathjen, B. Freyer
Well Diameter: 2 inches **Int. Depth to Water:** 15.67 feet
Depth to Bottom: 29.01 feet **Total Water Column:** 13.34 feet
Well Volume: 2.17 gallons **3x Well Volume:** 6.52 gallons
Well Location: W of LF located behind animal shelter in field
Equipment: YSI 556, Disposable Poly Bailer, Hanna Turbidimeter, Water Level Meter

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
1553	~~10~~ 6.71	0.165	46.4	15.23	0
1559	5.88	0.322	89.1	15.06	2.17
1609	5.94	0.544	41.2	15.02	4.34
1615	6.06	0.690	51.0	15.04	6.52
Sampled on 9-21-11 @ 1118					
1118	5.11	0.094	10.3	16.29	–

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Overcast, 60-70's

Signature: [signature] **Date:** 9-20-11

QA/QC Sign Off: [signature] **Date:** 10-26-11

DATE: 9-20-11

Golder Associates

GROUNDWATER SAMPLING LOG

Project Name: Henderson Co. **Project No./Phase No.:** 0839-6506011
Well ID: AMW-1D **Sampler(s):** N.Rathjen, B. Freyer
Well Diameter: 2 inches **Int. Depth to Water:** 17.00 feet
Depth to Bottom: 62.88 feet **Total Water Column:** 45.88 feet
Well Volume: 7.47 gallons **3x Well Volume:** 22.42 gallons
Well Location: W of LF located behind animal shelter
Equipment: YSI 556, Disposable Poly Bailer, Hanna Turbidimeter, Water Level Meter

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
1541	10.34	0.745	29.2	14.81	0
1553	7.57	0.694	21.0	14.01	7.47
1609	5.99	0.624	18.4	14.13	14.95
1622	6.08	0.623	14.2	14.35	22.42
Sampled on 9-21-11 @ 1125					
1125	5.88	0.563	2.18	15.85	-

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Weather - overcast, 70's, calm

Signature: Nathan Rath **Date:** 9-21-11

QA/QC Sign Off: Paul Reely **Date:** 10-26-11

Golder Associates

DATE: 9-20-11

GROUNDWATER SAMPLING LOG

Project Name: Henderson Co. **Project No./Phase No.:** 0839-6506011
Well ID: AMW-25 **Sampler(s):** N.Rathjen, B. Freyer
Well Diameter: 2 inches **Int. Depth to Water:** 9.26 feet
Depth to Bottom: 25.30 feet **Total Water Column:** 16.04 feet
Well Volume: 2.61 gallons **3x Well Volume:** 7.84 gallons
Well Location: W of LF behind animal shelter in woods
Equipment: YSI 556, Disposable Poly Bailer, Hanna Turbidimeter, Water Level Meter

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
1653	6.36	0.228	45.7	14.20	0
1658	6.11	0.258	398	14.69	2.61
1702	6.20	0.312	>1000	14.38	5.22
1707	6.06	0.275	>1000	14.16	7.84
Sampled on 9-21-11 @ 1140					
1140	6.38	0.282	64.9	17.06	–

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Weather - slight drizzle, calm, 70's

Signature: Nath Rath **Date:** 9-20-11

QA/QC Sign Off: Paul Reedy **Date:** 10-26-11

Golder Associates

DATE: 9-20-11

GROUNDWATER SAMPLING LOG

Project Name: Henderson Co. **Project No./Phase No.:** 0839-6506011
Well ID: AMW-2D **Sampler(s):** N.Rathjen, B. Freyer
Well Diameter: 2 inches **Int. Depth to Water:** 6.72 feet
Depth to Bottom: 84.05 feet **Total Water Column:** 77.33 feet
Well Volume: 12.6 gallons **3x Well Volume:** 37.8 gallons
Well Location: W of LF behind animal shelter
Equipment: YSI 556, Disposable Poly Bailer, Hanna Turbidimeter, Water Level Meter

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
1648	7.46	0.115	6.73	17.39	0
1709	6.45	0.119	18.8	13.77	~~6.7~~ 12.6
1727	6.48	0.122	14.8	13.75	25.2
1748	6.48	0.123	12.2	13.87	37.8
Sampled on	9-21-11	@ 1150			
1150	6.44	0.114	3.41	17.34	–

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Weather - overcast, clear, 70's

Signature: Nathan Rathjen **Date:** 9-21-11

QA/QC Sign Off: Paul Reedy **Date:** 10-26-11

DATE: 9-22-11

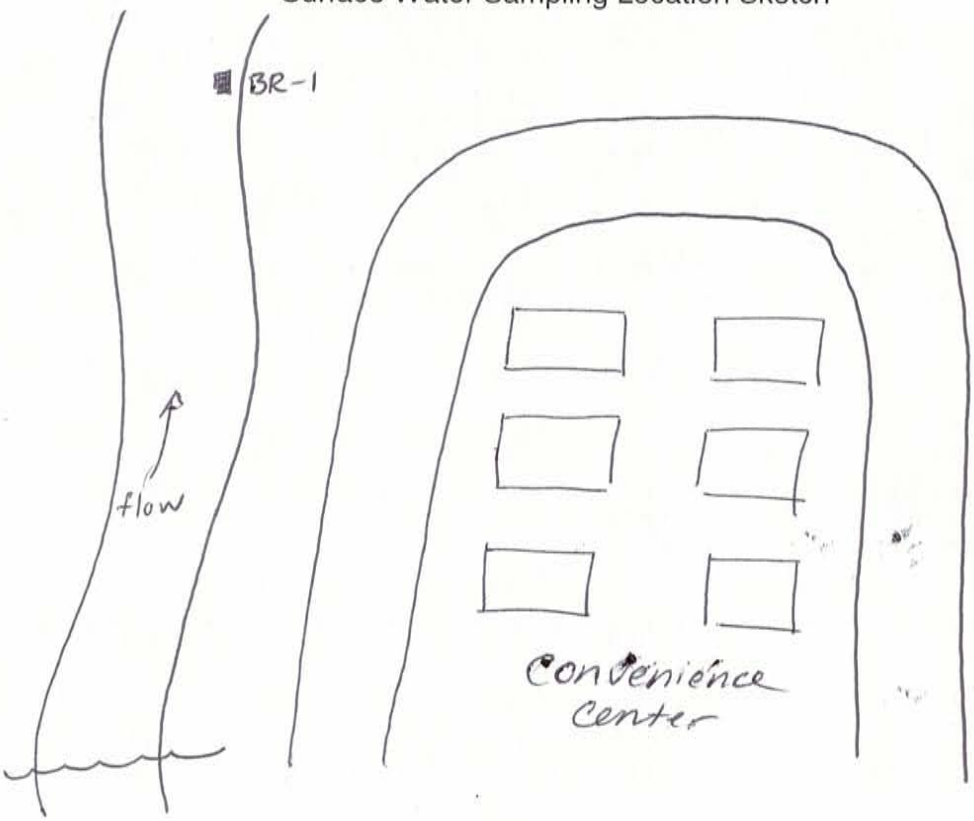
Golder Associates

SURFACE WATER SAMPLING LOG

Project Name: Henderson Co. **Project No./Phase No.:** 0839-6506011
Sample ID: BR-1 **Sampler(s):** N.Rathjen, B. Freyer
Sampling Location: located downstream of sed basin near convenience center
Equipment: YSI 556, Hanna Turbidimeter

Time	1002
pH s.u.	6.95
Cond. mS/cm	0.484
Turb. ntu	66.4
Dis. O_2 mg/L	7.42
Temp. °C	16.71
ORP mv	-34.1

Surface Water Sampling Location Sketch



Comments (sample methodology, weather conditions, color, silt, etc.):

Signature: Natha Rath **Date:** 9-22-11

QA/QC Sign Off: Paul Reedy **Date:** 10-26-11

Golder Associates

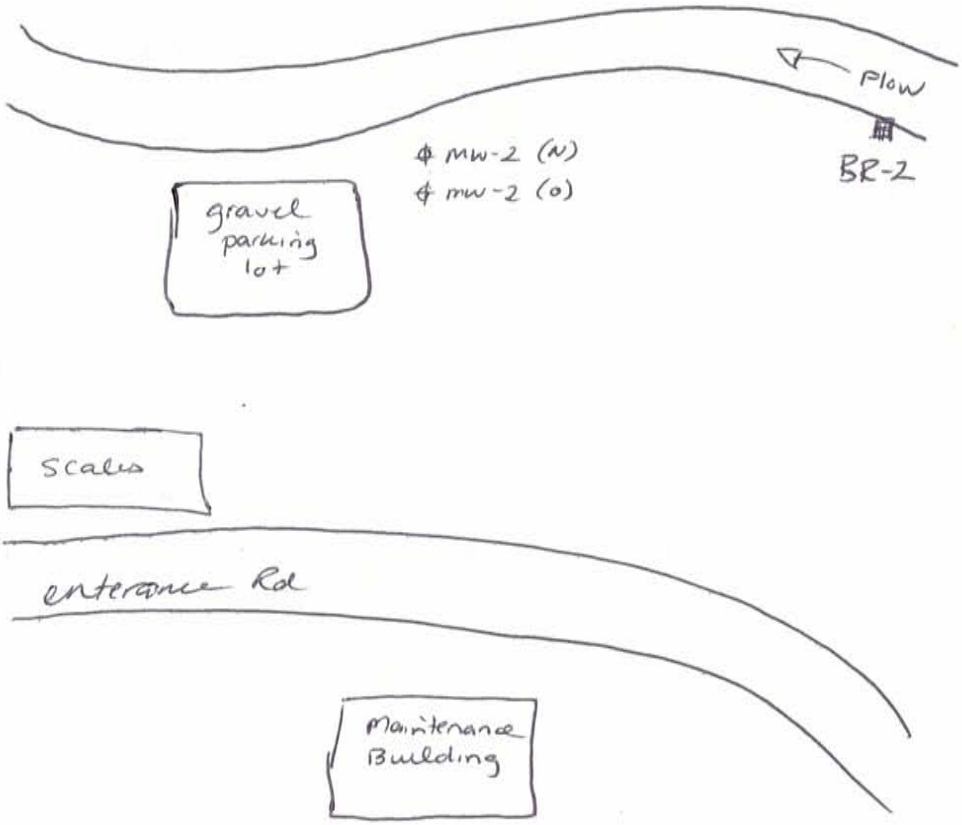
DATE: 9-21-11

SURFACE WATER SAMPLING LOG

Project Name: Henderson Co. **Project No./Phase No.:** 0839-6506011
Sample ID: BR-2 **Sampler(s):** N.Rathjen, B. Freyer
Sampling Location: located near LF enterance in woods behind gravel lot
Equipment: YSI 556, Hanna Turbidimeter

Time	1530
pH s.u.	7.51
Cond. mS/cm	0.863
Turb. ntu	215
Dis. O_2 mg/L	6.32
Temp. °C	20.10
ORP mv	-25.4

Surface Water Sampling Location Sketch



Comments (sample methodology, weather conditions, color, silt, etc.):
weather - slight breeze, overcast, 70's

Signature: Nathan Rathjen **Date:** 9-21-11

QA/QC Sign Off: Paul Reedy **Date:** 10-26-11

DATE: 9-21-11

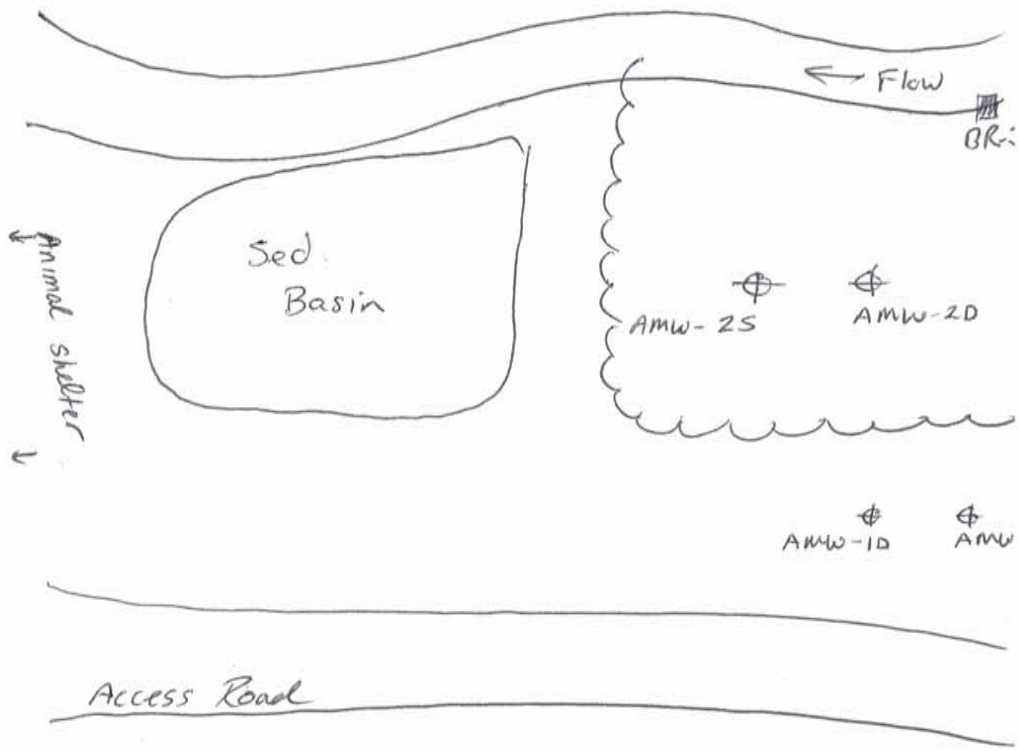
Golder Associates

SURFACE WATER SAMPLING LOG

Project Name: Henderson Co. **Project No./Phase No.:** 0839-6506011
Sample ID: BR-3 **Sampler(s):** N.Rathjen, B. Freyer
Sampling Location: located N of AMW wells @ bottom of hill
Equipment: YSI 556, Hanna Turbidimeter

Time	1502 ~~6.65~~
pH s.u.	6.65 ~~2.149~~
Cond. mS/cm	2.149 ~~42.8~~
Turb. ntu	42.8 ~~6.90~~
Dis. O_2 mg/L	6.90 ~~18~~
Temp. °C	18.13
ORP mv	~~-2~~ -18.9

Surface Water Sampling Location Sketch



Comments (sample methodology, weather conditions, color, silt, etc.):
Weather - overcast, slight breeze, 70s

Signature: [signature] **Date:** 9-21-11

QA/QC Sign Off: [signature] **Date:** 10-26-11

DATE: 9-22-11

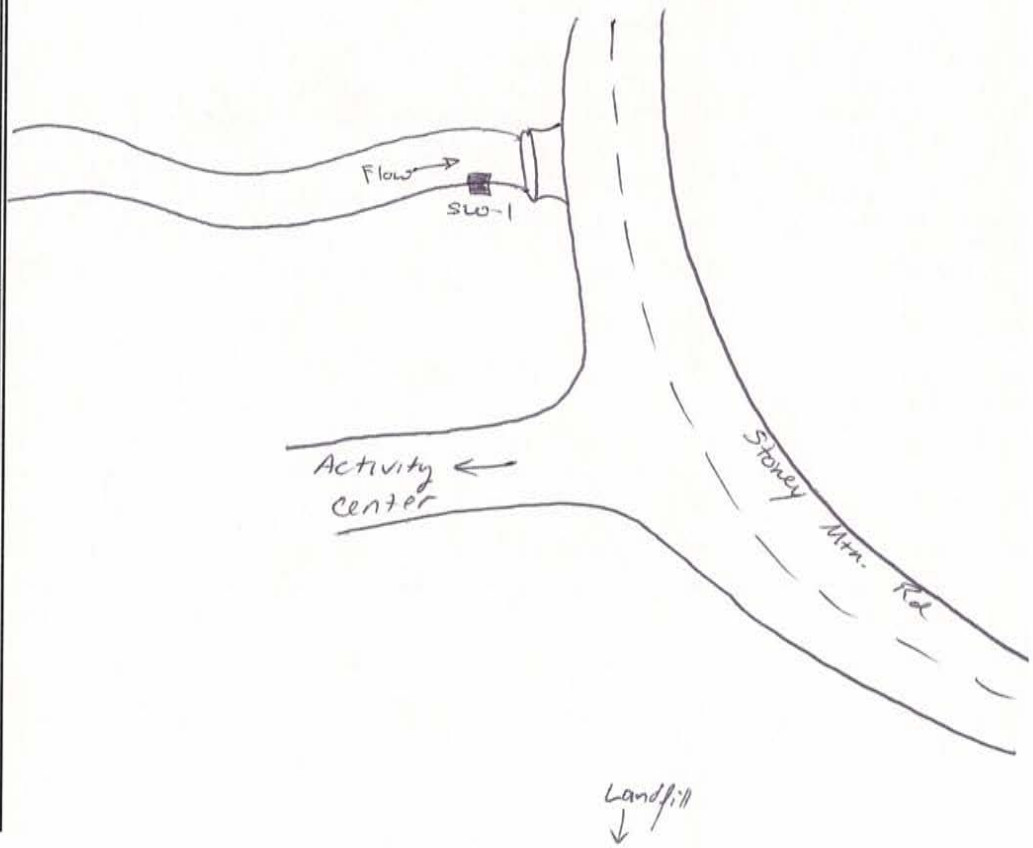
Golder Associates

SURFACE WATER SAMPLING LOG

Project Name: Henderson Co. **Project No./Phase No.:** 0839-6506011
Sample ID: SW-1 **Sampler(s):** N.Rathjen, B. Freyer
Sampling Location: located offsite along stoney Mtn Rd
Equipment: YSI 556, Hanna Turbidimeter

Time	1055
pH s.u.	7.41
Cond. mS/cm	0.326
Turb. ntu	35.9
Dis. O_2 mg/L	8.74
Temp. °C	16.55
ORP mv	-41.0

Surface Water Sampling Location Sketch



Comments (sample methodology, weather conditions, color, silt, etc.):
Weather - overcast, calm, 70's

Signature: [signature] **Date:** 9-22-11

QA/QC Sign Off: [signature] **Date:** 10-26-11

DATE: 9-21-11

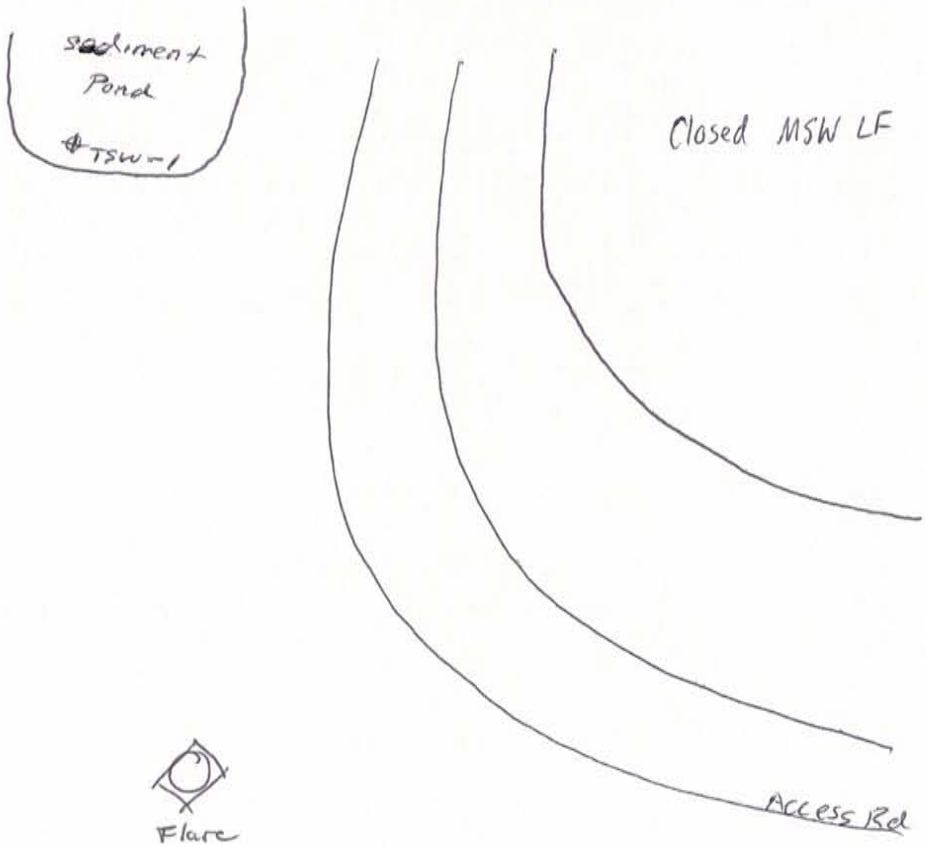
Golder Associates

SURFACE WATER SAMPLING LOG

Project Name: Henderson Co. **Project No./Phase No.:** 0839-6506011
Sample ID: TSW-1 **Sampler(s):** N.Rathjen, B. Freyer
Sampling Location: closed of closed MSW LF in pond
Equipment: YSI 556, Hanna Turbidimeter

Time	1446
pH s.u.	7.12
Cond. mS/cm	0.574
Turb. ntu	19.5
Dis. O_2 mg/L	6.61 ~~19.50~~ NR
Temp. °C	19.50
ORP mv	9.3

Surface Water Sampling Location Sketch



Comments (sample methodology, weather conditions, color, silt, etc.):
Weather - overcast, slight breeze, 70's

Signature: [signature] **Date:** 9-21-11

QA/QC Sign Off: [signature] **Date:** 10-26-11

DATE: 9-21-11

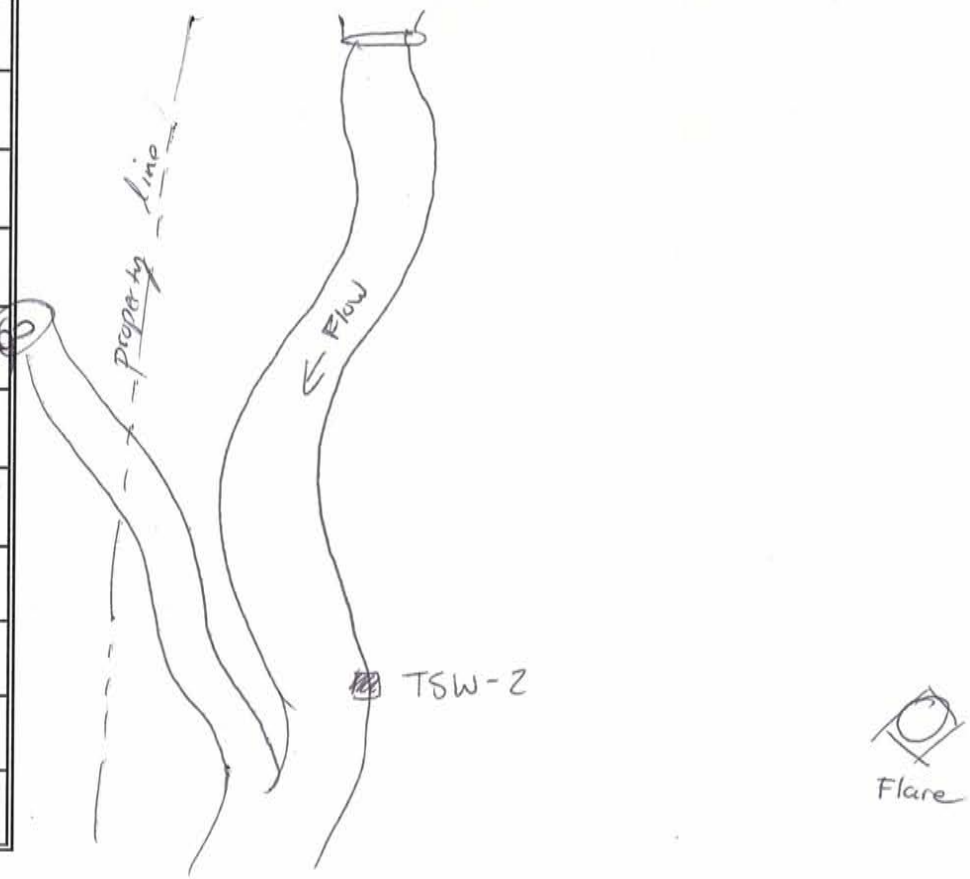
Golder Associates

SURFACE WATER SAMPLING LOG

Project Name: Henderson Co. **Project No./Phase No.:** 0839-6506011
Sample ID: TSW-2 **Sampler(s):** N.Rathjen, B. Freyer
Sampling Location: W of closed MSW LF downstream from TSW-1
Equipment: YSI 556, Hanna Turbidimeter

Time	1437
pH s.u.	7.02
Cond. mS/cm	3.175
Turb. ntu	23.6
Dis. O_2 mg/L	15.48
Temp. °C	7.64
ORP mv	-24.9

Surface Water Sampling Location Sketch



Comments (sample methodology, weather conditions, color, silt, etc.):
Weather - overcast, clear, calm, 70's

Signature: [signature] **Date:** 9-21-11

QA/QC Sign Off: [signature] **Date:** 10-26-11

Golder Associates

WELL CONDITION SUMMARY

DATE: 9-22-11

Project Name Henderson Co.

Project No./Task No. 0839-050611

Personnel N. Rathier / B. Freyer

Page 1 of 1

Well ID	Protective Casing	Well Casing	Label	Lock	Pad Condition	Depth of Well (Feet)	General Turbudity	Comments/ Observations*
MW-5	☒ OK ☐ Damaged	☒ OK ☐ Damaged	☒ OK ☐ Inadequate	☒ Yes ☐ No	☒ OK ☐ Damaged		☐ Clear ☐ Turbid	
MW-6	☐ OK ☒ Damaged	☒ OK ☐ Damaged	☒ OK ☐ Inadequate	☒ Yes ☐ No	☒ OK ☐ Damaged		☐ Clear ☐ Turbid	-broken hinge
MW-7	☒ OK ☐ Damaged	☒ OK ☐ Damaged	☒ OK ☐ Inadequate	☒ Yes ☐ No	☒ OK ☐ Damaged		☐ Clear ☐ Turbid	
MW-8	☒ OK ☐ Damaged	☒ OK ☐ Damaged	☒ OK ☐ Inadequate	☒ Yes ☐ No	☒ OK ☐ Damaged		☐ Clear ☐ Turbid	
MW-10	☒ OK ☐ Damaged	☒ OK ☐ Damaged	☒ OK ☐ Inadequate	☒ Yes ☐ No	☒ OK ☐ Damaged		☐ Clear ☐ Turbid	
MW-11	☐ OK N/A ☐ Damaged	☐ OK ☒ Damaged	☐ OK ☒ Inadequate	☐ Yes ☒ No	☐ OK N/A ☐ Damaged		☐ Clear ☐ Turbid	-Damaged (unable to sample)
MW-12	☒ OK ☐ Damaged	☒ OK ☐ Damaged	☒ OK ☐ Inadequate	☒ Yes ☐ No	☒ OK ☐ Damaged		☐ Clear ☐ Turbid	-pad covered
MW-13	☒ OK ☐ Damaged	☒ OK ☐ Damaged	☐ OK ☒ Inadequate	☒ Yes ☐ No	☒ OK ☐ Damaged		☐ Clear ☐ Turbid	-needs label -replaced lock -poured 1x1 pad
AMW-1S	☐ OK ☒ Damaged	☒ OK ☐ Damaged	☒ OK ☐ Inadequate	☐ Yes ☒ No	☒ OK ☐ Damaged		☐ Clear ☐ Turbid	-casing cap is damaged, well will not close
AMW-1D	☐ OK ☐ Damaged	☐ OK ☐ Damaged	☐ OK ☐ Inadequate	☐ Yes ☐ No	☐ OK ☐ Damaged		☐ Clear ☐ Turbid	
MW-2S	☐ OK ☐ Damaged	☐ OK ☐ Damaged	☐ OK ☐ Inadequate	☐ Yes ☐ No	☐ OK ☐ Damaged		☐ Clear ☐ Turbid	
AMW-2D	☐ OK ☐ Damaged	☐ OK ☐ Damaged	☐ OK ☐ Inadequate	☐ Yes ☐ No	☐ OK ☐ Damaged		☐ Clear ☐ Turbid	

* Note ponding water, weep holes, condition of surrounding area, including any disturbance of the ground since last inspection, evidence of contamination.

Signature: [illegible] Date: 9-22-11

Paul S Reed 12-7-11

APPENDIX B

SEPTEMBER 2011 GROUNDWATER AND SURFACE WATER CERTIFICATE-OF-ANALYSIS, CHAIN-OF-CUSTODY FORMS AND LABORATORY DATA REVIEW

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

Friday, October 7, 2011

Golder Associates, Inc. (GO007)

Attn: Dusty Reedy

5B Oak Branch Drive

Greensboro, NC 27407

RE: Laboratory Results for
Project Number: 0839-6506011.100, Project Name/Desc: Henderson Co. LF
ENCO Workorder: C110552

Dear Dusty Reedy,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, September 23, 2011.

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

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

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

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

Sincerely,

Stephanie Franz

Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 86.

www.encolabs.com

PROJECT NARRATIVE

Date: 07 October 2011
Client: Golder Associates, Inc. (GO007)
Project: Henderson Co. LF
Lab ID: C110552

Overview

Environmental Conservation Laboratories, Inc. (ENCO) analyzed all submitted samples in accordance with the methods referenced in the laboratory report. Any particular difficulties encountered during sample handling by ENCO are discussed in the QC Remarks section below.

Quality Control Samples

Precision between duplicate spikes of Dieldrin and Endrin were outside of control limits for the 8081B MS and MSD samples; however, the individual recoveries of these analytes were within acceptance criteria. The QC batch was approved based on acceptable LCS recovery of these analytes and completeness of the QC data.

The spike recovery of 2,4-D was outside of control limits for the 8151A MS and MSD samples. The QC batch was based on acceptable LCS recovery of this analyte.

The 8270D Continuing Calibration Verification sample (CCV) exhibited a high bias for 2,4-Dinitrophenol, 3-Nitroaniline,4-Chloroaniline, 4-Nitroaniline, 4-Nitrophenol, Benzo(a)pyrene, Benzo(g,h,i)perylene, Bis(2-chloroisopropyl)ether, and Kepone; however, these analytes were not detected in the associated samples, reducing the impact of the deviation.

The spike recoveries of Mercury and Silver were outside of control limits for the Post Spike samples. The QC batch were approved based on acceptable LCS recovery of these analytes and completeness of the QC data. The spike recoveries of Iron and Manganese were outside of control limits for the 6010C MSD sample. The QC batch were approved based on acceptable LCS recovery of these analytes.

The spike recovery of Sulfide was outside of control for the MS and MSD samples. The QC batch was approved based on acceptable LCS recovery of this analyte.

Quality Control Remarks

No Comments

Other Comments

All samples received under this work order arrived in acceptable conditions. The samples were not checked for residual chlorine, as it is not required.

The analytical data presented in this report are consistent with the methods as referenced in the analytical report. Any exceptions or deviations are noted in the QC remarks section of this narrative or in the Flags/Notes and Definitions section of the report.

Released By:
Environmental Conservation Laboratories, Inc.

Stephanie Franz
Project Manager

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: 4501-MW5 (Background) Lab ID: C110552-01 Sampled: 09/21/11 09:26 Received: 09/23/11 10:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	03/19/12	09/23/11 12:39	9/26/2011 11:51
EPA 6020A	03/19/12	09/23/11 12:50	9/27/2011 12:42
EPA 7470A	10/19/11	09/26/11 09:20	9/26/2011 14:36
EPA 8260B	10/05/11	09/28/11 07:55	9/28/2011 12:54

Client ID: 4501-MW6 Lab ID: C110552-02 Sampled: 09/22/11 10:32 Received: 09/23/11 10:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	03/20/12	09/23/11 12:39	9/26/2011 11:53
EPA 6020A	03/20/12	09/23/11 12:50	9/27/2011 12:46
EPA 7470A	10/20/11	09/26/11 09:20	9/26/2011 14:40
EPA 8260B	10/06/11	09/28/11 07:55	9/28/2011 13:24

Client ID: 4501-MW7 (MS/MSD) Lab ID: C110552-03 Sampled: 09/22/11 10:18 Received: 09/23/11 10:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	03/20/12	09/23/11 12:39	9/26/2011 11:42
EPA 6020A	03/20/12	09/23/11 12:50	9/27/2011 12:24
EPA 7470A	10/20/11	09/26/11 09:20	9/26/2011 14:19
EPA 8260B	10/06/11	09/28/11 07:55	9/28/2011 12:25

Client ID: 4501-MW8 Lab ID: C110552-04 Sampled: 09/22/11 09:52 Received: 09/23/11 10:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	03/20/12	09/23/11 12:39	9/26/2011 11:55
EPA 6020A	03/20/12	09/23/11 12:50	9/27/2011 12:50
EPA 7470A	10/20/11	09/26/11 09:20	9/26/2011 14:43
EPA 8260B	10/06/11	09/28/11 07:55	9/28/2011 13:53

Client ID: 4501-AMW1S Lab ID: C110552-06 Sampled: 09/21/11 11:18 Received: 09/23/11 10:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	03/19/12	09/23/11 12:39	9/26/2011 11:57
EPA 6020A	03/19/12	09/23/11 12:50	9/27/2011 12:53
EPA 7470A	10/19/11	09/26/11 09:20	9/26/2011 14:46
EPA 8260B	10/05/11	09/28/11 07:55	9/28/2011 14:22

Client ID: 4501-AMW1D Lab ID: C110552-07 Sampled: 09/21/11 11:25 Received: 09/23/11 10:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	03/19/12	09/23/11 12:39	9/26/2011 11:59
EPA 6020A	03/19/12	09/23/11 12:50	9/27/2011 12:57
EPA 7470A	10/19/11	09/26/11 09:20	9/26/2011 14:55
EPA 8260B	10/05/11	09/28/11 07:55	9/28/2011 14:51

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Client ID: 4501-AMW2S	Lab ID: C110552-08	Sampled: 09/21/11 11:40	Received: 09/23/11 10:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	03/19/12	09/23/11 12:39	9/26/2011 12:07
EPA 6020A	03/19/12	09/23/11 12:50	9/27/2011 13:08
EPA 7470A	10/19/11	09/26/11 09:20	9/26/2011 14:58
EPA 8260B	10/05/11	09/28/11 07:55	9/28/2011 15:20

Client ID: 4501-AMW2D	Lab ID: C110552-09	Sampled: 09/21/11 11:50	Received: 09/23/11 10:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	03/19/12	09/23/11 12:39	9/26/2011 12:09
EPA 6020A	03/19/12	09/23/11 12:50	9/27/2011 13:12
EPA 7470A	10/19/11	09/26/11 09:20	9/26/2011 15:00
EPA 8260B	10/05/11	09/28/11 07:55	9/28/2011 15:49

Client ID: 4501-BR1	Lab ID: C110552-10	Sampled: 09/22/11 10:02	Received: 09/23/11 10:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	03/20/12	09/23/11 12:39	9/26/2011 12:11
EPA 6020A	03/20/12	09/23/11 12:50	9/27/2011 13:15
EPA 8260B	10/06/11	09/28/11 07:55	9/28/2011 16:18

Client ID: 4501-BR2	Lab ID: C110552-11	Sampled: 09/21/11 15:30	Received: 09/23/11 10:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	03/19/12	09/23/11 12:39	9/26/2011 12:13
EPA 6020A	03/19/12	09/23/11 12:50	9/27/2011 13:19
EPA 8260B	10/05/11	09/28/11 08:44	9/29/2011 01:05

Client ID: 4501-BR3	Lab ID: C110552-12	Sampled: 09/21/11 15:02	Received: 09/23/11 10:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	03/19/12	09/23/11 12:39	9/26/2011 12:15
EPA 6020A	03/19/12	09/23/11 12:50	9/27/2011 13:22
EPA 8260B	10/05/11	09/28/11 08:44	9/29/2011 01:34

Client ID: 4501-SW1	Lab ID: C110552-13	Sampled: 09/22/11 10:55	Received: 09/23/11 10:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	03/20/12	09/23/11 12:39	9/26/2011 12:17
EPA 6020A	03/20/12	09/23/11 12:50	9/27/2011 13:26
EPA 8260B	10/06/11	09/28/11 08:44	9/29/2011 02:03

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Client ID: 4501-Field Blank	Lab ID: C110552-14	Sampled: 09/22/11 11:00	Received: 09/23/11 10:30

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 6010C	03/20/12		09/23/11	12:39	9/26/2011	12:19
EPA 6020A	03/20/12		09/23/11	12:50	9/27/2011	13:29
EPA 7470A	10/20/11		09/26/11	09:20	9/26/2011	15:03
EPA 8081B	09/29/11	11/05/11	09/26/11	06:10	9/28/2011	13:04
EPA 8082A	09/21/12	09/21/12	09/26/11	06:12	9/28/2011	13:04
EPA 8151A	09/29/11	11/06/11	09/27/11	17:30	9/30/2011	20:57
EPA 8260B	10/06/11		09/29/11	11:37	9/29/2011	20:45
EPA 8270D	09/29/11	11/06/11	09/27/11	03:42	10/7/2011	13:07
EPA 9014	10/06/11		09/28/11	10:13	9/28/2011	18:12
SM18 4500-S D	09/29/11		09/26/11	11:44	9/26/2011	11:57

Client ID: 4501-Trip Blank	Lab ID: C110552-15	Sampled: 09/21/11 09:26	Received: 09/23/11 10:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 8260B	10/05/11	09/29/11	11:37	9/29/2011	21:15

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NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: 4501-MW5 (Background) **Lab ID: C110552-01**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	40.2	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Copper - Total	4.10	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Vanadium - Total	2.21	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	9.32	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4501-MW6 **Lab ID: C110552-02**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,2-Dichlorobenzene	5.8		1	0.11	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	14		1	0.79	1.0	1	ug/L	EPA 8260B	
Acetone	310		1	1.2	5.0	100	ug/L	EPA 8260B	
Antimony - Total	0.478	J	1	0.220	2.00	6	ug/L	EPA 6020A	
Barium - Total	482		1	1.00	10.0	100	ug/L	EPA 6010C	
Benzene	4.6		1	0.68	1.0	1	ug/L	EPA 8260B	
Beryllium - Total	0.183	J	1	0.100	1.00	1	ug/L	EPA 6010C	
Chlorobenzene	8.1		1	0.74	1.0	3	ug/L	EPA 8260B	
Chromium - Total	6.75	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Cobalt - Total	3.73	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	12.8		1	1.60	10.0	10	ug/L	EPA 6010C	
Ethylbenzene	2.3		1	0.62	1.0	1	ug/L	EPA 8260B	
Lead - Total	15.5		1	1.90	10.0	10	ug/L	EPA 6010C	
Nickel - Total	4.59	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Silver - Total	3.73	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Toluene	2.8		1	0.85	1.0	1	ug/L	EPA 8260B	
Vanadium - Total	8.14	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Xylenes (Total)	3.6	J	1	2.1	3.0	5	ug/L	EPA 8260B	
Zinc - Total	44.1		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4501-MW7 (MS/MSD) **Lab ID: C110552-03**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	0.74	J	1	0.080	1.0	5	ug/L	EPA 8260B	
1,2-Dichlorobenzene	0.58	J	1	0.11	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	12		1	0.79	1.0	1	ug/L	EPA 8260B	
Antimony - Total	0.408	J	1	0.220	2.00	6	ug/L	EPA 6020A	
Arsenic - Total	5.48	J	1	2.80	10.0	10	ug/L	EPA 6010C	
Barium - Total	453		1	1.00	10.0	100	ug/L	EPA 6010C	
Benzene	1.4		1	0.68	1.0	1	ug/L	EPA 8260B	
Beryllium - Total	0.707	J	1	0.100	1.00	1	ug/L	EPA 6010C	
Cadmium - Total	0.666	J	1	0.360	1.00	1	ug/L	EPA 6010C	
Chlorobenzene	8.4		1	0.74	1.0	3	ug/L	EPA 8260B	
Chromium - Total	5.20	J	1	1.00	10.0	10	ug/L	EPA 6010C	
cis-1,2-Dichloroethene	5.6		1	0.72	1.0	5	ug/L	EPA 8260B	
Lead - Total	3.27	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Vanadium - Total	2.88	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Vinyl chloride	1.5		1	0.60	1.0	1	ug/L	EPA 8260B	
Zinc - Total	9.85	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4501-MW8 **Lab ID: C110552-04**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	1.7	J	1	0.080	1.0	5	ug/L	EPA 8260B	

Client ID: 4501-MW8 **Lab ID: C110552-04**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Antimony - Total	0.287	J	1	0.220	2.00	6	ug/L	EPA 6020A	
Arsenic - Total	6.93	J	1	2.80	10.0	10	ug/L	EPA 6010C	
Barium - Total	1370		1	1.00	10.0	100	ug/L	EPA 6010C	
Benzene	0.85	J	1	0.68	1.0	1	ug/L	EPA 8260B	
Beryllium - Total	1.13		1	0.100	1.00	1	ug/L	EPA 6010C	
Cadmium - Total	0.441	J	1	0.360	1.00	1	ug/L	EPA 6010C	
Chromium - Total	12.4		1	1.00	10.0	10	ug/L	EPA 6010C	
cis-1,2-Dichloroethene	2.9	J	1	0.72	1.0	5	ug/L	EPA 8260B	
Cobalt - Total	7.48	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	14.2		1	1.60	10.0	10	ug/L	EPA 6010C	
Lead - Total	18.5		1	1.90	10.0	10	ug/L	EPA 6010C	
Mercury - Total	0.683		1	0.170	0.200	0.2	ug/L	EPA 7470A	
Methylene chloride	3.4		1	0.14	1.0	1	ug/L	EPA 8260B	
Silver - Total	2.33	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Tetrachloroethene	2.8		1	0.73	1.0	1	ug/L	EPA 8260B	
Thallium - Total	1.53	J	1	0.110	1.00	5.5	ug/L	EPA 6020A	
Trichloroethene	1.1		1	0.72	1.0	1	ug/L	EPA 8260B	
Vanadium - Total	17.3	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Xylenes (Total)	2.5	J	1	2.1	3.0	5	ug/L	EPA 8260B	
Zinc - Total	430		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4501-AMW1S **Lab ID: C110552-06**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,4-Dichlorobenzene	0.93	J	1	0.79	1.0	1	ug/L	EPA 8260B	
Barium - Total	214		1	1.00	10.0	100	ug/L	EPA 6010C	
Beryllium - Total	1.37		1	0.100	1.00	1	ug/L	EPA 6010C	
Cadmium - Total	0.841	J	1	0.360	1.00	1	ug/L	EPA 6010C	
Chlorobenzene	1.4	J	1	0.74	1.0	3	ug/L	EPA 8260B	
Cobalt - Total	9.15	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Lead - Total	2.57	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Nickel - Total	2.04	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Zinc - Total	4.44	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4501-AMW1D **Lab ID: C110552-07**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	1.1	J	1	0.080	1.0	5	ug/L	EPA 8260B	
1,2-Dichlorobenzene	0.65	J	1	0.11	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	4.2		1	0.79	1.0	1	ug/L	EPA 8260B	
Barium - Total	12.2	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Benzene	1.2		1	0.68	1.0	1	ug/L	EPA 8260B	
Chlorobenzene	4.6		1	0.74	1.0	3	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	1.7	J	1	0.72	1.0	5	ug/L	EPA 8260B	
Vinyl chloride	0.76	J	1	0.60	1.0	1	ug/L	EPA 8260B	
Zinc - Total	11.7		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4501-AMW2S **Lab ID: C110552-08**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	1.4	J	1	0.080	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	1.2		1	0.79	1.0	1	ug/L	EPA 8260B	
Arsenic - Total	4.29	J	1	2.80	10.0	10	ug/L	EPA 6010C	
Barium - Total	14.0	J	1	1.00	10.0	100	ug/L	EPA 6010C	

Client ID: 4501-AMW2S **Lab ID: C110552-08**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Benzene	0.82	J	1	0.68	1.0	1	ug/L	EPA 8260B	
Beryllium - Total	0.138	J	1	0.100	1.00	1	ug/L	EPA 6010C	
Chlorobenzene	1.2	J	1	0.74	1.0	3	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	1.3	J	1	0.72	1.0	5	ug/L	EPA 8260B	
Mercury - Total	0.225		1	0.170	0.200	0.2	ug/L	EPA 7470A	
Vanadium - Total	11.1	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	14.2		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4501-AMW2D **Lab ID: C110552-09**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Arsenic - Total	3.03	J	1	2.80	10.0	10	ug/L	EPA 6010C	
Barium - Total	2.07	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Zinc - Total	4.57	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4501-BR1 **Lab ID: C110552-10**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	65.3	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total	1.29	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Cobalt - Total	3.22	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Zinc - Total	6.85	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4501-BR2 **Lab ID: C110552-11**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	7.0	J	1	1.2	5.0	100	ug/L	EPA 8260B	
Barium - Total	200		1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total	3.44	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Cobalt - Total	9.89	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	3.90	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Lead - Total	8.03	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Nickel - Total	2.97	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Vanadium - Total	8.61	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	22.1		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4501-BR3 **Lab ID: C110552-12**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Arsenic - Total	4.96	J	1	2.80	10.0	10	ug/L	EPA 6010C	
Barium - Total	253		1	1.00	10.0	100	ug/L	EPA 6010C	
Beryllium - Total	0.362	J	1	0.100	1.00	1	ug/L	EPA 6010C	
Chromium - Total	1.78	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Cobalt - Total	3.13	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	2.35	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Lead - Total	2.33	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Nickel - Total	2.71	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Zinc - Total	69.0		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4501-SW1 **Lab ID: C110552-13**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	52.5	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chromium - Total	1.06	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Cobalt - Total	2.29	J	1	1.10	10.0	10	ug/L	EPA 6010C	

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ANALYTICAL RESULTS

Description: 4501-MW5 (Background) **Lab Sample ID:** C110552-01 **Received:** 09/23/11 10:30

Matrix: Ground Water **Sampled:** 09/21/11 09:26 **Work Order:** C110552

Project: Henderson Co. LF **Sampled By:** Brent Freyer

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	09/28/11 12:54	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	09/28/11 12:54	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	09/28/11 12:54	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/28/11 12:54	JKG	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	09/28/11 12:54	JKG	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	09/28/11 12:54	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	09/28/11 12:54	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	09/28/11 12:54	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/28/11 12:54	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	09/28/11 12:54	JKG	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	09/28/11 12:54	JKG	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	09/28/11 12:54	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	09/28/11 12:54	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	09/28/11 12:54	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	09/28/11 12:54	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	09/28/11 12:54	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	09/28/11 12:54	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	09/28/11 12:54	JKG	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	09/28/11 12:54	JKG	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	09/28/11 12:54	JKG	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	09/28/11 12:54	JKG	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	09/28/11 12:54	JKG	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	09/28/11 12:54	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	09/28/11 12:54	JKG	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	09/28/11 12:54	JKG	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	09/28/11 12:54	JKG	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	09/28/11 12:54	JKG	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	09/28/11 12:54	JKG	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	09/28/11 12:54	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	09/28/11 12:54	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	09/28/11 12:54	JKG	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	09/28/11 12:54	JKG	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	09/28/11 12:54	JKG	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	09/28/11 12:54	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	09/28/11 12:54	JKG	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	09/28/11 12:54	JKG	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	09/28/11 12:54	JKG	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	09/28/11 12:54	JKG	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	09/28/11 12:54	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	09/28/11 12:54	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	09/28/11 12:54	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	09/28/11 12:54	JKG	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	09/28/11 12:54	JKG	

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Description: 4501-MW5 (Background) **Lab Sample ID:** C110552-01 **Received:** 09/23/11 10:30

Matrix: Ground Water **Sampled:** 09/21/11 09:26 **Work Order:** C110552

Project: Henderson Co. LF **Sampled By:** Brent Freyer

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/28/11 12:54	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	09/28/11 12:54	JKG	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	09/28/11 12:54	JKG	
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	09/28/11 12:54	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*48*	*1*	*50.0*	*95 %*	*51-122*	*1I28005*	*EPA 8260B*	*09/28/11 12:54*	*JKG*	
Dibromofluoromethane	*51*	*1*	*50.0*	*103 %*	*68-117*	*1I28005*	*EPA 8260B*	*09/28/11 12:54*	*JKG*	
Toluene-d8	*49*	*1*	*50.0*	*97 %*	*69-110*	*1I28005*	*EPA 8260B*	*09/28/11 12:54*	*JKG*	

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Description:	4501-MW5 (Background)	**Lab Sample ID:**	C110552-01	**Received:**	09/23/11 10:30
Matrix:	Ground Water	**Sampled:**	09/21/11 09:26	**Work Order:**	C110552
Project:	Henderson Co. LF	**Sampled By:**	Brent Freyer		

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	09/26/11 14:36	NLH	

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Description: 4501-MW5 (Background) **Lab Sample ID:** C110552-01 **Received:** 09/23/11 10:30

Matrix: Ground Water **Sampled:** 09/21/11 09:26 **Work Order:** C110552

Project: Henderson Co. LF **Sampled By:** Brent Freyer

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

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	09/27/11 12:42	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	09/26/11 11:51	JDH	
Barium [7440-39-3] ^	**40.2**	J	ug/L	1	1.00	10.0	100	EPA 6010C	09/26/11 11:51	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	09/26/11 11:51	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	09/26/11 11:51	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	09/26/11 11:51	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	09/26/11 11:51	JDH	
Copper [7440-50-8] ^	**4.10**	J	ug/L	1	1.60	10.0	10	EPA 6010C	09/26/11 11:51	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/26/11 11:51	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	09/26/11 11:51	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	09/26/11 11:51	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/26/11 11:51	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	09/27/11 12:42	VLO	
Vanadium [7440-62-2] ^	**2.21**	J	ug/L	1	1.40	10.0	25	EPA 6010C	09/26/11 11:51	JDH	
Zinc [7440-66-6] ^	**9.32**	J	ug/L	1	3.80	10.0	10	EPA 6010C	09/26/11 11:51	JDH	

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

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Description: 4501-MW6 | **Lab Sample ID:** C110552-02 | **Received:** 09/23/11 10:30

Matrix: Ground Water | **Sampled:** 09/22/11 10:32 | **Work Order:** C110552

Project: Henderson Co. LF | **Sampled By:** Brent Freyer

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	09/28/11 13:24	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	09/28/11 13:24	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	09/28/11 13:24	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/28/11 13:24	JKG	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	09/28/11 13:24	JKG	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	09/28/11 13:24	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	09/28/11 13:24	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	09/28/11 13:24	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/28/11 13:24	JKG	
1,2-Dichlorobenzene [95-50-1] ^	**5.8**		ug/L	1	0.11	1.0	5	EPA 8260B	09/28/11 13:24	JKG	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	09/28/11 13:24	JKG	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	09/28/11 13:24	JKG	
1,4-Dichlorobenzene [106-46-7] ^	**14**		ug/L	1	0.79	1.0	1	EPA 8260B	09/28/11 13:24	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	09/28/11 13:24	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	09/28/11 13:24	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	09/28/11 13:24	JKG	
Acetone [67-64-1] ^	**310**		ug/L	1	1.2	5.0	100	EPA 8260B	09/28/11 13:24	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	09/28/11 13:24	JKG	
Benzene [71-43-2] ^	**4.6**		ug/L	1	0.68	1.0	1	EPA 8260B	09/28/11 13:24	JKG	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	09/28/11 13:24	JKG	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	09/28/11 13:24	JKG	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	09/28/11 13:24	JKG	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	09/28/11 13:24	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	09/28/11 13:24	JKG	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	09/28/11 13:24	JKG	
Chlorobenzene [108-90-7] ^	**8.1**		ug/L	1	0.74	1.0	3	EPA 8260B	09/28/11 13:24	JKG	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	09/28/11 13:24	JKG	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	09/28/11 13:24	JKG	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	09/28/11 13:24	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	09/28/11 13:24	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	09/28/11 13:24	JKG	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	09/28/11 13:24	JKG	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	09/28/11 13:24	JKG	
Ethylbenzene [100-41-4] ^	**2.3**		ug/L	1	0.62	1.0	1	EPA 8260B	09/28/11 13:24	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	09/28/11 13:24	JKG	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	09/28/11 13:24	JKG	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	09/28/11 13:24	JKG	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	09/28/11 13:24	JKG	
Toluene [108-88-3] ^	**2.8**		ug/L	1	0.85	1.0	1	EPA 8260B	09/28/11 13:24	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	09/28/11 13:24	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	09/28/11 13:24	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	09/28/11 13:24	JKG	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	09/28/11 13:24	JKG	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/28/11 13:24	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	09/28/11 13:24	JKG	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	09/28/11 13:24	JKG	

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Description: 4501-MW6 | **Lab Sample ID:** C110552-02 | **Received:** 09/23/11 10:30

Matrix: Ground Water | **Sampled:** 09/22/11 10:32 | **Work Order:** C110552

Project: Henderson Co. LF | **Sampled By:** Brent Freyer

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	**3.6**	J	ug/L	1	2.1	3.0	5	EPA 8260B	09/28/11 13:24	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*47*	*1*	*50.0*	*94 %*	*51-122*	*1I28005*	*EPA 8260B*	*09/28/11 13:24*	*JKG*	
Dibromofluoromethane	*50*	*1*	*50.0*	*100 %*	*68-117*	*1I28005*	*EPA 8260B*	*09/28/11 13:24*	*JKG*	
Toluene-d8	*46*	*1*	*50.0*	*92 %*	*69-110*	*1I28005*	*EPA 8260B*	*09/28/11 13:24*	*JKG*	

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Description: 4501-MW6
Matrix: Ground Water
Project: Henderson Co. LF

Lab Sample ID: C110552-02
Sampled: 09/22/11 10:32
Sampled By: Brent Freyer

Received: 09/23/11 10:30
Work Order: C110552

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	09/26/11 14:40	NLH	

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Description: 4501-MW6 | **Lab Sample ID:** C110552-02 | **Received:** 09/23/11 10:30

Matrix: Ground Water | **Sampled:** 09/22/11 10:32 | **Work Order:** C110552

Project: Henderson Co. LF | **Sampled By:** Brent Freyer

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

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	**0.478**	J	ug/L	1	0.220	2.00	6	EPA 6020A	09/27/11 12:46	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	09/26/11 11:53	JDH	
Barium [7440-39-3] ^	**482**		ug/L	1	1.00	10.0	100	EPA 6010C	09/26/11 11:53	JDH	
Beryllium [7440-41-7] ^	**0.183**	J	ug/L	1	0.100	1.00	1	EPA 6010C	09/26/11 11:53	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	09/26/11 11:53	JDH	
Chromium [7440-47-3] ^	**6.75**	J	ug/L	1	1.00	10.0	10	EPA 6010C	09/26/11 11:53	JDH	
Cobalt [7440-48-4] ^	**3.73**	J	ug/L	1	1.10	10.0	10	EPA 6010C	09/26/11 11:53	JDH	
Copper [7440-50-8] ^	**12.8**		ug/L	1	1.60	10.0	10	EPA 6010C	09/26/11 11:53	JDH	
Lead [7439-92-1] ^	**15.5**		ug/L	1	1.90	10.0	10	EPA 6010C	09/26/11 11:53	JDH	
Nickel [7440-02-0] ^	**4.59**	J	ug/L	1	1.80	10.0	50	EPA 6010C	09/26/11 11:53	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	09/26/11 11:53	JDH	
Silver [7440-22-4] ^	**3.73**	J	ug/L	1	1.90	10.0	10	EPA 6010C	09/26/11 11:53	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	09/27/11 12:46	VLO	
Vanadium [7440-62-2] ^	**8.14**	J	ug/L	1	1.40	10.0	25	EPA 6010C	09/26/11 11:53	JDH	
Zinc [7440-66-6] ^	**44.1**		ug/L	1	3.80	10.0	10	EPA 6010C	09/26/11 11:53	JDH	

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

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Description: 4501-MW7 (MS/MSD) | **Lab Sample ID:** C110552-03 | **Received:** 09/23/11 10:30

Matrix: Ground Water | **Sampled:** 09/22/11 10:18 | **Work Order:** C110552

Project: Henderson Co. LF | **Sampled By:** Brent Freyer

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	09/28/11 12:25	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	09/28/11 12:25	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	09/28/11 12:25	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/28/11 12:25	JKG	
1,1-Dichloroethane [75-34-3] ^	**0.74**	J	ug/L	1	0.080	1.0	5	EPA 8260B	09/28/11 12:25	JKG	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	09/28/11 12:25	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	09/28/11 12:25	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	09/28/11 12:25	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/28/11 12:25	JKG	
1,2-Dichlorobenzene [95-50-1] ^	**0.58**	J	ug/L	1	0.11	1.0	5	EPA 8260B	09/28/11 12:25	JKG	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	09/28/11 12:25	JKG	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	09/28/11 12:25	JKG	
1,4-Dichlorobenzene [106-46-7] ^	**12**		ug/L	1	0.79	1.0	1	EPA 8260B	09/28/11 12:25	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	09/28/11 12:25	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	09/28/11 12:25	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	09/28/11 12:25	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	09/28/11 12:25	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	09/28/11 12:25	JKG	
Benzene [71-43-2] ^	**1.4**		ug/L	1	0.68	1.0	1	EPA 8260B	09/28/11 12:25	JKG	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	09/28/11 12:25	JKG	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	09/28/11 12:25	JKG	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	09/28/11 12:25	JKG	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	09/28/11 12:25	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	09/28/11 12:25	JKG	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	09/28/11 12:25	JKG	
Chlorobenzene [108-90-7] ^	**8.4**		ug/L	1	0.74	1.0	3	EPA 8260B	09/28/11 12:25	JKG	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	09/28/11 12:25	JKG	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	09/28/11 12:25	JKG	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	09/28/11 12:25	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	**5.6**		ug/L	1	0.72	1.0	5	EPA 8260B	09/28/11 12:25	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	09/28/11 12:25	JKG	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	09/28/11 12:25	JKG	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	09/28/11 12:25	JKG	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	09/28/11 12:25	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	09/28/11 12:25	JKG	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	09/28/11 12:25	JKG	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	09/28/11 12:25	JKG	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	09/28/11 12:25	JKG	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	09/28/11 12:25	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	09/28/11 12:25	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	09/28/11 12:25	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	09/28/11 12:25	JKG	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	09/28/11 12:25	JKG	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/28/11 12:25	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	09/28/11 12:25	JKG	
Vinyl chloride [75-01-4] ^	**1.5**		ug/L	1	0.60	1.0	1	EPA 8260B	09/28/11 12:25	JKG	

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Description: 4501-MW7 (MS/MSD) | **Lab Sample ID:** C110552-03 | **Received:** 09/23/11 10:30

Matrix: Ground Water | **Sampled:** 09/22/11 10:18 | **Work Order:** C110552

Project: Henderson Co. LF | **Sampled By:** Brent Freyer

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	09/28/11 12:25	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*46*	*1*	*50.0*	*93 %*	*51-122*	*1I28005*	*EPA 8260B*	*09/28/11 12:25*	*JKG*	
Dibromofluoromethane	*51*	*1*	*50.0*	*102 %*	*68-117*	*1I28005*	*EPA 8260B*	*09/28/11 12:25*	*JKG*	
Toluene-d8	*47*	*1*	*50.0*	*94 %*	*69-110*	*1I28005*	*EPA 8260B*	*09/28/11 12:25*	*JKG*	

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Description:	4501-MW7 (MS/MSD)	**Lab Sample ID:**	C110552-03	**Received:**	09/23/11 10:30
Matrix:	Ground Water	**Sampled:**	09/22/11 10:18	**Work Order:**	C110552
Project:	Henderson Co. LF	**Sampled By:**	Brent Freyer		

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	09/26/11 14:19	NLH	

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Description: 4501-MW7 (MS/MSD) **Lab Sample ID:** C110552-03 **Received:** 09/23/11 10:30

Matrix: Ground Water **Sampled:** 09/22/11 10:18 **Work Order:** C110552

Project: Henderson Co. LF **Sampled By:** Brent Freyer

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

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	**0.408**	J	ug/L	1	0.220	2.00	6	EPA 6020A	09/27/11 12:24	VLO	
Arsenic [7440-38-2] ^	**5.48**	J	ug/L	1	2.80	10.0	10	EPA 6010C	09/26/11 11:42	JDH	
Barium [7440-39-3] ^	**453**		ug/L	1	1.00	10.0	100	EPA 6010C	09/26/11 11:42	JDH	
Beryllium [7440-41-7] ^	**0.707**	J	ug/L	1	0.100	1.00	1	EPA 6010C	09/26/11 11:42	JDH	
Cadmium [7440-43-9] ^	**0.666**	J	ug/L	1	0.360	1.00	1	EPA 6010C	09/26/11 11:42	JDH	
Chromium [7440-47-3] ^	**5.20**	J	ug/L	1	1.00	10.0	10	EPA 6010C	09/26/11 11:42	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	09/26/11 11:42	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	09/26/11 11:42	JDH	
Lead [7439-92-1] ^	**3.27**	J	ug/L	1	1.90	10.0	10	EPA 6010C	09/26/11 11:42	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	09/26/11 11:42	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	09/26/11 11:42	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/26/11 11:42	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	09/27/11 12:24	VLO	
Vanadium [7440-62-2] ^	**2.88**	J	ug/L	1	1.40	10.0	25	EPA 6010C	09/26/11 11:42	JDH	
Zinc [7440-66-6] ^	**9.85**	J	ug/L	1	3.80	10.0	10	EPA 6010C	09/26/11 11:42	JDH	

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Description: 4501-MW8 | **Lab Sample ID:** C110552-04 | **Received:** 09/23/11 10:30

Matrix: Ground Water | **Sampled:** 09/22/11 09:52 | **Work Order:** C110552

Project: Henderson Co. LF | **Sampled By:** Brent Freyer

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	09/28/11 13:53	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	09/28/11 13:53	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	09/28/11 13:53	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/28/11 13:53	JKG	
1,1-Dichloroethane [75-34-3] ^	**1.7**	J	ug/L	1	0.080	1.0	5	EPA 8260B	09/28/11 13:53	JKG	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	09/28/11 13:53	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	09/28/11 13:53	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	09/28/11 13:53	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/28/11 13:53	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	09/28/11 13:53	JKG	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	09/28/11 13:53	JKG	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	09/28/11 13:53	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	09/28/11 13:53	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	09/28/11 13:53	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	09/28/11 13:53	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	09/28/11 13:53	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	09/28/11 13:53	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	09/28/11 13:53	JKG	
Benzene [71-43-2] ^	**0.85**	J	ug/L	1	0.68	1.0	1	EPA 8260B	09/28/11 13:53	JKG	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	09/28/11 13:53	JKG	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	09/28/11 13:53	JKG	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	09/28/11 13:53	JKG	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	09/28/11 13:53	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	09/28/11 13:53	JKG	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	09/28/11 13:53	JKG	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	09/28/11 13:53	JKG	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	09/28/11 13:53	JKG	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	09/28/11 13:53	JKG	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	09/28/11 13:53	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	**2.9**	J	ug/L	1	0.72	1.0	5	EPA 8260B	09/28/11 13:53	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	09/28/11 13:53	JKG	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	09/28/11 13:53	JKG	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	09/28/11 13:53	JKG	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	09/28/11 13:53	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	09/28/11 13:53	JKG	
Methylene chloride [75-09-2] ^	**3.4**		ug/L	1	0.14	1.0	1	EPA 8260B	09/28/11 13:53	JKG	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	09/28/11 13:53	JKG	
Tetrachloroethene [127-18-4] ^	**2.8**		ug/L	1	0.73	1.0	1	EPA 8260B	09/28/11 13:53	JKG	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	09/28/11 13:53	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	09/28/11 13:53	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	09/28/11 13:53	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	09/28/11 13:53	JKG	
Trichloroethene [79-01-6] ^	**1.1**		ug/L	1	0.72	1.0	1	EPA 8260B	09/28/11 13:53	JKG	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/28/11 13:53	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	09/28/11 13:53	JKG	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	09/28/11 13:53	JKG	

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Description: 4501-MW8 | **Lab Sample ID:** C110552-04 | **Received:** 09/23/11 10:30

Matrix: Ground Water | **Sampled:** 09/22/11 09:52 | **Work Order:** C110552

Project: Henderson Co. LF | **Sampled By:** Brent Freyer

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	**2.5**	J	ug/L	1	2.1	3.0	5	EPA 8260B	09/28/11 13:53	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*47*	*1*	*50.0*	*93 %*	*51-122*	*1I28005*	*EPA 8260B*	*09/28/11 13:53*	*JKG*	
Dibromofluoromethane	*50*	*1*	*50.0*	*99 %*	*68-117*	*1I28005*	*EPA 8260B*	*09/28/11 13:53*	*JKG*	
Toluene-d8	*47*	*1*	*50.0*	*94 %*	*69-110*	*1I28005*	*EPA 8260B*	*09/28/11 13:53*	*JKG*	

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Description: 4501-MW8 | **Lab Sample ID:** C110552-04 | **Received:** 09/23/11 10:30

Matrix: Ground Water | **Sampled:** 09/22/11 09:52 | **Work Order:** C110552

Project: Henderson Co. LF | **Sampled By:** Brent Freyer

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	**0.683**		ug/L	1	0.170	0.200	0.2	EPA 7470A	09/26/11 14:43	NLH	

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Description: 4501-MW8 | **Lab Sample ID:** C110552-04 | **Received:** 09/23/11 10:30

Matrix: Ground Water | **Sampled:** 09/22/11 09:52 | **Work Order:** C110552

Project: Henderson Co. LF | **Sampled By:** Brent Freyer

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

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	**0.287**	J	ug/L	1	0.220	2.00	6	EPA 6020A	09/27/11 12:50	VLO	
Arsenic [7440-38-2] ^	**6.93**	J	ug/L	1	2.80	10.0	10	EPA 6010C	09/26/11 11:55	JDH	
Barium [7440-39-3] ^	**1370**		ug/L	1	1.00	10.0	100	EPA 6010C	09/26/11 11:55	JDH	
Beryllium [7440-41-7] ^	**1.13**		ug/L	1	0.100	1.00	1	EPA 6010C	09/26/11 11:55	JDH	
Cadmium [7440-43-9] ^	**0.441**	J	ug/L	1	0.360	1.00	1	EPA 6010C	09/26/11 11:55	JDH	
Chromium [7440-47-3] ^	**12.4**		ug/L	1	1.00	10.0	10	EPA 6010C	09/26/11 11:55	JDH	
Cobalt [7440-48-4] ^	**7.48**	J	ug/L	1	1.10	10.0	10	EPA 6010C	09/26/11 11:55	JDH	
Copper [7440-50-8] ^	**14.2**		ug/L	1	1.60	10.0	10	EPA 6010C	09/26/11 11:55	JDH	
Lead [7439-92-1] ^	**18.5**		ug/L	1	1.90	10.0	10	EPA 6010C	09/26/11 11:55	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	09/26/11 11:55	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	09/26/11 11:55	JDH	
Silver [7440-22-4] ^	**2.33**	J	ug/L	1	1.90	10.0	10	EPA 6010C	09/26/11 11:55	JDH	
Thallium [7440-28-0] ^	**1.53**	J	ug/L	1	0.110	1.00	5.5	EPA 6020A	09/27/11 12:50	VLO	
Vanadium [7440-62-2] ^	**17.3**	J	ug/L	1	1.40	10.0	25	EPA 6010C	09/26/11 11:55	JDH	
Zinc [7440-66-6] ^	**430**		ug/L	1	3.80	10.0	10	EPA 6010C	09/26/11 11:55	JDH	

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

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Description: 4501-AMW1S
Matrix: Ground Water
Project: Henderson Co. LF

Lab Sample ID: C110552-06
Sampled: 09/21/11 11:18
Sampled By: Brent Freyer

Received: 09/23/11 10:30
Work Order: C110552

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	09/28/11 14:22	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	09/28/11 14:22	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	09/28/11 14:22	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/28/11 14:22	JKG	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	09/28/11 14:22	JKG	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	09/28/11 14:22	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	09/28/11 14:22	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	09/28/11 14:22	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/28/11 14:22	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	09/28/11 14:22	JKG	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	09/28/11 14:22	JKG	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	09/28/11 14:22	JKG	
1,4-Dichlorobenzene [106-46-7] ^	**0.93**	J	ug/L	1	0.79	1.0	1	EPA 8260B	09/28/11 14:22	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	09/28/11 14:22	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	09/28/11 14:22	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	09/28/11 14:22	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	09/28/11 14:22	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	09/28/11 14:22	JKG	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	09/28/11 14:22	JKG	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	09/28/11 14:22	JKG	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	09/28/11 14:22	JKG	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	09/28/11 14:22	JKG	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	09/28/11 14:22	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	09/28/11 14:22	JKG	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	09/28/11 14:22	JKG	
Chlorobenzene [108-90-7] ^	**1.4**	J	ug/L	1	0.74	1.0	3	EPA 8260B	09/28/11 14:22	JKG	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	09/28/11 14:22	JKG	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	09/28/11 14:22	JKG	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	09/28/11 14:22	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	09/28/11 14:22	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	09/28/11 14:22	JKG	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	09/28/11 14:22	JKG	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	09/28/11 14:22	JKG	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	09/28/11 14:22	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	09/28/11 14:22	JKG	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	09/28/11 14:22	JKG	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	09/28/11 14:22	JKG	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	09/28/11 14:22	JKG	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	09/28/11 14:22	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	09/28/11 14:22	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	09/28/11 14:22	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	09/28/11 14:22	JKG	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	09/28/11 14:22	JKG	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/28/11 14:22	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	09/28/11 14:22	JKG	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	09/28/11 14:22	JKG	

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Description: 4501-AMW1S
Matrix: Ground Water
Project: Henderson Co. LF

Lab Sample ID: C110552-06
Sampled: 09/21/11 11:18
Sampled By: Brent Freyer

Received: 09/23/11 10:30
Work Order: C110552

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	09/28/11 14:22	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*47*	*1*	*50.0*	*94 %*	*51-122*	*1I28005*	*EPA 8260B*	*09/28/11 14:22*	*JKG*	
Dibromofluoromethane	*54*	*1*	*50.0*	*107 %*	*68-117*	*1I28005*	*EPA 8260B*	*09/28/11 14:22*	*JKG*	
Toluene-d8	*48*	*1*	*50.0*	*96 %*	*69-110*	*1I28005*	*EPA 8260B*	*09/28/11 14:22*	*JKG*	

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Description: 4501-AMW1S
Matrix: Ground Water
Project: Henderson Co. LF

Lab Sample ID: C110552-06
Sampled: 09/21/11 11:18
Sampled By: Brent Freyer

Received: 09/23/11 10:30
Work Order: C110552

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	09/26/11 14:46	NLH	

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Description: 4501-AMW1S
Matrix: Ground Water
Project: Henderson Co. LF

Lab Sample ID: C110552-06
Sampled: 09/21/11 11:18
Sampled By: Brent Freyer

Received: 09/23/11 10:30
Work Order: C110552

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

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	09/27/11 12:53	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	09/26/11 11:57	JDH	
Barium [7440-39-3] ^	**214**		ug/L	1	1.00	10.0	100	EPA 6010C	09/26/11 11:57	JDH	
Beryllium [7440-41-7] ^	**1.37**		ug/L	1	0.100	1.00	1	EPA 6010C	09/26/11 11:57	JDH	
Cadmium [7440-43-9] ^	**0.841**	J	ug/L	1	0.360	1.00	1	EPA 6010C	09/26/11 11:57	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	09/26/11 11:57	JDH	
Cobalt [7440-48-4] ^	**9.15**	J	ug/L	1	1.10	10.0	10	EPA 6010C	09/26/11 11:57	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	09/26/11 11:57	JDH	
Lead [7439-92-1] ^	**2.57**	J	ug/L	1	1.90	10.0	10	EPA 6010C	09/26/11 11:57	JDH	
Nickel [7440-02-0] ^	**2.04**	J	ug/L	1	1.80	10.0	50	EPA 6010C	09/26/11 11:57	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	09/26/11 11:57	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/26/11 11:57	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	09/27/11 12:53	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	09/26/11 11:57	JDH	
Zinc [7440-66-6] ^	**4.44**	J	ug/L	1	3.80	10.0	10	EPA 6010C	09/26/11 11:57	JDH	

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Description: 4501-AMW1D
Matrix: Ground Water
Project: Henderson Co. LF

Lab Sample ID: C110552-07
Sampled: 09/21/11 11:25
Sampled By: Brent Freyer

Received: 09/23/11 10:30
Work Order: C110552

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	09/28/11 14:51	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	09/28/11 14:51	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	09/28/11 14:51	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/28/11 14:51	JKG	
1,1-Dichloroethane [75-34-3] ^	**1.1**	J	ug/L	1	0.080	1.0	5	EPA 8260B	09/28/11 14:51	JKG	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	09/28/11 14:51	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	09/28/11 14:51	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	09/28/11 14:51	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/28/11 14:51	JKG	
1,2-Dichlorobenzene [95-50-1] ^	**0.65**	J	ug/L	1	0.11	1.0	5	EPA 8260B	09/28/11 14:51	JKG	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	09/28/11 14:51	JKG	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	09/28/11 14:51	JKG	
1,4-Dichlorobenzene [106-46-7] ^	**4.2**		ug/L	1	0.79	1.0	1	EPA 8260B	09/28/11 14:51	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	09/28/11 14:51	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	09/28/11 14:51	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	09/28/11 14:51	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	09/28/11 14:51	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	09/28/11 14:51	JKG	
Benzene [71-43-2] ^	**1.2**		ug/L	1	0.68	1.0	1	EPA 8260B	09/28/11 14:51	JKG	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	09/28/11 14:51	JKG	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	09/28/11 14:51	JKG	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	09/28/11 14:51	JKG	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	09/28/11 14:51	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	09/28/11 14:51	JKG	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	09/28/11 14:51	JKG	
Chlorobenzene [108-90-7] ^	**4.6**		ug/L	1	0.74	1.0	3	EPA 8260B	09/28/11 14:51	JKG	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	09/28/11 14:51	JKG	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	09/28/11 14:51	JKG	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	09/28/11 14:51	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	**1.7**	J	ug/L	1	0.72	1.0	5	EPA 8260B	09/28/11 14:51	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	09/28/11 14:51	JKG	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	09/28/11 14:51	JKG	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	09/28/11 14:51	JKG	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	09/28/11 14:51	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	09/28/11 14:51	JKG	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	09/28/11 14:51	JKG	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	09/28/11 14:51	JKG	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	09/28/11 14:51	JKG	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	09/28/11 14:51	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	09/28/11 14:51	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	09/28/11 14:51	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	09/28/11 14:51	JKG	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	09/28/11 14:51	JKG	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/28/11 14:51	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	09/28/11 14:51	JKG	
Vinyl chloride [75-01-4] ^	**0.76**	J	ug/L	1	0.60	1.0	1	EPA 8260B	09/28/11 14:51	JKG	

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Description: 4501-AMW1D
Matrix: Ground Water
Project: Henderson Co. LF

Lab Sample ID: C110552-07
Sampled: 09/21/11 11:25
Sampled By: Brent Freyer

Received: 09/23/11 10:30
Work Order: C110552

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	09/28/11 14:51	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*46*	*1*	*50.0*	*92 %*	*51-122*	*1I28005*	*EPA 8260B*	*09/28/11 14:51*	*JKG*	
Dibromofluoromethane	*51*	*1*	*50.0*	*103 %*	*68-117*	*1I28005*	*EPA 8260B*	*09/28/11 14:51*	*JKG*	
Toluene-d8	*47*	*1*	*50.0*	*93 %*	*69-110*	*1I28005*	*EPA 8260B*	*09/28/11 14:51*	*JKG*	

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Description: 4501-AMW1D
Matrix: Ground Water
Project: Henderson Co. LF

Lab Sample ID: C110552-07
Sampled: 09/21/11 11:25
Sampled By: Brent Freyer

Received: 09/23/11 10:30
Work Order: C110552

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	09/26/11 14:55	NLH	

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Description: 4501-AMW1D
Matrix: Ground Water
Project: Henderson Co. LF

Lab Sample ID: C110552-07
Sampled: 09/21/11 11:25
Sampled By: Brent Freyer

Received: 09/23/11 10:30
Work Order: C110552

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

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	09/27/11 12:57	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	09/26/11 11:59	JDH	
Barium [7440-39-3] ^	**12.2**	J	ug/L	1	1.00	10.0	100	EPA 6010C	09/26/11 11:59	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	09/26/11 11:59	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	09/26/11 11:59	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	09/26/11 11:59	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	09/26/11 11:59	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	09/26/11 11:59	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/26/11 11:59	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	09/26/11 11:59	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	09/26/11 11:59	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/26/11 11:59	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	09/27/11 12:57	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	09/26/11 11:59	JDH	
Zinc [7440-66-6] ^	**11.7**		ug/L	1	3.80	10.0	10	EPA 6010C	09/26/11 11:59	JDH	

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

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Description: 4501-AMW2S
Matrix: Ground Water
Project: Henderson Co. LF

Lab Sample ID: C110552-08
Sampled: 09/21/11 11:40
Sampled By: Brent Freyer

Received: 09/23/11 10:30
Work Order: C110552

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	09/28/11 15:20	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	09/28/11 15:20	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	09/28/11 15:20	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/28/11 15:20	JKG	
1,1-Dichloroethane [75-34-3] ^	**1.4**	J	ug/L	1	0.080	1.0	5	EPA 8260B	09/28/11 15:20	JKG	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	09/28/11 15:20	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	09/28/11 15:20	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	09/28/11 15:20	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/28/11 15:20	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	09/28/11 15:20	JKG	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	09/28/11 15:20	JKG	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	09/28/11 15:20	JKG	
1,4-Dichlorobenzene [106-46-7] ^	**1.2**		ug/L	1	0.79	1.0	1	EPA 8260B	09/28/11 15:20	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	09/28/11 15:20	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	09/28/11 15:20	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	09/28/11 15:20	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	09/28/11 15:20	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	09/28/11 15:20	JKG	
Benzene [71-43-2] ^	**0.82**	J	ug/L	1	0.68	1.0	1	EPA 8260B	09/28/11 15:20	JKG	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	09/28/11 15:20	JKG	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	09/28/11 15:20	JKG	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	09/28/11 15:20	JKG	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	09/28/11 15:20	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	09/28/11 15:20	JKG	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	09/28/11 15:20	JKG	
Chlorobenzene [108-90-7] ^	**1.2**	J	ug/L	1	0.74	1.0	3	EPA 8260B	09/28/11 15:20	JKG	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	09/28/11 15:20	JKG	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	09/28/11 15:20	JKG	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	09/28/11 15:20	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	**1.3**	J	ug/L	1	0.72	1.0	5	EPA 8260B	09/28/11 15:20	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	09/28/11 15:20	JKG	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	09/28/11 15:20	JKG	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	09/28/11 15:20	JKG	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	09/28/11 15:20	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	09/28/11 15:20	JKG	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	09/28/11 15:20	JKG	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	09/28/11 15:20	JKG	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	09/28/11 15:20	JKG	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	09/28/11 15:20	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	09/28/11 15:20	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	09/28/11 15:20	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	09/28/11 15:20	JKG	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	09/28/11 15:20	JKG	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/28/11 15:20	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	09/28/11 15:20	JKG	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	09/28/11 15:20	JKG	

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Description: 4501-AMW2S
Matrix: Ground Water
Project: Henderson Co. LF

Lab Sample ID: C110552-08
Sampled: 09/21/11 11:40
Sampled By: Brent Freyer

Received: 09/23/11 10:30
Work Order: C110552

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	09/28/11 15:20	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*47*	*1*	*50.0*	*94 %*	*51-122*	*1I28005*	*EPA 8260B*	*09/28/11 15:20*	*JKG*	
Dibromofluoromethane	*54*	*1*	*50.0*	*108 %*	*68-117*	*1I28005*	*EPA 8260B*	*09/28/11 15:20*	*JKG*	
Toluene-d8	*49*	*1*	*50.0*	*97 %*	*69-110*	*1I28005*	*EPA 8260B*	*09/28/11 15:20*	*JKG*	

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Description:	4501-AMW2S	**Lab Sample ID:**	C110552-08	**Received:**	09/23/11 10:30
Matrix:	Ground Water	**Sampled:**	09/21/11 11:40	**Work Order:**	C110552
Project:	Henderson Co. LF	**Sampled By:**	Brent Freyer		

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	**0.225**		ug/L	1	0.170	0.200	0.2	EPA 7470A	09/26/11 14:58	NLH	

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Description: 4501-AMW2S
Matrix: Ground Water
Project: Henderson Co. LF

Lab Sample ID: C110552-08
Sampled: 09/21/11 11:40
Sampled By: Brent Freyer

Received: 09/23/11 10:30
Work Order: C110552

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

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	09/27/11 13:08	VLO	
Arsenic [7440-38-2] ^	**4.29**	J	ug/L	1	2.80	10.0	10	EPA 6010C	09/26/11 12:07	JDH	
Barium [7440-39-3] ^	**14.0**	J	ug/L	1	1.00	10.0	100	EPA 6010C	09/26/11 12:07	JDH	
Beryllium [7440-41-7] ^	**0.138**	J	ug/L	1	0.100	1.00	1	EPA 6010C	09/26/11 12:07	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	09/26/11 12:07	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	09/26/11 12:07	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	09/26/11 12:07	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	09/26/11 12:07	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/26/11 12:07	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	09/26/11 12:07	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	09/26/11 12:07	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/26/11 12:07	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	09/27/11 13:08	VLO	
Vanadium [7440-62-2] ^	**11.1**	J	ug/L	1	1.40	10.0	25	EPA 6010C	09/26/11 12:07	JDH	
Zinc [7440-66-6] ^	**14.2**		ug/L	1	3.80	10.0	10	EPA 6010C	09/26/11 12:07	JDH	

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Description: 4501-AMW2D
Matrix: Ground Water
Project: Henderson Co. LF

Lab Sample ID: C110552-09
Sampled: 09/21/11 11:50
Sampled By: Brent Freyer

Received: 09/23/11 10:30
Work Order: C110552

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	09/28/11 15:49	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	09/28/11 15:49	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	09/28/11 15:49	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/28/11 15:49	JKG	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	09/28/11 15:49	JKG	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	09/28/11 15:49	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	09/28/11 15:49	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	09/28/11 15:49	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/28/11 15:49	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	09/28/11 15:49	JKG	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	09/28/11 15:49	JKG	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	09/28/11 15:49	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	09/28/11 15:49	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	09/28/11 15:49	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	09/28/11 15:49	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	09/28/11 15:49	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	09/28/11 15:49	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	09/28/11 15:49	JKG	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	09/28/11 15:49	JKG	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	09/28/11 15:49	JKG	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	09/28/11 15:49	JKG	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	09/28/11 15:49	JKG	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	09/28/11 15:49	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	09/28/11 15:49	JKG	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	09/28/11 15:49	JKG	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	09/28/11 15:49	JKG	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	09/28/11 15:49	JKG	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	09/28/11 15:49	JKG	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	09/28/11 15:49	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	09/28/11 15:49	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	09/28/11 15:49	JKG	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	09/28/11 15:49	JKG	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	09/28/11 15:49	JKG	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	09/28/11 15:49	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	09/28/11 15:49	JKG	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	09/28/11 15:49	JKG	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	09/28/11 15:49	JKG	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	09/28/11 15:49	JKG	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	09/28/11 15:49	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	09/28/11 15:49	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	09/28/11 15:49	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	09/28/11 15:49	JKG	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	09/28/11 15:49	JKG	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/28/11 15:49	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	09/28/11 15:49	JKG	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	09/28/11 15:49	JKG	

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Description: 4501-AMW2D
Matrix: Ground Water
Project: Henderson Co. LF

Lab Sample ID: C110552-09
Sampled: 09/21/11 11:50
Sampled By: Brent Freyer

Received: 09/23/11 10:30
Work Order: C110552

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	09/28/11 15:49	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*47*	*1*	*50.0*	*95 %*	*51-122*	*1I28005*	*EPA 8260B*	*09/28/11 15:49*	*JKG*	
Dibromofluoromethane	*52*	*1*	*50.0*	*105 %*	*68-117*	*1I28005*	*EPA 8260B*	*09/28/11 15:49*	*JKG*	
Toluene-d8	*47*	*1*	*50.0*	*95 %*	*69-110*	*1I28005*	*EPA 8260B*	*09/28/11 15:49*	*JKG*	

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Description: 4501-AMW2D
Matrix: Ground Water
Project: Henderson Co. LF

Lab Sample ID: C110552-09
Sampled: 09/21/11 11:50
Sampled By: Brent Freyer

Received: 09/23/11 10:30
Work Order: C110552

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	09/26/11 15:00	NLH	

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Description: 4501-AMW2D
Matrix: Ground Water
Project: Henderson Co. LF

Lab Sample ID: C110552-09
Sampled: 09/21/11 11:50
Sampled By: Brent Freyer

Received: 09/23/11 10:30
Work Order: C110552

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

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	09/27/11 13:12	VLO	
Arsenic [7440-38-2] ^	**3.03**	J	ug/L	1	2.80	10.0	10	EPA 6010C	09/26/11 12:09	JDH	
Barium [7440-39-3] ^	**2.07**	J	ug/L	1	1.00	10.0	100	EPA 6010C	09/26/11 12:09	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	09/26/11 12:09	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	09/26/11 12:09	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	09/26/11 12:09	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	09/26/11 12:09	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	09/26/11 12:09	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/26/11 12:09	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	09/26/11 12:09	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	09/26/11 12:09	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/26/11 12:09	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	09/27/11 13:12	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	09/26/11 12:09	JDH	
Zinc [7440-66-6] ^	**4.57**	J	ug/L	1	3.80	10.0	10	EPA 6010C	09/26/11 12:09	JDH	

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

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Description: 4501-BR1 | **Lab Sample ID:** C110552-10 | **Received:** 09/23/11 10:30

Matrix: Surface Water | **Sampled:** 09/22/11 10:02 | **Work Order:** C110552

Project: Henderson Co. LF | **Sampled By:** Brent Freyer

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	09/28/11 16:18	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	09/28/11 16:18	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	09/28/11 16:18	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/28/11 16:18	JKG	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	09/28/11 16:18	JKG	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	09/28/11 16:18	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	09/28/11 16:18	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	09/28/11 16:18	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/28/11 16:18	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	09/28/11 16:18	JKG	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	09/28/11 16:18	JKG	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	09/28/11 16:18	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	09/28/11 16:18	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	09/28/11 16:18	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	09/28/11 16:18	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	09/28/11 16:18	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	09/28/11 16:18	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	09/28/11 16:18	JKG	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	09/28/11 16:18	JKG	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	09/28/11 16:18	JKG	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	09/28/11 16:18	JKG	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	09/28/11 16:18	JKG	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	09/28/11 16:18	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	09/28/11 16:18	JKG	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	09/28/11 16:18	JKG	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	09/28/11 16:18	JKG	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	09/28/11 16:18	JKG	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	09/28/11 16:18	JKG	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	09/28/11 16:18	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	09/28/11 16:18	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	09/28/11 16:18	JKG	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	09/28/11 16:18	JKG	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	09/28/11 16:18	JKG	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	09/28/11 16:18	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	09/28/11 16:18	JKG	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	09/28/11 16:18	JKG	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	09/28/11 16:18	JKG	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	09/28/11 16:18	JKG	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	09/28/11 16:18	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	09/28/11 16:18	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	09/28/11 16:18	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	09/28/11 16:18	JKG	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	09/28/11 16:18	JKG	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/28/11 16:18	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	09/28/11 16:18	JKG	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	09/28/11 16:18	JKG	

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Description: 4501-BR1 | **Lab Sample ID:** C110552-10 | **Received:** 09/23/11 10:30

Matrix: Surface Water | **Sampled:** 09/22/11 10:02 | **Work Order:** C110552

Project: Henderson Co. LF | **Sampled By:** Brent Freyer

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	09/28/11 16:18	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*46*	*1*	*50.0*	*92 %*	*51-122*	*1I28005*	*EPA 8260B*	*09/28/11 16:18*	*JKG*	
Dibromofluoromethane	*51*	*1*	*50.0*	*102 %*	*68-117*	*1I28005*	*EPA 8260B*	*09/28/11 16:18*	*JKG*	
Toluene-d8	*47*	*1*	*50.0*	*95 %*	*69-110*	*1I28005*	*EPA 8260B*	*09/28/11 16:18*	*JKG*	

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Description: 4501-BR1 | **Lab Sample ID:** C110552-10 | **Received:** 09/23/11 10:30

Matrix: Surface Water | **Sampled:** 09/22/11 10:02 | **Work Order:** C110552

Project: Henderson Co. LF | **Sampled By:** Brent Freyer

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

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	09/27/11 13:15	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	09/26/11 12:11	JDH	
Barium [7440-39-3] ^	**65.3**	J	ug/L	1	1.00	10.0	100	EPA 6010C	09/26/11 12:11	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	09/26/11 12:11	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	09/26/11 12:11	JDH	
Chromium [7440-47-3] ^	**1.29**	J	ug/L	1	1.00	10.0	10	EPA 6010C	09/26/11 12:11	JDH	
Cobalt [7440-48-4] ^	**3.22**	J	ug/L	1	1.10	10.0	10	EPA 6010C	09/26/11 12:11	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	09/26/11 12:11	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/26/11 12:11	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	09/26/11 12:11	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	09/26/11 12:11	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/26/11 12:11	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	09/27/11 13:15	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	09/26/11 12:11	JDH	
Zinc [7440-66-6] ^	**6.85**	J	ug/L	1	3.80	10.0	10	EPA 6010C	09/26/11 12:11	JDH	

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Description: 4501-BR2 | **Lab Sample ID:** C110552-11 | **Received:** 09/23/11 10:30

Matrix: Surface Water | **Sampled:** 09/21/11 15:30 | **Work Order:** C110552

Project: Henderson Co. LF | **Sampled By:** Brent Freyer

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	09/29/11 01:05	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	09/29/11 01:05	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	09/29/11 01:05	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/29/11 01:05	JKG	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	09/29/11 01:05	JKG	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	09/29/11 01:05	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	09/29/11 01:05	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	09/29/11 01:05	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/29/11 01:05	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	09/29/11 01:05	JKG	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	09/29/11 01:05	JKG	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	09/29/11 01:05	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	09/29/11 01:05	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	09/29/11 01:05	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	09/29/11 01:05	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	09/29/11 01:05	JKG	
Acetone [67-64-1] ^	**7.0**	J	ug/L	1	1.2	5.0	100	EPA 8260B	09/29/11 01:05	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	09/29/11 01:05	JKG	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	09/29/11 01:05	JKG	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	09/29/11 01:05	JKG	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	09/29/11 01:05	JKG	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	09/29/11 01:05	JKG	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	09/29/11 01:05	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	09/29/11 01:05	JKG	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	09/29/11 01:05	JKG	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	09/29/11 01:05	JKG	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	09/29/11 01:05	JKG	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	09/29/11 01:05	JKG	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	09/29/11 01:05	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	09/29/11 01:05	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	09/29/11 01:05	JKG	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	09/29/11 01:05	JKG	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	09/29/11 01:05	JKG	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	09/29/11 01:05	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	09/29/11 01:05	JKG	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	09/29/11 01:05	JKG	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	09/29/11 01:05	JKG	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	09/29/11 01:05	JKG	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	09/29/11 01:05	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	09/29/11 01:05	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	09/29/11 01:05	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	09/29/11 01:05	JKG	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	09/29/11 01:05	JKG	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/29/11 01:05	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	09/29/11 01:05	JKG	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	09/29/11 01:05	JKG	

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Description: 4501-BR2 | **Lab Sample ID:** C110552-11 | **Received:** 09/23/11 10:30

Matrix: Surface Water | **Sampled:** 09/21/11 15:30 | **Work Order:** C110552

Project: Henderson Co. LF | **Sampled By:** Brent Freyer

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	09/29/11 01:05	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*47*	*1*	*50.0*	*94 %*	*51-122*	*1I28010*	*EPA 8260B*	*09/29/11 01:05*	*JKG*	
Dibromofluoromethane	*51*	*1*	*50.0*	*101 %*	*68-117*	*1I28010*	*EPA 8260B*	*09/29/11 01:05*	*JKG*	
Toluene-d8	*47*	*1*	*50.0*	*94 %*	*69-110*	*1I28010*	*EPA 8260B*	*09/29/11 01:05*	*JKG*	

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Description: 4501-BR2 | **Lab Sample ID:** C110552-11 | **Received:** 09/23/11 10:30

Matrix: Surface Water | **Sampled:** 09/21/11 15:30 | **Work Order:** C110552

Project: Henderson Co. LF | **Sampled By:** Brent Freyer

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

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	09/27/11 13:19	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	09/26/11 12:13	JDH	
Barium [7440-39-3] ^	**200**		ug/L	1	1.00	10.0	100	EPA 6010C	09/26/11 12:13	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	09/26/11 12:13	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	09/26/11 12:13	JDH	
Chromium [7440-47-3] ^	**3.44**	J	ug/L	1	1.00	10.0	10	EPA 6010C	09/26/11 12:13	JDH	
Cobalt [7440-48-4] ^	**9.89**	J	ug/L	1	1.10	10.0	10	EPA 6010C	09/26/11 12:13	JDH	
Copper [7440-50-8] ^	**3.90**	J	ug/L	1	1.60	10.0	10	EPA 6010C	09/26/11 12:13	JDH	
Lead [7439-92-1] ^	**8.03**	J	ug/L	1	1.90	10.0	10	EPA 6010C	09/26/11 12:13	JDH	
Nickel [7440-02-0] ^	**2.97**	J	ug/L	1	1.80	10.0	50	EPA 6010C	09/26/11 12:13	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	09/26/11 12:13	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/26/11 12:13	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	09/27/11 13:19	VLO	
Vanadium [7440-62-2] ^	**8.61**	J	ug/L	1	1.40	10.0	25	EPA 6010C	09/26/11 12:13	JDH	
Zinc [7440-66-6] ^	**22.1**		ug/L	1	3.80	10.0	10	EPA 6010C	09/26/11 12:13	JDH	

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

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Description: 4501-BR3 | **Lab Sample ID:** C110552-12 | **Received:** 09/23/11 10:30

Matrix: Surface Water | **Sampled:** 09/21/11 15:02 | **Work Order:** C110552

Project: Henderson Co. LF | **Sampled By:** Brent Freyer

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	09/29/11 01:34	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	09/29/11 01:34	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	09/29/11 01:34	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/29/11 01:34	JKG	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	09/29/11 01:34	JKG	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	09/29/11 01:34	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	09/29/11 01:34	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	09/29/11 01:34	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/29/11 01:34	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	09/29/11 01:34	JKG	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	09/29/11 01:34	JKG	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	09/29/11 01:34	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	09/29/11 01:34	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	09/29/11 01:34	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	09/29/11 01:34	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	09/29/11 01:34	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	09/29/11 01:34	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	09/29/11 01:34	JKG	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	09/29/11 01:34	JKG	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	09/29/11 01:34	JKG	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	09/29/11 01:34	JKG	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	09/29/11 01:34	JKG	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	09/29/11 01:34	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	09/29/11 01:34	JKG	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	09/29/11 01:34	JKG	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	09/29/11 01:34	JKG	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	09/29/11 01:34	JKG	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	09/29/11 01:34	JKG	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	09/29/11 01:34	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	09/29/11 01:34	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	09/29/11 01:34	JKG	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	09/29/11 01:34	JKG	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	09/29/11 01:34	JKG	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	09/29/11 01:34	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	09/29/11 01:34	JKG	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	09/29/11 01:34	JKG	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	09/29/11 01:34	JKG	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	09/29/11 01:34	JKG	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	09/29/11 01:34	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	09/29/11 01:34	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	09/29/11 01:34	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	09/29/11 01:34	JKG	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	09/29/11 01:34	JKG	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/29/11 01:34	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	09/29/11 01:34	JKG	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	09/29/11 01:34	JKG	

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Description: 4501-BR3 | **Lab Sample ID:** C110552-12 | **Received:** 09/23/11 10:30

Matrix: Surface Water | **Sampled:** 09/21/11 15:02 | **Work Order:** C110552

Project: Henderson Co. LF | **Sampled By:** Brent Freyer

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	09/29/11 01:34	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*46*	*1*	*50.0*	*92 %*	*51-122*	*1I28010*	*EPA 8260B*	*09/29/11 01:34*	*JKG*	
Dibromofluoromethane	*51*	*1*	*50.0*	*102 %*	*68-117*	*1I28010*	*EPA 8260B*	*09/29/11 01:34*	*JKG*	
Toluene-d8	*47*	*1*	*50.0*	*94 %*	*69-110*	*1I28010*	*EPA 8260B*	*09/29/11 01:34*	*JKG*	

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Description: 4501-BR3 | **Lab Sample ID:** C110552-12 | **Received:** 09/23/11 10:30

Matrix: Surface Water | **Sampled:** 09/21/11 15:02 | **Work Order:** C110552

Project: Henderson Co. LF | **Sampled By:** Brent Freyer

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

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	09/27/11 13:22	VLO	
Arsenic [7440-38-2] ^	**4.96**	J	ug/L	1	2.80	10.0	10	EPA 6010C	09/26/11 12:15	JDH	
Barium [7440-39-3] ^	**253**		ug/L	1	1.00	10.0	100	EPA 6010C	09/26/11 12:15	JDH	
Beryllium [7440-41-7] ^	**0.362**	J	ug/L	1	0.100	1.00	1	EPA 6010C	09/26/11 12:15	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	09/26/11 12:15	JDH	
Chromium [7440-47-3] ^	**1.78**	J	ug/L	1	1.00	10.0	10	EPA 6010C	09/26/11 12:15	JDH	
Cobalt [7440-48-4] ^	**3.13**	J	ug/L	1	1.10	10.0	10	EPA 6010C	09/26/11 12:15	JDH	
Copper [7440-50-8] ^	**2.35**	J	ug/L	1	1.60	10.0	10	EPA 6010C	09/26/11 12:15	JDH	
Lead [7439-92-1] ^	**2.33**	J	ug/L	1	1.90	10.0	10	EPA 6010C	09/26/11 12:15	JDH	
Nickel [7440-02-0] ^	**2.71**	J	ug/L	1	1.80	10.0	50	EPA 6010C	09/26/11 12:15	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	09/26/11 12:15	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/26/11 12:15	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	09/27/11 13:22	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	09/26/11 12:15	JDH	
Zinc [7440-66-6] ^	**69.0**		ug/L	1	3.80	10.0	10	EPA 6010C	09/26/11 12:15	JDH	

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

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Description: 4501-SW1 | **Lab Sample ID:** C110552-13 | **Received:** 09/23/11 10:30

Matrix: Surface Water | **Sampled:** 09/22/11 10:55 | **Work Order:** C110552

Project: Henderson Co. LF | **Sampled By:** Brent Freyer

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	09/29/11 02:03	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	09/29/11 02:03	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	09/29/11 02:03	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/29/11 02:03	JKG	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	09/29/11 02:03	JKG	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	09/29/11 02:03	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	09/29/11 02:03	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	09/29/11 02:03	JKG	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/29/11 02:03	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	09/29/11 02:03	JKG	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	09/29/11 02:03	JKG	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	09/29/11 02:03	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	09/29/11 02:03	JKG	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	09/29/11 02:03	JKG	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	09/29/11 02:03	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	09/29/11 02:03	JKG	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	09/29/11 02:03	JKG	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	09/29/11 02:03	JKG	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	09/29/11 02:03	JKG	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	09/29/11 02:03	JKG	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	09/29/11 02:03	JKG	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	09/29/11 02:03	JKG	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	09/29/11 02:03	JKG	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	09/29/11 02:03	JKG	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	09/29/11 02:03	JKG	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	09/29/11 02:03	JKG	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	09/29/11 02:03	JKG	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	09/29/11 02:03	JKG	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	09/29/11 02:03	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	09/29/11 02:03	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	09/29/11 02:03	JKG	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	09/29/11 02:03	JKG	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	09/29/11 02:03	JKG	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	09/29/11 02:03	JKG	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	09/29/11 02:03	JKG	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	09/29/11 02:03	JKG	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	09/29/11 02:03	JKG	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	09/29/11 02:03	JKG	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	09/29/11 02:03	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	09/29/11 02:03	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	09/29/11 02:03	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	09/29/11 02:03	JKG	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	09/29/11 02:03	JKG	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/29/11 02:03	JKG	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	09/29/11 02:03	JKG	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	09/29/11 02:03	JKG	

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Description: 4501-SW1 | **Lab Sample ID:** C110552-13 | **Received:** 09/23/11 10:30

Matrix: Surface Water | **Sampled:** 09/22/11 10:55 | **Work Order:** C110552

Project: Henderson Co. LF | **Sampled By:** Brent Freyer

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	09/29/11 02:03	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*47*	*1*	*50.0*	*94 %*	*51-122*	*1I28010*	*EPA 8260B*	*09/29/11 02:03*	*JKG*	
Dibromofluoromethane	*52*	*1*	*50.0*	*104 %*	*68-117*	*1I28010*	*EPA 8260B*	*09/29/11 02:03*	*JKG*	
Toluene-d8	*47*	*1*	*50.0*	*94 %*	*69-110*	*1I28010*	*EPA 8260B*	*09/29/11 02:03*	*JKG*	

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Description: 4501-SW1 | **Lab Sample ID:** C110552-13 | **Received:** 09/23/11 10:30

Matrix: Surface Water | **Sampled:** 09/22/11 10:55 | **Work Order:** C110552

Project: Henderson Co. LF | **Sampled By:** Brent Freyer

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

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	09/27/11 13:26	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	09/26/11 12:17	JDH	
Barium [7440-39-3] ^	**52.5**	J	ug/L	1	1.00	10.0	100	EPA 6010C	09/26/11 12:17	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	09/26/11 12:17	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	09/26/11 12:17	JDH	
Chromium [7440-47-3] ^	**1.06**	J	ug/L	1	1.00	10.0	10	EPA 6010C	09/26/11 12:17	JDH	
Cobalt [7440-48-4] ^	**2.29**	J	ug/L	1	1.10	10.0	10	EPA 6010C	09/26/11 12:17	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	09/26/11 12:17	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/26/11 12:17	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	09/26/11 12:17	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	09/26/11 12:17	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/26/11 12:17	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	09/27/11 13:26	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	09/26/11 12:17	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	09/26/11 12:17	JDH	

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

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Description: 4501-Field Blank | **Lab Sample ID:** C110552-14 | **Received:** 09/23/11 10:30
Matrix: Water | **Sampled:** 09/22/11 11:00 | **Work Order:** C110552
Project: Henderson Co. LF | **Sampled By:** Brent Freyer

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	09/29/11 20:45	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	09/29/11 20:45	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	09/29/11 20:45	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/29/11 20:45	jkg	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	09/29/11 20:45	jkg	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	09/29/11 20:45	jkg	
1,1-Dichloropropene [563-58-6] ^	0.66	U	ug/L	1	0.66	1.0	5	EPA 8260B	09/29/11 20:45	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	09/29/11 20:45	jkg	
1,2,4-Trichlorobenzene [120-82-1] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	09/29/11 20:45	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	09/29/11 20:45	jkg	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/29/11 20:45	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	09/29/11 20:45	jkg	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	09/29/11 20:45	jkg	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	09/29/11 20:45	jkg	
1,3-Dichlorobenzene [541-73-1] ^	0.79	U	ug/L	1	0.79	1.0	5	EPA 8260B	09/29/11 20:45	jkg	
1,3-Dichloropropane [142-28-9] ^	0.67	U	ug/L	1	0.67	1.0	1	EPA 8260B	09/29/11 20:45	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	09/29/11 20:45	jkg	
2,2-Dichloropropane [594-20-7] ^	0.56	U	ug/L	1	0.56	1.0	15	EPA 8260B	09/29/11 20:45	jkg	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	09/29/11 20:45	jkg	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	09/29/11 20:45	jkg	
3-Chloropropene [107-05-1] ^	0.11	U	ug/L	1	0.11	1.0	10	EPA 8260B	09/29/11 20:45	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	09/29/11 20:45	jkg	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	09/29/11 20:45	jkg	
Acetonitrile [75-05-8] ^	5.0	U	ug/L	1	5.0	10	55	EPA 8260B	09/29/11 20:45	jkg	
Acrolein [107-02-8] ^	4.0	U	ug/L	1	4.0	10	53	EPA 8260B	09/29/11 20:45	jkg	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	09/29/11 20:45	jkg	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	09/29/11 20:45	jkg	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	09/29/11 20:45	jkg	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	09/29/11 20:45	jkg	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	09/29/11 20:45	jkg	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	09/29/11 20:45	jkg	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	09/29/11 20:45	jkg	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	09/29/11 20:45	jkg	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	09/29/11 20:45	jkg	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	09/29/11 20:45	jkg	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	09/29/11 20:45	jkg	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	09/29/11 20:45	jkg	
Chloroprene [126-99-8] ^	0.64	U	ug/L	1	0.64	1.0	20	EPA 8260B	09/29/11 20:45	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	09/29/11 20:45	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	09/29/11 20:45	jkg	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	09/29/11 20:45	jkg	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	09/29/11 20:45	jkg	
Dichlorodifluoromethane [75-71-8] ^	0.56	U	ug/L	1	0.56	1.0	5	EPA 8260B	09/29/11 20:45	jkg	
Ethyl Methacrylate [97-63-2] ^	0.38	U	ug/L	1	0.38	1.0	10	EPA 8260B	09/29/11 20:45	jkg	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	09/29/11 20:45	jkg	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	09/29/11 20:45	jkg	

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Description: 4501-Field Blank | **Lab Sample ID:** C110552-14 | **Received:** 09/23/11 10:30

Matrix: Water | **Sampled:** 09/22/11 11:00 | **Work Order:** C110552

Project: Henderson Co. LF | **Sampled By:** Brent Freyer

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Isobutyl alcohol [78-83-1] ^	11	U	ug/L	1	11	50	100	EPA 8260B	09/29/11 20:45	jkg	
Methacrylonitrile [126-98-7] ^	4.9	U	ug/L	1	4.9	10	100	EPA 8260B	09/29/11 20:45	jkg	
Methyl Methacrylate [80-62-6] ^	0.51	U	ug/L	1	0.51	1.0	30	EPA 8260B	09/29/11 20:45	jkg	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	09/29/11 20:45	jkg	
Naphthalene [91-20-3] ^	0.46	U	ug/L	1	0.46	1.0	10	EPA 8260B	09/29/11 20:45	jkg	
Propionitrile [107-12-0] ^	5.0	U	ug/L	1	5.0	10	150	EPA 8260B	09/29/11 20:45	jkg	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	09/29/11 20:45	jkg	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	09/29/11 20:45	jkg	
Tetrahydrofuran [109-99-9] ^	0.80	U	ug/L	1	0.80	1.0	NE	EPA 8260B	09/29/11 20:45	jkg	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	09/29/11 20:45	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	09/29/11 20:45	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	09/29/11 20:45	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	09/29/11 20:45	jkg	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	09/29/11 20:45	jkg	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/29/11 20:45	jkg	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	09/29/11 20:45	jkg	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	09/29/11 20:45	jkg	
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	09/29/11 20:45	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*51*	*1*	*50.0*	*102 %*	*51-122*	*1I29027*	*EPA 8260B*	*09/29/11 20:45*	*jkg*	
Dibromofluoromethane	*53*	*1*	*50.0*	*106 %*	*68-117*	*1I29027*	*EPA 8260B*	*09/29/11 20:45*	*jkg*	
Toluene-d8	*54*	*1*	*50.0*	*108 %*	*69-110*	*1I29027*	*EPA 8260B*	*09/29/11 20:45*	*jkg*	

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Description: 4501-Field Blank | **Lab Sample ID:** C110552-14 | **Received:** 09/23/11 10:30

Matrix: Water | **Sampled:** 09/22/11 11:00 | **Work Order:** C110552

Project: Henderson Co. LF | **Sampled By:** Brent Freyer

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,2,4,5-Tetrachlorobenzene [95-94-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/07/11 13:07	DFM	
1,3,5-Trinitrobenzene [99-35-4] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	10/07/11 13:07	DFM	
1,3-Dinitrobenzene [99-65-0] ^	1.9	U	ug/L	1	1.9	10	20	EPA 8270D	10/07/11 13:07	DFM	
1,4-Naphthoquinone [130-15-4] ^	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	10/07/11 13:07	DFM	
1,4-Phenylenediamine [106-50-3] ^	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	10/07/11 13:07	DFM	
1-Naphthylamine [134-32-7] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/07/11 13:07	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/07/11 13:07	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/07/11 13:07	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/07/11 13:07	DFM	
2,4-Dichlorophenol [120-83-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/07/11 13:07	DFM	
2,4-Dimethylphenol [105-67-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 13:07	DFM	
2,4-Dinitrophenol [51-28-5] ^	2.6	U	ug/L	1	2.6	10	50	EPA 8270D	10/07/11 13:07	DFM	QV-01
2,4-Dinitrotoluene [121-14-2] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270D	10/07/11 13:07	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/07/11 13:07	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	10/07/11 13:07	DFM	
2-Acetylaminofluorene [53-96-3] ^	2.5	U	ug/L	1	2.5	10	20	EPA 8270D	10/07/11 13:07	DFM	
2-Chloronaphthalene [91-58-7] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/07/11 13:07	DFM	
2-Chlorophenol [95-57-8] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/07/11 13:07	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	2.9	U	ug/L	1	2.9	10	50	EPA 8270D	10/07/11 13:07	DFM	
2-Methylnaphthalene [91-57-6] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	10/07/11 13:07	DFM	
2-Methylphenol [95-48-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/07/11 13:07	DFM	
2-Naphthylamine [91-59-8] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	10/07/11 13:07	DFM	
2-Nitroaniline [88-74-4] ^	1.5	U	ug/L	1	1.5	10	50	EPA 8270D	10/07/11 13:07	DFM	
2-Nitrophenol [88-75-5] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/07/11 13:07	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	10/07/11 13:07	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	3.3	U	ug/L	1	3.3	10	20	EPA 8270D	10/07/11 13:07	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270D	10/07/11 13:07	DFM	
3-Methylcholanthrene [56-49-5] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 13:07	DFM	
3-Nitroaniline [99-09-2] ^	2.1	U	ug/L	1	2.1	10	50	EPA 8270D	10/07/11 13:07	DFM	QV-01
4-Aminobiphenyl [92-67-1] ^	2.1	U	ug/L	1	2.1	10	20	EPA 8270D	10/07/11 13:07	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/07/11 13:07	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270D	10/07/11 13:07	DFM	
4-Chloroaniline [106-47-8] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	10/07/11 13:07	DFM	QV-01
4-Chlorophenyl-phenylether [7005-72-3] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	10/07/11 13:07	DFM	
4-Nitroaniline [100-01-6] ^	3.2	U	ug/L	1	3.2	10	20	EPA 8270D	10/07/11 13:07	DFM	QV-01
4-Nitrophenol [100-02-7] ^	2.0	U	ug/L	1	2.0	10	50	EPA 8270D	10/07/11 13:07	DFM	QV-01
5-Nitro-o-toluidine [99-55-8] ^	3.2	U	ug/L	1	3.2	10	10	EPA 8270D	10/07/11 13:07	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/07/11 13:07	DFM	
Acenaphthene [83-32-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/07/11 13:07	DFM	
Acenaphthylene [208-96-8] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/07/11 13:07	DFM	
Acetophenone [98-86-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 13:07	DFM	
Anthracene [120-12-7] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	10/07/11 13:07	DFM	
Benzo(a)anthracene [56-55-3] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 13:07	DFM	
Benzo(a)pyrene [50-32-8] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 13:07	DFM	QV-01
Benzo(b)fluoranthene [205-99-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/07/11 13:07	DFM	

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Description: 4501-Field Blank | **Lab Sample ID:** C110552-14 | **Received:** 09/23/11 10:30
Matrix: Water | **Sampled:** 09/22/11 11:00 | **Work Order:** C110552
Project: Henderson Co. LF | **Sampled By:** Brent Freyer

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Benzo(g,h,i)perylene [191-24-2] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270D	10/07/11 13:07	DFM	QV-01
Benzo(k)fluoranthene [207-08-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 13:07	DFM	
Benzyl alcohol [100-51-6] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270D	10/07/11 13:07	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/07/11 13:07	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/07/11 13:07	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 13:07	DFM	QV-01
Bis(2-ethylhexyl)phthalate [117-81-7] ^	1.7	U	ug/L	1	1.7	5.0	15	EPA 8270D	10/07/11 13:07	DFM	
Butylbenzylphthalate [85-68-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/07/11 13:07	DFM	
Chlorobenzilate [510-15-6] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/07/11 13:07	DFM	
Chrysene [218-01-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/07/11 13:07	DFM	
Diallate [2303-16-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/07/11 13:07	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	2.3	U	ug/L	1	2.3	10	10	EPA 8270D	10/07/11 13:07	DFM	
Dibenzofuran [132-64-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/07/11 13:07	DFM	
Diethylphthalate [84-66-2] ^	2.1	U	ug/L	1	2.1	10	6000	EPA 8270D	10/07/11 13:07	DFM	
Dimethoate [60-51-5] ^	2.3	U	ug/L	1	2.3	10	20	EPA 8270D	10/07/11 13:07	DFM	
Dimethylphthalate [131-11-3] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/07/11 13:07	DFM	
Di-n-butylphthalate [84-74-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	10/07/11 13:07	DFM	
Di-n-octylphthalate [117-84-0] ^	3.1	U	ug/L	1	3.1	10	10	EPA 8270D	10/07/11 13:07	DFM	
Disulfoton [298-04-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/07/11 13:07	DFM	
Ethyl methanesulfonate [62-50-0] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	10/07/11 13:07	DFM	
Famphur [52-85-7] ^	2.7	U	ug/L	1	2.7	10	20	EPA 8270D	10/07/11 13:07	DFM	
Fluoranthene [206-44-0] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	10/07/11 13:07	DFM	
Fluorene [86-73-7] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	10/07/11 13:07	DFM	
Hexachlorobenzene [118-74-1] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/07/11 13:07	DFM	
Hexachlorobutadiene [87-68-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/07/11 13:07	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 13:07	DFM	
Hexachloroethane [67-72-1] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/07/11 13:07	DFM	
Hexachloropropene [1888-71-7] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	10/07/11 13:07	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270D	10/07/11 13:07	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	10/07/11 13:07	DFM	
Isophorone [78-59-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 13:07	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 13:07	DFM	
Kepone [143-50-0] ^	7.2	U	ug/L	1	7.2	20	20	EPA 8270D	10/07/11 13:07	DFM	QV-01
Methapyrilene [91-80-5] ^	3.5	U	ug/L	1	3.5	10	100	EPA 8270D	10/07/11 13:07	DFM	
Methyl Methanesulfonate [66-27-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/07/11 13:07	DFM	
Methyl parathion [298-00-0] ^	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	10/07/11 13:07	DFM	
Nitrobenzene [98-95-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/07/11 13:07	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	10/07/11 13:07	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 13:07	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/07/11 13:07	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	10/07/11 13:07	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	10/07/11 13:07	DFM	
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/07/11 13:07	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270D	10/07/11 13:07	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 13:07	DFM	

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Description: 4501-Field Blank
Matrix: Water
Project: Henderson Co. LF

Lab Sample ID: C110552-14
Sampled: 09/22/11 11:00
Sampled By: Brent Freyer

Received: 09/23/11 10:30
Work Order: C110552

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
O,O,O-Triethyl phosphorothioate [126-68-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 13:07	DFM	
o-Toluidine [95-53-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/07/11 13:07	DFM	
Parathion [56-38-2] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	10/07/11 13:07	DFM	
p-Dimethylaminoazobenzene [60-11-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/07/11 13:07	DFM	
Pentachlorobenzene [608-93-5] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 13:07	DFM	
Pentachloronitrobenzene [82-68-8] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	10/07/11 13:07	DFM	
Phenacetin [62-44-2] ^	2.7	U	ug/L	1	2.7	10	20	EPA 8270D	10/07/11 13:07	DFM	
Phenanthrene [85-01-8] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/07/11 13:07	DFM	
Phenol [108-95-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/07/11 13:07	DFM	
Phorate [298-02-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/07/11 13:07	DFM	
Pronamide [23950-58-5] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/07/11 13:07	DFM	
Pyrene [129-00-0] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	10/07/11 13:07	DFM	
Safrole [94-59-7] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/07/11 13:07	DFM	
Thionazin [297-97-2] ^	2.3	U	ug/L	1	2.3	10	20	EPA 8270D	10/07/11 13:07	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*84*	*1*	*100*	*84 %*	*10-179*	*1I27001*	*EPA 8270D*	*10/07/11 13:07*	*DFM*	
2-Fluorobiphenyl	*41*	*1*	*50.0*	*82 %*	*10-149*	*1I27001*	*EPA 8270D*	*10/07/11 13:07*	*DFM*	
2-Fluorophenol	*58*	*1*	*100*	*58 %*	*10-110*	*1I27001*	*EPA 8270D*	*10/07/11 13:07*	*DFM*	
Nitrobenzene-d5	*37*	*1*	*50.0*	*73 %*	*10-149*	*1I27001*	*EPA 8270D*	*10/07/11 13:07*	*DFM*	
Phenol-d5	*51*	*1*	*100*	*51 %*	*10-88*	*1I27001*	*EPA 8270D*	*10/07/11 13:07*	*DFM*	
Terphenyl-d14	*52*	*1*	*50.0*	*104 %*	*10-188*	*1I27001*	*EPA 8270D*	*10/07/11 13:07*	*DFM*	

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Description: 4501-Field Blank
Matrix: Water
Project: Henderson Co. LF

Lab Sample ID: C110552-14
Sampled: 09/22/11 11:00
Sampled By: Brent Freyer

Received: 09/23/11 10:30
Work Order: C110552

Organochlorine Pesticides by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
4,4'-DDD [72-54-8] ^	0.044	U	ug/L	1	0.044	0.050	0.1	EPA 8081B	09/28/11 13:04	MSZ	
4,4'-DDE [72-55-9] ^	0.048	U	ug/L	1	0.048	0.050	0.1	EPA 8081B	09/28/11 13:04	MSZ	
4,4'-DDT [50-29-3] ^	0.049	U	ug/L	1	0.049	0.050	0.1	EPA 8081B	09/28/11 13:04	MSZ	
Aldrin [309-00-2] ^	0.038	U	ug/L	1	0.038	0.050	0.05	EPA 8081B	09/28/11 13:04	MSZ	
alpha-BHC [319-84-6] ^	0.027	U	ug/L	1	0.027	0.050	0.05	EPA 8081B	09/28/11 13:04	MSZ	
beta-BHC [319-85-7] ^	0.027	U	ug/L	1	0.027	0.050	0.05	EPA 8081B	09/28/11 13:04	MSZ	
Chlordane (tech) [12789-03-6] ^	0.20	U	ug/L	1	0.20	0.50	0.5	EPA 8081B	09/28/11 13:04	MSZ	
Chlordane-alpha [5103-71-9] ^	0.048	U	ug/L	1	0.048	0.050	NE	EPA 8081B	09/28/11 13:04	MSZ	
Chlordane-gamma [5566-34-7] ^	0.040	U	ug/L	1	0.040	0.050	NE	EPA 8081B	09/28/11 13:04	MSZ	
delta-BHC [319-86-8] ^	0.022	U	ug/L	1	0.022	0.050	0.05	EPA 8081B	09/28/11 13:04	MSZ	
Dieldrin [60-57-1] ^	0.0020	U	ug/L	1	0.0020	0.050	0.075	EPA 8081B	09/28/11 13:04	MSZ	
Endosulfan I [959-98-8] ^	0.041	U	ug/L	1	0.041	0.050	0.1	EPA 8081B	09/28/11 13:04	MSZ	
Endosulfan II [33213-65-9] ^	0.029	U	ug/L	1	0.029	0.050	0.1	EPA 8081B	09/28/11 13:04	MSZ	
Endosulfan sulfate [1031-07-8] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	09/28/11 13:04	MSZ	
Endrin [72-20-8] ^	0.029	U	ug/L	1	0.029	0.050	0.1	EPA 8081B	09/28/11 13:04	MSZ	
Endrin aldehyde [7421-93-4] ^	0.031	U	ug/L	1	0.031	0.050	0.1	EPA 8081B	09/28/11 13:04	MSZ	
gamma-BHC [58-89-9] ^	0.022	U	ug/L	1	0.022	0.050	0.05	EPA 8081B	09/28/11 13:04	MSZ	
Heptachlor [76-44-8] ^	0.038	U	ug/L	1	0.038	0.050	0.05	EPA 8081B	09/28/11 13:04	MSZ	
Heptachlor epoxide [1024-57-3] ^	0.027	U	ug/L	1	0.027	0.050	0.075	EPA 8081B	09/28/11 13:04	MSZ	
Methoxychlor [72-43-5] ^	0.025	U	ug/L	1	0.025	0.050	1	EPA 8081B	09/28/11 13:04	MSZ	
Toxaphene [8001-35-2] ^	0.22	U	ug/L	1	0.22	0.50	1.5	EPA 8081B	09/28/11 13:04	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*1.1*	*1*	*1.00*	*109 %*	*44-134*	*1I26001*	*EPA 8081B*	*09/28/11 13:04*	*MSZ*	
Decachlorobiphenyl	*1.1*	*1*	*1.00*	*112 %*	*37-149*	*1I26001*	*EPA 8081B*	*09/28/11 13:04*	*MSZ*	

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Description: 4501-Field Blank
Matrix: Water
Project: Henderson Co. LF

Lab Sample ID: C110552-14
Sampled: 09/22/11 11:00
Sampled By: Brent Freyer

Received: 09/23/11 10:30
Work Order: C110552

Polychlorinated Biphenyls by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
PCB-1016/1242 [12674-11-2/53469-21-9] ^	0.19	U	ug/L	1	0.19	0.50	2	EPA 8082A	09/28/11 13:04	MSZ	
PCB-1221 [11104-28-2] ^	0.046	U	ug/L	1	0.046	0.50	NE	EPA 8082A	09/28/11 13:04	MSZ	
PCB-1232 [11141-16-5] ^	0.028	U	ug/L	1	0.028	0.50	NE	EPA 8082A	09/28/11 13:04	MSZ	
PCB-1248 [12672-29-6] ^	0.014	U	ug/L	1	0.014	0.50	NE	EPA 8082A	09/28/11 13:04	MSZ	
PCB-1254 [11097-69-1] ^	0.015	U	ug/L	1	0.015	0.50	NE	EPA 8082A	09/28/11 13:04	MSZ	
PCB-1260 [11096-82-5] ^	0.13	U	ug/L	1	0.13	0.50	NE	EPA 8082A	09/28/11 13:04	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*1.1*	*1*	*1.00*	*109 %*	*45-151*	*1I26002*	*EPA 8082A*	*09/28/11 13:04*	*MSZ*	
Decachlorobiphenyl	*1.1*	*1*	*1.00*	*112 %*	*42-159*	*1I26002*	*EPA 8082A*	*09/28/11 13:04*	*MSZ*	

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Description: 4501-Field Blank
Matrix: Water
Project: Henderson Co. LF

Lab Sample ID: C110552-14
Sampled: 09/22/11 11:00
Sampled By: Brent Freyer

Received: 09/23/11 10:30
Work Order: C110552

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	09/26/11 15:03	NLH	

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Description: 4501-Field Blank
Matrix: Water
Project: Henderson Co. LF

Lab Sample ID: C110552-14
Sampled: 09/22/11 11:00
Sampled By: Brent Freyer

Received: 09/23/11 10:30
Work Order: C110552

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

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	09/27/11 13:29	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	09/26/11 12:19	JDH	
Barium [7440-39-3] ^	1.00	U	ug/L	1	1.00	10.0	100	EPA 6010C	09/26/11 12:19	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	09/26/11 12:19	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	09/26/11 12:19	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	09/26/11 12:19	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	09/26/11 12:19	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	09/26/11 12:19	JDH	
Iron [7439-89-6] ^	22.0	U	ug/L	1	22.0	50.0	300	EPA 6010C	09/26/11 12:19	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/26/11 12:19	JDH	
Manganese [7439-96-5] ^	1.10	U	ug/L	1	1.10	10.0	50	EPA 6010C	09/26/11 12:19	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	09/26/11 12:19	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	09/26/11 12:19	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/26/11 12:19	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	09/27/11 13:29	VLO	
Tin [7440-31-5] ^	2.10	U	ug/L	1	2.10	10.0	100	EPA 6010C	09/26/11 12:19	JDH	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	09/26/11 12:19	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	09/26/11 12:19	JDH	

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Description: 4501-Field Blank
Matrix: Water
Project: Henderson Co. LF

Lab Sample ID: C110552-14
Sampled: 09/22/11 11:00
Sampled By: Brent Freyer

Received: 09/23/11 10:30
Work Order: C110552

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Cyanide (total) [57-12-5] ^	0.0039	U	mg/L	1	0.0039	0.010	10	EPA 9014	09/28/11 18:12	AJB	
Sulfide [18496-25-8] ^	10	U	ug/L	1	10	100	1000	SM18 4500-S D	09/26/11 11:57	JOC	

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Description: 4501-Field Blank
Matrix: Water
Project: Henderson Co. LF

Lab Sample ID: C110552-14
Sampled: 09/22/11 11:00
Sampled By: Brent Freyer

Received: 09/23/11 10:30
Work Order: C110552

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
2,4,5-T [93-76-5] ^	0.14	U	ug/L	1	0.14	0.50	2	EPA 8151A	09/30/11 20:57	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.15	U	ug/L	1	0.15	0.50	2	EPA 8151A	09/30/11 20:57	RGG	
2,4-D [94-75-7] ^	0.15	U	ug/L	1	0.15	0.50	2	EPA 8151A	09/30/11 20:57	RGG	
Dinoseb [88-85-7] ^	0.32	U	ug/L	1	0.32	0.50		EPA 8151A	09/30/11 20:57	RGG	
Pentachlorophenol [87-86-5] ^	0.13	U	ug/L	1	0.13	0.50	25	EPA 8151A	09/30/11 20:57	RGG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*2.2*	*1*	*2.00*	*111 %*	*68-139*	*1I27018*	*EPA 8151A*	*09/30/11 20:57*	*RGG*	

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

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Description: 4501-Trip Blank | **Lab Sample ID:** C110552-15 | **Received:** 09/23/11 10:30

Matrix: Water | **Sampled:** 09/21/11 09:26 | **Work Order:** C110552

Project: Henderson Co. LF | **Sampled By:** ENCO

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	09/29/11 21:15	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	09/29/11 21:15	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	09/29/11 21:15	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/29/11 21:15	jkg	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	09/29/11 21:15	jkg	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	09/29/11 21:15	jkg	
1,1-Dichloropropene [563-58-6] ^	0.66	U	ug/L	1	0.66	1.0	5	EPA 8260B	09/29/11 21:15	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	09/29/11 21:15	jkg	
1,2,4-Trichlorobenzene [120-82-1] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	09/29/11 21:15	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	09/29/11 21:15	jkg	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/29/11 21:15	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	09/29/11 21:15	jkg	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	09/29/11 21:15	jkg	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	09/29/11 21:15	jkg	
1,3-Dichlorobenzene [541-73-1] ^	0.79	U	ug/L	1	0.79	1.0	5	EPA 8260B	09/29/11 21:15	jkg	
1,3-Dichloropropane [142-28-9] ^	0.67	U	ug/L	1	0.67	1.0	1	EPA 8260B	09/29/11 21:15	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	09/29/11 21:15	jkg	
2,2-Dichloropropane [594-20-7] ^	0.56	U	ug/L	1	0.56	1.0	15	EPA 8260B	09/29/11 21:15	jkg	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	09/29/11 21:15	jkg	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	09/29/11 21:15	jkg	
3-Chloropropene [107-05-1] ^	0.11	U	ug/L	1	0.11	1.0	10	EPA 8260B	09/29/11 21:15	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	09/29/11 21:15	jkg	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	09/29/11 21:15	jkg	
Acetonitrile [75-05-8] ^	5.0	U	ug/L	1	5.0	10	55	EPA 8260B	09/29/11 21:15	jkg	
Acrolein [107-02-8] ^	4.0	U	ug/L	1	4.0	10	53	EPA 8260B	09/29/11 21:15	jkg	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	09/29/11 21:15	jkg	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	09/29/11 21:15	jkg	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	09/29/11 21:15	jkg	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	09/29/11 21:15	jkg	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	09/29/11 21:15	jkg	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	09/29/11 21:15	jkg	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	09/29/11 21:15	jkg	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	09/29/11 21:15	jkg	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	09/29/11 21:15	jkg	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	09/29/11 21:15	jkg	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	09/29/11 21:15	jkg	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	09/29/11 21:15	jkg	
Chloroprene [126-99-8] ^	0.64	U	ug/L	1	0.64	1.0	20	EPA 8260B	09/29/11 21:15	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	09/29/11 21:15	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	09/29/11 21:15	jkg	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	09/29/11 21:15	jkg	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	09/29/11 21:15	jkg	
Dichlorodifluoromethane [75-71-8] ^	0.56	U	ug/L	1	0.56	1.0	5	EPA 8260B	09/29/11 21:15	jkg	
Ethyl Methacrylate [97-63-2] ^	0.38	U	ug/L	1	0.38	1.0	10	EPA 8260B	09/29/11 21:15	jkg	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	09/29/11 21:15	jkg	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	09/29/11 21:15	jkg	

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Description: 4501-Trip Blank | **Lab Sample ID:** C110552-15 | **Received:** 09/23/11 10:30

Matrix: Water | **Sampled:** 09/21/11 09:26 | **Work Order:** C110552

Project: Henderson Co. LF | **Sampled By:** ENCO

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Isobutyl alcohol [78-83-1] ^	11	U	ug/L	1	11	50	100	EPA 8260B	09/29/11 21:15	jkg	
Methacrylonitrile [126-98-7] ^	4.9	U	ug/L	1	4.9	10	100	EPA 8260B	09/29/11 21:15	jkg	
Methyl Methacrylate [80-62-6] ^	0.51	U	ug/L	1	0.51	1.0	30	EPA 8260B	09/29/11 21:15	jkg	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	09/29/11 21:15	jkg	
Naphthalene [91-20-3] ^	0.46	U	ug/L	1	0.46	1.0	10	EPA 8260B	09/29/11 21:15	jkg	
Propionitrile [107-12-0] ^	5.0	U	ug/L	1	5.0	10	150	EPA 8260B	09/29/11 21:15	jkg	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	09/29/11 21:15	jkg	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	09/29/11 21:15	jkg	
Tetrahydrofuran [109-99-9] ^	0.80	U	ug/L	1	0.80	1.0	NE	EPA 8260B	09/29/11 21:15	jkg	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	09/29/11 21:15	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	09/29/11 21:15	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	09/29/11 21:15	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	09/29/11 21:15	jkg	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	09/29/11 21:15	jkg	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/29/11 21:15	jkg	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	09/29/11 21:15	jkg	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	09/29/11 21:15	jkg	
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	09/29/11 21:15	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*50*	*1*	*50.0*	*100 %*	*51-122*	*1I29027*	*EPA 8260B*	*09/29/11 21:15*	*jkg*	
Dibromofluoromethane	*54*	*1*	*50.0*	*107 %*	*68-117*	*1I29027*	*EPA 8260B*	*09/29/11 21:15*	*jkg*	
Toluene-d8	*54*	*1*	*50.0*	*109 %*	*69-110*	*1I29027*	*EPA 8260B*	*09/29/11 21:15*	*jkg*	

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

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1I28005 - EPA 5030B_MS

Blank (1I28005-BLK1) Prepared: 09/28/2011 07:55 Analyzed: 09/28/2011 09:58

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.90	U	1.0	ug/L							
1,1,1-Trichloroethane	0.65	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.75	U	1.0	ug/L							
1,1,2-Trichloroethane	0.66	U	1.0	ug/L							
1,1-Dichloroethane	0.080	U	1.0	ug/L							
1,1-Dichloroethene	0.60	U	1.0	ug/L							
1,2,3-Trichloropropane	0.72	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.11	U	1.0	ug/L							
1,2-Dichloroethane	0.47	U	1.0	ug/L							
1,2-Dichloropropane	0.59	U	1.0	ug/L							
1,4-Dichlorobenzene	0.79	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Acrylonitrile	3.5	U	10	ug/L							
Benzene	0.68	U	1.0	ug/L							
Bromochloromethane	0.87	U	1.0	ug/L							
Bromodichloromethane	0.75	U	1.0	ug/L							
Bromoform	0.68	U	1.0	ug/L							
Bromomethane	0.58	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.69	U	1.0	ug/L							
Chlorobenzene	0.74	U	1.0	ug/L							
Chloroethane	0.75	U	1.0	ug/L							
Chloroform	0.70	U	1.0	ug/L							
Chloromethane	0.55	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.72	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.075	U	1.0	ug/L							
Dibromochloromethane	0.63	U	1.0	ug/L							
Dibromomethane	0.90	U	1.0	ug/L							
Ethylbenzene	0.62	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							
Methylene chloride	0.14	U	1.0	ug/L							
Styrene	0.053	U	1.0	ug/L							
Tetrachloroethene	0.73	U	1.0	ug/L							
Toluene	0.85	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.12	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.50	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.72	U	1.0	ug/L							
Trichlorofluoromethane	0.66	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.60	U	1.0	ug/L							
Xylenes (Total)	2.1	U	3.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*48*			*ug/L*	*50.0*		*95*	*51-122*			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1I28005 - EPA 5030B_MS

Blank (1I28005-BLK1) Continued Prepared: 09/28/2011 07:55 Analyzed: 09/28/2011 09:58

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Dibromofluoromethane	*50*			*ug/L*	*50.0*		*100*	*68-117*			
Surrogate: Toluene-d8	*47*			*ug/L*	*50.0*		*94*	*69-110*			

LCS (1I28005-BS1) Prepared: 09/28/2011 07:55 Analyzed: 09/28/2011 11:26

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0		111	75-133			
Benzene	21		1.0	ug/L	20.0		103	81-134			
Chlorobenzene	21		1.0	ug/L	20.0		106	83-117			
Toluene	22		1.0	ug/L	20.0		112	71-118			
Trichloroethene	21		1.0	ug/L	20.0		103	75-115			

Matrix Spike (1I28005-MS1) Prepared: 09/28/2011 07:55 Analyzed: 09/28/2011 10:28

Source: C110552-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	24		1.0	ug/L	20.0	0.60 U	121	75-133			
Benzene	24		1.0	ug/L	20.0	1.4	112	81-134			
Chlorobenzene	30		1.0	ug/L	20.0	8.4	109	83-117			
Toluene	23		1.0	ug/L	20.0	0.85 U	117	71-118			
Trichloroethene	22		1.0	ug/L	20.0	0.72 U	108	75-115			

Matrix Spike Dup (1I28005-MSD1) Prepared: 09/28/2011 07:55 Analyzed: 09/28/2011 10:57

Source: C110552-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	23		1.0	ug/L	20.0	0.60 U	116	75-133	4	20	
Benzene	23		1.0	ug/L	20.0	1.4	107	81-134	5	17	
Chlorobenzene	29		1.0	ug/L	20.0	8.4	102	83-117	5	16	
Toluene	22		1.0	ug/L	20.0	0.85 U	112	71-118	5	17	
Trichloroethene	21		1.0	ug/L	20.0	0.72 U	106	75-115	2	18	

Batch 1I28010 - EPA 5030B_MS

Blank (1I28010-BLK1) Prepared: 09/28/2011 08:44 Analyzed: 09/28/2011 22:39

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.90	U	1.0	ug/L							
1,1,1-Trichloroethane	0.65	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.75	U	1.0	ug/L							
1,1,2-Trichloroethane	0.66	U	1.0	ug/L							
1,1-Dichloroethane	0.080	U	1.0	ug/L							
1,1-Dichloroethene	0.60	U	1.0	ug/L							
1,2,3-Trichloropropane	0.72	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.11	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1I28010 - EPA 5030B_MS

Blank (1I28010-BLK1) Continued Prepared: 09/28/2011 08:44 Analyzed: 09/28/2011 22:39

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dichloroethane	0.47	U	1.0	ug/L							
1,2-Dichloropropane	0.59	U	1.0	ug/L							
1,4-Dichlorobenzene	0.79	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Acrylonitrile	3.5	U	10	ug/L							
Benzene	0.68	U	1.0	ug/L							
Bromochloromethane	0.87	U	1.0	ug/L							
Bromodichloromethane	0.75	U	1.0	ug/L							
Bromoform	0.68	U	1.0	ug/L							
Bromomethane	0.58	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.69	U	1.0	ug/L							
Chlorobenzene	0.74	U	1.0	ug/L							
Chloroethane	0.75	U	1.0	ug/L							
Chloroform	0.70	U	1.0	ug/L							
Chloromethane	0.55	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.72	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.075	U	1.0	ug/L							
Dibromochloromethane	0.63	U	1.0	ug/L							
Dibromomethane	0.90	U	1.0	ug/L							
Ethylbenzene	0.62	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							
Methylene chloride	0.14	U	1.0	ug/L							
Styrene	0.053	U	1.0	ug/L							
Tetrachloroethene	0.73	U	1.0	ug/L							
Toluene	0.85	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.12	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.50	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.72	U	1.0	ug/L							
Trichlorofluoromethane	0.66	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.60	U	1.0	ug/L							
Xylenes (Total)	2.1	U	3.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*48*			*ug/L*	*50.0*		*95*	*51-122*			
Surrogate: Dibromofluoromethane	*52*			*ug/L*	*50.0*		*105*	*68-117*			
Surrogate: Toluene-d8	*48*			*ug/L*	*50.0*		*96*	*69-110*			

LCS (1I28010-BS1) Prepared: 09/28/2011 08:44 Analyzed: 09/29/2011 00:06

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0		108	75-133			
Benzene	20		1.0	ug/L	20.0		100	81-134			
Chlorobenzene	20		1.0	ug/L	20.0		101	83-117			
Toluene	21		1.0	ug/L	20.0		105	71-118			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1I28010 - EPA 5030B_MS

LCS (1I28010-BS1) Continued Prepared: 09/28/2011 08:44 Analyzed: 09/29/2011 00:06

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Trichloroethene	21		1.0	ug/L	20.0		103	75-115			

Matrix Spike (1I28010-MS1) Prepared: 09/28/2011 08:44 Analyzed: 09/28/2011 23:08

Source: C112107-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	23		1.0	ug/L	20.0	0.60 U	117	75-133			
Benzene	22		1.0	ug/L	20.0	0.68 U	110	81-134			
Chlorobenzene	22		1.0	ug/L	20.0	0.74 U	108	83-117			
Toluene	23		1.0	ug/L	20.0	0.85 U	113	71-118			
Trichloroethene	23		1.0	ug/L	20.0	0.72 U	113	75-115			

Matrix Spike Dup (1I28010-MSD1) Prepared: 09/28/2011 08:44 Analyzed: 09/28/2011 23:37

Source: C112107-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0	0.60 U	111	75-133	6	20	
Benzene	21		1.0	ug/L	20.0	0.68 U	105	81-134	5	17	
Chlorobenzene	20		1.0	ug/L	20.0	0.74 U	102	83-117	6	16	
Toluene	21		1.0	ug/L	20.0	0.85 U	107	71-118	5	17	
Trichloroethene	21		1.0	ug/L	20.0	0.72 U	105	75-115	7	18	

Batch 1I29027 - EPA 5030B_MS

Blank (1I29027-BLK1) Prepared: 09/29/2011 11:37 Analyzed: 09/29/2011 16:18

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.90	U	1.0	ug/L							
1,1,1-Trichloroethane	0.65	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.75	U	1.0	ug/L							
1,1,2-Trichloroethane	0.66	U	1.0	ug/L							
1,1-Dichloroethane	0.080	U	1.0	ug/L							
1,1-Dichloroethene	0.60	U	1.0	ug/L							
1,1-Dichloropropene	0.66	U	1.0	ug/L							
1,2,3-Trichloropropane	0.72	U	1.0	ug/L							
1,2,4-Trichlorobenzene	0.58	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.11	U	1.0	ug/L							
1,2-Dichloroethane	0.47	U	1.0	ug/L							
1,2-Dichloropropane	0.59	U	1.0	ug/L							
1,3-Dichlorobenzene	0.79	U	1.0	ug/L							
1,3-Dichloropropane	0.67	U	1.0	ug/L							
1,4-Dichlorobenzene	0.79	U	1.0	ug/L							
2,2-Dichloropropane	0.56	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
3-Chloropropene	0.11	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1I29027 - EPA 5030B_MS

Blank (1I29027-BLK1) Continued Prepared: 09/29/2011 11:37 Analyzed: 09/29/2011 16:18

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Acetonitrile	5.0	U	10	ug/L							
Acrolein	4.0	U	10	ug/L							
Acrylonitrile	3.5	U	10	ug/L							
Benzene	0.68	U	1.0	ug/L							
Bromochloromethane	0.87	U	1.0	ug/L							
Bromodichloromethane	0.75	U	1.0	ug/L							
Bromoform	0.68	U	1.0	ug/L							
Bromomethane	0.58	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.69	U	1.0	ug/L							
Chlorobenzene	0.74	U	1.0	ug/L							
Chloroethane	0.75	U	1.0	ug/L							
Chloroform	0.70	U	1.0	ug/L							
Chloromethane	0.55	U	1.0	ug/L							
Chloroprene	0.64	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.72	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.075	U	1.0	ug/L							
Dibromochloromethane	0.63	U	1.0	ug/L							
Dibromomethane	0.90	U	1.0	ug/L							
Dichlorodifluoromethane	0.56	U	1.0	ug/L							
Ethyl Methacrylate	0.38	U	1.0	ug/L							
Ethylbenzene	0.62	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							
Isobutyl alcohol	11	U	50	ug/L							
Methacrylonitrile	4.9	U	10	ug/L							
Methyl Methacrylate	0.51	U	1.0	ug/L							
Methylene chloride	0.14	U	1.0	ug/L							
Naphthalene	0.46	U	1.0	ug/L							
Propionitrile	5.0	U	10	ug/L							
Styrene	0.053	U	1.0	ug/L							
Tetrachloroethene	0.73	U	1.0	ug/L							
Tetrahydrofuran	0.80	U	1.0	ug/L							
Toluene	0.85	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.12	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.50	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.72	U	1.0	ug/L							
Trichlorofluoromethane	0.66	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.60	U	1.0	ug/L							
Xylenes (Total)	2.1	U	3.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*51*			*ug/L*	*50.0*		*102*	*51-122*			
Surrogate: Dibromofluoromethane	*52*			*ug/L*	*50.0*		*105*	*68-117*			
Surrogate: Toluene-d8	*53*			*ug/L*	*50.0*		*106*	*69-110*			

LCS (1I29027-BS1) Prepared: 09/29/2011 11:37 Analyzed: 09/29/2011 16:47

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1I29027 - EPA 5030B_MS

LCS (1I29027-BS1) Continued Prepared: 09/29/2011 11:37 Analyzed: 09/29/2011 16:47

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0		102	75-133			
Benzene	22		1.0	ug/L	20.0		108	81-134			
Chlorobenzene	19		1.0	ug/L	20.0		93	83-117			
Toluene	18		1.0	ug/L	20.0		91	71-118			
Trichloroethene	19		1.0	ug/L	20.0		94	75-115			

Matrix Spike (1I29027-MS1) Prepared: 09/29/2011 11:37 Analyzed: 09/29/2011 17:17

Source: C110553-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0	0.60 U	108	75-133			
Benzene	23		1.0	ug/L	20.0	-1.0	120	81-134			
Chlorobenzene	20		1.0	ug/L	20.0	0.74 U	99	83-117			
Toluene	19		1.0	ug/L	20.0	0.85 U	94	71-118			
Trichloroethene	20		1.0	ug/L	20.0	0.82	95	75-115			

Matrix Spike Dup (1I29027-MSD1) Prepared: 09/29/2011 11:37 Analyzed: 09/29/2011 17:47

Source: C110553-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	21		1.0	ug/L	20.0	0.60 U	103	75-133	5	20	
Benzene	23		1.0	ug/L	20.0	-1.0	119	81-134	0.5	17	
Chlorobenzene	19		1.0	ug/L	20.0	0.74 U	94	83-117	5	16	
Toluene	19		1.0	ug/L	20.0	0.85 U	93	71-118	2	17	
Trichloroethene	20		1.0	ug/L	20.0	0.82	95	75-115	0.3	18	

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 1I27001 - EPA 3510C_MS

Blank (1I27001-BLK1) Prepared: 09/27/2011 03:42 Analyzed: 10/04/2011 15:47

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4,5-Tetrachlorobenzene	2.0	U	10	ug/L							
1,3,5-Trinitrobenzene	3.0	U	10	ug/L							
1,3-Dinitrobenzene	1.9	U	10	ug/L							
1,4-Naphthoquinone	2.5	U	10	ug/L							
1,4-Phenylenediamine	4.0	U	10	ug/L							
1-Naphthylamine	1.9	U	10	ug/L							
2,3,4,6-Tetrachlorophenol	2.0	U	10	ug/L							
2,4,5-Trichlorophenol	1.0	U	10	ug/L							
2,4,6-Trichlorophenol	1.1	U	10	ug/L							
2,4-Dichlorophenol	1.4	U	10	ug/L							
2,4-Dimethylphenol	1.3	U	10	ug/L							
2,4-Dinitrophenol	2.6	U	10	ug/L							
2,4-Dinitrotoluene	2.4	U	10	ug/L							
2,6-Dichlorophenol	1.1	U	10	ug/L							
2,6-Dinitrotoluene	1.5	U	10	ug/L							

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 1I27001 - EPA 3510C_MS

Blank (1I27001-BLK1) Continued Prepared: 09/27/2011 03:42 Analyzed: 10/04/2011 15:47

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Acetylaminofluorene	2.5	U	10	ug/L							
2-Chloronaphthalene	1.0	U	10	ug/L							
2-Chlorophenol	1.2	U	10	ug/L							
2-Methyl-4,6-dinitrophenol	2.9	U	10	ug/L							
2-Methylnaphthalene	1.5	U	10	ug/L							
2-Methylphenol	1.4	U	10	ug/L							
2-Naphthylamine	3.0	U	10	ug/L							
2-Nitroaniline	1.5	U	10	ug/L							
2-Nitrophenol	1.1	U	10	ug/L							
3 & 4-Methylphenol	1.6	U	10	ug/L							
3,3'-Dichlorobenzidine	3.3	U	10	ug/L							
3,3'-Dimethylbenzidine	2.2	U	10	ug/L							
3-Methylcholanthrene	1.3	U	10	ug/L							
3-Nitroaniline	2.1	U	10	ug/L							
4-Aminobiphenyl	2.1	U	10	ug/L							
4-Bromophenyl-phenylether	1.0	U	10	ug/L							
4-Chloro-3-methylphenol	1.5	U	10	ug/L							
4-Chloroaniline	1.2	U	10	ug/L							QV-01
4-Chlorophenyl-phenylether	1.6	U	10	ug/L							
4-Nitroaniline	3.2	U	10	ug/L							
4-Nitrophenol	2.0	U	10	ug/L							
5-Nitro-o-toluidine	3.2	U	10	ug/L							
7,12-Dimethylbenz(a)anthracene	1.1	U	10	ug/L							
Acenaphthene	1.4	U	10	ug/L							
Acenaphthylene	1.2	U	10	ug/L							
Acetophenone	1.3	U	10	ug/L							
Anthracene	1.6	U	10	ug/L							
Benzo(a)anthracene	1.3	U	10	ug/L							
Benzo(a)pyrene	1.3	U	10	ug/L							
Benzo(b)fluoranthene	1.0	U	10	ug/L							
Benzo(g,h,i)perylene	2.4	U	10	ug/L							
Benzo(k)fluoranthene	1.3	U	10	ug/L							
Benzyl alcohol	1.4	U	10	ug/L							
Bis(2-chloroethoxy)methane	1.4	U	10	ug/L							
Bis(2-chloroethyl)ether	1.2	U	10	ug/L							
Bis(2-chloroisopropyl)ether	1.3	U	10	ug/L							
Bis(2-ethylhexyl)phthalate	1.7	U	5.0	ug/L							
Butylbenzylphthalate	2.0	U	10	ug/L							
Chlorobenzilate	1.0	U	10	ug/L							
Chrysene	2.0	U	10	ug/L							
Diallate	1.0	U	10	ug/L							
Dibenzo(a,h)anthracene	2.3	U	10	ug/L							
Dibenzofuran	1.4	U	10	ug/L							
Diethylphthalate	2.1	U	10	ug/L							
Dimethoate	2.3	U	10	ug/L							
Dimethylphthalate	1.4	U	10	ug/L							
Di-n-butylphthalate	1.5	U	10	ug/L							
Di-n-octylphthalate	3.1	U	10	ug/L							
Disulfoton	1.1	U	10	ug/L							

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 1I27001 - EPA 3510C_MS

Blank (1I27001-BLK1) Continued Prepared: 09/27/2011 03:42 Analyzed: 10/04/2011 15:47

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Ethyl methanesulfonate	1.2	U	10	ug/L							
Famphur	2.7	U	10	ug/L							
Fluoranthene	2.1	U	10	ug/L							
Fluorene	1.7	U	10	ug/L							
Hexachlorobenzene	1.0	U	10	ug/L							
Hexachlorobutadiene	1.2	U	10	ug/L							
Hexachlorocyclopentadiene	1.3	U	10	ug/L							
Hexachloroethane	1.1	U	10	ug/L							
Hexachloropropene	1.7	U	10	ug/L							
Indeno(1,2,3-cd)pyrene	2.2	U	10	ug/L							
Isodrin	1.0	U	10	ug/L							
Isophorone	1.3	U	10	ug/L							
Isosafrole	1.3	U	10	ug/L							
Kepone	7.2	U	20	ug/L							
Methapyrilene	3.5	U	10	ug/L							
Methyl Methanesulfonate	1.0	U	10	ug/L							
Methyl parathion	2.5	U	10	ug/L							
Nitrobenzene	1.2	U	10	ug/L							
N-Nitrosodiethylamine	1.3	U	10	ug/L							
N-Nitrosodimethylamine	1.3	U	10	ug/L							
N-Nitrosodi-n-butylamine	1.2	U	10	ug/L							
N-Nitroso-di-n-propylamine	1.5	U	10	ug/L							
N-nitrosodiphenylamine/Diphenylamine	2.1	U	10	ug/L							
N-Nitrosomethylethylamine	1.9	U	10	ug/L							
N-Nitrosopiperidine	1.1	U	10	ug/L							
N-Nitrosopyrrolidine	1.3	U	10	ug/L							
O,O,O-Triethyl phosphorothioate	1.3	U	10	ug/L							
o-Toluidine	1.1	U	10	ug/L							
Parathion	1.7	U	10	ug/L							
p-Dimethylaminoazobenzene	1.4	U	10	ug/L							
Pentachlorobenzene	1.3	U	10	ug/L							
Pentachloronitrobenzene	1.0	U	10	ug/L							
Phenacetin	2.7	U	10	ug/L							
Phenanthrene	1.4	U	10	ug/L							
Phenol	1.4	U	10	ug/L							
Phorate	1.0	U	10	ug/L							
Pronamide	1.4	U	10	ug/L							
Pyrene	2.1	U	10	ug/L							
Safrole	1.2	U	10	ug/L							
Thionazin	2.3	U	10	ug/L							
Surrogate: 2,4,6-Tribromophenol	*85*			*ug/L*	*100*		*85*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*40*			*ug/L*	*50.0*		*81*	*10-149*			
Surrogate: 2-Fluorophenol	*63*			*ug/L*	*100*		*63*	*10-110*			
Surrogate: Nitrobenzene-d5	*38*			*ug/L*	*50.0*		*76*	*10-149*			
Surrogate: Phenol-d5	*55*			*ug/L*	*100*		*55*	*10-88*			
Surrogate: Terphenyl-d14	*52*			*ug/L*	*50.0*		*103*	*10-188*			

LCS (1I27001-BS1) Prepared: 09/27/2011 03:42 Analyzed: 10/04/2011 16:29

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 1I27001 - EPA 3510C_MS

LCS (1I27001-BS1) Continued Prepared: 09/27/2011 03:42 Analyzed: 10/04/2011 16:29

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Chlorophenol	41		10	ug/L	50.0		82	40-109			
4-Chloro-3-methylphenol	48		10	ug/L	50.0		96	58-121			
4-Nitrophenol	38		10	ug/L	50.0		76	33-105			
Acenaphthene	42		10	ug/L	50.0		83	39-125			
N-Nitroso-di-n-propylamine	46		10	ug/L	50.0		92	48-126			
Phenol	31		10	ug/L	50.0		63	19-78			
Pyrene	50		10	ug/L	50.0		100	44-137			
Surrogate: 2,4,6-Tribromophenol	*88*			*ug/L*	*100*		*88*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*42*			*ug/L*	*50.0*		*83*	*10-149*			
Surrogate: 2-Fluorophenol	*66*			*ug/L*	*100*		*66*	*10-110*			
Surrogate: Nitrobenzene-d5	*41*			*ug/L*	*50.0*		*81*	*10-149*			
Surrogate: Phenol-d5	*58*			*ug/L*	*100*		*58*	*10-88*			
Surrogate: Terphenyl-d14	*49*			*ug/L*	*50.0*		*98*	*10-188*			

Matrix Spike (1I27001-MS1) Prepared: 09/27/2011 03:42 Analyzed: 10/04/2011 16:57

Source: C110553-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Chlorophenol	32		10	ug/L	50.0	1.2 U	64	40-109			
4-Chloro-3-methylphenol	46		10	ug/L	50.0	1.5 U	92	58-121			
4-Nitrophenol	31		10	ug/L	50.0	2.0 U	62	33-105			
Acenaphthene	40		10	ug/L	50.0	1.4 U	79	39-125			
N-Nitroso-di-n-propylamine	37		10	ug/L	50.0	1.5 U	74	48-126			
Phenol	25		10	ug/L	50.0	1.4 U	51	19-78			
Pyrene	45		10	ug/L	50.0	2.1 U	91	44-137			
Surrogate: 2,4,6-Tribromophenol	*84*			*ug/L*	*100*		*84*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*36*			*ug/L*	*50.0*		*73*	*10-149*			
Surrogate: 2-Fluorophenol	*49*			*ug/L*	*100*		*49*	*10-110*			
Surrogate: Nitrobenzene-d5	*31*			*ug/L*	*50.0*		*62*	*10-149*			
Surrogate: Phenol-d5	*47*			*ug/L*	*100*		*47*	*10-88*			
Surrogate: Terphenyl-d14	*44*			*ug/L*	*50.0*		*88*	*10-188*			

Matrix Spike Dup (1I27001-MSD1) Prepared: 09/27/2011 03:42 Analyzed: 10/04/2011 17:25

Source: C110553-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Chlorophenol	32		10	ug/L	50.0	1.2 U	64	40-109	0.3	22	
4-Chloro-3-methylphenol	47		10	ug/L	50.0	1.5 U	95	58-121	3	22	
4-Nitrophenol	34		10	ug/L	50.0	2.0 U	68	33-105	10	27	
Acenaphthene	40		10	ug/L	50.0	1.4 U	80	39-125	0.9	25	
N-Nitroso-di-n-propylamine	37		10	ug/L	50.0	1.5 U	74	48-126	0.8	23	
Phenol	26		10	ug/L	50.0	1.4 U	51	19-78	0.9	18	
Pyrene	49		10	ug/L	50.0	2.1 U	98	44-137	7	24	
Surrogate: 2,4,6-Tribromophenol	*91*			*ug/L*	*100*		*91*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*37*			*ug/L*	*50.0*		*73*	*10-149*			
Surrogate: 2-Fluorophenol	*51*			*ug/L*	*100*		*51*	*10-110*			
Surrogate: Nitrobenzene-d5	*31*			*ug/L*	*50.0*		*63*	*10-149*			

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 1I27001 - EPA 3510C_MS

Matrix Spike Dup (1I27001-MSD1) Continued Prepared: 09/27/2011 03:42 Analyzed: 10/04/2011 17:25

Source: C110553-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Phenol-d5	*48*			*ug/L*	*100*		*48*	*10-88*			
Surrogate: Terphenyl-d14	*49*			*ug/L*	*50.0*		*98*	*10-188*			

Organochlorine Pesticides by GC - Quality Control

Batch 1I26001 - EPA 3510C

Blank (1I26001-BLK1) Prepared: 09/26/2011 06:10 Analyzed: 09/28/2011 11:31

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDD	0.044	U	0.050	ug/L							
4,4'-DDE	0.048	U	0.050	ug/L							
4,4'-DDT	0.049	U	0.050	ug/L							
Aldrin	0.038	U	0.050	ug/L							
alpha-BHC	0.027	U	0.050	ug/L							
beta-BHC	0.027	U	0.050	ug/L							
Chlordane (tech)	0.20	U	0.50	ug/L							
Chlordane-alpha	0.048	U	0.050	ug/L							
Chlordane-gamma	0.040	U	0.050	ug/L							
delta-BHC	0.022	U	0.050	ug/L							
Dieldrin	0.0020	U	0.050	ug/L							
Endosulfan I	0.041	U	0.050	ug/L							
Endosulfan II	0.029	U	0.050	ug/L							
Endosulfan sulfate	0.025	U	0.050	ug/L							
Endrin	0.029	U	0.050	ug/L							
Endrin aldehyde	0.031	U	0.050	ug/L							
gamma-BHC	0.022	U	0.050	ug/L							
Heptachlor	0.038	U	0.050	ug/L							
Heptachlor epoxide	0.027	U	0.050	ug/L							
Methoxychlor	0.025	U	0.050	ug/L							
Toxaphene	0.22	U	0.50	ug/L							
Surrogate: 2,4,5,6-TCMX	*1.0*			*ug/L*	*1.00*		*103*	*44-134*			
Surrogate: Decachlorobiphenyl	*1.1*			*ug/L*	*1.00*		*108*	*37-149*			

LCS (1I26001-BS1) Prepared: 09/26/2011 06:10 Analyzed: 09/28/2011 11:45

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDT	1.1		0.050	ug/L	1.00		106	37-139			
Dieldrin	1.1		0.050	ug/L	1.00		113	46-132			
Endrin	1.1		0.050	ug/L	1.00		106	43-133			
Surrogate: 2,4,5,6-TCMX	*0.99*			*ug/L*	*1.00*		*99*	*44-134*			
Surrogate: Decachlorobiphenyl	*1.1*			*ug/L*	*1.00*		*108*	*37-149*			

Matrix Spike (1I26001-MS1) Prepared: 09/26/2011 06:10 Analyzed: 09/28/2011 11:58

Source: C110553-02

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

QUALITY CONTROL

Organochlorine Pesticides by GC - Quality Control

Batch 1I26001 - EPA 3510C

Matrix Spike (1I26001-MS1) Continued Prepared: 09/26/2011 06:10 Analyzed: 09/28/2011 11:58

Source: C110553-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDT	0.84		0.050	ug/L	1.00	0.049 U	84	37-139			
Dieldrin	0.67		0.050	ug/L	1.00	0.0020 U	67	46-132			
Endrin	0.66		0.050	ug/L	1.00	0.029 U	66	43-133			
Surrogate: 2,4,5,6-TCMX	*0.68*			*ug/L*	*1.00*		*68*	*44-134*			
Surrogate: Decachlorobiphenyl	*1.1*			*ug/L*	*1.00*		*110*	*37-149*			

Matrix Spike Dup (1I26001-MSD1) Prepared: 09/26/2011 06:10 Analyzed: 09/28/2011 12:11

Source: C110553-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDT	1.1		0.050	ug/L	1.00	0.049 U	108	37-139	25	26	
Dieldrin	0.99		0.050	ug/L	1.00	0.0020 U	99	46-132	38	27	QR-02
Endrin	0.95		0.050	ug/L	1.00	0.029 U	95	43-133	37	26	QR-02
Surrogate: 2,4,5,6-TCMX	*1.2*			*ug/L*	*1.00*		*117*	*44-134*			
Surrogate: Decachlorobiphenyl	*0.90*			*ug/L*	*1.00*		*90*	*37-149*			

Polychlorinated Biphenyls by GC - Quality Control

Batch 1I26002 - EPA 3510C

Blank (1I26002-BLK1) Prepared: 09/26/2011 06:12 Analyzed: 09/28/2011 11:31

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	0.19	U	0.50	ug/L							
PCB-1221	0.046	U	0.50	ug/L							
PCB-1232	0.028	U	0.50	ug/L							
PCB-1248	0.014	U	0.50	ug/L							
PCB-1254	0.015	U	0.50	ug/L							
PCB-1260	0.13	U	0.50	ug/L							
Surrogate: 2,4,5,6-TCMX	*1.0*			*ug/L*	*1.00*		*103*	*45-151*			
Surrogate: Decachlorobiphenyl	*1.1*			*ug/L*	*1.00*		*108*	*42-159*			

LCS (1I26002-BS1) Prepared: 09/26/2011 06:12 Analyzed: 09/28/2011 12:24

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	8.4		0.50	ug/L	10.0		84	66-149			
PCB-1260	10		0.50	ug/L	10.0		103	64-150			
Surrogate: 2,4,5,6-TCMX	*0.86*			*ug/L*	*1.00*		*86*	*45-151*			
Surrogate: Decachlorobiphenyl	*0.99*			*ug/L*	*1.00*		*99*	*42-159*			

Matrix Spike (1I26002-MS1) Prepared: 09/26/2011 06:12 Analyzed: 09/28/2011 12:38

Source: C110553-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	11		0.50	ug/L	10.0	0.19 U	107	66-149			
PCB-1260	12		0.50	ug/L	10.0	0.13 U	115	64-150			

QUALITY CONTROL

Polychlorinated Biphenyls by GC - Quality Control

Batch 1I26002 - EPA 3510C

Matrix Spike (1I26002-MS1) Continued Prepared: 09/26/2011 06:12 Analyzed: 09/28/2011 12:38

Source: C110553-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: 2,4,5,6-TCMX	*0.98*			*ug/L*	*1.00*		*98*	*45-151*			
Surrogate: Decachlorobiphenyl	*0.91*			*ug/L*	*1.00*		*91*	*42-159*			

Matrix Spike Dup (1I26002-MSD1) Prepared: 09/26/2011 06:12 Analyzed: 09/28/2011 12:51

Source: C110553-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	11		0.50	ug/L	10.0	0.19 U	105	66-149	2	21	
PCB-1260	11		0.50	ug/L	10.0	0.13 U	109	64-150	5	18	
Surrogate: 2,4,5,6-TCMX	*0.93*			*ug/L*	*1.00*		*93*	*45-151*			
Surrogate: Decachlorobiphenyl	*0.85*			*ug/L*	*1.00*		*85*	*42-159*			

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 1I26018 - EPA 245.1

Blank (1I26018-BLK1) Prepared: 09/26/2011 09:20 Analyzed: 09/26/2011 14:13

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.170	U	0.200	ug/L							

LCS (1I26018-BS1) Prepared: 09/26/2011 09:20 Analyzed: 09/26/2011 14:16

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.75		0.200	ug/L	5.00		95	85-115			

Matrix Spike (1I26018-MS1) Prepared: 09/26/2011 09:20 Analyzed: 09/26/2011 14:32

Source: C110552-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.28		0.200	ug/L	5.00	0.170 U	86	85-115			

Matrix Spike Dup (1I26018-MSD1) Prepared: 09/26/2011 09:20 Analyzed: 09/26/2011 14:25

Source: C110552-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.30		0.200	ug/L	5.00	0.170 U	86	85-115	0.3	15	

Post Spike (1I26018-PS1) Prepared: 09/26/2011 09:20 Analyzed: 09/26/2011 14:29

Source: C110552-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	3.63		0.200	ug/L	5.00	-0.00130	73	75-125			QM-08

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

QUALITY CONTROL

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

Batch 1I23025 - EPA 3005A

Blank (1I23025-BLK1) Prepared: 09/23/2011 12:39 Analyzed: 09/26/2011 11:32

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	2.80	U	10.0	ug/L							
Barium	1.00	U	10.0	ug/L							
Beryllium	0.100	U	1.00	ug/L							
Cadmium	0.360	U	1.00	ug/L							
Chromium	1.00	U	10.0	ug/L							
Cobalt	1.10	U	10.0	ug/L							
Copper	1.60	U	10.0	ug/L							
Iron	22.0	U	50.0	ug/L							
Lead	1.90	U	10.0	ug/L							
Manganese	1.10	U	10.0	ug/L							
Nickel	1.80	U	10.0	ug/L							
Selenium	2.70	U	10.0	ug/L							
Silver	1.90	U	10.0	ug/L							
Tin	2.10	U	10.0	ug/L							
Vanadium	1.40	U	10.0	ug/L							
Zinc	3.80	U	10.0	ug/L							

LCS (1I23025-BS1) Prepared: 09/23/2011 12:39 Analyzed: 09/26/2011 11:34

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	200		10.0	ug/L	200		100	80-120			
Barium	202		10.0	ug/L	200		101	80-120			
Beryllium	20.1		1.00	ug/L	20.0		101	80-120			
Cadmium	20.6		1.00	ug/L	20.0		103	80-120			
Chromium	200		10.0	ug/L	200		100	80-120			
Cobalt	207		10.0	ug/L	200		104	80-120			
Copper	197		10.0	ug/L	200		98	80-120			
Iron	1030		50.0	ug/L	1000		103	80-120			
Lead	203		10.0	ug/L	200		102	80-120			
Manganese	200		10.0	ug/L	200		100	80-120			
Nickel	203		10.0	ug/L	200		101	80-120			
Selenium	198		10.0	ug/L	200		99	80-120			
Silver	205		10.0	ug/L	200		103	80-120			
Tin	198		10.0	ug/L	200		99	80-120			
Vanadium	203		10.0	ug/L	200		101	80-120			
Zinc	201		10.0	ug/L	200		101	80-120			

Matrix Spike (1I23025-MS1) Prepared: 09/23/2011 12:39 Analyzed: 09/26/2011 11:44

Source: C110552-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	203		10.0	ug/L	200	5.48	99	75-125			
Barium	654		10.0	ug/L	200	453	100	75-125			
Beryllium	20.9		1.00	ug/L	20.0	0.707	101	75-125			
Cadmium	21.5		1.00	ug/L	20.0	0.666	104	75-125			
Chromium	203		10.0	ug/L	200	5.20	99	75-125			
Cobalt	204		10.0	ug/L	200	1.10 U	102	75-125			
Copper	198		10.0	ug/L	200	1.60 U	99	75-125			

QUALITY CONTROL

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

Batch 1I23025 - EPA 3005A

Matrix Spike (1I23025-MS1) Continued Prepared: 09/23/2011 12:39 Analyzed: 09/26/2011 11:44

Source: C110552-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Iron	3620		50.0	ug/L	1000	2550	108	75-125			
Lead	202		10.0	ug/L	200	3.27	99	75-125			
Manganese	3480		10.0	ug/L	200	3260	107	75-125			
Nickel	205		10.0	ug/L	200	1.80 U	102	75-125			
Selenium	198		10.0	ug/L	200	2.70 U	99	75-125			
Silver	203		10.0	ug/L	200	1.90 U	102	75-125			
Tin	203		10.0	ug/L	200	4.26	100	75-125			
Vanadium	206		10.0	ug/L	200	2.88	102	75-125			
Zinc	215		10.0	ug/L	200	9.85	103	75-125			

Matrix Spike Dup (1I23025-MSD1) Prepared: 09/23/2011 12:39 Analyzed: 09/26/2011 11:46

Source: C110552-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	209		10.0	ug/L	200	5.48	102	75-125	3	20	
Barium	662		10.0	ug/L	200	453	104	75-125	1	20	
Beryllium	21.2		1.00	ug/L	20.0	0.707	103	75-125	2	20	
Cadmium	21.9		1.00	ug/L	20.0	0.666	106	75-125	1	20	
Chromium	206		10.0	ug/L	200	5.20	100	75-125	1	20	
Cobalt	206		10.0	ug/L	200	1.10 U	103	75-125	1	20	
Copper	200		10.0	ug/L	200	1.60 U	100	75-125	1	20	
Iron	3810		50.0	ug/L	1000	2550	126	75-125	5	20	QM-07
Lead	205		10.0	ug/L	200	3.27	101	75-125	1	20	
Manganese	3530		10.0	ug/L	200	3260	131	75-125	1	20	QM-07
Nickel	207		10.0	ug/L	200	1.80 U	104	75-125	1	20	
Selenium	196		10.0	ug/L	200	2.70 U	98	75-125	0.8	20	
Silver	206		10.0	ug/L	200	1.90 U	103	75-125	1	20	
Tin	206		10.0	ug/L	200	4.26	101	75-125	1	20	
Vanadium	209		10.0	ug/L	200	2.88	103	75-125	1	20	
Zinc	218		10.0	ug/L	200	9.85	104	75-125	1	20	

Post Spike (1I23025-PS1) Prepared: 09/23/2011 12:39 Analyzed: 09/26/2011 11:48

Source: C110552-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	0.201		0.0100	mg/L	0.200	0.00548	98	80-120			
Barium	0.643		0.0100	mg/L	0.200	0.453	95	80-120			
Beryllium	0.0206		0.00100	mg/L	0.0200	0.000707	100	80-120			
Cadmium	0.0213		0.00100	mg/L	0.0200	0.000666	103	80-120			
Chromium	0.202		0.0100	mg/L	0.200	0.00520	98	80-120			
Cobalt	0.201		0.0100	mg/L	0.200	0.000186	101	80-120			
Copper	0.197		0.0100	mg/L	0.200	-0.000478	99	80-120			
Iron	3.54		0.0500	mg/L	1.00	2.55	99	80-120			
Lead	0.199		0.0100	mg/L	0.200	0.00327	98	80-120			
Manganese	3.43		0.0100	mg/L	0.200	3.26	83	80-120			
Nickel	0.204		0.0100	mg/L	0.200	0.000660	101	80-120			
Selenium	0.197		0.0100	mg/L	0.200	-0.0129	105	80-120			

QUALITY CONTROL

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

Batch 1I23025 - EPA 3005A

Post Spike (1I23025-PS1) Continued Prepared: 09/23/2011 12:39 Analyzed: 09/26/2011 11:48

Source: C110552-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Silver	0.137		0.0100	mg/L	0.200	0.00109	68	80-120			QM-07
Tin	0.202		0.0100	mg/L	0.200	0.00426	99	80-120			
Vanadium	0.204		0.0100	mg/L	0.200	0.00288	101	80-120			
Zinc	0.213		0.0100	mg/L	0.200	0.00985	102	80-120			

Batch 1I23027 - EPA 3005A

Blank (1I23027-BLK1) Prepared: 09/23/2011 12:50 Analyzed: 09/27/2011 12:07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.220	U	2.00	ug/L							
Thallium	0.110	U	1.00	ug/L							

LCS (1I23027-BS1) Prepared: 09/23/2011 12:50 Analyzed: 09/27/2011 12:10

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	24.5		2.00	ug/L	25.0		98	80-120			
Thallium	27.5		1.00	ug/L	25.0		110	80-120			

Matrix Spike (1I23027-MS1) Prepared: 09/23/2011 12:50 Analyzed: 09/27/2011 12:28

Source: C110552-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	23.7		2.00	ug/L	25.0	0.408	93	75-125			
Thallium	26.5		1.00	ug/L	25.0	0.110 U	106	75-125			

Matrix Spike Dup (1I23027-MSD1) Prepared: 09/23/2011 12:50 Analyzed: 09/27/2011 12:31

Source: C110552-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	23.2		2.00	ug/L	25.0	0.408	91	75-125	2	20	
Thallium	26.9		1.00	ug/L	25.0	0.110 U	108	75-125	2	20	

Post Spike (1I23027-PS1) Prepared: 09/23/2011 12:50 Analyzed: 09/27/2011 12:35

Source: C110552-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	25.8		2.00	ug/L	25.0	0.408	102	80-120			
Thallium	27.5		1.00	ug/L	25.0	-0.532	112	80-120			

Classical Chemistry Parameters - Quality Control

Batch 1I26025 - NO PREP

Blank (1I26025-BLK1) Prepared: 09/26/2011 11:44 Analyzed: 09/26/2011 11:57

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 1I26025 - NO PREP

Blank (1I26025-BLK1) Continued Prepared: 09/26/2011 11:44 Analyzed: 09/26/2011 11:57

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	10	U	100	ug/L							

LCS (1I26025-BS1) Prepared: 09/26/2011 11:44 Analyzed: 09/26/2011 11:57

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	0.41		0.10	mg/L	0.401		102	80-120			

Matrix Spike (1I26025-MS1) Prepared: 09/26/2011 11:44 Analyzed: 09/26/2011 11:57

Source: C110553-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	0.020		0.10	mg/L	0.401	-0.015	9	80-120			QM-05

Matrix Spike Dup (1I26025-MSD1) Prepared: 09/26/2011 11:44 Analyzed: 09/26/2011 11:57

Source: C110553-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	0.019		0.10	mg/L	0.401	-0.015	9	80-120	8	25	QM-05

Batch 1I28007 - Same

Blank (1I28007-BLK1) Prepared: 09/28/2011 10:13 Analyzed: 09/28/2011 17:53

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	0.0039	U	0.010	mg/L							

LCS (1I28007-BS1) Prepared: 09/28/2011 10:13 Analyzed: 09/28/2011 17:55

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	0.15		0.010	mg/L	0.150		99	85-115			

Matrix Spike (1I28007-MS1) Prepared: 09/28/2011 10:13 Analyzed: 09/28/2011 17:57

Source: C112107-20

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	0.15		0.010	mg/L	0.150	0.0006	97	85-115			

Matrix Spike (1I28007-MS2) Prepared: 09/28/2011 13:14 Analyzed: 09/28/2011 18:01

Source: C110553-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	0.15		0.010	mg/L	0.150	0.0007	100	85-115			

Matrix Spike Dup (1I28007-MSD1) Prepared: 09/28/2011 10:13 Analyzed: 09/28/2011 17:59

Source: C112107-20

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 1I28007 - Same

Matrix Spike Dup (1I28007-MSD1) Continued Prepared: 09/28/2011 10:13 Analyzed: 09/28/2011 17:59

Source: C112107-20

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	0.15		0.010	mg/L	0.150	0.0006	99	85-115	2	20	

Matrix Spike Dup (1I28007-MSD2) Prepared: 09/28/2011 13:14 Analyzed: 09/28/2011 18:03

Source: C110553-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	0.15		0.010	mg/L	0.150	0.0007	98	85-115	1	20	

QUALITY CONTROL

Chlorinated Herbicides by GC - Quality Control

Batch 1I27018 - EPA 3510C

Blank (1I27018-BLK1) Prepared: 09/27/2011 17:30 Analyzed: 09/30/2011 17:53

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-T	0.14	U	0.50	ug/L							
2,4,5-TP (Silvex)	0.15	U	0.50	ug/L							
2,4-D	0.15	U	0.50	ug/L							
Dinoseb	0.32	U	0.50	ug/L							
Pentachlorophenol	0.13	U	0.50	ug/L							
Surrogate: 2,4-DCAA	*2.2*			*ug/L*	*2.00*		*112*	*68-139*			

LCS (1I27018-BS1) Prepared: 09/27/2011 17:30 Analyzed: 09/30/2011 18:45

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	1.8		0.50	ug/L	2.00		91	70-114			
2,4-D	2.2		0.50	ug/L	2.00		110	37-129			
Surrogate: 2,4-DCAA	*2.0*			*ug/L*	*2.00*		*99*	*68-139*			

Matrix Spike (1I27018-MS1) Prepared: 09/27/2011 17:30 Analyzed: 09/30/2011 19:12

Source: A105170-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	1.6		0.50	ug/L	2.00	0.15 U	80	70-114			
2,4-D	3.5		0.50	ug/L	2.00	0.15 U	177	37-129			QM-17
Surrogate: 2,4-DCAA	*1.8*			*ug/L*	*2.00*		*92*	*68-139*			

Matrix Spike Dup (1I27018-MSD1) Prepared: 09/27/2011 17:30 Analyzed: 09/30/2011 19:38

Source: A105170-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	1.6		0.50	ug/L	2.00	0.15 U	81	70-114	2	15	
2,4-D	3.2		0.50	ug/L	2.00	0.15 U	160	37-129	10	33	QM-17
Surrogate: 2,4-DCAA	*1.9*			*ug/L*	*2.00*		*95*	*68-139*			

QUALITY CONTROL

Chlorinated Herbicides by GC - Quality Control

Batch 1I27018 - EPA 3510C

FLAGS/NOTES AND DEFINITIONS

B	The analyte was detected in the associated method blank.
D	The sample was analyzed at dilution.
J	The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.
U	The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
MRL	Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-08	Post-digestion spike did not meet method requirements due to confirmed matrix effects (dilution test).
QM-17	Matrix spike recovery was outside acceptance limits due to high concentrations of analyte in source sample.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QV-01	The associated continuing calibration verification standard exhibited high bias; since the result is ND, the impact on data quality is minimal.

ENVIRONMENTAL CONSERVATION LABORATORIES **CHAIN-OF-CUSTODY RECORD** www.encolabs.com

10775 Central Port Dr. Orlando, FL 32824 (407) 826-5314 Fax (407) 850-6945
4810 Executive Park Court, Suite 211 Jacksonville, FL 32216-6069 (904) 296-3007 Fax (904) 296-6210
102-A Woodwinds Industrial Ct. Cary, NC 27511 (919) 467-3090 Fax (919) 467-3515

Client Name: Golder Associates, Inc. (GO007)	Project Number: 0839-6506011.100
Address: 5B Oak Branch Drive	Project Name/Desc: Henderson Co. LF
City/ST/Zip: Greensboro, NC 27407	PO # / Billing Info
Tel: (336) 852-4903 Fax: (336) 852-4904	Reporting Contact: Dusty Reedy
Sampler(s) Name, Affiliation (Print): Brent Freyer, Golder	Billing Contact: Accounts Payable
Sampler(s) Signature: B Freyer	Site Location / Time Zone: Henderson Co / Eastern

Requested Analyses

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

✓ Standard

___ Expedited

Due ___/___/___

Lab Workorder: C110552

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8081B Appendix 2, 8082A Appendix 2, 8151A Appendix 2, 8270D Appendix 2	8260B Appendix 1	8260B Appendix 2, 8260B Extended	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Ni,Pb,Sb,Se,Sn,Tl,V,Zn	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Ni,Pb,Sb,Se,Sn,Tl,V,Zn	Cyanide Total 335.4	Hg	Hg/F	Sulfide SM4500-S D		Sample Comments
	4501-MW5 (Background)	9-21-11	0926	G	GW	4		X			X		X				
	4501-MW6	9-22-11	1032	G	GW	4		X			X		X				
	4501-MW7 (MS/MSD)	9-22-11	1018	G	GW	8		X			X		X				
	4501-MW8	9-22-11	0952	G	GW	5		X			X		X	X			
	4501-AMW1S	9-21-11	1118	G	GW	4		X			X		X				
	4501-AMW1D		1125	G	GW	4		X			X		X				
	4501-AMW2S		1140	G	GW	4		X			X		X				
	4501-AMW2D		1150	G	GW	4		X			X		X				
	4501-BR1	9-22-11	1002	G	SW	4		X			X						
	4501-BR2	9-21-11	1530	G	SW	4		X			X						
	4501-BR3	9-21-11	1502	G	SW	4		X			X						
	4501-SW1	9-22-11	1055	G	SW	4		X			X						

Preservation (See Codes) (Combine as necessary)

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
ME Stanyon	9/6/11	B Freyer	9-22-11 / 1600	Brianna Gregory	9/23/11 10:30
Comments/Special Reporting Requirements: Please provide level 2 data report		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time

Cooler #'s & Temps on Receipt: C 799 3.9°C + C 826 2.4°C

Condition Upon Receipt: X Acceptable ___ Unacceptable

Matrix : GW-Groundwater SO-Soil DW-Drinking Water SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments) Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

Note : All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist

ENVIRONMENTAL CONSERVATION LABORATORIES **CHAIN-OF-CUSTODY RECORD** **www.encolabs.com**

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Cary, NC 27511
(919) 467-3090 Fax (919) 467-3515

Client Name: Golder Associates, Inc. (GO007)	Project Number: 0839-6506011.100
Address: 5B Oak Branch Drive	Project Name/Desc: Henderson Co. LF
City/ST/Zip: Greensboro, NC 27407	PO # / Billing Info:
Tel: (336) 852-4903 Fax: (336) 852-4904	Reporting Contact: Dusty Reedy
Sampler(s) Name, Affiliation (Print): Brent Freyer, Golder	Billing Contact: Accounts Payable
Sampler(s) Signature: Brt Fry	Site Location / Time Zone: Henderson Co / Eastern

Requested Analyses

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

✓ Standard

___ Expedited

Due ___/___/___

Lab Workorder: C110552

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8081B Appendix 2, 8082A Appendix 2, 8151A Appendix 2, 8270D Appendix 2	8260B Appendix 1	8260B Appendix 2, 8260B Extended	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Ni,Pb,Sb,Se,Sn,Tl,V,Zn	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Ni,Pb,Sb,Se,Sn,Tl,V,Zn	Cyanide Total 335.4	Hg	Hg/F	Sulfide SM4500-S D		Sample Comments
	4501-Field Blank	9-22-11	1100	C	WA	10	X		X	X		X	X		X		
	4501-Trip Blank				WA	2			X								

Preservation (See Codes) (Combine as necessary)

<-- Total # of Containers

Sample Kit Prepared By: M E Stampen	Date/Time: 9/6/11	Relinquished By: Brt Fry	Date/Time: 9-22-11 / 1600	Received By: Briana Gregory	Date/Time: 9/23/11 10:30
Comments/Special Reporting Requirements: see page 1		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time
		Cooler #'s & Temps on Receipt: 3.9°C C 799 + C 826 2.4°C		Condition Upon Receipt: ✓ Acceptable ___ Unacceptable	

Matrix : **GW**-Groundwater **SO**-Soil **DW**-Drinking Water **SE**-Sediment **SW**-Surface Water **WW**-Wastewater **A**-Air **O**-Other (detail in comments) **Preservation:** I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

Note : All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist

WORK ORDER

Printed: 10/7/2011 3:25:24PM

C110552

ENCO Cary

Sample Receipt Conditions

Client:	**Golder Associates, Inc. (GO007)**	**Lab Project Mgr:**	**Stephanie Franz**
Project:	**Henderson Co. LF**	**Project Number:**	**0839-6506011.100**
PO #:			

Report To:

Golder Associates, Inc. (GO007)
Dusty Reedy
5B Oak Branch Drive
Greensboro, NC 27407
Phone: (336) 852-4903
Fax: (336) 852-4904

Invoice To:

Golder Associates, Inc. (GO007)
Accounts Payable
5B Oak Branch Drive
Greensboro, NC 27407
Phone :(804) 358-7900
Fax: 804-358-2900

Received By:	Briana J Gregory	Date Received:	23-Sep-11 10:30
Logged In By:	Briana J Gregory	Date Logged In:	23-Sep-11 11:20

Work Order Comments:

C 799 received at 3.9°C

Containers Intact	Y	Containers Properly Preserved	Y	Proper Containers Received	Y	All Samples in PreLog Received	Y	COC/Labels Agree	Y
Custody Seals Intact	Y	Volatile Containers Preserved	Y	Volatile Containers Headspace Free	Y	Aqueous Samples Checked for Residual Cl	N	Received On Ice	Y

C 826 received at 2.4°C

Containers Intact	Y	Containers Properly Preserved	Y	Proper Containers Received	Y	All Samples in PreLog Received	Y	COC/Labels Agree	Y
Custody Seals Intact	Y	Volatile Containers Preserved	Y	Volatile Containers Headspace Free	Y	Aqueous Samples Checked for Residual Cl	N	Received On Ice	Y

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

Friday, September 30, 2011

Golder Associates, Inc. (GO007)

Attn: Dusty Reedy

5B Oak Branch Drive

Greensboro, NC 27407

RE: Laboratory Results for
Project Number: 0839650610.400, Project Name/Desc: Henderson County LF
ENCO Workorder: C110555

Dear Dusty Reedy,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, September 23, 2011.

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

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

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

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

Sincerely,

Stephanie Franz

Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 12.

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PROJECT NARRATIVE

Date: 30 September 2011
Client: Golder Associates, Inc. (GO007)
Project: Henderson County LF
Lab ID: C110555

Overview

Environmental Conservation Laboratories, Inc. (ENCO) analyzed all submitted samples in accordance with the methods referenced in the laboratory report. Any particular difficulties encountered during sample handling by ENCO are discussed in the QC Remarks section below.

Quality Control Samples

No Comments

Quality Control Remarks

No Comments

Other Comments

All samples received under this work order arrived in acceptable conditions. The samples were not checked for residual chlorine, as it is not required.

The analytical data presented in this report are consistent with the methods as referenced in the analytical report. Any exceptions or deviations are noted in the QC remarks section of this narrative or in the Flags/Notes and Definitions section of the report.

Released By:
Environmental Conservation Laboratories, Inc.

Stephanie Franz
Project Manager

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: 4501-TSW1	Lab ID: C110555-01	Sampled: 09/21/11 14:46	Received: 09/23/11 10:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	10/05/11	09/29/11 11:37	9/29/2011 22:44

Client ID: 4501-TSW2	Lab ID: C110555-02	Sampled: 09/21/11 14:37	Received: 09/23/11 10:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	10/05/11	09/29/11 11:37	9/29/2011 23:13

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NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: 4501-TSW1 **Lab ID:** C110555-01

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	5.5	J	1	1.2	5.0	100	ug/L	EPA 8260B	

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ANALYTICAL RESULTS

Description: 4501-TSW1 **Lab Sample ID:** C110555-01 **Received:** 09/23/11 10:30
Matrix: Surface Water **Sampled:** 09/21/11 14:46 **Work Order:** C110555
Project: Henderson County LF **Sampled By:** Brent Freyer

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	09/29/11 22:44	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	09/29/11 22:44	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	09/29/11 22:44	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/29/11 22:44	jkg	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	09/29/11 22:44	jkg	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	09/29/11 22:44	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	09/29/11 22:44	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	09/29/11 22:44	jkg	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/29/11 22:44	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	09/29/11 22:44	jkg	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	09/29/11 22:44	jkg	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	09/29/11 22:44	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	09/29/11 22:44	jkg	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	09/29/11 22:44	jkg	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	09/29/11 22:44	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	09/29/11 22:44	jkg	
Acetone [67-64-1] ^	**5.5**	J	ug/L	1	1.2	5.0	100	EPA 8260B	09/29/11 22:44	jkg	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	09/29/11 22:44	jkg	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	09/29/11 22:44	jkg	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	09/29/11 22:44	jkg	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	09/29/11 22:44	jkg	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	09/29/11 22:44	jkg	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	09/29/11 22:44	jkg	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	09/29/11 22:44	jkg	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	09/29/11 22:44	jkg	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	09/29/11 22:44	jkg	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	09/29/11 22:44	jkg	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	09/29/11 22:44	jkg	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	09/29/11 22:44	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	09/29/11 22:44	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	09/29/11 22:44	jkg	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	09/29/11 22:44	jkg	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	09/29/11 22:44	jkg	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	09/29/11 22:44	jkg	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	09/29/11 22:44	jkg	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	09/29/11 22:44	jkg	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	09/29/11 22:44	jkg	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	09/29/11 22:44	jkg	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	09/29/11 22:44	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	09/29/11 22:44	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	09/29/11 22:44	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	09/29/11 22:44	jkg	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	09/29/11 22:44	jkg	

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Description: 4501-TSW1 | **Lab Sample ID:** C110555-01 | **Received:** 09/23/11 10:30

Matrix: Surface Water | **Sampled:** 09/21/11 14:46 | **Work Order:** C110555

Project: Henderson County LF | **Sampled By:** Brent Freyer

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/29/11 22:44	jkg	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	09/29/11 22:44	jkg	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	09/29/11 22:44	jkg	
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	09/29/11 22:44	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*51*	*1*	*50.0*	*102 %*	*51-122*	*1I29027*	*EPA 8260B*	*09/29/11 22:44*	*jkg*	
Dibromofluoromethane	*55*	*1*	*50.0*	*111 %*	*68-117*	*1I29027*	*EPA 8260B*	*09/29/11 22:44*	*jkg*	
Toluene-d8	*54*	*1*	*50.0*	*107 %*	*69-110*	*1I29027*	*EPA 8260B*	*09/29/11 22:44*	*jkg*	

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

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Description: 4501-TSW2 | **Lab Sample ID:** C110555-02 | **Received:** 09/23/11 10:30

Matrix: Surface Water | **Sampled:** 09/21/11 14:37 | **Work Order:** C110555

Project: Henderson County LF | **Sampled By:** Brent Freyer

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	09/29/11 23:13	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	09/29/11 23:13	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	09/29/11 23:13	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/29/11 23:13	jkg	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	09/29/11 23:13	jkg	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	09/29/11 23:13	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	09/29/11 23:13	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	09/29/11 23:13	jkg	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/29/11 23:13	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	09/29/11 23:13	jkg	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	09/29/11 23:13	jkg	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	09/29/11 23:13	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	09/29/11 23:13	jkg	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	09/29/11 23:13	jkg	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	09/29/11 23:13	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	09/29/11 23:13	jkg	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	09/29/11 23:13	jkg	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	09/29/11 23:13	jkg	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	09/29/11 23:13	jkg	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	09/29/11 23:13	jkg	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	09/29/11 23:13	jkg	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	09/29/11 23:13	jkg	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	09/29/11 23:13	jkg	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	09/29/11 23:13	jkg	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	09/29/11 23:13	jkg	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	09/29/11 23:13	jkg	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	09/29/11 23:13	jkg	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	09/29/11 23:13	jkg	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	09/29/11 23:13	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	09/29/11 23:13	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	09/29/11 23:13	jkg	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	09/29/11 23:13	jkg	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	09/29/11 23:13	jkg	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	09/29/11 23:13	jkg	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	09/29/11 23:13	jkg	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	09/29/11 23:13	jkg	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	09/29/11 23:13	jkg	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	09/29/11 23:13	jkg	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	09/29/11 23:13	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	09/29/11 23:13	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	09/29/11 23:13	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	09/29/11 23:13	jkg	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	09/29/11 23:13	jkg	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/29/11 23:13	jkg	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	09/29/11 23:13	jkg	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	09/29/11 23:13	jkg	

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Description: 4501-TSW2
Matrix: Surface Water
Project: Henderson County LF

Lab Sample ID: C110555-02
Sampled: 09/21/11 14:37
Sampled By: Brent Freyer

Received: 09/23/11 10:30
Work Order: C110555

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	09/29/11 23:13	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*50*	*1*	*50.0*	*101 %*	*51-122*	*1I29027*	*EPA 8260B*	*09/29/11 23:13*	*jkg*	
Dibromofluoromethane	*55*	*1*	*50.0*	*111 %*	*68-117*	*1I29027*	*EPA 8260B*	*09/29/11 23:13*	*jkg*	
Toluene-d8	*53*	*1*	*50.0*	*107 %*	*69-110*	*1I29027*	*EPA 8260B*	*09/29/11 23:13*	*jkg*	

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

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1I29027 - EPA 5030B_MS

Blank (1I29027-BLK1) Prepared: 09/29/2011 11:37 Analyzed: 09/29/2011 16:18

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.90	U	1.0	ug/L							
1,1,1-Trichloroethane	0.65	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.75	U	1.0	ug/L							
1,1,2-Trichloroethane	0.66	U	1.0	ug/L							
1,1-Dichloroethane	0.080	U	1.0	ug/L							
1,1-Dichloroethene	0.60	U	1.0	ug/L							
1,2,3-Trichloropropane	0.72	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.11	U	1.0	ug/L							
1,2-Dichloroethane	0.47	U	1.0	ug/L							
1,2-Dichloropropane	0.59	U	1.0	ug/L							
1,4-Dichlorobenzene	0.79	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Acrylonitrile	3.5	U	10	ug/L							
Benzene	0.68	U	1.0	ug/L							
Bromochloromethane	0.87	U	1.0	ug/L							
Bromodichloromethane	0.75	U	1.0	ug/L							
Bromoform	0.68	U	1.0	ug/L							
Bromomethane	0.58	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.69	U	1.0	ug/L							
Chlorobenzene	0.74	U	1.0	ug/L							
Chloroethane	0.75	U	1.0	ug/L							
Chloroform	0.70	U	1.0	ug/L							
Chloromethane	0.55	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.72	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.075	U	1.0	ug/L							
Dibromochloromethane	0.63	U	1.0	ug/L							
Dibromomethane	0.90	U	1.0	ug/L							
Ethylbenzene	0.62	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							
Methylene chloride	0.14	U	1.0	ug/L							
Styrene	0.053	U	1.0	ug/L							
Tetrachloroethene	0.73	U	1.0	ug/L							
Toluene	0.85	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.12	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.50	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.72	U	1.0	ug/L							
Trichlorofluoromethane	0.66	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.60	U	1.0	ug/L							
Xylenes (Total)	2.1	U	3.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*51*			*ug/L*	*50.0*		*102*	*51-122*			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1I29027 - EPA 5030B_MS

Blank (1I29027-BLK1) Continued Prepared: 09/29/2011 11:37 Analyzed: 09/29/2011 16:18

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Dibromofluoromethane	*52*			*ug/L*	*50.0*		*105*	*68-117*			
Surrogate: Toluene-d8	*53*			*ug/L*	*50.0*		*106*	*69-110*			

LCS (1I29027-BS1) Prepared: 09/29/2011 11:37 Analyzed: 09/29/2011 16:47

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0		102	75-133			
Benzene	22		1.0	ug/L	20.0		108	81-134			
Chlorobenzene	19		1.0	ug/L	20.0		93	83-117			
Toluene	18		1.0	ug/L	20.0		91	71-118			
Trichloroethene	19		1.0	ug/L	20.0		94	75-115			

Matrix Spike (1I29027-MS1) Prepared: 09/29/2011 11:37 Analyzed: 09/29/2011 17:17

Source: C110553-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0	0.60 U	108	75-133			
Benzene	23		1.0	ug/L	20.0	-1.0	120	81-134			
Chlorobenzene	20		1.0	ug/L	20.0	0.74 U	99	83-117			
Toluene	19		1.0	ug/L	20.0	0.85 U	94	71-118			
Trichloroethene	20		1.0	ug/L	20.0	0.82	95	75-115			

Matrix Spike Dup (1I29027-MSD1) Prepared: 09/29/2011 11:37 Analyzed: 09/29/2011 17:47

Source: C110553-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	21		1.0	ug/L	20.0	0.60 U	103	75-133	5	20	
Benzene	23		1.0	ug/L	20.0	-1.0	119	81-134	0.5	17	
Chlorobenzene	19		1.0	ug/L	20.0	0.74 U	94	83-117	5	16	
Toluene	19		1.0	ug/L	20.0	0.85 U	93	71-118	2	17	
Trichloroethene	20		1.0	ug/L	20.0	0.82	95	75-115	0.3	18	

FLAGS/NOTES AND DEFINITIONS

B	The analyte was detected in the associated method blank.
D	The sample was analyzed at dilution.
J	The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.
U	The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
MRL	Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

10775 Central Port Dr.
Orlando, FL 32824
(407) 826-5314 Fax (407) 850-6945

4810 Executive Park Court, Suite 211
Jacksonville, FL 32216-6069
(904) 296-3007 Fax (904) 296-6210

102-A Woodwinds Industrial Ct.
Cary, NC 27511
(919) 467-3090 Fax (919) 467-3515

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Page 1 of 1

Client Name: Golder Associates, Inc. (GO007)	Project Number: 0839650610.400
Address: 5B Oak Branch Drive	Project Name/Desc: Henderson County LF
City/ST/Zip: Greensboro, NC 27407	PO # / Billing Info:
Tel: (336) 852-4903 Fax: (336) 852-4904	Reporting Contact: Dusty Reedy
Sampler(s) Name, Affiliation (Print): Brent Freyer, Golder	Billing Contact: Accounts Payable
Sampler(s) Signature: B. Freyer	Site Location / Time Zone: Henderson Co / Eastern

Requested Analyses: 8260B Appendix 1

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

✓ Standard

___ Expedited

Due ___/___/___

Lab Workorder: C110555

Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8260B Appendix 1	Sample Comments
	4501-TSW1	9-21-11	1446	G	SW	3	X	
	4501-TSW2	9-21-11	1437	G	SW	3	X	

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
M E Stamper	9/6/11	B. Freyer	9-22-11/1600	Briana Gregory	9/23/11 10:30
Comments/Special Reporting Requirements: ① Please provide level 2 data report		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time
		Cooler #'s & Temps on Receipt: C-826 2.4°C C-34		Condition Upon Receipt: X Acceptable ___ Unacceptable	

Matrix : GW-Groundwater SO-Soil DW-Drinking Water SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments)

Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

Note : All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist

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WORK ORDER

Printed: 9/30/2011 5:54:25PM

C110555

ENCO Cary

Sample Receipt Conditions

Client:	**Golder Associates, Inc. (GO007)**	**Lab Project Mgr:**	**Stephanie Franz**
Project:	**Henderson County LF**	**Project Number:**	**0839650610.400**
PO #:			

Report To:

Golder Associates, Inc. (GO007)
Dusty Reedy
5B Oak Branch Drive
Greensboro, NC 27407
Phone: (336) 852-4903
Fax: (336) 852-4904

Invoice To:

Golder Associates, Inc. (GO007)
Accounts Payable
5B Oak Branch Drive
Greensboro, NC 27407
Phone :(804) 358-7900
Fax: 804-358-2900

Received By:	Briana J Gregory	Date Received:	23-Sep-11 10:30
Logged In By:	Briana J Gregory	Date Logged In:	23-Sep-11 12:47

Work Order Comments:

C-826 received at 2.4°C

Containers Intact	Y	Containers Properly Preserved	Y	Proper Containers Received	Y	All Samples in PreLog Received	Y	COC/Labels Agree	Y
Custody Seals Intact	Y	Volatile Containers Preserved	Y	Volatile Containers Headspace Free	Y	Aqueous Samples Checked for Residual Cl	N	Received On Ice	Y

GOLDER ASSOCIATES INC.
QUALITY ASSURANCE & QUALITY CONTROL
LABORATORY DATA REVIEW

Project Name: Henderson County MSW Landfill

Project Reference Number: 0839-650611.100

Sampling Event Date: September 21-22, 2011

Review Date: October 11, 2011 *Initials:* JD

Report #: C110552 & C110555

Person(s) performing the review are to initial each item on this form as acknowledgement of data acceptance, or as acknowledgement of a review issue. In the case of the latter, a brief explanation should follow the applicable item.

Golder Associates Inc. has reviewed the laboratory certificates of analysis, chain-of-custody form, and laboratory provided sample group quality assurance and quality control data for the above referenced sample group to identify potential bias or inaccuracy, in general accordance with the following United States Environmental Protection Agency documents:

- Region III Modifications to Functional Guidelines for Organic Data Review Multi-Media, Multi-Concentration, September 1994;
- Region III Modifications to the Laboratory Data Validation Functional Guidelines for Evaluating Inorganic Analyses, April 1993; and
- Laboratory Data Validation Functional Guidelines for Evaluating Inorganic Analyses, July 1998.

COMPLIANCE ANALYTE LIST(S) (check all that apply)

___ NC Closed Facility List (.500 Rules)

___ NC C & D List (New Rules)

___ NC Appendix I

_X_ NC Appendix I + Detects

___ NC Appendix II

___ NC Subtitle D Leachate List

Other: Mercury and Sulfide

1.0 CHAIN OF CUSTODY (COC) REVIEW

JD COC was properly signed by all parties.

JD Correct project name and number are on the form.

- ***Correct phase number is 100.***

JD Sample receipt condition at laboratory was acceptable.

JD Each sample and blank submitted for analysis appears in the report.

2.0 SAMPLE HOLDING TIMES

JD Holding times for extraction and/or analysis were met for each analytical Method (see below for reference).

Review Criteria		
Method	**Analytes**	**Holding Time**
SW-846 Method 8260 and 8011	VOCs	14 days
SW-846 Methods 8270, 8080, 8081, 8082, and 8151	SVOCs, PCBs, pesticides and herbicides	7 days for extraction, 40 days from extraction for analysis
SW-846 Methods 6000 and 7000 Series	Metals except mercury	6 months (no temperature requirements)
SW-846 Method 7470	Mercury	28 days
SW-846 Method 376.1	Sulfide	7 days
SW-846 Method 9010	Cyanide	14 days
EPA Method 300	Nitrate/Sulfate	48 hours/28 days
EPA Method 405.1	BOD	48 hours
EPA Method 410.4	COD	28 days
EPA Method 365.4	Phosphorous	28 days

3.0 LABORATORY QUALITY CONTROL REVIEW

JD Laboratory analyzed at least one internal blank for each method, where applicable.

JD Laboratory blank is interference-free.

JD Surrogate recoveries are provided for each analytical method, where applicable.

JD Surrogate recoveries for each method are within the acceptable limits (i.e., at least 50% of the surrogates were within range).

JD MS/MSD/LCS data results are provided for each analytical method.

JD MS/MSD/LCS recoveries for each method are within the acceptable limits (i.e., at least 1 of the 3 were within range).

Lab Report C110552

- ***Precision between duplicate spikes of dieldrin and endrin were outside of control limits for the 8081B MS and MSD samples. The individual recoveries of these analytes were within acceptance criteria. The QC batch was approved based on acceptable LCS recovery of these analytes.***
- ***The spike recovery of 2,4-D was outside of control limits for the 8151A MS and MSD samples. The QC batch was based on acceptable LCS recovery of this analyte.***
- ***The spike recoveries of mercury and silver were outside of control limits for the post spike samples. The QC batch was approved based on acceptable LCS recovery of these analytes and completeness of the QC data.***
- ***The spike recoveries of iron and manganese were outside of control limits for the 6010C MSD sample.***
- ***The spike recovery of sulfide was outside of control for MS and MSD sample. The QC batch was approved based on acceptable LCS recovery of this analyte.***

4.0 ANALYTE LISTS/METHODS

JD The proper number of constituents are present for each analyte list as identified above (including detects where applicable).

JD Proper EPA SW-846 analytical methods were used for analysis.

5.0 DATA REPORTING

JD All analytical reporting associated with the event was performed by the contracted lab.

JD Trip, field and/or equipment, and laboratory blank results have all been reported. All detects for blanks are listed below by constituent. All laboratory method blanks, if any, have been 'flagged' with a 'B' where detected in other samples as appropriate and a laboratory narrative was provided. If the sample was flagged by the laboratory and is not within 5X of the concentration in the blank (or 10X for commonly detected laboratory contaminants-acetone, methylene chloride and phthalates), list below with explanation if flags should be removed. If flags need to be added for samples, also list below.

JD It is clear from the laboratory report that samples have or have not been diluted during analysis, and if the samples have been diluted, the result is reported as a multiple of the dilution (e.g., a sample diluted 10x resulting in an analytical detection of 1.0 should be reported as 10). Those that have been diluted are listed below with the dilution factor.

JD The report provides the reporting limit for each constituent.

JD The results were reported at or below their proper reporting limits (i.e., MDLs with SWSLs reported). Those that are not reported correctly are listed below (by constituent) with the proper reporting limit listed beside them. State if the reporting limit error is due to dilutions.

JD No organic constituents were reported above their respective SWSLs, and no inorganic or organic constituents were reported above their respective NC 2L Drinking Water Standards/GWPS in wells, or field/equipment/trip blanks, or above applicable surface water standards in surface water points.

Organic SWSL Exceedances:

MW-6:	***1,2-Dichlorobenzene @ 5.8 ug/L***	***(SWSL = 5 ug/L)***
	1,4-Dichlorobenzene @ 14 ug/L	***(SWSL = 1 ug/L)***
	Acetone @ 310 ug/L	***(SWSL = 100 ug/L)***
	Benzene @ 4.6 ug/L	***(SWSL = 1 ug/L)***
	Chlorobenzene @ 8.1 ug/L	***(SWSL = 3 ug/L)***
	Ethylbenzene @ 2.3 ug/L	***(SWSL = 1 ug/L)***
	Toluene @ 2.8 ug/L	***(SWSL = 1 ug/L)***
MW-7:	***1,4-Dichlorobenzene @ 12 ug/L***	***(SWSL = 1 ug/L)***
	Benzene @ 1.4 ug/L	***(SWSL = 1 ug/L)***
	Chlorobenzene @ 8.4 ug/L	***(SWSL = 3 ug/L)***
	Cis-1,2-Dichloroethene @ 5.6 ug/L	***(SWSL = 5 ug/L)***
	Vinyl chloride @ 1.5 ug/L	***(SWSL = 1 ug/L)***
MW-8:	***Methylene chloride @ 3.4 ug/L***	***(SWSL = 1 ug/L)***
	PCE @ 2.8 ug/L	***(SWSL = 1 ug/L)***
	TCE @ 1.1 ug/L	***(SWSL = 1 ug/L)***
AMW-1D:	***1,4-Dichlorobenzene @ 4.2 ug/L***	***(SWSL = 1 ug/L)***
	Benzene @ 1.2 ug/L	***(SWSL = 1 ug/L)***
	Chlorobenzene @ 4.6 ug/L	***(SWSL = 3 ug/L)***
AMW-2S:	***1,4-Dichlorobenzene @ 1.2 ug/L***	***(SWSL = 1 ug/L)***

NC2L and/or GWPS Exceedances:

MW-5:	***Vanadium @ 2.21 ug/L (J)***	***(GWPS = 0.3 ug/L)***
MW-6:	***1,4-Dichlorobenzene @ 14 ug/L***	***(NC2L = 6 ug/L)***
	Benzene @ 4.6 ug/L	***(NC2L = 1 ug/L)***
	Cobalt @ 3.73 ug/L (J)	***(GWPS = 1 ug/L)***
	Lead @ 15.5 ug/L	***(NC2L = 15 ug/L)***
	Vanadium @ 8.14 ug/L (J)	***(GWPS = 0.3 ug/L)***
MW-7:	***1,4-Dichlorobenzene @ 12 ug/L***	***(NC2L = 6 ug/L)***

	Benzene @ 1.4 ug/L	***(NC2L = 1 ug/L)***
	Vanadium @ 2.88 ug/L (J)	***(GWPS = 0.3 ug/L)***
	Vinyl Chloride @ 1.5 ug/L	***(NC2L = 0.03 ug/L)***
MW-8:	***Barium @ 1370 ug/L***	***(NC2L = 700 ug/L)***
	Chromium @ 12.4 ug/L	***(NC2L = 10 ug/L)***
	Cobalt @ 7.48 ug/L (J)	***(GWPS = 1 ug/L)***
	Lead @ 18.5 ug/L	***(NC2L = 15 ug/L)***
	PCE @ 2.8 ug/L	***(NC2L = 0.7 ug/L)***
	Thallium @ 1.53 ug/L (J)	***(NC2L = 0.2 ug/L)***
	Vanadium @ 17.3 ug/L (J)	***(GWPS = 0.3 ug/L)***
AMW-1S:	***Cobalt @ 9.15 ug/L (J)***	***(GWPS =1 ug/L)***
AMW-1D:	***Benzene @ 1.2 ug/L***	***(NC2L = 1 ug/L)***
	Vinyl chloride @ 0.76 ug/L (J)	***(NC2L = 0.03 ug/L)***
AMW-2S:	***Vanadium @ 11.1 ug/L (J)***	***(GWPS = 0.3 ug/L)***

Surface Water Exceedances:

BR-3: ***Zinc @ 69 ug/L (SW Standard = 50 ug/L)***

JD No inorganic and organic constituents were detected in a well or surface water point at quantified concentrations outside of their historical range (more than 5X previous concentrations or first-time detections).

JD Other report issues/Communications with laboratory/etc.:

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

Friday, October 7, 2011

Golder Associates, Inc. (GO007)

Attn: Dusty Reedy

5B Oak Branch Drive

Greensboro, NC 27407

RE: Laboratory Results for
Project Number: 0839-650610.100, Project Name/Desc: Henderson Co. LF C&D
ENCO Workorder: C110553

Dear Dusty Reedy,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, September 23, 2011.

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

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

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

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

Sincerely,

Stephanie Franz
Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 56.

PROJECT NARRATIVE

Date: 07 October 2011
Client: Golder Associates, Inc. (GO007)
Project: Henderson Co. LF C&D
Lab ID: C110553

Overview

Environmental Conservation Laboratories, Inc. (ENCO) analyzed all submitted samples in accordance with the methods referenced in the laboratory report. Any particular difficulties encountered during sample handling by ENCO are discussed in the QC Remarks section below.

Quality Control Samples

Chloride and Sulfate were detected in the Method Blank at low-level concentrations (less than half of the MRL). Detections of these analytes should be considered to have a possible high bias if the concentration in the associated sample is not greater than ten times that of the detection in the Method Blank. The spike recoveries of Alkalinity and Sulfide were outside of control limits for the MS and/or MSD samples. The QC batches were approved based on acceptable LCS recovery of these analytes.

The spike recoveries of Manganese and Iron were outside of control limits for the 6010C MS and MSD samples. The QC batch was approved based on acceptable LCS recovery of these analytes.

Precision between duplicate spikes of Dieldrin and Endrin were outside of control limits for the 8081B MS and MSD samples; however, the individual recoveries of these analytes were within acceptance criteria. The QC batch was approved based on acceptable LCS recovery of these analytes and completeness of the QC data.

The spike recovery of 2,4-D was outside of control limits for the 8151A MS and MSD samples. The QC batch was based on acceptable LCS recovery of this analyte.

The 8270D Continuing Calibration Verification sample (CCV) exhibited a high bias for 2,4-Dinitrophenol, 3-Nitroaniline,4-Chloroaniline, 4-Nitroaniline, 4-Nitrophenol, Benzo(a)pyrene, Benzo(g,h,i)perylene, Bis(2-chloroisopropyl)ether, and Kepone; however, these analytes were not detected in the associated samples, reducing the impact of the deviation.

Quality Control Remarks

No Comments

Other Comments

All samples received under this work order arrived in acceptable conditions. The samples were not checked for residual chlorine, as it is not required. Sample MW-11 could not be sampled, as the well was damaged.

The analytical data presented in this report are consistent with the methods as referenced in the analytical report. Any exceptions or deviations are noted in the QC remarks section of this narrative or in the Flags/Notes and Definitions section of the report.

Released By:
Environmental Conservation Laboratories, Inc.

Stephanie Franz
Project Manager

www.encolabs.com

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: 4501-MW10 **Lab ID: C110553-01** **Sampled: 09/21/11 08:55** **Received: 09/23/11 10:30**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 300.0	10/19/11		09/27/11	13:07	9/28/2011	01:14
EPA 310.2	10/05/11		09/27/11	09:59	9/27/2011	14:08
EPA 6010C	03/19/12		09/26/11	09:31	9/27/2011	10:03
EPA 6020A	03/19/12		09/26/11	09:37	9/27/2011	11:12
EPA 7470A	10/19/11		09/28/11	09:40	9/28/2011	15:55
EPA 8081B	09/28/11	11/05/11	09/26/11	06:10	9/28/2011	13:18
EPA 8082A	09/20/12	09/20/12	09/26/11	06:12	9/28/2011	13:18
EPA 8151A	09/28/11	11/06/11	09/27/11	17:30	9/30/2011	21:24
EPA 8260B	10/05/11		09/29/11	11:37	9/29/2011	21:44
EPA 8270D	09/28/11	11/06/11	09/27/11	03:42	10/7/2011	13:35
EPA 9014	10/05/11		09/28/11	10:13	9/28/2011	18:18
SM 2540C	09/28/11		09/26/11	11:25	9/26/2011	11:25
SM18 4500-S D	09/28/11		09/26/11	11:44	9/26/2011	11:57

Client ID: 4501-MW12 (MS/MSD) **Lab ID: C110553-02** **Sampled: 09/22/11 09:30** **Received: 09/23/11 10:30**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 300.0	10/20/11		09/27/11	13:07	9/28/2011	01:31
EPA 310.2	10/06/11		09/27/11	09:59	9/27/2011	14:05
EPA 6010C	03/20/12		09/26/11	09:31	9/27/2011	09:38
EPA 6020A	03/20/12		09/26/11	09:37	9/27/2011	11:16
EPA 7470A	10/20/11		09/28/11	09:40	9/28/2011	15:43
EPA 8081B	09/29/11	11/05/11	09/26/11	06:10	9/28/2011	13:31
EPA 8082A	09/21/12	09/21/12	09/26/11	06:12	9/28/2011	13:31
EPA 8151A	09/29/11	11/06/11	09/27/11	17:30	9/30/2011	20:04
EPA 8260B	10/06/11		09/29/11	11:37	9/29/2011	18:46
EPA 8270D	09/29/11	11/06/11	09/27/11	03:42	10/7/2011	14:02
EPA 9014	10/06/11		09/28/11	10:13	9/28/2011	18:20
SM 2540C	09/29/11		09/26/11	11:25	9/26/2011	11:25
SM18 4500-S D	09/29/11		09/26/11	11:44	9/26/2011	11:57

Client ID: 4501-MW13 **Lab ID: C110553-03** **Sampled: 09/21/11 09:50** **Received: 09/23/11 10:30**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 300.0	10/19/11		09/27/11	13:07	9/28/2011	01:49
EPA 310.2	10/05/11		09/27/11	09:59	9/27/2011	14:09
EPA 6010C	03/19/12		09/26/11	09:31	9/27/2011	10:05
EPA 6020A	03/19/12		09/26/11	09:37	9/27/2011	11:19
EPA 7470A	10/19/11		09/28/11	09:40	9/28/2011	15:58
EPA 8081B	09/28/11	11/05/11	09/26/11	06:10	9/28/2011	13:44
EPA 8082A	09/20/12	09/20/12	09/26/11	06:12	9/28/2011	13:44
EPA 8151A	09/28/11	11/06/11	09/27/11	17:30	9/30/2011	21:50
EPA 8260B	10/05/11		09/29/11	11:37	9/29/2011	22:14
EPA 8270D	09/28/11	11/06/11	09/27/11	03:42	10/7/2011	14:30
EPA 9014	10/05/11		09/28/11	13:14	9/28/2011	18:22
SM 2540C	09/28/11		09/26/11	11:25	9/26/2011	11:25
SM18 4500-S D	09/28/11		09/26/11	11:44	9/26/2011	11:57

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NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: 4501-MW10 **Lab ID: C110553-01**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Antimony - Total	0.255	J	1	0.220	2.00	6	ug/L	EPA 6020A	
Barium - Total	2.53	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chloride	2600	JB	1	47	5000	NE	ug/L	EPA 300.0	J-01
Iron - Total	153	J	1	22.0	50.0	300	ug/L	EPA 6010C	
Manganese - Total	8.27	J	1	1.10	10.0	50	ug/L	EPA 6010C	
Sulfate as SO4	1700	JB	1	20	5000	250000	ug/L	EPA 300.0	J-01
Total Dissolved Solids	16000		1	10000	10000	NE	ug/L	SM 2540C	

Client ID: 4501-MW12 (MS/MSD) **Lab ID: C110553-02**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	0.51	J	1	0.080	1.0	5	ug/L	EPA 8260B	
Acetone	18	J	1	1.2	5.0	100	ug/L	EPA 8260B	
Barium - Total	13.7	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Cadmium - Total	0.402	J	1	0.360	1.00	1	ug/L	EPA 6010C	
Chloride	17000	B	1	47	5000	NE	ug/L	EPA 300.0	QB-01
Iron - Total	269	J	1	22.0	50.0	300	ug/L	EPA 6010C	
Manganese - Total	239		1	1.10	10.0	50	ug/L	EPA 6010C	
Methylene chloride	1.0		1	0.14	1.0	1	ug/L	EPA 8260B	
Naphthalene	5.6	J	1	0.46	1.0	10	ug/L	EPA 8260B	
Sulfate as SO4	14000	JB	1	20	5000	250000	ug/L	EPA 300.0	J-01
Tetrahydrofuran	39		1	0.80	1.0	NE	ug/L	EPA 8260B	
Tin - Total	4.60	J	1	2.10	10.0	100	ug/L	EPA 6010C	
Total Alkalinity as CaCO3	90000		1	12000	15000	NE	ug/L	EPA 310.2	
Total Dissolved Solids	200000		1	10000	10000	NE	ug/L	SM 2540C	
Trichloroethene	0.82	J	1	0.72	1.0	1	ug/L	EPA 8260B	
Trichlorofluoromethane	0.82	J	1	0.66	1.0	1	ug/L	EPA 8260B	
Vanadium - Total	2.32	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	12.0		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4501-MW13 **Lab ID: C110553-03**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
2,4-D	1.3	J	1	0.15	0.50	2	ug/L	EPA 8151A	
Antimony - Total	0.609	J	1	0.220	2.00	6	ug/L	EPA 6020A	
Barium - Total	12.2	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chloride	4400	JB	1	47	5000	NE	ug/L	EPA 300.0	J-01
cis-1,2-Dichloroethene	1.1	J	1	0.72	1.0	5	ug/L	EPA 8260B	
Copper - Total	1.80	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Iron - Total	457		1	22.0	50.0	300	ug/L	EPA 6010C	
Manganese - Total	66.2		1	1.10	10.0	50	ug/L	EPA 6010C	
Sulfate as SO4	4200	JB	1	20	5000	250000	ug/L	EPA 300.0	J-01
Tetrachloroethene	0.75	J	1	0.73	1.0	1	ug/L	EPA 8260B	
Tetrahydrofuran	8.2		1	0.80	1.0	NE	ug/L	EPA 8260B	
Tin - Total	3.17	J	1	2.10	10.0	100	ug/L	EPA 6010C	
Total Alkalinity as CaCO3	90000		1	12000	15000	NE	ug/L	EPA 310.2	
Total Dissolved Solids	140000		1	10000	10000	NE	ug/L	SM 2540C	
Trichlorofluoromethane	1.7		1	0.66	1.0	1	ug/L	EPA 8260B	
Zinc - Total	12.5		1	3.80	10.0	10	ug/L	EPA 6010C	

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ANALYTICAL RESULTS

Description: 4501-MW10 **Lab Sample ID:** C110553-01 **Received:** 09/23/11 10:30
Matrix: Ground Water **Sampled:** 09/21/11 08:55 **Work Order:** C110553
Project: Henderson Co. LF C&D **Sampled By:** Brent Freyer

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	09/29/11 21:44	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	09/29/11 21:44	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	09/29/11 21:44	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/29/11 21:44	jkg	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	09/29/11 21:44	jkg	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	09/29/11 21:44	jkg	
1,1-Dichloropropene [563-58-6] ^	0.66	U	ug/L	1	0.66	1.0	5	EPA 8260B	09/29/11 21:44	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	09/29/11 21:44	jkg	
1,2,4-Trichlorobenzene [120-82-1] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	09/29/11 21:44	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	09/29/11 21:44	jkg	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/29/11 21:44	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	09/29/11 21:44	jkg	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	09/29/11 21:44	jkg	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	09/29/11 21:44	jkg	
1,3-Dichlorobenzene [541-73-1] ^	0.79	U	ug/L	1	0.79	1.0	5	EPA 8260B	09/29/11 21:44	jkg	
1,3-Dichloropropane [142-28-9] ^	0.67	U	ug/L	1	0.67	1.0	1	EPA 8260B	09/29/11 21:44	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	09/29/11 21:44	jkg	
2,2-Dichloropropane [594-20-7] ^	0.56	U	ug/L	1	0.56	1.0	15	EPA 8260B	09/29/11 21:44	jkg	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	09/29/11 21:44	jkg	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	09/29/11 21:44	jkg	
3-Chloropropene [107-05-1] ^	0.11	U	ug/L	1	0.11	1.0	10	EPA 8260B	09/29/11 21:44	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	09/29/11 21:44	jkg	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	09/29/11 21:44	jkg	
Acetonitrile [75-05-8] ^	5.0	U	ug/L	1	5.0	10	55	EPA 8260B	09/29/11 21:44	jkg	
Acrolein [107-02-8] ^	4.0	U	ug/L	1	4.0	10	53	EPA 8260B	09/29/11 21:44	jkg	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	09/29/11 21:44	jkg	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	09/29/11 21:44	jkg	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	09/29/11 21:44	jkg	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	09/29/11 21:44	jkg	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	09/29/11 21:44	jkg	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	09/29/11 21:44	jkg	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	09/29/11 21:44	jkg	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	09/29/11 21:44	jkg	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	09/29/11 21:44	jkg	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	09/29/11 21:44	jkg	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	09/29/11 21:44	jkg	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	09/29/11 21:44	jkg	
Chloroprene [126-99-8] ^	0.64	U	ug/L	1	0.64	1.0	20	EPA 8260B	09/29/11 21:44	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	09/29/11 21:44	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	09/29/11 21:44	jkg	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	09/29/11 21:44	jkg	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	09/29/11 21:44	jkg	
Dichlorodifluoromethane [75-71-8] ^	0.56	U	ug/L	1	0.56	1.0	5	EPA 8260B	09/29/11 21:44	jkg	

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Description: 4501-MW10 | **Lab Sample ID:** C110553-01 | **Received:** 09/23/11 10:30

Matrix: Ground Water | **Sampled:** 09/21/11 08:55 | **Work Order:** C110553

Project: Henderson Co. LF C&D | **Sampled By:** Brent Freyer

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Ethyl Methacrylate [97-63-2] ^	0.38	U	ug/L	1	0.38	1.0	10	EPA 8260B	09/29/11 21:44	jkg	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	09/29/11 21:44	jkg	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	09/29/11 21:44	jkg	
Isobutyl alcohol [78-83-1] ^	11	U	ug/L	1	11	50	100	EPA 8260B	09/29/11 21:44	jkg	
Methacrylonitrile [126-98-7] ^	4.9	U	ug/L	1	4.9	10	100	EPA 8260B	09/29/11 21:44	jkg	
Methyl Methacrylate [80-62-6] ^	0.51	U	ug/L	1	0.51	1.0	30	EPA 8260B	09/29/11 21:44	jkg	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	09/29/11 21:44	jkg	
Naphthalene [91-20-3] ^	0.46	U	ug/L	1	0.46	1.0	10	EPA 8260B	09/29/11 21:44	jkg	
Propionitrile [107-12-0] ^	5.0	U	ug/L	1	5.0	10	150	EPA 8260B	09/29/11 21:44	jkg	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	09/29/11 21:44	jkg	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	09/29/11 21:44	jkg	
Tetrahydrofuran [109-99-9] ^	0.80	U	ug/L	1	0.80	1.0	NE	EPA 8260B	09/29/11 21:44	jkg	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	09/29/11 21:44	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	09/29/11 21:44	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	09/29/11 21:44	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	09/29/11 21:44	jkg	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	09/29/11 21:44	jkg	
Trichlorofluoromethane [75-69-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/29/11 21:44	jkg	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	09/29/11 21:44	jkg	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	09/29/11 21:44	jkg	
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	09/29/11 21:44	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*51*	*1*	*50.0*	*103 %*	*51-122*	*1I29027*	*EPA 8260B*	*09/29/11 21:44*	*jkg*	
Dibromofluoromethane	*54*	*1*	*50.0*	*108 %*	*68-117*	*1I29027*	*EPA 8260B*	*09/29/11 21:44*	*jkg*	
Toluene-d8	*53*	*1*	*50.0*	*106 %*	*69-110*	*1I29027*	*EPA 8260B*	*09/29/11 21:44*	*jkg*	

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Description: 4501-MW10 | **Lab Sample ID:** C110553-01 | **Received:** 09/23/11 10:30

Matrix: Ground Water | **Sampled:** 09/21/11 08:55 | **Work Order:** C110553

Project: Henderson Co. LF C&D | **Sampled By:** Brent Freyer

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,2,4,5-Tetrachlorobenzene [95-94-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/07/11 13:35	DFM	
1,3,5-Trinitrobenzene [99-35-4] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	10/07/11 13:35	DFM	
1,3-Dinitrobenzene [99-65-0] ^	1.9	U	ug/L	1	1.9	10	20	EPA 8270D	10/07/11 13:35	DFM	
1,4-Naphthoquinone [130-15-4] ^	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	10/07/11 13:35	DFM	
1,4-Phenylenediamine [106-50-3] ^	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	10/07/11 13:35	DFM	
1-Naphthylamine [134-32-7] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/07/11 13:35	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/07/11 13:35	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/07/11 13:35	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/07/11 13:35	DFM	
2,4-Dichlorophenol [120-83-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/07/11 13:35	DFM	
2,4-Dimethylphenol [105-67-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 13:35	DFM	
2,4-Dinitrophenol [51-28-5] ^	2.6	U	ug/L	1	2.6	10	50	EPA 8270D	10/07/11 13:35	DFM	QV-01
2,4-Dinitrotoluene [121-14-2] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270D	10/07/11 13:35	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/07/11 13:35	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	10/07/11 13:35	DFM	
2-Acetylaminofluorene [53-96-3] ^	2.5	U	ug/L	1	2.5	10	20	EPA 8270D	10/07/11 13:35	DFM	
2-Chloronaphthalene [91-58-7] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/07/11 13:35	DFM	
2-Chlorophenol [95-57-8] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/07/11 13:35	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	2.9	U	ug/L	1	2.9	10	50	EPA 8270D	10/07/11 13:35	DFM	
2-Methylnaphthalene [91-57-6] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	10/07/11 13:35	DFM	
2-Methylphenol [95-48-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/07/11 13:35	DFM	
2-Naphthylamine [91-59-8] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	10/07/11 13:35	DFM	
2-Nitroaniline [88-74-4] ^	1.5	U	ug/L	1	1.5	10	50	EPA 8270D	10/07/11 13:35	DFM	
2-Nitrophenol [88-75-5] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/07/11 13:35	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	10/07/11 13:35	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	3.3	U	ug/L	1	3.3	10	20	EPA 8270D	10/07/11 13:35	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270D	10/07/11 13:35	DFM	
3-Methylcholanthrene [56-49-5] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 13:35	DFM	
3-Nitroaniline [99-09-2] ^	2.1	U	ug/L	1	2.1	10	50	EPA 8270D	10/07/11 13:35	DFM	QV-01
4-Aminobiphenyl [92-67-1] ^	2.1	U	ug/L	1	2.1	10	20	EPA 8270D	10/07/11 13:35	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/07/11 13:35	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270D	10/07/11 13:35	DFM	
4-Chloroaniline [106-47-8] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	10/07/11 13:35	DFM	QV-01
4-Chlorophenyl-phenylether [7005-72-3] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	10/07/11 13:35	DFM	
4-Nitroaniline [100-01-6] ^	3.2	U	ug/L	1	3.2	10	20	EPA 8270D	10/07/11 13:35	DFM	QV-01
4-Nitrophenol [100-02-7] ^	2.0	U	ug/L	1	2.0	10	50	EPA 8270D	10/07/11 13:35	DFM	QV-01
5-Nitro-o-toluidine [99-55-8] ^	3.2	U	ug/L	1	3.2	10	10	EPA 8270D	10/07/11 13:35	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/07/11 13:35	DFM	
Acenaphthene [83-32-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/07/11 13:35	DFM	
Acenaphthylene [208-96-8] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/07/11 13:35	DFM	
Acetophenone [98-86-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 13:35	DFM	
Anthracene [120-12-7] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	10/07/11 13:35	DFM	
Benzo(a)anthracene [56-55-3] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 13:35	DFM	
Benzo(a)pyrene [50-32-8] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 13:35	DFM	QV-01
Benzo(b)fluoranthene [205-99-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/07/11 13:35	DFM	

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Description: 4501-MW10 | **Lab Sample ID:** C110553-01 | **Received:** 09/23/11 10:30

Matrix: Ground Water | **Sampled:** 09/21/11 08:55 | **Work Order:** C110553

Project: Henderson Co. LF C&D | **Sampled By:** Brent Freyer

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Benzo(g,h,i)perylene [191-24-2] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270D	10/07/11 13:35	DFM	QV-01
Benzo(k)fluoranthene [207-08-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 13:35	DFM	
Benzyl alcohol [100-51-6] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270D	10/07/11 13:35	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/07/11 13:35	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/07/11 13:35	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 13:35	DFM	QV-01
Bis(2-ethylhexyl)phthalate [117-81-7] ^	1.7	U	ug/L	1	1.7	5.0	15	EPA 8270D	10/07/11 13:35	DFM	
Butylbenzylphthalate [85-68-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/07/11 13:35	DFM	
Chlorobenzilate [510-15-6] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/07/11 13:35	DFM	
Chrysene [218-01-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/07/11 13:35	DFM	
Diallate [2303-16-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/07/11 13:35	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	2.3	U	ug/L	1	2.3	10	10	EPA 8270D	10/07/11 13:35	DFM	
Dibenzofuran [132-64-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/07/11 13:35	DFM	
Diethylphthalate [84-66-2] ^	2.1	U	ug/L	1	2.1	10	6000	EPA 8270D	10/07/11 13:35	DFM	
Dimethoate [60-51-5] ^	2.3	U	ug/L	1	2.3	10	20	EPA 8270D	10/07/11 13:35	DFM	
Dimethylphthalate [131-11-3] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/07/11 13:35	DFM	
Di-n-butylphthalate [84-74-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	10/07/11 13:35	DFM	
Di-n-octylphthalate [117-84-0] ^	3.1	U	ug/L	1	3.1	10	10	EPA 8270D	10/07/11 13:35	DFM	
Disulfoton [298-04-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/07/11 13:35	DFM	
Ethyl methanesulfonate [62-50-0] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	10/07/11 13:35	DFM	
Famphur [52-85-7] ^	2.7	U	ug/L	1	2.7	10	20	EPA 8270D	10/07/11 13:35	DFM	
Fluoranthene [206-44-0] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	10/07/11 13:35	DFM	
Fluorene [86-73-7] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	10/07/11 13:35	DFM	
Hexachlorobenzene [118-74-1] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/07/11 13:35	DFM	
Hexachlorobutadiene [87-68-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/07/11 13:35	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 13:35	DFM	
Hexachloroethane [67-72-1] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/07/11 13:35	DFM	
Hexachloropropene [1888-71-7] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	10/07/11 13:35	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270D	10/07/11 13:35	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	10/07/11 13:35	DFM	
Isophorone [78-59-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 13:35	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 13:35	DFM	
Kepone [143-50-0] ^	7.2	U	ug/L	1	7.2	20	20	EPA 8270D	10/07/11 13:35	DFM	QV-01
Methapyrilene [91-80-5] ^	3.5	U	ug/L	1	3.5	10	100	EPA 8270D	10/07/11 13:35	DFM	
Methyl Methanesulfonate [66-27-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/07/11 13:35	DFM	
Methyl parathion [298-00-0] ^	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	10/07/11 13:35	DFM	
Nitrobenzene [98-95-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/07/11 13:35	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	10/07/11 13:35	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 13:35	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/07/11 13:35	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	10/07/11 13:35	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	10/07/11 13:35	DFM	
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/07/11 13:35	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270D	10/07/11 13:35	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 13:35	DFM	

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Description: 4501-MW10 | **Lab Sample ID:** C110553-01 | **Received:** 09/23/11 10:30

Matrix: Ground Water | **Sampled:** 09/21/11 08:55 | **Work Order:** C110553

Project: Henderson Co. LF C&D | **Sampled By:** Brent Freyer

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
O,O,O-Triethyl phosphorothioate [126-68-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 13:35	DFM	
o-Toluidine [95-53-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/07/11 13:35	DFM	
Parathion [56-38-2] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	10/07/11 13:35	DFM	
p-Dimethylaminoazobenzene [60-11-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/07/11 13:35	DFM	
Pentachlorobenzene [608-93-5] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 13:35	DFM	
Pentachloronitrobenzene [82-68-8] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	10/07/11 13:35	DFM	
Phenacetin [62-44-2] ^	2.7	U	ug/L	1	2.7	10	20	EPA 8270D	10/07/11 13:35	DFM	
Phenanthrene [85-01-8] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/07/11 13:35	DFM	
Phenol [108-95-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/07/11 13:35	DFM	
Phorate [298-02-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/07/11 13:35	DFM	
Pronamide [23950-58-5] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/07/11 13:35	DFM	
Pyrene [129-00-0] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	10/07/11 13:35	DFM	
Safrole [94-59-7] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/07/11 13:35	DFM	
Thionazin [297-97-2] ^	2.3	U	ug/L	1	2.3	10	20	EPA 8270D	10/07/11 13:35	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*75*	*1*	*100*	*75 %*	*10-179*	*1I27001*	*EPA 8270D*	*10/07/11 13:35*	*DFM*	
2-Fluorobiphenyl	*33*	*1*	*50.0*	*67 %*	*10-149*	*1I27001*	*EPA 8270D*	*10/07/11 13:35*	*DFM*	
2-Fluorophenol	*45*	*1*	*100*	*45 %*	*10-110*	*1I27001*	*EPA 8270D*	*10/07/11 13:35*	*DFM*	
Nitrobenzene-d5	*28*	*1*	*50.0*	*57 %*	*10-149*	*1I27001*	*EPA 8270D*	*10/07/11 13:35*	*DFM*	
Phenol-d5	*40*	*1*	*100*	*40 %*	*10-88*	*1I27001*	*EPA 8270D*	*10/07/11 13:35*	*DFM*	
Terphenyl-d14	*52*	*1*	*50.0*	*103 %*	*10-188*	*1I27001*	*EPA 8270D*	*10/07/11 13:35*	*DFM*	

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Description: 4501-MW10 | **Lab Sample ID:** C110553-01 | **Received:** 09/23/11 10:30

Matrix: Ground Water | **Sampled:** 09/21/11 08:55 | **Work Order:** C110553

Project: Henderson Co. LF C&D | **Sampled By:** Brent Freyer

Organochlorine Pesticides by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
4,4'-DDD [72-54-8] ^	0.044	U	ug/L	1	0.044	0.050	0.1	EPA 8081B	09/28/11 13:18	MSZ	
4,4'-DDE [72-55-9] ^	0.048	U	ug/L	1	0.048	0.050	0.1	EPA 8081B	09/28/11 13:18	MSZ	
4,4'-DDT [50-29-3] ^	0.049	U	ug/L	1	0.049	0.050	0.1	EPA 8081B	09/28/11 13:18	MSZ	
Aldrin [309-00-2] ^	0.038	U	ug/L	1	0.038	0.050	0.05	EPA 8081B	09/28/11 13:18	MSZ	
alpha-BHC [319-84-6] ^	0.027	U	ug/L	1	0.027	0.050	0.05	EPA 8081B	09/28/11 13:18	MSZ	
beta-BHC [319-85-7] ^	0.027	U	ug/L	1	0.027	0.050	0.05	EPA 8081B	09/28/11 13:18	MSZ	
Chlordane (tech) [12789-03-6] ^	0.20	U	ug/L	1	0.20	0.50	0.5	EPA 8081B	09/28/11 13:18	MSZ	
Chlordane-alpha [5103-71-9] ^	0.048	U	ug/L	1	0.048	0.050	NE	EPA 8081B	09/28/11 13:18	MSZ	
Chlordane-gamma [5566-34-7] ^	0.040	U	ug/L	1	0.040	0.050	NE	EPA 8081B	09/28/11 13:18	MSZ	
delta-BHC [319-86-8] ^	0.022	U	ug/L	1	0.022	0.050	0.05	EPA 8081B	09/28/11 13:18	MSZ	
Dieldrin [60-57-1] ^	0.0020	U	ug/L	1	0.0020	0.050	0.075	EPA 8081B	09/28/11 13:18	MSZ	
Endosulfan I [959-98-8] ^	0.041	U	ug/L	1	0.041	0.050	0.1	EPA 8081B	09/28/11 13:18	MSZ	
Endosulfan II [33213-65-9] ^	0.029	U	ug/L	1	0.029	0.050	0.1	EPA 8081B	09/28/11 13:18	MSZ	
Endosulfan sulfate [1031-07-8] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	09/28/11 13:18	MSZ	
Endrin [72-20-8] ^	0.029	U	ug/L	1	0.029	0.050	0.1	EPA 8081B	09/28/11 13:18	MSZ	
Endrin aldehyde [7421-93-4] ^	0.031	U	ug/L	1	0.031	0.050	0.1	EPA 8081B	09/28/11 13:18	MSZ	
gamma-BHC [58-89-9] ^	0.022	U	ug/L	1	0.022	0.050	0.05	EPA 8081B	09/28/11 13:18	MSZ	
Heptachlor [76-44-8] ^	0.038	U	ug/L	1	0.038	0.050	0.05	EPA 8081B	09/28/11 13:18	MSZ	
Heptachlor epoxide [1024-57-3] ^	0.027	U	ug/L	1	0.027	0.050	0.075	EPA 8081B	09/28/11 13:18	MSZ	
Methoxychlor [72-43-5] ^	0.025	U	ug/L	1	0.025	0.050	1	EPA 8081B	09/28/11 13:18	MSZ	
Toxaphene [8001-35-2] ^	0.22	U	ug/L	1	0.22	0.50	1.5	EPA 8081B	09/28/11 13:18	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*1.1*	*1*	*1.00*	*107 %*	*44-134*	*1I26001*	*EPA 8081B*	*09/28/11 13:18*	*MSZ*	
Decachlorobiphenyl	*1.0*	*1*	*1.00*	*103 %*	*37-149*	*1I26001*	*EPA 8081B*	*09/28/11 13:18*	*MSZ*	

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Description: 4501-MW10
Matrix: Ground Water
Project: Henderson Co. LF C&D

Lab Sample ID: C110553-01
Sampled: 09/21/11 08:55
Sampled By: Brent Freyer

Received: 09/23/11 10:30
Work Order: C110553

Polychlorinated Biphenyls by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
PCB-1016/1242 [12674-11-2/53469-21-9] ^	0.19	U	ug/L	1	0.19	0.50	2	EPA 8082A	09/28/11 13:18	MSZ	
PCB-1221 [11104-28-2] ^	0.046	U	ug/L	1	0.046	0.50	NE	EPA 8082A	09/28/11 13:18	MSZ	
PCB-1232 [11141-16-5] ^	0.028	U	ug/L	1	0.028	0.50	NE	EPA 8082A	09/28/11 13:18	MSZ	
PCB-1248 [12672-29-6] ^	0.014	U	ug/L	1	0.014	0.50	NE	EPA 8082A	09/28/11 13:18	MSZ	
PCB-1254 [11097-69-1] ^	0.015	U	ug/L	1	0.015	0.50	NE	EPA 8082A	09/28/11 13:18	MSZ	
PCB-1260 [11096-82-5] ^	0.13	U	ug/L	1	0.13	0.50	NE	EPA 8082A	09/28/11 13:18	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*1.1*	*1*	*1.00*	*107 %*	*45-151*	*1I26002*	*EPA 8082A*	*09/28/11 13:18*	*MSZ*	
Decachlorobiphenyl	*1.0*	*1*	*1.00*	*103 %*	*42-159*	*1I26002*	*EPA 8082A*	*09/28/11 13:18*	*MSZ*	

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Description: 4501-MW10 | **Lab Sample ID:** C110553-01 | **Received:** 09/23/11 10:30

Matrix: Ground Water | **Sampled:** 09/21/11 08:55 | **Work Order:** C110553

Project: Henderson Co. LF C&D | **Sampled By:** Brent Freyer

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	09/28/11 15:55	NLH	

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Description: 4501-MW10 | **Lab Sample ID:** C110553-01 | **Received:** 09/23/11 10:30

Matrix: Ground Water | **Sampled:** 09/21/11 08:55 | **Work Order:** C110553

Project: Henderson Co. LF C&D | **Sampled By:** Brent Freyer

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

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	**0.255**	J	ug/L	1	0.220	2.00	6	EPA 6020A	09/27/11 11:12	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	09/27/11 10:03	JDH	
Barium [7440-39-3] ^	**2.53**	J	ug/L	1	1.00	10.0	100	EPA 6010C	09/27/11 10:03	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	09/27/11 10:03	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	09/27/11 10:03	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	09/27/11 10:03	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	09/27/11 10:03	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	09/27/11 10:03	JDH	
Iron [7439-89-6] ^	**153**	J	ug/L	1	22.0	50.0	300	EPA 6010C	09/27/11 10:03	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/27/11 10:03	JDH	
Manganese [7439-96-5] ^	**8.27**	J	ug/L	1	1.10	10.0	50	EPA 6010C	09/27/11 10:03	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	09/27/11 10:03	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	09/27/11 11:12	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/27/11 10:03	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	09/27/11 11:12	VLO	
Tin [7440-31-5] ^	2.10	U	ug/L	1	2.10	10.0	100	EPA 6010C	09/27/11 10:03	JDH	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	09/27/11 10:03	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	09/27/11 10:03	JDH	

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Description: 4501-MW10 | **Lab Sample ID:** C110553-01 | **Received:** 09/23/11 10:30

Matrix: Ground Water | **Sampled:** 09/21/11 08:55 | **Work Order:** C110553

Project: Henderson Co. LF C&D | **Sampled By:** Brent Freyer

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Chloride [16887-00-6] ^	**2600**	JB	ug/L	1	47	5000	NE	EPA 300.0	09/28/11 01:14	CCB	J-01
Cyanide (total) [57-12-5] ^	3.9	U	ug/L	1	3.9	10	10	EPA 9014	09/28/11 18:18	AJB	
Sulfate as SO4 [14808-79-8] ^	**1700**	JB	ug/L	1	20	5000	250000	EPA 300.0	09/28/11 01:14	CCB	J-01
Sulfide [18496-25-8] ^	10	U	ug/L	1	10	100	1000	SM18 4500-S D	09/26/11 11:57	JOC	
Total Alkalinity as CaCO3 [471-34-1] ^	12000	U	ug/L	1	12000	15000	NE	EPA 310.2	09/27/11 14:08	CCB	
Total Dissolved Solids [ECL-0156] ^	**16000**		ug/L	1	10000	10000	NE	SM 2540C	09/26/11 11:25	KER	

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Description: 4501-MW10 | **Lab Sample ID:** C110553-01 | **Received:** 09/23/11 10:30

Matrix: Ground Water | **Sampled:** 09/21/11 08:55 | **Work Order:** C110553

Project: Henderson Co. LF C&D | **Sampled By:** Brent Freyer

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
2,4,5-T [93-76-5] ^	0.14	U	ug/L	1	0.14	0.50	2	EPA 8151A	09/30/11 21:24	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.15	U	ug/L	1	0.15	0.50	2	EPA 8151A	09/30/11 21:24	RGG	
2,4-D [94-75-7] ^	0.15	U	ug/L	1	0.15	0.50	2	EPA 8151A	09/30/11 21:24	RGG	
Dinoseb [88-85-7] ^	0.32	U	ug/L	1	0.32	0.50		EPA 8151A	09/30/11 21:24	RGG	
Pentachlorophenol [87-86-5] ^	0.13	U	ug/L	1	0.13	0.50	25	EPA 8151A	09/30/11 21:24	RGG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*1.8*	*1*	*2.00*	*88 %*	*68-139*	*1I27018*	*EPA 8151A*	*09/30/11 21:24*	*RGG*	

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

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Description: 4501-MW12 (MS/MSD) **Lab Sample ID:** C110553-02 **Received:** 09/23/11 10:30
Matrix: Ground Water **Sampled:** 09/22/11 09:30 **Work Order:** C110553
Project: Henderson Co. LF C&D **Sampled By:** Brent Freyer

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	09/29/11 18:46	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	09/29/11 18:46	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	09/29/11 18:46	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/29/11 18:46	jkg	
1,1-Dichloroethane [75-34-3] ^	**0.51**	J	ug/L	1	0.080	1.0	5	EPA 8260B	09/29/11 18:46	jkg	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	09/29/11 18:46	jkg	
1,1-Dichloropropene [563-58-6] ^	0.66	U	ug/L	1	0.66	1.0	5	EPA 8260B	09/29/11 18:46	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	09/29/11 18:46	jkg	
1,2,4-Trichlorobenzene [120-82-1] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	09/29/11 18:46	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	09/29/11 18:46	jkg	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/29/11 18:46	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	09/29/11 18:46	jkg	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	09/29/11 18:46	jkg	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	09/29/11 18:46	jkg	
1,3-Dichlorobenzene [541-73-1] ^	0.79	U	ug/L	1	0.79	1.0	5	EPA 8260B	09/29/11 18:46	jkg	
1,3-Dichloropropane [142-28-9] ^	0.67	U	ug/L	1	0.67	1.0	1	EPA 8260B	09/29/11 18:46	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	09/29/11 18:46	jkg	
2,2-Dichloropropane [594-20-7] ^	0.56	U	ug/L	1	0.56	1.0	15	EPA 8260B	09/29/11 18:46	jkg	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	09/29/11 18:46	jkg	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	09/29/11 18:46	jkg	
3-Chloropropene [107-05-1] ^	0.11	U	ug/L	1	0.11	1.0	10	EPA 8260B	09/29/11 18:46	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	09/29/11 18:46	jkg	
Acetone [67-64-1] ^	**18**	J	ug/L	1	1.2	5.0	100	EPA 8260B	09/29/11 18:46	jkg	
Acetonitrile [75-05-8] ^	5.0	U	ug/L	1	5.0	10	55	EPA 8260B	09/29/11 18:46	jkg	
Acrolein [107-02-8] ^	4.0	U	ug/L	1	4.0	10	53	EPA 8260B	09/29/11 18:46	jkg	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	09/29/11 18:46	jkg	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	09/29/11 18:46	jkg	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	09/29/11 18:46	jkg	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	09/29/11 18:46	jkg	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	09/29/11 18:46	jkg	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	09/29/11 18:46	jkg	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	09/29/11 18:46	jkg	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	09/29/11 18:46	jkg	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	09/29/11 18:46	jkg	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	09/29/11 18:46	jkg	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	09/29/11 18:46	jkg	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	09/29/11 18:46	jkg	
Chloroprene [126-99-8] ^	0.64	U	ug/L	1	0.64	1.0	20	EPA 8260B	09/29/11 18:46	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	0.72	U	ug/L	1	0.72	1.0	5	EPA 8260B	09/29/11 18:46	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	09/29/11 18:46	jkg	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	09/29/11 18:46	jkg	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	09/29/11 18:46	jkg	
Dichlorodifluoromethane [75-71-8] ^	0.56	U	ug/L	1	0.56	1.0	5	EPA 8260B	09/29/11 18:46	jkg	
Ethyl Methacrylate [97-63-2] ^	0.38	U	ug/L	1	0.38	1.0	10	EPA 8260B	09/29/11 18:46	jkg	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	09/29/11 18:46	jkg	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	09/29/11 18:46	jkg	

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Description: 4501-MW12 (MS/MSD) | **Lab Sample ID:** C110553-02 | **Received:** 09/23/11 10:30

Matrix: Ground Water | **Sampled:** 09/22/11 09:30 | **Work Order:** C110553

Project: Henderson Co. LF C&D | **Sampled By:** Brent Freyer

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Isobutyl alcohol [78-83-1] ^	11	U	ug/L	1	11	50	100	EPA 8260B	09/29/11 18:46	jkg	
Methacrylonitrile [126-98-7] ^	4.9	U	ug/L	1	4.9	10	100	EPA 8260B	09/29/11 18:46	jkg	
Methyl Methacrylate [80-62-6] ^	0.51	U	ug/L	1	0.51	1.0	30	EPA 8260B	09/29/11 18:46	jkg	
Methylene chloride [75-09-2] ^	**1.0**		ug/L	1	0.14	1.0	1	EPA 8260B	09/29/11 18:46	jkg	
Naphthalene [91-20-3] ^	**5.6**	J	ug/L	1	0.46	1.0	10	EPA 8260B	09/29/11 18:46	jkg	
Propionitrile [107-12-0] ^	5.0	U	ug/L	1	5.0	10	150	EPA 8260B	09/29/11 18:46	jkg	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	09/29/11 18:46	jkg	
Tetrachloroethene [127-18-4] ^	0.73	U	ug/L	1	0.73	1.0	1	EPA 8260B	09/29/11 18:46	jkg	
Tetrahydrofuran [109-99-9] ^	**39**		ug/L	1	0.80	1.0	NE	EPA 8260B	09/29/11 18:46	jkg	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	09/29/11 18:46	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	09/29/11 18:46	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	09/29/11 18:46	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	09/29/11 18:46	jkg	
Trichloroethene [79-01-6] ^	**0.82**	J	ug/L	1	0.72	1.0	1	EPA 8260B	09/29/11 18:46	jkg	
Trichlorofluoromethane [75-69-4] ^	**0.82**	J	ug/L	1	0.66	1.0	1	EPA 8260B	09/29/11 18:46	jkg	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	09/29/11 18:46	jkg	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	09/29/11 18:46	jkg	
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	09/29/11 18:46	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*52*	*1*	*50.0*	*104 %*	*51-122*	*1I29027*	*EPA 8260B*	*09/29/11 18:46*	*jkg*	
Dibromofluoromethane	*54*	*1*	*50.0*	*109 %*	*68-117*	*1I29027*	*EPA 8260B*	*09/29/11 18:46*	*jkg*	
Toluene-d8	*53*	*1*	*50.0*	*106 %*	*69-110*	*1I29027*	*EPA 8260B*	*09/29/11 18:46*	*jkg*	

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Description: 4501-MW12 (MS/MSD) **Lab Sample ID:** C110553-02 **Received:** 09/23/11 10:30
Matrix: Ground Water **Sampled:** 09/22/11 09:30 **Work Order:** C110553
Project: Henderson Co. LF C&D **Sampled By:** Brent Freyer

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,2,4,5-Tetrachlorobenzene [95-94-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/07/11 14:02	DFM	
1,3,5-Trinitrobenzene [99-35-4] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	10/07/11 14:02	DFM	
1,3-Dinitrobenzene [99-65-0] ^	1.9	U	ug/L	1	1.9	10	20	EPA 8270D	10/07/11 14:02	DFM	
1,4-Naphthoquinone [130-15-4] ^	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	10/07/11 14:02	DFM	
1,4-Phenylenediamine [106-50-3] ^	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	10/07/11 14:02	DFM	
1-Naphthylamine [134-32-7] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/07/11 14:02	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/07/11 14:02	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/07/11 14:02	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/07/11 14:02	DFM	
2,4-Dichlorophenol [120-83-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/07/11 14:02	DFM	
2,4-Dimethylphenol [105-67-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 14:02	DFM	
2,4-Dinitrophenol [51-28-5] ^	2.6	U	ug/L	1	2.6	10	50	EPA 8270D	10/07/11 14:02	DFM	QV-01
2,4-Dinitrotoluene [121-14-2] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270D	10/07/11 14:02	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/07/11 14:02	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	10/07/11 14:02	DFM	
2-Acetylaminofluorene [53-96-3] ^	2.5	U	ug/L	1	2.5	10	20	EPA 8270D	10/07/11 14:02	DFM	
2-Chloronaphthalene [91-58-7] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/07/11 14:02	DFM	
2-Chlorophenol [95-57-8] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/07/11 14:02	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	2.9	U	ug/L	1	2.9	10	50	EPA 8270D	10/07/11 14:02	DFM	
2-Methylnaphthalene [91-57-6] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	10/07/11 14:02	DFM	
2-Methylphenol [95-48-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/07/11 14:02	DFM	
2-Naphthylamine [91-59-8] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	10/07/11 14:02	DFM	
2-Nitroaniline [88-74-4] ^	1.5	U	ug/L	1	1.5	10	50	EPA 8270D	10/07/11 14:02	DFM	
2-Nitrophenol [88-75-5] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/07/11 14:02	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	10/07/11 14:02	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	3.3	U	ug/L	1	3.3	10	20	EPA 8270D	10/07/11 14:02	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270D	10/07/11 14:02	DFM	
3-Methylcholanthrene [56-49-5] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 14:02	DFM	
3-Nitroaniline [99-09-2] ^	2.1	U	ug/L	1	2.1	10	50	EPA 8270D	10/07/11 14:02	DFM	QV-01
4-Aminobiphenyl [92-67-1] ^	2.1	U	ug/L	1	2.1	10	20	EPA 8270D	10/07/11 14:02	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/07/11 14:02	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270D	10/07/11 14:02	DFM	
4-Chloroaniline [106-47-8] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	10/07/11 14:02	DFM	QV-01
4-Chlorophenyl-phenylether [7005-72-3] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	10/07/11 14:02	DFM	
4-Nitroaniline [100-01-6] ^	3.2	U	ug/L	1	3.2	10	20	EPA 8270D	10/07/11 14:02	DFM	QV-01
4-Nitrophenol [100-02-7] ^	2.0	U	ug/L	1	2.0	10	50	EPA 8270D	10/07/11 14:02	DFM	QV-01
5-Nitro-o-toluidine [99-55-8] ^	3.2	U	ug/L	1	3.2	10	10	EPA 8270D	10/07/11 14:02	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/07/11 14:02	DFM	
Acenaphthene [83-32-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/07/11 14:02	DFM	
Acenaphthylene [208-96-8] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/07/11 14:02	DFM	
Acetophenone [98-86-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 14:02	DFM	
Anthracene [120-12-7] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	10/07/11 14:02	DFM	
Benzo(a)anthracene [56-55-3] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 14:02	DFM	
Benzo(a)pyrene [50-32-8] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 14:02	DFM	QV-01
Benzo(b)fluoranthene [205-99-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/07/11 14:02	DFM	

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Description: 4501-MW12 (MS/MSD) **Lab Sample ID:** C110553-02 **Received:** 09/23/11 10:30
Matrix: Ground Water **Sampled:** 09/22/11 09:30 **Work Order:** C110553
Project: Henderson Co. LF C&D **Sampled By:** Brent Freyer

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Benzo(g,h,i)perylene [191-24-2] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270D	10/07/11 14:02	DFM	QV-01
Benzo(k)fluoranthene [207-08-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 14:02	DFM	
Benzyl alcohol [100-51-6] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270D	10/07/11 14:02	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/07/11 14:02	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/07/11 14:02	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 14:02	DFM	QV-01
Bis(2-ethylhexyl)phthalate [117-81-7] ^	1.7	U	ug/L	1	1.7	5.0	15	EPA 8270D	10/07/11 14:02	DFM	
Butylbenzylphthalate [85-68-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/07/11 14:02	DFM	
Chlorobenzilate [510-15-6] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/07/11 14:02	DFM	
Chrysene [218-01-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/07/11 14:02	DFM	
Diallate [2303-16-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/07/11 14:02	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	2.3	U	ug/L	1	2.3	10	10	EPA 8270D	10/07/11 14:02	DFM	
Dibenzofuran [132-64-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/07/11 14:02	DFM	
Diethylphthalate [84-66-2] ^	2.1	U	ug/L	1	2.1	10	6000	EPA 8270D	10/07/11 14:02	DFM	
Dimethoate [60-51-5] ^	2.3	U	ug/L	1	2.3	10	20	EPA 8270D	10/07/11 14:02	DFM	
Dimethylphthalate [131-11-3] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/07/11 14:02	DFM	
Di-n-butylphthalate [84-74-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	10/07/11 14:02	DFM	
Di-n-octylphthalate [117-84-0] ^	3.1	U	ug/L	1	3.1	10	10	EPA 8270D	10/07/11 14:02	DFM	
Disulfoton [298-04-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/07/11 14:02	DFM	
Ethyl methanesulfonate [62-50-0] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	10/07/11 14:02	DFM	
Famphur [52-85-7] ^	2.7	U	ug/L	1	2.7	10	20	EPA 8270D	10/07/11 14:02	DFM	
Fluoranthene [206-44-0] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	10/07/11 14:02	DFM	
Fluorene [86-73-7] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	10/07/11 14:02	DFM	
Hexachlorobenzene [118-74-1] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/07/11 14:02	DFM	
Hexachlorobutadiene [87-68-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/07/11 14:02	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 14:02	DFM	
Hexachloroethane [67-72-1] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/07/11 14:02	DFM	
Hexachloropropene [1888-71-7] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	10/07/11 14:02	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270D	10/07/11 14:02	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	10/07/11 14:02	DFM	
Isophorone [78-59-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 14:02	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 14:02	DFM	
Kepone [143-50-0] ^	7.2	U	ug/L	1	7.2	20	20	EPA 8270D	10/07/11 14:02	DFM	QV-01
Methapyrilene [91-80-5] ^	3.5	U	ug/L	1	3.5	10	100	EPA 8270D	10/07/11 14:02	DFM	
Methyl Methanesulfonate [66-27-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/07/11 14:02	DFM	
Methyl parathion [298-00-0] ^	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	10/07/11 14:02	DFM	
Nitrobenzene [98-95-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/07/11 14:02	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	10/07/11 14:02	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 14:02	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/07/11 14:02	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	10/07/11 14:02	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	10/07/11 14:02	DFM	
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/07/11 14:02	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270D	10/07/11 14:02	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 14:02	DFM	

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Description: 4501-MW12 (MS/MSD) **Lab Sample ID:** C110553-02 **Received:** 09/23/11 10:30
Matrix: Ground Water **Sampled:** 09/22/11 09:30 **Work Order:** C110553
Project: Henderson Co. LF C&D **Sampled By:** Brent Freyer

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
O,O,O-Triethyl phosphorothioate [126-68-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 14:02	DFM	
o-Toluidine [95-53-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/07/11 14:02	DFM	
Parathion [56-38-2] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	10/07/11 14:02	DFM	
p-Dimethylaminoazobenzene [60-11-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/07/11 14:02	DFM	
Pentachlorobenzene [608-93-5] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 14:02	DFM	
Pentachloronitrobenzene [82-68-8] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	10/07/11 14:02	DFM	
Phenacetin [62-44-2] ^	2.7	U	ug/L	1	2.7	10	20	EPA 8270D	10/07/11 14:02	DFM	
Phenanthrene [85-01-8] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/07/11 14:02	DFM	
Phenol [108-95-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/07/11 14:02	DFM	
Phorate [298-02-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/07/11 14:02	DFM	
Pronamide [23950-58-5] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/07/11 14:02	DFM	
Pyrene [129-00-0] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	10/07/11 14:02	DFM	
Safrole [94-59-7] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/07/11 14:02	DFM	
Thionazin [297-97-2] ^	2.3	U	ug/L	1	2.3	10	20	EPA 8270D	10/07/11 14:02	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*93*	*1*	*100*	*93 %*	*10-179*	*1I27001*	*EPA 8270D*	*10/07/11 14:02*	*DFM*	
2-Fluorobiphenyl	*38*	*1*	*50.0*	*75 %*	*10-149*	*1I27001*	*EPA 8270D*	*10/07/11 14:02*	*DFM*	
2-Fluorophenol	*51*	*1*	*100*	*51 %*	*10-110*	*1I27001*	*EPA 8270D*	*10/07/11 14:02*	*DFM*	
Nitrobenzene-d5	*30*	*1*	*50.0*	*61 %*	*10-149*	*1I27001*	*EPA 8270D*	*10/07/11 14:02*	*DFM*	
Phenol-d5	*49*	*1*	*100*	*49 %*	*10-88*	*1I27001*	*EPA 8270D*	*10/07/11 14:02*	*DFM*	
Terphenyl-d14	*49*	*1*	*50.0*	*97 %*	*10-188*	*1I27001*	*EPA 8270D*	*10/07/11 14:02*	*DFM*	

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Description: 4501-MW12 (MS/MSD) **Lab Sample ID:** C110553-02 **Received:** 09/23/11 10:30

Matrix: Ground Water **Sampled:** 09/22/11 09:30 **Work Order:** C110553

Project: Henderson Co. LF C&D **Sampled By:** Brent Freyer

Organochlorine Pesticides by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
4,4'-DDD [72-54-8] ^	0.044	U	ug/L	1	0.044	0.050	0.1	EPA 8081B	09/28/11 13:31	MSZ	
4,4'-DDE [72-55-9] ^	0.048	U	ug/L	1	0.048	0.050	0.1	EPA 8081B	09/28/11 13:31	MSZ	
4,4'-DDT [50-29-3] ^	0.049	U	ug/L	1	0.049	0.050	0.1	EPA 8081B	09/28/11 13:31	MSZ	
Aldrin [309-00-2] ^	0.038	U	ug/L	1	0.038	0.050	0.05	EPA 8081B	09/28/11 13:31	MSZ	
alpha-BHC [319-84-6] ^	0.027	U	ug/L	1	0.027	0.050	0.05	EPA 8081B	09/28/11 13:31	MSZ	
beta-BHC [319-85-7] ^	0.027	U	ug/L	1	0.027	0.050	0.05	EPA 8081B	09/28/11 13:31	MSZ	
Chlordane (tech) [12789-03-6] ^	0.20	U	ug/L	1	0.20	0.50	0.5	EPA 8081B	09/28/11 13:31	MSZ	
Chlordane-alpha [5103-71-9] ^	0.048	U	ug/L	1	0.048	0.050	NE	EPA 8081B	09/28/11 13:31	MSZ	
Chlordane-gamma [5566-34-7] ^	0.040	U	ug/L	1	0.040	0.050	NE	EPA 8081B	09/28/11 13:31	MSZ	
delta-BHC [319-86-8] ^	0.022	U	ug/L	1	0.022	0.050	0.05	EPA 8081B	09/28/11 13:31	MSZ	
Dieldrin [60-57-1] ^	0.0020	U	ug/L	1	0.0020	0.050	0.075	EPA 8081B	09/28/11 13:31	MSZ	
Endosulfan I [959-98-8] ^	0.041	U	ug/L	1	0.041	0.050	0.1	EPA 8081B	09/28/11 13:31	MSZ	
Endosulfan II [33213-65-9] ^	0.029	U	ug/L	1	0.029	0.050	0.1	EPA 8081B	09/28/11 13:31	MSZ	
Endosulfan sulfate [1031-07-8] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	09/28/11 13:31	MSZ	
Endrin [72-20-8] ^	0.029	U	ug/L	1	0.029	0.050	0.1	EPA 8081B	09/28/11 13:31	MSZ	
Endrin aldehyde [7421-93-4] ^	0.031	U	ug/L	1	0.031	0.050	0.1	EPA 8081B	09/28/11 13:31	MSZ	
gamma-BHC [58-89-9] ^	0.022	U	ug/L	1	0.022	0.050	0.05	EPA 8081B	09/28/11 13:31	MSZ	
Heptachlor [76-44-8] ^	0.038	U	ug/L	1	0.038	0.050	0.05	EPA 8081B	09/28/11 13:31	MSZ	
Heptachlor epoxide [1024-57-3] ^	0.027	U	ug/L	1	0.027	0.050	0.075	EPA 8081B	09/28/11 13:31	MSZ	
Methoxychlor [72-43-5] ^	0.025	U	ug/L	1	0.025	0.050	1	EPA 8081B	09/28/11 13:31	MSZ	
Toxaphene [8001-35-2] ^	0.22	U	ug/L	1	0.22	0.50	1.5	EPA 8081B	09/28/11 13:31	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.85*	*1*	*1.00*	*85 %*	*44-134*	*1I26001*	*EPA 8081B*	*09/28/11 13:31*	*MSZ*	
Decachlorobiphenyl	*1.2*	*1*	*1.00*	*121 %*	*37-149*	*1I26001*	*EPA 8081B*	*09/28/11 13:31*	*MSZ*	

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Description: 4501-MW12 (MS/MSD) | **Lab Sample ID:** C110553-02 | **Received:** 09/23/11 10:30

Matrix: Ground Water | **Sampled:** 09/22/11 09:30 | **Work Order:** C110553

Project: Henderson Co. LF C&D | **Sampled By:** Brent Freyer

Polychlorinated Biphenyls by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
PCB-1016/1242 [12674-11-2/53469-21-9] ^	0.19	U	ug/L	1	0.19	0.50	2	EPA 8082A	09/28/11 13:31	MSZ	
PCB-1221 [11104-28-2] ^	0.046	U	ug/L	1	0.046	0.50	NE	EPA 8082A	09/28/11 13:31	MSZ	
PCB-1232 [11141-16-5] ^	0.028	U	ug/L	1	0.028	0.50	NE	EPA 8082A	09/28/11 13:31	MSZ	
PCB-1248 [12672-29-6] ^	0.014	U	ug/L	1	0.014	0.50	NE	EPA 8082A	09/28/11 13:31	MSZ	
PCB-1254 [11097-69-1] ^	0.015	U	ug/L	1	0.015	0.50	NE	EPA 8082A	09/28/11 13:31	MSZ	
PCB-1260 [11096-82-5] ^	0.13	U	ug/L	1	0.13	0.50	NE	EPA 8082A	09/28/11 13:31	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.85*	*1*	*1.00*	*85 %*	*45-151*	*1I26002*	*EPA 8082A*	*09/28/11 13:31*	*MSZ*	
Decachlorobiphenyl	*1.2*	*1*	*1.00*	*121 %*	*42-159*	*1I26002*	*EPA 8082A*	*09/28/11 13:31*	*MSZ*	

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Description:	4501-MW12 (MS/MSD)	**Lab Sample ID:**	C110553-02	**Received:**	09/23/11 10:30
Matrix:	Ground Water	**Sampled:**	09/22/11 09:30	**Work Order:**	C110553
Project:	Henderson Co. LF C&D	**Sampled By:**	Brent Freyer		

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	09/28/11 15:43	NLH	

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Description: 4501-MW12 (MS/MSD) **Lab Sample ID:** C110553-02 **Received:** 09/23/11 10:30

Matrix: Ground Water **Sampled:** 09/22/11 09:30 **Work Order:** C110553

Project: Henderson Co. LF C&D **Sampled By:** Brent Freyer

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

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.220	U	ug/L	1	0.220	2.00	6	EPA 6020A	09/27/11 11:16	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	09/27/11 09:38	JDH	
Barium [7440-39-3] ^	**13.7**	J	ug/L	1	1.00	10.0	100	EPA 6010C	09/27/11 09:38	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	09/27/11 09:38	JDH	
Cadmium [7440-43-9] ^	**0.402**	J	ug/L	1	0.360	1.00	1	EPA 6010C	09/27/11 09:38	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	09/27/11 09:38	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	09/27/11 09:38	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	09/27/11 09:38	JDH	
Iron [7439-89-6] ^	**269**	J	ug/L	1	22.0	50.0	300	EPA 6010C	09/27/11 09:38	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/27/11 09:38	JDH	
Manganese [7439-96-5] ^	**239**		ug/L	1	1.10	10.0	50	EPA 6010C	09/27/11 09:38	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	09/27/11 09:38	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	09/27/11 11:16	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/27/11 09:38	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	09/27/11 11:16	VLO	
Tin [7440-31-5] ^	**4.60**	J	ug/L	1	2.10	10.0	100	EPA 6010C	09/27/11 09:38	JDH	
Vanadium [7440-62-2] ^	**2.32**	J	ug/L	1	1.40	10.0	25	EPA 6010C	09/27/11 09:38	JDH	
Zinc [7440-66-6] ^	**12.0**		ug/L	1	3.80	10.0	10	EPA 6010C	09/27/11 09:38	JDH	

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Description: 4501-MW12 (MS/MSD) **Lab Sample ID:** C110553-02 **Received:** 09/23/11 10:30

Matrix: Ground Water **Sampled:** 09/22/11 09:30 **Work Order:** C110553

Project: Henderson Co. LF C&D **Sampled By:** Brent Freyer

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Chloride [16887-00-6] ^	**17000**	B	ug/L	1	47	5000	NE	EPA 300.0	09/28/11 01:31	CCB	QB-01
Cyanide (total) [57-12-5] ^	3.9	U	ug/L	1	3.9	10	10	EPA 9014	09/28/11 18:20	AJB	
Sulfate as SO4 [14808-79-8] ^	**14000**	JB	ug/L	1	20	5000	250000	EPA 300.0	09/28/11 01:31	CCB	J-01
Sulfide [18496-25-8] ^	10	U	ug/L	1	10	100	1000	SM18 4500-S D	09/26/11 11:57	JOC	
Total Alkalinity as CaCO3 [471-34-1] ^	**90000**		ug/L	1	12000	15000	NE	EPA 310.2	09/27/11 14:05	CCB	
Total Dissolved Solids [ECL-0156] ^	**200000**		ug/L	1	10000	10000	NE	SM 2540C	09/26/11 11:25	KER	

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Description: 4501-MW12 (MS/MSD) | **Lab Sample ID:** C110553-02 | **Received:** 09/23/11 10:30

Matrix: Ground Water | **Sampled:** 09/22/11 09:30 | **Work Order:** C110553

Project: Henderson Co. LF C&D | **Sampled By:** Brent Freyer

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
2,4,5-T [93-76-5] ^	0.14	U	ug/L	1	0.14	0.50	2	EPA 8151A	09/30/11 20:04	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.15	U	ug/L	1	0.15	0.50	2	EPA 8151A	09/30/11 20:04	RGG	
2,4-D [94-75-7] ^	0.15	U	ug/L	1	0.15	0.50	2	EPA 8151A	09/30/11 20:04	RGG	
Dinoseb [88-85-7] ^	0.32	U	ug/L	1	0.32	0.50		EPA 8151A	09/30/11 20:04	RGG	
Pentachlorophenol [87-86-5] ^	0.13	U	ug/L	1	0.13	0.50	25	EPA 8151A	09/30/11 20:04	RGG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*1.8*	*1*	*2.00*	*88 %*	*68-139*	*1I27018*	*EPA 8151A*	*09/30/11 20:04*	*RGG*	

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

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Description: 4501-MW13 | **Lab Sample ID:** C110553-03 | **Received:** 09/23/11 10:30

Matrix: Ground Water | **Sampled:** 09/21/11 09:50 | **Work Order:** C110553

Project: Henderson Co. LF C&D | **Sampled By:** Brent Freyer

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.90	U	ug/L	1	0.90	1.0	5	EPA 8260B	09/29/11 22:14	jkg	
1,1,1-Trichloroethane [71-55-6] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	09/29/11 22:14	jkg	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.75	U	ug/L	1	0.75	1.0	3	EPA 8260B	09/29/11 22:14	jkg	
1,1,2-Trichloroethane [79-00-5] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/29/11 22:14	jkg	
1,1-Dichloroethane [75-34-3] ^	0.080	U	ug/L	1	0.080	1.0	5	EPA 8260B	09/29/11 22:14	jkg	
1,1-Dichloroethene [75-35-4] ^	0.60	U	ug/L	1	0.60	1.0	5	EPA 8260B	09/29/11 22:14	jkg	
1,1-Dichloropropene [563-58-6] ^	0.66	U	ug/L	1	0.66	1.0	5	EPA 8260B	09/29/11 22:14	jkg	
1,2,3-Trichloropropane [96-18-4] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	09/29/11 22:14	jkg	
1,2,4-Trichlorobenzene [120-82-1] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	09/29/11 22:14	jkg	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	09/29/11 22:14	jkg	
1,2-Dibromoethane [106-93-4] ^	0.66	U	ug/L	1	0.66	1.0	1	EPA 8260B	09/29/11 22:14	jkg	
1,2-Dichlorobenzene [95-50-1] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	09/29/11 22:14	jkg	
1,2-Dichloroethane [107-06-2] ^	0.47	U	ug/L	1	0.47	1.0	1	EPA 8260B	09/29/11 22:14	jkg	
1,2-Dichloropropane [78-87-5] ^	0.59	U	ug/L	1	0.59	1.0	1	EPA 8260B	09/29/11 22:14	jkg	
1,3-Dichlorobenzene [541-73-1] ^	0.79	U	ug/L	1	0.79	1.0	5	EPA 8260B	09/29/11 22:14	jkg	
1,3-Dichloropropane [142-28-9] ^	0.67	U	ug/L	1	0.67	1.0	1	EPA 8260B	09/29/11 22:14	jkg	
1,4-Dichlorobenzene [106-46-7] ^	0.79	U	ug/L	1	0.79	1.0	1	EPA 8260B	09/29/11 22:14	jkg	
2,2-Dichloropropane [594-20-7] ^	0.56	U	ug/L	1	0.56	1.0	15	EPA 8260B	09/29/11 22:14	jkg	
2-Butanone [78-93-3] ^	1.3	U	ug/L	1	1.3	5.0	100	EPA 8260B	09/29/11 22:14	jkg	
2-Hexanone [591-78-6] ^	0.88	U	ug/L	1	0.88	5.0	50	EPA 8260B	09/29/11 22:14	jkg	
3-Chloropropene [107-05-1] ^	0.11	U	ug/L	1	0.11	1.0	10	EPA 8260B	09/29/11 22:14	jkg	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	09/29/11 22:14	jkg	
Acetone [67-64-1] ^	1.2	U	ug/L	1	1.2	5.0	100	EPA 8260B	09/29/11 22:14	jkg	
Acetonitrile [75-05-8] ^	5.0	U	ug/L	1	5.0	10	55	EPA 8260B	09/29/11 22:14	jkg	
Acrolein [107-02-8] ^	4.0	U	ug/L	1	4.0	10	53	EPA 8260B	09/29/11 22:14	jkg	
Acrylonitrile [107-13-1] ^	3.5	U	ug/L	1	3.5	10	200	EPA 8260B	09/29/11 22:14	jkg	
Benzene [71-43-2] ^	0.68	U	ug/L	1	0.68	1.0	1	EPA 8260B	09/29/11 22:14	jkg	
Bromochloromethane [74-97-5] ^	0.87	U	ug/L	1	0.87	1.0	3	EPA 8260B	09/29/11 22:14	jkg	
Bromodichloromethane [75-27-4] ^	0.75	U	ug/L	1	0.75	1.0	1	EPA 8260B	09/29/11 22:14	jkg	
Bromoform [75-25-2] ^	0.68	U	ug/L	1	0.68	1.0	3	EPA 8260B	09/29/11 22:14	jkg	
Bromomethane [74-83-9] ^	0.58	U	ug/L	1	0.58	1.0	10	EPA 8260B	09/29/11 22:14	jkg	
Carbon disulfide [75-15-0] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	09/29/11 22:14	jkg	
Carbon tetrachloride [56-23-5] ^	0.69	U	ug/L	1	0.69	1.0	1	EPA 8260B	09/29/11 22:14	jkg	
Chlorobenzene [108-90-7] ^	0.74	U	ug/L	1	0.74	1.0	3	EPA 8260B	09/29/11 22:14	jkg	
Chloroethane [75-00-3] ^	0.75	U	ug/L	1	0.75	1.0	10	EPA 8260B	09/29/11 22:14	jkg	
Chloroform [67-66-3] ^	0.70	U	ug/L	1	0.70	1.0	5	EPA 8260B	09/29/11 22:14	jkg	
Chloromethane [74-87-3] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	09/29/11 22:14	jkg	
Chloroprene [126-99-8] ^	0.64	U	ug/L	1	0.64	1.0	20	EPA 8260B	09/29/11 22:14	jkg	
cis-1,2-Dichloroethene [156-59-2] ^	**1.1**	J	ug/L	1	0.72	1.0	5	EPA 8260B	09/29/11 22:14	jkg	
cis-1,3-Dichloropropene [10061-01-5] ^	0.075	U	ug/L	1	0.075	1.0	1	EPA 8260B	09/29/11 22:14	jkg	
Dibromochloromethane [124-48-1] ^	0.63	U	ug/L	1	0.63	1.0	3	EPA 8260B	09/29/11 22:14	jkg	
Dibromomethane [74-95-3] ^	0.90	U	ug/L	1	0.90	1.0	10	EPA 8260B	09/29/11 22:14	jkg	
Dichlorodifluoromethane [75-71-8] ^	0.56	U	ug/L	1	0.56	1.0	5	EPA 8260B	09/29/11 22:14	jkg	
Ethyl Methacrylate [97-63-2] ^	0.38	U	ug/L	1	0.38	1.0	10	EPA 8260B	09/29/11 22:14	jkg	
Ethylbenzene [100-41-4] ^	0.62	U	ug/L	1	0.62	1.0	1	EPA 8260B	09/29/11 22:14	jkg	
Iodomethane [74-88-4] ^	1.7	U	ug/L	1	1.7	5.0	10	EPA 8260B	09/29/11 22:14	jkg	

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Description: 4501-MW13 | **Lab Sample ID:** C110553-03 | **Received:** 09/23/11 10:30

Matrix: Ground Water | **Sampled:** 09/21/11 09:50 | **Work Order:** C110553

Project: Henderson Co. LF C&D | **Sampled By:** Brent Freyer

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Isobutyl alcohol [78-83-1] ^	11	U	ug/L	1	11	50	100	EPA 8260B	09/29/11 22:14	jkg	
Methacrylonitrile [126-98-7] ^	4.9	U	ug/L	1	4.9	10	100	EPA 8260B	09/29/11 22:14	jkg	
Methyl Methacrylate [80-62-6] ^	0.51	U	ug/L	1	0.51	1.0	30	EPA 8260B	09/29/11 22:14	jkg	
Methylene chloride [75-09-2] ^	0.14	U	ug/L	1	0.14	1.0	1	EPA 8260B	09/29/11 22:14	jkg	
Naphthalene [91-20-3] ^	0.46	U	ug/L	1	0.46	1.0	10	EPA 8260B	09/29/11 22:14	jkg	
Propionitrile [107-12-0] ^	5.0	U	ug/L	1	5.0	10	150	EPA 8260B	09/29/11 22:14	jkg	
Styrene [100-42-5] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	09/29/11 22:14	jkg	
Tetrachloroethene [127-18-4] ^	**0.75**	J	ug/L	1	0.73	1.0	1	EPA 8260B	09/29/11 22:14	jkg	
Tetrahydrofuran [109-99-9] ^	**8.2**		ug/L	1	0.80	1.0	NE	EPA 8260B	09/29/11 22:14	jkg	
Toluene [108-88-3] ^	0.85	U	ug/L	1	0.85	1.0	1	EPA 8260B	09/29/11 22:14	jkg	
trans-1,2-Dichloroethene [156-60-5] ^	0.12	U	ug/L	1	0.12	1.0	5	EPA 8260B	09/29/11 22:14	jkg	
trans-1,3-Dichloropropene [10061-02-6] ^	0.50	U	ug/L	1	0.50	1.0	1	EPA 8260B	09/29/11 22:14	jkg	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.70	U	ug/L	1	0.70	1.0	100	EPA 8260B	09/29/11 22:14	jkg	
Trichloroethene [79-01-6] ^	0.72	U	ug/L	1	0.72	1.0	1	EPA 8260B	09/29/11 22:14	jkg	
Trichlorofluoromethane [75-69-4] ^	**1.7**		ug/L	1	0.66	1.0	1	EPA 8260B	09/29/11 22:14	jkg	
Vinyl acetate [108-05-4] ^	0.95	U	ug/L	1	0.95	5.0	50	EPA 8260B	09/29/11 22:14	jkg	
Vinyl chloride [75-01-4] ^	0.60	U	ug/L	1	0.60	1.0	1	EPA 8260B	09/29/11 22:14	jkg	
Xylenes (Total) [1330-20-7] ^	2.1	U	ug/L	1	2.1	3.0	5	EPA 8260B	09/29/11 22:14	jkg	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*51*	*1*	*50.0*	*103 %*	*51-122*	*1I29027*	*EPA 8260B*	*09/29/11 22:14*	*jkg*	
Dibromofluoromethane	*53*	*1*	*50.0*	*106 %*	*68-117*	*1I29027*	*EPA 8260B*	*09/29/11 22:14*	*jkg*	
Toluene-d8	*54*	*1*	*50.0*	*107 %*	*69-110*	*1I29027*	*EPA 8260B*	*09/29/11 22:14*	*jkg*	

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Description: 4501-MW13 | **Lab Sample ID:** C110553-03 | **Received:** 09/23/11 10:30

Matrix: Ground Water | **Sampled:** 09/21/11 09:50 | **Work Order:** C110553

Project: Henderson Co. LF C&D | **Sampled By:** Brent Freyer

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,2,4,5-Tetrachlorobenzene [95-94-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/07/11 14:30	DFM	
1,3,5-Trinitrobenzene [99-35-4] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	10/07/11 14:30	DFM	
1,3-Dinitrobenzene [99-65-0] ^	1.9	U	ug/L	1	1.9	10	20	EPA 8270D	10/07/11 14:30	DFM	
1,4-Naphthoquinone [130-15-4] ^	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	10/07/11 14:30	DFM	
1,4-Phenylenediamine [106-50-3] ^	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	10/07/11 14:30	DFM	
1-Naphthylamine [134-32-7] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/07/11 14:30	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/07/11 14:30	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/07/11 14:30	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/07/11 14:30	DFM	
2,4-Dichlorophenol [120-83-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/07/11 14:30	DFM	
2,4-Dimethylphenol [105-67-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 14:30	DFM	
2,4-Dinitrophenol [51-28-5] ^	2.6	U	ug/L	1	2.6	10	50	EPA 8270D	10/07/11 14:30	DFM	QV-01
2,4-Dinitrotoluene [121-14-2] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270D	10/07/11 14:30	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/07/11 14:30	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	10/07/11 14:30	DFM	
2-Acetylaminofluorene [53-96-3] ^	2.5	U	ug/L	1	2.5	10	20	EPA 8270D	10/07/11 14:30	DFM	
2-Chloronaphthalene [91-58-7] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/07/11 14:30	DFM	
2-Chlorophenol [95-57-8] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/07/11 14:30	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	2.9	U	ug/L	1	2.9	10	50	EPA 8270D	10/07/11 14:30	DFM	
2-Methylnaphthalene [91-57-6] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	10/07/11 14:30	DFM	
2-Methylphenol [95-48-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/07/11 14:30	DFM	
2-Naphthylamine [91-59-8] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	10/07/11 14:30	DFM	
2-Nitroaniline [88-74-4] ^	1.5	U	ug/L	1	1.5	10	50	EPA 8270D	10/07/11 14:30	DFM	
2-Nitrophenol [88-75-5] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/07/11 14:30	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	10/07/11 14:30	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	3.3	U	ug/L	1	3.3	10	20	EPA 8270D	10/07/11 14:30	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270D	10/07/11 14:30	DFM	
3-Methylcholanthrene [56-49-5] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 14:30	DFM	
3-Nitroaniline [99-09-2] ^	2.1	U	ug/L	1	2.1	10	50	EPA 8270D	10/07/11 14:30	DFM	QV-01
4-Aminobiphenyl [92-67-1] ^	2.1	U	ug/L	1	2.1	10	20	EPA 8270D	10/07/11 14:30	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/07/11 14:30	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270D	10/07/11 14:30	DFM	
4-Chloroaniline [106-47-8] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	10/07/11 14:30	DFM	QV-01
4-Chlorophenyl-phenylether [7005-72-3] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	10/07/11 14:30	DFM	
4-Nitroaniline [100-01-6] ^	3.2	U	ug/L	1	3.2	10	20	EPA 8270D	10/07/11 14:30	DFM	QV-01
4-Nitrophenol [100-02-7] ^	2.0	U	ug/L	1	2.0	10	50	EPA 8270D	10/07/11 14:30	DFM	QV-01
5-Nitro-o-toluidine [99-55-8] ^	3.2	U	ug/L	1	3.2	10	10	EPA 8270D	10/07/11 14:30	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/07/11 14:30	DFM	
Acenaphthene [83-32-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/07/11 14:30	DFM	
Acenaphthylene [208-96-8] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/07/11 14:30	DFM	
Acetophenone [98-86-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 14:30	DFM	
Anthracene [120-12-7] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	10/07/11 14:30	DFM	
Benzo(a)anthracene [56-55-3] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 14:30	DFM	
Benzo(a)pyrene [50-32-8] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 14:30	DFM	QV-01
Benzo(b)fluoranthene [205-99-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/07/11 14:30	DFM	

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Description: 4501-MW13 | **Lab Sample ID:** C110553-03 | **Received:** 09/23/11 10:30

Matrix: Ground Water | **Sampled:** 09/21/11 09:50 | **Work Order:** C110553

Project: Henderson Co. LF C&D | **Sampled By:** Brent Freyer

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Benzo(g,h,i)perylene [191-24-2] ^	2.4	U	ug/L	1	2.4	10	10	EPA 8270D	10/07/11 14:30	DFM	QV-01
Benzo(k)fluoranthene [207-08-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 14:30	DFM	
Benzyl alcohol [100-51-6] ^	1.4	U	ug/L	1	1.4	10	20	EPA 8270D	10/07/11 14:30	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/07/11 14:30	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/07/11 14:30	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 14:30	DFM	QV-01
Bis(2-ethylhexyl)phthalate [117-81-7] ^	1.7	U	ug/L	1	1.7	5.0	15	EPA 8270D	10/07/11 14:30	DFM	
Butylbenzylphthalate [85-68-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/07/11 14:30	DFM	
Chlorobenzilate [510-15-6] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/07/11 14:30	DFM	
Chrysene [218-01-9] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	10/07/11 14:30	DFM	
Diallate [2303-16-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/07/11 14:30	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	2.3	U	ug/L	1	2.3	10	10	EPA 8270D	10/07/11 14:30	DFM	
Dibenzofuran [132-64-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/07/11 14:30	DFM	
Diethylphthalate [84-66-2] ^	2.1	U	ug/L	1	2.1	10	6000	EPA 8270D	10/07/11 14:30	DFM	
Dimethoate [60-51-5] ^	2.3	U	ug/L	1	2.3	10	20	EPA 8270D	10/07/11 14:30	DFM	
Dimethylphthalate [131-11-3] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/07/11 14:30	DFM	
Di-n-butylphthalate [84-74-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	10/07/11 14:30	DFM	
Di-n-octylphthalate [117-84-0] ^	3.1	U	ug/L	1	3.1	10	10	EPA 8270D	10/07/11 14:30	DFM	
Disulfoton [298-04-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/07/11 14:30	DFM	
Ethyl methanesulfonate [62-50-0] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	10/07/11 14:30	DFM	
Famphur [52-85-7] ^	2.7	U	ug/L	1	2.7	10	20	EPA 8270D	10/07/11 14:30	DFM	
Fluoranthene [206-44-0] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	10/07/11 14:30	DFM	
Fluorene [86-73-7] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	10/07/11 14:30	DFM	
Hexachlorobenzene [118-74-1] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/07/11 14:30	DFM	
Hexachlorobutadiene [87-68-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/07/11 14:30	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 14:30	DFM	
Hexachloroethane [67-72-1] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/07/11 14:30	DFM	
Hexachloropropene [1888-71-7] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	10/07/11 14:30	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	2.2	U	ug/L	1	2.2	10	10	EPA 8270D	10/07/11 14:30	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	10/07/11 14:30	DFM	
Isophorone [78-59-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 14:30	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 14:30	DFM	
Kepone [143-50-0] ^	7.2	U	ug/L	1	7.2	20	20	EPA 8270D	10/07/11 14:30	DFM	QV-01
Methapyrilene [91-80-5] ^	3.5	U	ug/L	1	3.5	10	100	EPA 8270D	10/07/11 14:30	DFM	
Methyl Methanesulfonate [66-27-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/07/11 14:30	DFM	
Methyl parathion [298-00-0] ^	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	10/07/11 14:30	DFM	
Nitrobenzene [98-95-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/07/11 14:30	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	10/07/11 14:30	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 14:30	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/07/11 14:30	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	10/07/11 14:30	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	10/07/11 14:30	DFM	
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	10/07/11 14:30	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270D	10/07/11 14:30	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 14:30	DFM	

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Description: 4501-MW13 | **Lab Sample ID:** C110553-03 | **Received:** 09/23/11 10:30

Matrix: Ground Water | **Sampled:** 09/21/11 09:50 | **Work Order:** C110553

Project: Henderson Co. LF C&D | **Sampled By:** Brent Freyer

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
O,O,O-Triethyl phosphorothioate [126-68-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 14:30	DFM	
o-Toluidine [95-53-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	10/07/11 14:30	DFM	
Parathion [56-38-2] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	10/07/11 14:30	DFM	
p-Dimethylaminoazobenzene [60-11-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/07/11 14:30	DFM	
Pentachlorobenzene [608-93-5] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	10/07/11 14:30	DFM	
Pentachloronitrobenzene [82-68-8] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	10/07/11 14:30	DFM	
Phenacetin [62-44-2] ^	2.7	U	ug/L	1	2.7	10	20	EPA 8270D	10/07/11 14:30	DFM	
Phenanthrene [85-01-8] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/07/11 14:30	DFM	
Phenol [108-95-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/07/11 14:30	DFM	
Phorate [298-02-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	10/07/11 14:30	DFM	
Pronamide [23950-58-5] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	10/07/11 14:30	DFM	
Pyrene [129-00-0] ^	2.1	U	ug/L	1	2.1	10	10	EPA 8270D	10/07/11 14:30	DFM	
Safrole [94-59-7] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	10/07/11 14:30	DFM	
Thionazin [297-97-2] ^	2.3	U	ug/L	1	2.3	10	20	EPA 8270D	10/07/11 14:30	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*88*	*1*	*100*	*88 %*	*10-179*	*1I27001*	*EPA 8270D*	*10/07/11 14:30*	*DFM*	
2-Fluorobiphenyl	*41*	*1*	*50.0*	*83 %*	*10-149*	*1I27001*	*EPA 8270D*	*10/07/11 14:30*	*DFM*	
2-Fluorophenol	*61*	*1*	*100*	*61 %*	*10-110*	*1I27001*	*EPA 8270D*	*10/07/11 14:30*	*DFM*	
Nitrobenzene-d5	*37*	*1*	*50.0*	*74 %*	*10-149*	*1I27001*	*EPA 8270D*	*10/07/11 14:30*	*DFM*	
Phenol-d5	*53*	*1*	*100*	*53 %*	*10-88*	*1I27001*	*EPA 8270D*	*10/07/11 14:30*	*DFM*	
Terphenyl-d14	*50*	*1*	*50.0*	*101 %*	*10-188*	*1I27001*	*EPA 8270D*	*10/07/11 14:30*	*DFM*	

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Description: 4501-MW13 | **Lab Sample ID:** C110553-03 | **Received:** 09/23/11 10:30

Matrix: Ground Water | **Sampled:** 09/21/11 09:50 | **Work Order:** C110553

Project: Henderson Co. LF C&D | **Sampled By:** Brent Freyer

Organochlorine Pesticides by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
4,4'-DDD [72-54-8] ^	0.044	U	ug/L	1	0.044	0.050	0.1	EPA 8081B	09/28/11 13:44	MSZ	
4,4'-DDE [72-55-9] ^	0.048	U	ug/L	1	0.048	0.050	0.1	EPA 8081B	09/28/11 13:44	MSZ	
4,4'-DDT [50-29-3] ^	0.049	U	ug/L	1	0.049	0.050	0.1	EPA 8081B	09/28/11 13:44	MSZ	
Aldrin [309-00-2] ^	0.038	U	ug/L	1	0.038	0.050	0.05	EPA 8081B	09/28/11 13:44	MSZ	
alpha-BHC [319-84-6] ^	0.027	U	ug/L	1	0.027	0.050	0.05	EPA 8081B	09/28/11 13:44	MSZ	
beta-BHC [319-85-7] ^	0.027	U	ug/L	1	0.027	0.050	0.05	EPA 8081B	09/28/11 13:44	MSZ	
Chlordane (tech) [12789-03-6] ^	0.20	U	ug/L	1	0.20	0.50	0.5	EPA 8081B	09/28/11 13:44	MSZ	
Chlordane-alpha [5103-71-9] ^	0.048	U	ug/L	1	0.048	0.050	NE	EPA 8081B	09/28/11 13:44	MSZ	
Chlordane-gamma [5566-34-7] ^	0.040	U	ug/L	1	0.040	0.050	NE	EPA 8081B	09/28/11 13:44	MSZ	
delta-BHC [319-86-8] ^	0.022	U	ug/L	1	0.022	0.050	0.05	EPA 8081B	09/28/11 13:44	MSZ	
Dieldrin [60-57-1] ^	0.0020	U	ug/L	1	0.0020	0.050	0.075	EPA 8081B	09/28/11 13:44	MSZ	
Endosulfan I [959-98-8] ^	0.041	U	ug/L	1	0.041	0.050	0.1	EPA 8081B	09/28/11 13:44	MSZ	
Endosulfan II [33213-65-9] ^	0.029	U	ug/L	1	0.029	0.050	0.1	EPA 8081B	09/28/11 13:44	MSZ	
Endosulfan sulfate [1031-07-8] ^	0.025	U	ug/L	1	0.025	0.050	0.1	EPA 8081B	09/28/11 13:44	MSZ	
Endrin [72-20-8] ^	0.029	U	ug/L	1	0.029	0.050	0.1	EPA 8081B	09/28/11 13:44	MSZ	
Endrin aldehyde [7421-93-4] ^	0.031	U	ug/L	1	0.031	0.050	0.1	EPA 8081B	09/28/11 13:44	MSZ	
gamma-BHC [58-89-9] ^	0.022	U	ug/L	1	0.022	0.050	0.05	EPA 8081B	09/28/11 13:44	MSZ	
Heptachlor [76-44-8] ^	0.038	U	ug/L	1	0.038	0.050	0.05	EPA 8081B	09/28/11 13:44	MSZ	
Heptachlor epoxide [1024-57-3] ^	0.027	U	ug/L	1	0.027	0.050	0.075	EPA 8081B	09/28/11 13:44	MSZ	
Methoxychlor [72-43-5] ^	0.025	U	ug/L	1	0.025	0.050	1	EPA 8081B	09/28/11 13:44	MSZ	
Toxaphene [8001-35-2] ^	0.22	U	ug/L	1	0.22	0.50	1.5	EPA 8081B	09/28/11 13:44	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*1.0*	*1*	*1.00*	*105 %*	*44-134*	*1I26001*	*EPA 8081B*	*09/28/11 13:44*	*MSZ*	
Decachlorobiphenyl	*0.95*	*1*	*1.00*	*95 %*	*37-149*	*1I26001*	*EPA 8081B*	*09/28/11 13:44*	*MSZ*	

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Description: 4501-MW13
Matrix: Ground Water
Project: Henderson Co. LF C&D

Lab Sample ID: C110553-03
Sampled: 09/21/11 09:50
Sampled By: Brent Freyer

Received: 09/23/11 10:30
Work Order: C110553

Polychlorinated Biphenyls by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
PCB-1016/1242 [12674-11-2/53469-21-9] ^	0.19	U	ug/L	1	0.19	0.50	2	EPA 8082A	09/28/11 13:44	MSZ	
PCB-1221 [11104-28-2] ^	0.046	U	ug/L	1	0.046	0.50	NE	EPA 8082A	09/28/11 13:44	MSZ	
PCB-1232 [11141-16-5] ^	0.028	U	ug/L	1	0.028	0.50	NE	EPA 8082A	09/28/11 13:44	MSZ	
PCB-1248 [12672-29-6] ^	0.014	U	ug/L	1	0.014	0.50	NE	EPA 8082A	09/28/11 13:44	MSZ	
PCB-1254 [11097-69-1] ^	0.015	U	ug/L	1	0.015	0.50	NE	EPA 8082A	09/28/11 13:44	MSZ	
PCB-1260 [11096-82-5] ^	0.13	U	ug/L	1	0.13	0.50	NE	EPA 8082A	09/28/11 13:44	MSZ	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*1.0*	*1*	*1.00*	*105 %*	*45-151*	*1I26002*	*EPA 8082A*	*09/28/11 13:44*	*MSZ*	
Decachlorobiphenyl	*0.95*	*1*	*1.00*	*95 %*	*42-159*	*1I26002*	*EPA 8082A*	*09/28/11 13:44*	*MSZ*	

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Description: 4501-MW13 | **Lab Sample ID:** C110553-03 | **Received:** 09/23/11 10:30

Matrix: Ground Water | **Sampled:** 09/21/11 09:50 | **Work Order:** C110553

Project: Henderson Co. LF C&D | **Sampled By:** Brent Freyer

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	09/28/11 15:58	NLH	

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Description: 4501-MW13 | **Lab Sample ID:** C110553-03 | **Received:** 09/23/11 10:30

Matrix: Ground Water | **Sampled:** 09/21/11 09:50 | **Work Order:** C110553

Project: Henderson Co. LF C&D | **Sampled By:** Brent Freyer

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

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	**0.609**	J	ug/L	1	0.220	2.00	6	EPA 6020A	09/27/11 11:19	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	09/27/11 10:05	JDH	
Barium [7440-39-3] ^	**12.2**	J	ug/L	1	1.00	10.0	100	EPA 6010C	09/27/11 10:05	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	09/27/11 10:05	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	09/27/11 10:05	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	09/27/11 10:05	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	09/27/11 10:05	JDH	
Copper [7440-50-8] ^	**1.80**	J	ug/L	1	1.60	10.0	10	EPA 6010C	09/27/11 10:05	JDH	
Iron [7439-89-6] ^	**457**		ug/L	1	22.0	50.0	300	EPA 6010C	09/27/11 10:05	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/27/11 10:05	JDH	
Manganese [7439-96-5] ^	**66.2**		ug/L	1	1.10	10.0	50	EPA 6010C	09/27/11 10:05	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	09/27/11 10:05	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	09/27/11 11:19	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/27/11 10:05	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	09/27/11 11:19	VLO	
Tin [7440-31-5] ^	**3.17**	J	ug/L	1	2.10	10.0	100	EPA 6010C	09/27/11 10:05	JDH	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	09/27/11 10:05	JDH	
Zinc [7440-66-6] ^	**12.5**		ug/L	1	3.80	10.0	10	EPA 6010C	09/27/11 10:05	JDH	

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Description: 4501-MW13 | **Lab Sample ID:** C110553-03 | **Received:** 09/23/11 10:30

Matrix: Ground Water | **Sampled:** 09/21/11 09:50 | **Work Order:** C110553

Project: Henderson Co. LF C&D | **Sampled By:** Brent Freyer

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Chloride [16887-00-6] ^	**4400**	JB	ug/L	1	47	5000	NE	EPA 300.0	09/28/11 01:49	CCB	J-01
Cyanide (total) [57-12-5] ^	3.9	U	ug/L	1	3.9	10	10	EPA 9014	09/28/11 18:22	AJB	
Sulfate as SO4 [14808-79-8] ^	**4200**	JB	ug/L	1	20	5000	250000	EPA 300.0	09/28/11 01:49	CCB	J-01
Sulfide [18496-25-8] ^	10	U	ug/L	1	10	100	1000	SM18 4500-S D	09/26/11 11:57	JOC	
Total Alkalinity as CaCO3 [471-34-1] ^	**90000**		ug/L	1	12000	15000	NE	EPA 310.2	09/27/11 14:09	CCB	
Total Dissolved Solids [ECL-0156] ^	**140000**		ug/L	1	10000	10000	NE	SM 2540C	09/26/11 11:25	KER	

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Description: 4501-MW13 | **Lab Sample ID:** C110553-03 | **Received:** 09/23/11 10:30

Matrix: Ground Water | **Sampled:** 09/21/11 09:50 | **Work Order:** C110553

Project: Henderson Co. LF C&D | **Sampled By:** Brent Freyer

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
2,4,5-T [93-76-5] ^	0.14	U	ug/L	1	0.14	0.50	2	EPA 8151A	09/30/11 21:50	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.15	U	ug/L	1	0.15	0.50	2	EPA 8151A	09/30/11 21:50	RGG	
2,4-D [94-75-7] ^	**1.3**	J	ug/L	1	0.15	0.50	2	EPA 8151A	09/30/11 21:50	RGG	
Dinoseb [88-85-7] ^	0.32	U	ug/L	1	0.32	0.50		EPA 8151A	09/30/11 21:50	RGG	
Pentachlorophenol [87-86-5] ^	0.13	U	ug/L	1	0.13	0.50	25	EPA 8151A	09/30/11 21:50	RGG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*2.3*	*1*	*2.00*	*114 %*	*68-139*	*1127018*	*EPA 8151A*	*09/30/11 21:50*	*RGG*	

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

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1I29027 - EPA 5030B_MS

Blank (1I29027-BLK1) Prepared: 09/29/2011 11:37 Analyzed: 09/29/2011 16:18

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.90	U	1.0	ug/L							
1,1,1-Trichloroethane	0.65	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.75	U	1.0	ug/L							
1,1,2-Trichloroethane	0.66	U	1.0	ug/L							
1,1-Dichloroethane	0.080	U	1.0	ug/L							
1,1-Dichloroethene	0.60	U	1.0	ug/L							
1,1-Dichloropropene	0.66	U	1.0	ug/L							
1,2,3-Trichloropropane	0.72	U	1.0	ug/L							
1,2,4-Trichlorobenzene	0.58	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.66	U	1.0	ug/L							
1,2-Dichlorobenzene	0.11	U	1.0	ug/L							
1,2-Dichloroethane	0.47	U	1.0	ug/L							
1,2-Dichloropropane	0.59	U	1.0	ug/L							
1,3-Dichlorobenzene	0.79	U	1.0	ug/L							
1,3-Dichloropropane	0.67	U	1.0	ug/L							
1,4-Dichlorobenzene	0.79	U	1.0	ug/L							
2,2-Dichloropropane	0.56	U	1.0	ug/L							
2-Butanone	1.3	U	5.0	ug/L							
2-Hexanone	0.88	U	5.0	ug/L							
3-Chloropropene	0.11	U	1.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.2	U	5.0	ug/L							
Acetonitrile	5.0	U	10	ug/L							
Acrolein	4.0	U	10	ug/L							
Acrylonitrile	3.5	U	10	ug/L							
Benzene	0.68	U	1.0	ug/L							
Bromochloromethane	0.87	U	1.0	ug/L							
Bromodichloromethane	0.75	U	1.0	ug/L							
Bromoform	0.68	U	1.0	ug/L							
Bromomethane	0.58	U	1.0	ug/L							
Carbon disulfide	1.5	U	5.0	ug/L							
Carbon tetrachloride	0.69	U	1.0	ug/L							
Chlorobenzene	0.74	U	1.0	ug/L							
Chloroethane	0.75	U	1.0	ug/L							
Chloroform	0.70	U	1.0	ug/L							
Chloromethane	0.55	U	1.0	ug/L							
Chloroprene	0.64	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.72	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.075	U	1.0	ug/L							
Dibromochloromethane	0.63	U	1.0	ug/L							
Dibromomethane	0.90	U	1.0	ug/L							
Dichlorodifluoromethane	0.56	U	1.0	ug/L							
Ethyl Methacrylate	0.38	U	1.0	ug/L							
Ethylbenzene	0.62	U	1.0	ug/L							
Iodomethane	1.7	U	5.0	ug/L							
Isobutyl alcohol	11	U	50	ug/L							
Methacrylonitrile	4.9	U	10	ug/L							
Methyl Methacrylate	0.51	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1I29027 - EPA 5030B_MS

Blank (1I29027-BLK1) Continued Prepared: 09/29/2011 11:37 Analyzed: 09/29/2011 16:18

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Methylene chloride	0.14	U	1.0	ug/L							
Naphthalene	0.46	U	1.0	ug/L							
Propionitrile	5.0	U	10	ug/L							
Styrene	0.053	U	1.0	ug/L							
Tetrachloroethene	0.73	U	1.0	ug/L							
Tetrahydrofuran	0.80	U	1.0	ug/L							
Toluene	0.85	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.12	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.50	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.70	U	1.0	ug/L							
Trichloroethene	0.72	U	1.0	ug/L							
Trichlorofluoromethane	0.66	U	1.0	ug/L							
Vinyl acetate	0.95	U	5.0	ug/L							
Vinyl chloride	0.60	U	1.0	ug/L							
Xylenes (Total)	2.1	U	3.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*51*			*ug/L*	*50.0*		*102*	*51-122*			
Surrogate: Dibromofluoromethane	*52*			*ug/L*	*50.0*		*105*	*68-117*			
Surrogate: Toluene-d8	*53*			*ug/L*	*50.0*		*106*	*69-110*			

LCS (1I29027-BS1) Prepared: 09/29/2011 11:37 Analyzed: 09/29/2011 16:47

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0		102	75-133			
Benzene	22		1.0	ug/L	20.0		108	81-134			
Chlorobenzene	19		1.0	ug/L	20.0		93	83-117			
Toluene	18		1.0	ug/L	20.0		91	71-118			
Trichloroethene	19		1.0	ug/L	20.0		94	75-115			

Matrix Spike (1I29027-MS1) Prepared: 09/29/2011 11:37 Analyzed: 09/29/2011 17:17

Source: C110553-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0	0.60 U	108	75-133			
Benzene	23		1.0	ug/L	20.0	-1.0	120	81-134			
Chlorobenzene	20		1.0	ug/L	20.0	0.74 U	99	83-117			
Toluene	19		1.0	ug/L	20.0	0.85 U	94	71-118			
Trichloroethene	20		1.0	ug/L	20.0	0.82	95	75-115			

Matrix Spike Dup (1I29027-MSD1) Prepared: 09/29/2011 11:37 Analyzed: 09/29/2011 17:47

Source: C110553-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	21		1.0	ug/L	20.0	0.60 U	103	75-133	5	20	
Benzene	23		1.0	ug/L	20.0	-1.0	119	81-134	0.5	17	
Chlorobenzene	19		1.0	ug/L	20.0	0.74 U	94	83-117	5	16	
Toluene	19		1.0	ug/L	20.0	0.85 U	93	71-118	2	17	
Trichloroethene	20		1.0	ug/L	20.0	0.82	95	75-115	0.3	18	

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 1I29027 - EPA 5030B_MS

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 1I27001 - EPA 3510C_MS

Blank (1I27001-BLK1) Prepared: 09/27/2011 03:42 Analyzed: 10/04/2011 15:47

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4,5-Tetrachlorobenzene	2.0	U	10	ug/L							
1,3,5-Trinitrobenzene	3.0	U	10	ug/L							
1,3-Dinitrobenzene	1.9	U	10	ug/L							
1,4-Naphthoquinone	2.5	U	10	ug/L							
1,4-Phenylenediamine	4.0	U	10	ug/L							
1-Naphthylamine	1.9	U	10	ug/L							
2,3,4,6-Tetrachlorophenol	2.0	U	10	ug/L							
2,4,5-Trichlorophenol	1.0	U	10	ug/L							
2,4,6-Trichlorophenol	1.1	U	10	ug/L							
2,4-Dichlorophenol	1.4	U	10	ug/L							
2,4-Dimethylphenol	1.3	U	10	ug/L							
2,4-Dinitrophenol	2.6	U	10	ug/L							
2,4-Dinitrotoluene	2.4	U	10	ug/L							
2,6-Dichlorophenol	1.1	U	10	ug/L							
2,6-Dinitrotoluene	1.5	U	10	ug/L							
2-Acetylaminofluorene	2.5	U	10	ug/L							
2-Chloronaphthalene	1.0	U	10	ug/L							
2-Chlorophenol	1.2	U	10	ug/L							
2-Methyl-4,6-dinitrophenol	2.9	U	10	ug/L							
2-Methylnaphthalene	1.5	U	10	ug/L							
2-Methylphenol	1.4	U	10	ug/L							
2-Naphthylamine	3.0	U	10	ug/L							
2-Nitroaniline	1.5	U	10	ug/L							
2-Nitrophenol	1.1	U	10	ug/L							
3 & 4-Methylphenol	1.6	U	10	ug/L							
3,3'-Dichlorobenzidine	3.3	U	10	ug/L							
3,3'-Dimethylbenzidine	2.2	U	10	ug/L							
3-Methylcholanthrene	1.3	U	10	ug/L							
3-Nitroaniline	2.1	U	10	ug/L							
4-Aminobiphenyl	2.1	U	10	ug/L							
4-Bromophenyl-phenylether	1.0	U	10	ug/L							
4-Chloro-3-methylphenol	1.5	U	10	ug/L							
4-Chloroaniline	1.2	U	10	ug/L							QV-01
4-Chlorophenyl-phenylether	1.6	U	10	ug/L							
4-Nitroaniline	3.2	U	10	ug/L							
4-Nitrophenol	2.0	U	10	ug/L							
5-Nitro-o-toluidine	3.2	U	10	ug/L							
7,12-Dimethylbenz(a)anthracene	1.1	U	10	ug/L							
Acenaphthene	1.4	U	10	ug/L							
Acenaphthylene	1.2	U	10	ug/L							
Acetophenone	1.3	U	10	ug/L							
Anthracene	1.6	U	10	ug/L							
Benzo(a)anthracene	1.3	U	10	ug/L							
Benzo(a)pyrene	1.3	U	10	ug/L							
Benzo(b)fluoranthene	1.0	U	10	ug/L							

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 1I27001 - EPA 3510C_MS

Blank (1I27001-BLK1) Continued Prepared: 09/27/2011 03:42 Analyzed: 10/04/2011 15:47

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Benzo(g,h,i)perylene	2.4	U	10	ug/L							
Benzo(k)fluoranthene	1.3	U	10	ug/L							
Benzyl alcohol	1.4	U	10	ug/L							
Bis(2-chloroethoxy)methane	1.4	U	10	ug/L							
Bis(2-chloroethyl)ether	1.2	U	10	ug/L							
Bis(2-chloroisopropyl)ether	1.3	U	10	ug/L							
Bis(2-ethylhexyl)phthalate	1.7	U	5.0	ug/L							
Butylbenzylphthalate	2.0	U	10	ug/L							
Chlorobenzilate	1.0	U	10	ug/L							
Chrysene	2.0	U	10	ug/L							
Diallate	1.0	U	10	ug/L							
Dibenzo(a,h)anthracene	2.3	U	10	ug/L							
Dibenzofuran	1.4	U	10	ug/L							
Diethylphthalate	2.1	U	10	ug/L							
Dimethoate	2.3	U	10	ug/L							
Dimethylphthalate	1.4	U	10	ug/L							
Di-n-butylphthalate	1.5	U	10	ug/L							
Di-n-octylphthalate	3.1	U	10	ug/L							
Disulfoton	1.1	U	10	ug/L							
Ethyl methanesulfonate	1.2	U	10	ug/L							
Famphur	2.7	U	10	ug/L							
Fluoranthene	2.1	U	10	ug/L							
Fluorene	1.7	U	10	ug/L							
Hexachlorobenzene	1.0	U	10	ug/L							
Hexachlorobutadiene	1.2	U	10	ug/L							
Hexachlorocyclopentadiene	1.3	U	10	ug/L							
Hexachloroethane	1.1	U	10	ug/L							
Hexachloropropene	1.7	U	10	ug/L							
Indeno(1,2,3-cd)pyrene	2.2	U	10	ug/L							
Isodrin	1.0	U	10	ug/L							
Isophorone	1.3	U	10	ug/L							
Isosafrole	1.3	U	10	ug/L							
Kepone	7.2	U	20	ug/L							
Methapyrilene	3.5	U	10	ug/L							
Methyl Methanesulfonate	1.0	U	10	ug/L							
Methyl parathion	2.5	U	10	ug/L							
Nitrobenzene	1.2	U	10	ug/L							
N-Nitrosodiethylamine	1.3	U	10	ug/L							
N-Nitrosodimethylamine	1.3	U	10	ug/L							
N-Nitrosodi-n-butylamine	1.2	U	10	ug/L							
N-Nitroso-di-n-propylamine	1.5	U	10	ug/L							
N-nitrosodiphenylamine/Diphenylamine	2.1	U	10	ug/L							
N-Nitrosomethylethylamine	1.9	U	10	ug/L							
N-Nitrosopiperidine	1.1	U	10	ug/L							
N-Nitrosopyrrolidine	1.3	U	10	ug/L							
O,O,O-Triethyl phosphorothioate	1.3	U	10	ug/L							
o-Toluidine	1.1	U	10	ug/L							
Parathion	1.7	U	10	ug/L							
p-Dimethylaminoazobenzene	1.4	U	10	ug/L							

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 1I27001 - EPA 3510C_MS

Blank (1I27001-BLK1) Continued Prepared: 09/27/2011 03:42 Analyzed: 10/04/2011 15:47

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Pentachlorobenzene	1.3	U	10	ug/L							
Pentachloronitrobenzene	1.0	U	10	ug/L							
Phenacetin	2.7	U	10	ug/L							
Phenanthrene	1.4	U	10	ug/L							
Phenol	1.4	U	10	ug/L							
Phorate	1.0	U	10	ug/L							
Pronamide	1.4	U	10	ug/L							
Pyrene	2.1	U	10	ug/L							
Safrole	1.2	U	10	ug/L							
Thionazin	2.3	U	10	ug/L							
Surrogate: 2,4,6-Tribromophenol	*85*			*ug/L*	*100*		*85*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*40*			*ug/L*	*50.0*		*81*	*10-149*			
Surrogate: 2-Fluorophenol	*63*			*ug/L*	*100*		*63*	*10-110*			
Surrogate: Nitrobenzene-d5	*38*			*ug/L*	*50.0*		*76*	*10-149*			
Surrogate: Phenol-d5	*55*			*ug/L*	*100*		*55*	*10-88*			
Surrogate: Terphenyl-d14	*52*			*ug/L*	*50.0*		*103*	*10-188*			

LCS (1I27001-BS1) Prepared: 09/27/2011 03:42 Analyzed: 10/04/2011 16:29

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Chlorophenol	41		10	ug/L	50.0		82	40-109			
4-Chloro-3-methylphenol	48		10	ug/L	50.0		96	58-121			
4-Nitrophenol	38		10	ug/L	50.0		76	33-105			
Acenaphthene	42		10	ug/L	50.0		83	39-125			
N-Nitroso-di-n-propylamine	46		10	ug/L	50.0		92	48-126			
Phenol	31		10	ug/L	50.0		63	19-78			
Pyrene	50		10	ug/L	50.0		100	44-137			
Surrogate: 2,4,6-Tribromophenol	*88*			*ug/L*	*100*		*88*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*42*			*ug/L*	*50.0*		*83*	*10-149*			
Surrogate: 2-Fluorophenol	*66*			*ug/L*	*100*		*66*	*10-110*			
Surrogate: Nitrobenzene-d5	*41*			*ug/L*	*50.0*		*81*	*10-149*			
Surrogate: Phenol-d5	*58*			*ug/L*	*100*		*58*	*10-88*			
Surrogate: Terphenyl-d14	*49*			*ug/L*	*50.0*		*98*	*10-188*			

Matrix Spike (1I27001-MS1) Prepared: 09/27/2011 03:42 Analyzed: 10/04/2011 16:57

Source: C110553-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Chlorophenol	32		10	ug/L	50.0	1.2 U	64	40-109			
4-Chloro-3-methylphenol	46		10	ug/L	50.0	1.5 U	92	58-121			
4-Nitrophenol	31		10	ug/L	50.0	2.0 U	62	33-105			
Acenaphthene	40		10	ug/L	50.0	1.4 U	79	39-125			
N-Nitroso-di-n-propylamine	37		10	ug/L	50.0	1.5 U	74	48-126			
Phenol	25		10	ug/L	50.0	1.4 U	51	19-78			
Pyrene	45		10	ug/L	50.0	2.1 U	91	44-137			
Surrogate: 2,4,6-Tribromophenol	*84*			*ug/L*	*100*		*84*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*36*			*ug/L*	*50.0*		*73*	*10-149*			

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 1I27001 - EPA 3510C_MS

Matrix Spike (1I27001-MS1) Continued Prepared: 09/27/2011 03:42 Analyzed: 10/04/2011 16:57

Source: C110553-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: 2-Fluorophenol	*49*			*ug/L*	*100*		*49*	*10-110*			
Surrogate: Nitrobenzene-d5	*31*			*ug/L*	*50.0*		*62*	*10-149*			
Surrogate: Phenol-d5	*47*			*ug/L*	*100*		*47*	*10-88*			
Surrogate: Terphenyl-d14	*44*			*ug/L*	*50.0*		*88*	*10-188*			

Matrix Spike Dup (1I27001-MSD1) Prepared: 09/27/2011 03:42 Analyzed: 10/04/2011 17:25

Source: C110553-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Chlorophenol	32		10	ug/L	50.0	1.2 U	64	40-109	0.3	22	
4-Chloro-3-methylphenol	47		10	ug/L	50.0	1.5 U	95	58-121	3	22	
4-Nitrophenol	34		10	ug/L	50.0	2.0 U	68	33-105	10	27	
Acenaphthene	40		10	ug/L	50.0	1.4 U	80	39-125	0.9	25	
N-Nitroso-di-n-propylamine	37		10	ug/L	50.0	1.5 U	74	48-126	0.8	23	
Phenol	26		10	ug/L	50.0	1.4 U	51	19-78	0.9	18	
Pyrene	49		10	ug/L	50.0	2.1 U	98	44-137	7	24	
Surrogate: 2,4,6-Tribromophenol	*91*			*ug/L*	*100*		*91*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*37*			*ug/L*	*50.0*		*73*	*10-149*			
Surrogate: 2-Fluorophenol	*51*			*ug/L*	*100*		*51*	*10-110*			
Surrogate: Nitrobenzene-d5	*31*			*ug/L*	*50.0*		*63*	*10-149*			
Surrogate: Phenol-d5	*48*			*ug/L*	*100*		*48*	*10-88*			
Surrogate: Terphenyl-d14	*49*			*ug/L*	*50.0*		*98*	*10-188*			

Organochlorine Pesticides by GC - Quality Control

Batch 1I26001 - EPA 3510C

Blank (1I26001-BLK1) Prepared: 09/26/2011 06:10 Analyzed: 09/28/2011 11:31

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDD	0.044	U	0.050	ug/L							
4,4'-DDE	0.048	U	0.050	ug/L							
4,4'-DDT	0.049	U	0.050	ug/L							
Aldrin	0.038	U	0.050	ug/L							
alpha-BHC	0.027	U	0.050	ug/L							
beta-BHC	0.027	U	0.050	ug/L							
Chlordane (tech)	0.20	U	0.50	ug/L							
Chlordane-alpha	0.048	U	0.050	ug/L							
Chlordane-gamma	0.040	U	0.050	ug/L							
delta-BHC	0.022	U	0.050	ug/L							
Dieldrin	0.0020	U	0.050	ug/L							
Endosulfan I	0.041	U	0.050	ug/L							
Endosulfan II	0.029	U	0.050	ug/L							
Endosulfan sulfate	0.025	U	0.050	ug/L							
Endrin	0.029	U	0.050	ug/L							
Endrin aldehyde	0.031	U	0.050	ug/L							
gamma-BHC	0.022	U	0.050	ug/L							

QUALITY CONTROL

Organochlorine Pesticides by GC - Quality Control

Batch 1I26001 - EPA 3510C

Blank (1I26001-BLK1) Continued Prepared: 09/26/2011 06:10 Analyzed: 09/28/2011 11:31

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Heptachlor	0.038	U	0.050	ug/L							
Heptachlor epoxide	0.027	U	0.050	ug/L							
Methoxychlor	0.025	U	0.050	ug/L							
Toxaphene	0.22	U	0.50	ug/L							
Surrogate: 2,4,5,6-TCMX	*1.0*			*ug/L*	*1.00*		*103*	*44-134*			
Surrogate: Decachlorobiphenyl	*1.1*			*ug/L*	*1.00*		*108*	*37-149*			

LCS (1I26001-BS1) Prepared: 09/26/2011 06:10 Analyzed: 09/28/2011 11:45

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDT	1.1		0.050	ug/L	1.00		106	37-139			
Dieldrin	1.1		0.050	ug/L	1.00		113	46-132			
Endrin	1.1		0.050	ug/L	1.00		106	43-133			
Surrogate: 2,4,5,6-TCMX	*0.99*			*ug/L*	*1.00*		*99*	*44-134*			
Surrogate: Decachlorobiphenyl	*1.1*			*ug/L*	*1.00*		*108*	*37-149*			

Matrix Spike (1I26001-MS1) Prepared: 09/26/2011 06:10 Analyzed: 09/28/2011 11:58

Source: C110553-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDT	0.84		0.050	ug/L	1.00	0.049 U	84	37-139			
Dieldrin	0.67		0.050	ug/L	1.00	0.0020 U	67	46-132			
Endrin	0.66		0.050	ug/L	1.00	0.029 U	66	43-133			
Surrogate: 2,4,5,6-TCMX	*0.68*			*ug/L*	*1.00*		*68*	*44-134*			
Surrogate: Decachlorobiphenyl	*1.1*			*ug/L*	*1.00*		*110*	*37-149*			

Matrix Spike Dup (1I26001-MSD1) Prepared: 09/26/2011 06:10 Analyzed: 09/28/2011 12:11

Source: C110553-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDT	1.1		0.050	ug/L	1.00	0.049 U	108	37-139	25	26	
Dieldrin	0.99		0.050	ug/L	1.00	0.0020 U	99	46-132	38	27	QR-02
Endrin	0.95		0.050	ug/L	1.00	0.029 U	95	43-133	37	26	QR-02
Surrogate: 2,4,5,6-TCMX	*1.2*			*ug/L*	*1.00*		*117*	*44-134*			
Surrogate: Decachlorobiphenyl	*0.90*			*ug/L*	*1.00*		*90*	*37-149*			

Polychlorinated Biphenyls by GC - Quality Control

Batch 1I26002 - EPA 3510C

Blank (1I26002-BLK1) Prepared: 09/26/2011 06:12 Analyzed: 09/28/2011 11:31

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	0.19	U	0.50	ug/L							
PCB-1221	0.046	U	0.50	ug/L							
PCB-1232	0.028	U	0.50	ug/L							
PCB-1248	0.014	U	0.50	ug/L							

QUALITY CONTROL

Polychlorinated Biphenyls by GC - Quality Control

Batch 1I26002 - EPA 3510C

Blank (1I26002-BLK1) Continued Prepared: 09/26/2011 06:12 Analyzed: 09/28/2011 11:31

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1254	0.015	U	0.50	ug/L							
PCB-1260	0.13	U	0.50	ug/L							
Surrogate: 2,4,5,6-TCMX	*1.0*			*ug/L*	*1.00*		*103*	*45-151*			
Surrogate: Decachlorobiphenyl	*1.1*			*ug/L*	*1.00*		*108*	*42-159*			

LCS (1I26002-BS1) Prepared: 09/26/2011 06:12 Analyzed: 09/28/2011 12:24

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	8.4		0.50	ug/L	10.0		84	66-149			
PCB-1260	10		0.50	ug/L	10.0		103	64-150			
Surrogate: 2,4,5,6-TCMX	*0.86*			*ug/L*	*1.00*		*86*	*45-151*			
Surrogate: Decachlorobiphenyl	*0.99*			*ug/L*	*1.00*		*99*	*42-159*			

Matrix Spike (1I26002-MS1) Prepared: 09/26/2011 06:12 Analyzed: 09/28/2011 12:38

Source: C110553-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	11		0.50	ug/L	10.0	0.19 U	107	66-149			
PCB-1260	12		0.50	ug/L	10.0	0.13 U	115	64-150			
Surrogate: 2,4,5,6-TCMX	*0.98*			*ug/L*	*1.00*		*98*	*45-151*			
Surrogate: Decachlorobiphenyl	*0.91*			*ug/L*	*1.00*		*91*	*42-159*			

Matrix Spike Dup (1I26002-MSD1) Prepared: 09/26/2011 06:12 Analyzed: 09/28/2011 12:51

Source: C110553-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	11		0.50	ug/L	10.0	0.19 U	105	66-149	2	21	
PCB-1260	11		0.50	ug/L	10.0	0.13 U	109	64-150	5	18	
Surrogate: 2,4,5,6-TCMX	*0.93*			*ug/L*	*1.00*		*93*	*45-151*			
Surrogate: Decachlorobiphenyl	*0.85*			*ug/L*	*1.00*		*85*	*42-159*			

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 1I28019 - EPA 245.1

Blank (1I28019-BLK1) Prepared: 09/28/2011 09:40 Analyzed: 09/28/2011 15:37

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.170	U	0.200	ug/L							

LCS (1I28019-BS1) Prepared: 09/28/2011 09:40 Analyzed: 09/28/2011 15:40

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.64		0.200	ug/L	5.00		93	85-115			

Matrix Spike (1I28019-MS1) Prepared: 09/28/2011 09:40 Analyzed: 09/28/2011 15:46

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 1I28019 - EPA 245.1

Matrix Spike (1I28019-MS1) Continued Prepared: 09/28/2011 09:40 Analyzed: 09/28/2011 15:46

Source: C110553-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.43		0.200	ug/L	5.00	0.170 U	89	85-115			

Matrix Spike Dup (1I28019-MSD1) Prepared: 09/28/2011 09:40 Analyzed: 09/28/2011 15:49

Source: C110553-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.49		0.200	ug/L	5.00	0.170 U	90	85-115	1	15	

Post Spike (1I28019-PS1) Prepared: 09/28/2011 09:40 Analyzed: 09/28/2011 15:52

Source: C110553-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.81		0.200	ug/L	7.50	0.119	76	75-125			

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

Batch 1I26020 - EPA 3005A

Blank (1I26020-BLK1) Prepared: 09/26/2011 09:31 Analyzed: 09/27/2011 09:33

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	2.80	U	10.0	ug/L							
Barium	1.00	U	10.0	ug/L							
Beryllium	0.100	U	1.00	ug/L							
Cadmium	0.360	U	1.00	ug/L							
Chromium	1.00	U	10.0	ug/L							
Cobalt	1.10	U	10.0	ug/L							
Copper	1.60	U	10.0	ug/L							
Iron	22.0	U	50.0	ug/L							
Lead	1.90	U	10.0	ug/L							
Manganese	1.10	U	10.0	ug/L							
Nickel	1.80	U	10.0	ug/L							
Silver	1.90	U	10.0	ug/L							
Tin	2.10	U	10.0	ug/L							
Vanadium	1.40	U	10.0	ug/L							
Zinc	3.80	U	10.0	ug/L							

LCS (1I26020-BS1) Prepared: 09/26/2011 09:31 Analyzed: 09/27/2011 09:35

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	205		10.0	ug/L	200		103	80-120			
Barium	204		10.0	ug/L	200		102	80-120			
Beryllium	20.1		1.00	ug/L	20.0		101	80-120			
Cadmium	20.7		1.00	ug/L	20.0		104	80-120			
Chromium	202		10.0	ug/L	200		101	80-120			
Cobalt	209		10.0	ug/L	200		105	80-120			
Copper	199		10.0	ug/L	200		99	80-120			

QUALITY CONTROL

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

Batch 1I26020 - EPA 3005A

LCS (1I26020-BS1) Continued Prepared: 09/26/2011 09:31 Analyzed: 09/27/2011 09:35

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Iron	1030		50.0	ug/L	1000		103	80-120			
Lead	205		10.0	ug/L	200		103	80-120			
Manganese	204		10.0	ug/L	200		102	80-120			
Nickel	204		10.0	ug/L	200		102	80-120			
Silver	207		10.0	ug/L	200		104	80-120			
Tin	202		10.0	ug/L	200		101	80-120			
Vanadium	203		10.0	ug/L	200		102	80-120			
Zinc	202		10.0	ug/L	200		101	80-120			

Matrix Spike (1I26020-MS1) Prepared: 09/26/2011 09:31 Analyzed: 09/27/2011 09:41

Source: C110553-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	199		10.0	ug/L	200	2.80 U	100	75-125			
Barium	235		10.0	ug/L	200	13.7	111	75-125			
Beryllium	20.7		1.00	ug/L	20.0	0.100 U	103	75-125			
Cadmium	21.5		1.00	ug/L	20.0	0.402	106	75-125			
Chromium	203		10.0	ug/L	200	1.00 U	101	75-125			
Cobalt	209		10.0	ug/L	200	1.10 U	104	75-125			
Copper	202		10.0	ug/L	200	1.60 U	101	75-125			
Iron	3960		50.0	ug/L	1000	269	369	75-125			QM-07
Lead	203		10.0	ug/L	200	1.90 U	101	75-125			
Manganese	361		10.0	ug/L	200	239	61	75-125			QM-07
Nickel	210		10.0	ug/L	200	1.80 U	105	75-125			
Silver	207		10.0	ug/L	200	1.90 U	104	75-125			
Tin	208		10.0	ug/L	200	4.60	102	75-125			
Vanadium	211		10.0	ug/L	200	2.32	104	75-125			
Zinc	231		10.0	ug/L	200	12.0	109	75-125			

Matrix Spike (1I26020-MS2) Prepared: 09/26/2011 09:31 Analyzed: 09/27/2011 09:44

Source: C109732-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	203		10.0	ug/L	200	2.80 U	101	75-125			
Barium	235		10.0	ug/L	200	27.1	104	75-125			
Beryllium	20.3		1.00	ug/L	20.0	0.100 U	101	75-125			
Cadmium	21.0		1.00	ug/L	20.0	0.360 U	105	75-125			
Chromium	201		10.0	ug/L	200	2.11	100	75-125			
Cobalt	212		10.0	ug/L	200	5.56	103	75-125			
Copper	205		10.0	ug/L	200	1.83	102	75-125			
Iron	1240		50.0	ug/L	1000	382	86	75-125			
Lead	203		10.0	ug/L	200	1.93	101	75-125			
Manganese	229		10.0	ug/L	200	30.3	99	75-125			
Nickel	208		10.0	ug/L	200	2.14	103	75-125			
Silver	208		10.0	ug/L	200	1.90 U	104	75-125			
Tin	210		10.0	ug/L	200	7.03	102	75-125			
Vanadium	206		10.0	ug/L	200	1.40 U	103	75-125			
Zinc	209		10.0	ug/L	200	4.14	102	75-125			

QUALITY CONTROL

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

Batch 1I26020 - EPA 3005A

Matrix Spike Dup (1I26020-MSD1) Prepared: 09/26/2011 09:31 Analyzed: 09/27/2011 09:43

Source: C110553-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	202		10.0	ug/L	200	2.80 U	101	75-125	1	20	
Barium	223		10.0	ug/L	200	13.7	105	75-125	5	20	
Beryllium	20.3		1.00	ug/L	20.0	0.100 U	102	75-125	2	20	
Cadmium	20.4		1.00	ug/L	20.0	0.402	100	75-125	5	20	
Chromium	199		10.0	ug/L	200	1.00 U	100	75-125	2	20	
Cobalt	207		10.0	ug/L	200	1.10 U	104	75-125	0.6	20	
Copper	199		10.0	ug/L	200	1.60 U	99	75-125	2	20	
Iron	3710		50.0	ug/L	1000	269	344	75-125	7	20	QM-07
Lead	201		10.0	ug/L	200	1.90 U	100	75-125	0.9	20	
Manganese	356		10.0	ug/L	200	239	59	75-125	1	20	QM-07
Nickel	199		10.0	ug/L	200	1.80 U	99	75-125	5	20	
Silver	204		10.0	ug/L	200	1.90 U	102	75-125	2	20	
Tin	208		10.0	ug/L	200	4.60	102	75-125	0.2	20	
Vanadium	207		10.0	ug/L	200	2.32	102	75-125	2	20	
Zinc	215		10.0	ug/L	200	12.0	101	75-125	7	20	

Matrix Spike Dup (1I26020-MSD2) Prepared: 09/26/2011 09:31 Analyzed: 09/27/2011 09:46

Source: C109732-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	200		10.0	ug/L	200	2.80 U	100	75-125	2	20	
Barium	232		10.0	ug/L	200	27.1	103	75-125	1	20	
Beryllium	19.8		1.00	ug/L	20.0	0.100 U	99	75-125	2	20	
Cadmium	20.7		1.00	ug/L	20.0	0.360 U	104	75-125	1	20	
Chromium	199		10.0	ug/L	200	2.11	98	75-125	1	20	
Cobalt	208		10.0	ug/L	200	5.56	101	75-125	1	20	
Copper	202		10.0	ug/L	200	1.83	100	75-125	1	20	
Iron	1400		50.0	ug/L	1000	382	101	75-125	12	20	
Lead	201		10.0	ug/L	200	1.93	100	75-125	1	20	
Manganese	226		10.0	ug/L	200	30.3	98	75-125	1	20	
Nickel	206		10.0	ug/L	200	2.14	102	75-125	1	20	
Silver	205		10.0	ug/L	200	1.90 U	103	75-125	1	20	
Tin	209		10.0	ug/L	200	7.03	101	75-125	0.7	20	
Vanadium	203		10.0	ug/L	200	1.40 U	101	75-125	2	20	
Zinc	206		10.0	ug/L	200	4.14	101	75-125	2	20	

Post Spike (1I26020-PS1) Prepared: 09/26/2011 09:31 Analyzed: 09/27/2011 09:48

Source: C110553-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	0.188		0.0100	mg/L	0.200	0.000477	94	80-120			
Barium	0.203		0.0100	mg/L	0.200	0.0137	95	80-120			
Beryllium	0.0192		0.00100	mg/L	0.0200	6.04E-5	96	80-120			
Cadmium	0.0193		0.00100	mg/L	0.0200	0.000402	95	80-120			
Chromium	0.189		0.0100	mg/L	0.200	0.000320	94	80-120			

QUALITY CONTROL

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

Batch 1I26020 - EPA 3005A

Post Spike (1I26020-PS1) Continued Prepared: 09/26/2011 09:31 Analyzed: 09/27/2011 09:48

Source: C110553-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cobalt	0.196		0.0100	mg/L	0.200	0.000747	97	80-120			
Copper	0.187		0.0100	mg/L	0.200	0.000911	93	80-120			
Iron	1.22		0.0500	mg/L	1.00	0.269	95	80-120			
Lead	0.189		0.0100	mg/L	0.200	6.34E-5	94	80-120			
Manganese	0.422		0.0100	mg/L	0.200	0.239	91	80-120			
Nickel	0.189		0.0100	mg/L	0.200	0.000789	94	80-120			
Silver	0.193		0.0100	mg/L	0.200	0.000343	96	80-120			
Tin	0.196		0.0100	mg/L	0.200	0.00460	96	80-120			
Vanadium	0.194		0.0100	mg/L	0.200	0.00232	96	80-120			
Zinc	0.200		0.0100	mg/L	0.200	0.0120	94	80-120			

Batch 1I26022 - EPA 3005A

Blank (1I26022-BLK1) Prepared: 09/26/2011 09:37 Analyzed: 09/27/2011 10:54

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.220	U	2.00	ug/L							
Selenium	0.830	U	1.00	ug/L							
Thallium	0.110	U	1.00	ug/L							

LCS (1I26022-BS1) Prepared: 09/26/2011 09:37 Analyzed: 09/27/2011 10:58

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	24.9		2.00	ug/L	25.0		99	80-120			
Selenium	24.1		1.00	ug/L	25.0		96	80-120			
Thallium	27.1		1.00	ug/L	25.0		108	80-120			

Matrix Spike (1I26022-MS1) Prepared: 09/26/2011 09:37 Analyzed: 09/27/2011 11:37

Source: C109732-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	24.6		2.00	ug/L	25.0	0.220 U	98	75-125			
Selenium	24.5		1.00	ug/L	25.0	0.830 U	98	75-125			
Thallium	27.0		1.00	ug/L	25.0	0.110 U	108	75-125			

Matrix Spike (1I26022-MS2) Prepared: 09/26/2011 09:37 Analyzed: 09/27/2011 11:45

Source: C110553-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	24.9		2.00	ug/L	25.0	0.220 U	99	75-125			
Selenium	25.1		1.00	ug/L	25.0	0.830 U	100	75-125			
Thallium	27.3		1.00	ug/L	25.0	0.110 U	109	75-125			

Matrix Spike (1I26022-MS3) Prepared: 09/26/2011 09:37 Analyzed: 09/27/2011 11:52

Source: C111335-01

QUALITY CONTROL

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

Batch 1I26022 - EPA 3005A

Matrix Spike (1I26022-MS3) Continued Prepared: 09/26/2011 09:37 Analyzed: 09/27/2011 11:52

Source: C111335-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	24.3		2.00	ug/L	25.0	0.220 U	97	75-125			
Selenium	24.8		1.00	ug/L	25.0	0.830 U	99	75-125			
Thallium	27.2		1.00	ug/L	25.0	0.110 U	109	75-125			

Matrix Spike Dup (1I26022-MSD1) Prepared: 09/26/2011 09:37 Analyzed: 09/27/2011 11:41

Source: C109732-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	24.8		2.00	ug/L	25.0	0.220 U	99	75-125	0.9	20	
Selenium	24.1		1.00	ug/L	25.0	0.830 U	97	75-125	2	20	
Thallium	27.4		1.00	ug/L	25.0	0.110 U	110	75-125	2	20	

Matrix Spike Dup (1I26022-MSD2) Prepared: 09/26/2011 09:37 Analyzed: 09/27/2011 11:48

Source: C110553-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	24.6		2.00	ug/L	25.0	0.220 U	99	75-125	1	20	
Selenium	24.8		1.00	ug/L	25.0	0.830 U	99	75-125	1	20	
Thallium	27.6		1.00	ug/L	25.0	0.110 U	110	75-125	1	20	

Matrix Spike Dup (1I26022-MSD3) Prepared: 09/26/2011 09:37 Analyzed: 09/27/2011 11:56

Source: C111335-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	24.7		2.00	ug/L	25.0	0.220 U	99	75-125	2	20	
Selenium	24.3		1.00	ug/L	25.0	0.830 U	97	75-125	2	20	
Thallium	28.0		1.00	ug/L	25.0	0.110 U	112	75-125	3	20	

Post Spike (1I26022-PS1) Prepared: 09/26/2011 09:37 Analyzed: 09/27/2011 11:59

Source: C109732-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	25.1		2.00	ug/L	25.0	-0.00600	100	80-120			
Selenium	24.5		1.00	ug/L	25.0	-0.0230	98	80-120			
Thallium	27.6		1.00	ug/L	25.0	-0.680	113	80-120			

Classical Chemistry Parameters - Quality Control

Batch 1I26023 - NO PREP

Blank (1I26023-BLK1) Prepared & Analyzed: 09/26/2011 11:25

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	10000	U	10000	ug/L							

LCS (1I26023-BS1) Prepared & Analyzed: 09/26/2011 11:25

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 1I26023 - NO PREP

LCS (1I26023-BS1) Continued Prepared & Analyzed: 09/26/2011 11:25

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	1000		10	mg/L	970		103	90-110			

Duplicate (1I26023-DUP1) Prepared & Analyzed: 09/26/2011 11:25

Source: C110553-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	200000		10000	ug/L		200000			1	10	

Duplicate (1I26023-DUP2) Prepared & Analyzed: 09/26/2011 11:25

Source: C109732-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	360000		10000	ug/L		350000			0.6	10	

Batch 1I26025 - NO PREP

Blank (1I26025-BLK1) Prepared: 09/26/2011 11:44 Analyzed: 09/26/2011 11:57

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	10	U	100	ug/L							

LCS (1I26025-BS1) Prepared: 09/26/2011 11:44 Analyzed: 09/26/2011 11:57

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	0.41		0.10	mg/L	0.401		102	80-120			

Matrix Spike (1I26025-MS1) Prepared: 09/26/2011 11:44 Analyzed: 09/26/2011 11:57

Source: C110553-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	0.020		0.10	mg/L	0.401	-0.015	9	80-120			QM-05

Matrix Spike Dup (1I26025-MSD1) Prepared: 09/26/2011 11:44 Analyzed: 09/26/2011 11:57

Source: C110553-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	0.019		0.10	mg/L	0.401	-0.015	9	80-120	8	25	QM-05

Batch 1I27016 - NO PREP

Blank (1I27016-BLK1) Prepared: 09/27/2011 09:59 Analyzed: 09/27/2011 14:03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity as CaCO3	12000	U	15000	ug/L							

LCS (1I27016-BS1) Prepared: 09/27/2011 09:59 Analyzed: 09/27/2011 14:04

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 1I27016 - NO PREP

LCS (1I27016-BS1) Continued Prepared: 09/27/2011 09:59 Analyzed: 09/27/2011 14:04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity as CaCO3	100		15	mg/L	100		101	80-120			

Matrix Spike (1I27016-MS1) Prepared: 09/27/2011 09:59 Analyzed: 09/27/2011 14:06

Source: C110553-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity as CaCO3	120		15	mg/L	37.8	90	78	80-120			QM-05

Matrix Spike Dup (1I27016-MSD1) Prepared: 09/27/2011 09:59 Analyzed: 09/27/2011 14:07

Source: C110553-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity as CaCO3	120		15	mg/L	37.8	90	85	80-120	2	25	

Batch 1I27029 - NO PREP

Blank (1I27029-BLK1) Prepared: 09/27/2011 13:07 Analyzed: 09/27/2011 20:31

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	**1500**	**J**	5000	ug/L							
Sulfate as SO4	**1700**	**J**	5000	ug/L							

LCS (1I27029-BS1) Prepared: 09/27/2011 13:07 Analyzed: 09/27/2011 20:49

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	49	B	5.0	mg/L	50.0		98	90-110			
Sulfate as SO4	48	B	5.0	mg/L	50.0		96	90-110			

Matrix Spike (1I27029-MS1) Prepared: 09/27/2011 13:07 Analyzed: 09/27/2011 21:06

Source: C109732-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	24	B	5.0	mg/L	20.0	5.3	93	90-110			
Sulfate as SO4	36	B	5.0	mg/L	20.0	16	100	90-110			

Matrix Spike (1I27029-MS2) Prepared: 09/27/2011 13:07 Analyzed: 09/27/2011 21:42

Source: C110553-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	38	B	5.0	mg/L	20.0	17	102	90-110			
Sulfate as SO4	33	B	5.0	mg/L	20.0	14	95	90-110			

Matrix Spike Dup (1I27029-MSD1) Prepared: 09/27/2011 13:07 Analyzed: 09/27/2011 21:24

Source: C109732-01

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

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 1I27029 - NO PREP

Matrix Spike Dup (1I27029-MSD1) Continued Prepared: 09/27/2011 13:07 Analyzed: 09/27/2011 21:24

Source: C109732-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	23	B	5.0	mg/L	20.0	5.3	91	90-110	2	10	
Sulfate as SO4	35	B	5.0	mg/L	20.0	16	98	90-110	0.9	10	

Matrix Spike Dup (1I27029-MSD2) Prepared: 09/27/2011 13:07 Analyzed: 09/27/2011 21:59

Source: C110553-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	38	B	5.0	mg/L	20.0	17	101	90-110	0.3	10	
Sulfate as SO4	32	B	5.0	mg/L	20.0	14	95	90-110	0.3	10	

Batch 1I28007 - Same

Blank (1I28007-BLK1) Prepared: 09/28/2011 10:13 Analyzed: 09/28/2011 17:53

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	3.9	U	10	ug/L							

LCS (1I28007-BS1) Prepared: 09/28/2011 10:13 Analyzed: 09/28/2011 17:55

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	0.15		0.010	mg/L	0.150		99	85-115			

Matrix Spike (1I28007-MS1) Prepared: 09/28/2011 10:13 Analyzed: 09/28/2011 17:57

Source: C112107-20

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	0.15		0.010	mg/L	0.150	0.0006	97	85-115			

Matrix Spike (1I28007-MS2) Prepared: 09/28/2011 13:14 Analyzed: 09/28/2011 18:01

Source: C110553-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	0.15		0.010	mg/L	0.150	0.0007	100	85-115			

Matrix Spike Dup (1I28007-MSD1) Prepared: 09/28/2011 10:13 Analyzed: 09/28/2011 17:59

Source: C112107-20

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	0.15		0.010	mg/L	0.150	0.0006	99	85-115	2	20	

Matrix Spike Dup (1I28007-MSD2) Prepared: 09/28/2011 13:14 Analyzed: 09/28/2011 18:03

Source: C110553-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	0.15		0.010	mg/L	0.150	0.0007	98	85-115	1	20	

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 1I28007 - Same

QUALITY CONTROL

Chlorinated Herbicides by GC - Quality Control

Batch 1I27018 - EPA 3510C

Blank (1I27018-BLK1) Prepared: 09/27/2011 17:30 Analyzed: 09/30/2011 17:53

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-T	0.14	U	0.50	ug/L							
2,4,5-TP (Silvex)	0.15	U	0.50	ug/L							
2,4-D	0.15	U	0.50	ug/L							
Dinoseb	0.32	U	0.50	ug/L							
Pentachlorophenol	0.13	U	0.50	ug/L							
Surrogate: 2,4-DCAA	*2.2*			*ug/L*	*2.00*		*112*	*68-139*			

LCS (1I27018-BS1) Prepared: 09/27/2011 17:30 Analyzed: 09/30/2011 18:45

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	1.8		0.50	ug/L	2.00		91	70-114			
2,4-D	2.2		0.50	ug/L	2.00		110	37-129			
Surrogate: 2,4-DCAA	*2.0*			*ug/L*	*2.00*		*99*	*68-139*			

Matrix Spike (1I27018-MS1) Prepared: 09/27/2011 17:30 Analyzed: 09/30/2011 19:12

Source: C110553-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	1.6		0.50	ug/L	2.00	0.15 U	80	70-114			
2,4-D	3.5		0.50	ug/L	2.00	0.15 U	177	37-129			QM-17
Surrogate: 2,4-DCAA	*1.8*			*ug/L*	*2.00*		*92*	*68-139*			

Matrix Spike Dup (1I27018-MSD1) Prepared: 09/27/2011 17:30 Analyzed: 09/30/2011 19:38

Source: C110553-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	1.6		0.50	ug/L	2.00	0.15 U	81	70-114	2	15	
2,4-D	3.2		0.50	ug/L	2.00	0.15 U	160	37-129	10	33	QM-17
Surrogate: 2,4-DCAA	*1.9*			*ug/L*	*2.00*		*95*	*68-139*			

FLAGS/NOTES AND DEFINITIONS

B	The analyte was detected in the associated method blank.
D	The sample was analyzed at dilution.
J	The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.
U	The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
MRL	Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.
J-01	Result is estimated due to positive results in the associated method blank.
QB-01	The method blank had a positive result for the analyte; however, the concentration in the method blank is less than 10% of the sample result, which minimizes the impact of the deviation.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM-17	Matrix spike recovery was outside acceptance limits due to high concentrations of analyte in source sample.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QV-01	The associated continuing calibration verification standard exhibited high bias; since the result is ND, the impact on data quality is minimal.

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

10775 Central Port Dr.
Orlando, FL 32824
(407) 826-5314 Fax (407) 850-6945

4810 Executive Park Court, Suite 211
Jacksonville, FL 32216-6069
(904) 296-3007 Fax (904) 296-6210

102-A Woodwinds Industrial Ct.
Cary, NC 27511
(919) 467-3090 Fax (919) 467-3515

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Page 1 of 1

Client Name: Golder Associates, Inc. (GO007)	Project Number: 0839-650610.100
Address: 5B Oak Branch Drive	Project Name/Desc: Henderson Co. LF C&D
City/ST/Zip: Greensboro, NC 27407	PO # / Billing Info:
Tel: (336) 852-4903 Fax: (336) 852-4904	Reporting Contact: Dusty Reedy
Sampler(s) Name, Affiliation (Print): Brent Freyer, Golder	Billing Contact: Accounts Payable
Sampler(s) Signature: B. Freyer	Site Location / Time Zone: Henderson Co / Eastern

Requested Analyses

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

✓ Standard

___ Expedited

Due ___/___/___

Lab Workorder: C110553

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8081B Appendix 2,8082A Appendix 2,8151A Appendix 2,8270D Appendix 2	8260B Appendix 2,8260B Extended	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Ni,Pb,Sb,Se,Sa,Sn,Tl,V,Zn	Alkalinity 310.2,Chloride 300,TDS SM2540C	Cyanide Total 9014	Hg	Sulfate 300	Sulfide SM4500-S D			Sample Comments
	4501-MW10	9-21-11	0855	G	GW	11	X	X	X	X	X	X	X	X			
	~~4501-MW11 (MS/MSD)~~				~~GW~~	~~20~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~	~~X~~			damaged well, unable to sample
	4501-MW12 (MS/MSD)	9-22-11	0930	G	GW	11	X	X	X	X	X	X	X	X			
	4501-MW13	9-21-11	0950	G	GW	11	X	X	X	X	X	X	X	X			

<-- Total # of Containers

Preservation (See Codes) (Combine as necessary)

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
JK	9.6.11	B. Freyer	9-22-11 / 1600	Briana Gregory	9/23/11 10:30
		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time

Comments/Special Reporting Requirements: Please provide level 2 data report

Cooler #'s & Temps on Receipt: C-349 1.8°C C-614 C-44 3.6°C

Condition Upon Receipt: X Acceptable ___ Unacceptable

Matrix : GW-Groundwater SO-Soil DW-Drinking Water SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments)

Preservation: I-Ice H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

Note : All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist

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WORK ORDER

Printed: 10/7/2011 4:00:27PM

C110553

ENCO Cary

Sample Receipt Conditions

Client:	**Golder Associates, Inc. (GO007)**	**Lab Project Mgr:**	**Stephanie Franz**
Project:	**Henderson Co. LF C&D**	**Project Number:**	**0839-650610.100**
PO #:			

Report To:

Golder Associates, Inc. (GO007)
Dusty Reedy
5B Oak Branch Drive
Greensboro, NC 27407
Phone: (336) 852-4903
Fax: (336) 852-4904

Invoice To:

Golder Associates, Inc. (GO007)
Accounts Payable
5B Oak Branch Drive
Greensboro, NC 27407
Phone :(804) 358-7900
Fax: 804-358-2900

Received By:	Briana J Gregory	Date Received:	23-Sep-11 10:30
Logged In By:	Briana J Gregory	Date Logged In:	23-Sep-11 11:34

Work Order Comments:

C-349 received at 1.8°C

Containers Intact	Y	Containers Properly Preserved	Y	Proper Containers Received	Y	All Samples in PreLog Received	N	COC/Labels Agree	Y
Custody Seals Intact	Y	Volatile Containers Preserved	Y	Volatile Containers Headspace Free	Y	Aqueous Samples Checked for Residual Cl	N	Received On Ice	Y

C-44 received at 3.6°C

Containers Intact	Y	Containers Properly Preserved	Y	Proper Containers Received	Y	All Samples in PreLog Received	N	COC/Labels Agree	Y
Custody Seals Intact	Y	Volatile Containers Preserved	Y	Volatile Containers Headspace Free	Y	Aqueous Samples Checked for Residual Cl	N	Received On Ice	Y

GOLDER ASSOCIATES INC.
QUALITY ASSURANCE & QUALITY CONTROL
LABORATORY DATA REVIEW

Project Name: Henderson County C&D Landfill

Project Reference Number: 0839-650611.100

Sampling Event Date: September 21-22, 2011

Review Date: October 11, 2011 *Initials:* JD

Report #: C110553

Person(s) performing the review are to initial each item on this form as acknowledgement of data acceptance, or as acknowledgement of a review issue. In the case of the latter, a brief explanation should follow the applicable item.

Golder Associates Inc. has reviewed the laboratory certificates of analysis, chain-of-custody form, and laboratory provided sample group quality assurance and quality control data for the above referenced sample group to identify potential bias or inaccuracy, in general accordance with the following United States Environmental Protection Agency documents:

- Region III Modifications to Functional Guidelines for Organic Data Review Multi-Media, Multi-Concentration, September 1994;
- Region III Modifications to the Laboratory Data Validation Functional Guidelines for Evaluating Inorganic Analyses, April 1993; and
- Laboratory Data Validation Functional Guidelines for Evaluating Inorganic Analyses, July 1998.

COMPLIANCE ANALYTE LIST(S) (check all that apply)

___ NC Closed Facility List (.500 Rules)

X NC C & D List (New Rules)

___ NC Appendix I

___ NC Appendix I + Detects

___ NC Appendix II

___ NC Subtitle D Leachate List

Other: _____

1.0 CHAIN OF CUSTODY (COC) REVIEW

JD COC was properly signed by all parties.

JD Correct project name and number are on the form.

- ***Correct project number is 083-9650611.100***

JD Sample receipt condition at laboratory was acceptable.

JD Each sample and blank submitted for analysis appears in the report.

2.0 SAMPLE HOLDING TIMES

JD Holding times for extraction and/or analysis were met for each analytical Method (see below for reference).

Review Criteria		
Method	**Analytes**	**Holding Time**
SW-846 Method 8260 and 8011	VOCs	14 days
SW-846 Methods 8270, 8080, 8081, 8082, and 8151	SVOCs, PCBs, pesticides and herbicides	7 days for extraction, 40 days from extraction for analysis
SW-846 Methods 6000 and 7000 Series	Metals except mercury	6 months (no temperature requirements)
SW-846 Method 7470	Mercury	28 days
SW-846 Method 376.1	Sulfide	7 days
SW-846 Method 9010	Cyanide	14 days
EPA Method 300	Nitrate/Sulfate	48 hours/28 days
EPA Method 405.1	BOD	48 hours
EPA Method 410.4	COD	28 days
EPA Method 365.4	Phosphorous	28 days

3.0 LABORATORY QUALITY CONTROL REVIEW

JD Laboratory analyzed at least one internal blank for each method, where applicable.

JD Laboratory blank is interference-free.

- ***Chloride @ 1500 ug/L (J)***
- ***Sulfate @ 1700 ug/L (J)***

JD Surrogate recoveries are provided for each analytical method, where applicable.

JD Surrogate recoveries for each method are within the acceptable limits (i.e., at least 50% of the surrogates were within range).

JD MS/MSD/LCS data results are provided for each analytical method.

JD MS/MSD/LCS recoveries for each method are within the acceptable limits (i.e., at least 1 of the 3 were within range).

- ***Precision between duplicate spikes of dieldrin and endrin were outside of control limits for the 8081B MS and MSD samples. The individual recoveries of these analytes were within acceptance criteria. The QC batch was approved based on acceptable LCS recovery of these analytes.***
- ***The spike recovery of 2,4-D was outside of control limits for the 8151A MS and MSD samples. The QC batch was based on acceptable LCS recovery of this analyte.***
- ***The spike recoveries of iron and manganese were outside of control limits for the 6010C MS and MSD sample. The QC batch was approved based on acceptable LCS recovery of this analyte.***
- ***The spike recoveries for Alkalinity and Sulfate are outside of control limits for the MS and/or MSD samples. The QC batches are approved based on acceptable recovery of these analytes.***

4.0 ANALYTE LISTS/METHODS

JD The proper number of constituents are present for each analyte list as identified above (including detects where applicable).

JD Proper EPA SW-846 analytical methods were used for analysis.

5.0 DATA REPORTING

JD All analytical reporting associated with the event was performed by the contracted lab.

JD Trip, field and/or equipment, and laboratory blank results have all been reported. All detects for blanks are listed below by constituent. All laboratory method blanks, if any, have been 'flagged' with a 'B' where detected in other samples as appropriate and a laboratory narrative was provided. If the sample was flagged by the laboratory and is not within 5X of the concentration in the blank (or 10X for commonly detected laboratory contaminants-acetone, methylene chloride and phthalates), list below with explanation if flags should be removed. If flags need to be added for samples, also list below.

Method Blanks:

- ***Chloride @ 1500 ug/L (J)*** ****B-flags needed for MW-10 and MW-13***
- ***Sulfate @ 1700 ug/L (J)*** ****B-flags needed for MW-10 and MW-13***

JD It is clear from the laboratory report that samples have or have not been diluted during analysis, and if the samples have been diluted, the result is reported as a multiple of the dilution (e.g., a sample diluted 10x resulting in an analytical detection of 1.0 should be reported as 10). Those that have been diluted are listed below with the dilution factor.

JD The report provides the reporting limit for each constituent.

JD The results were reported at or below their proper reporting limits (i.e., MDLs with SWSLs reported). Those that are not reported correctly are listed below (by constituent) with the proper reporting limit listed beside them. State if the reporting limit error is due to dilutions.

JD No organic constituents were reported above their respective SWSLs, and no inorganic or organic constituents were reported above their respective NC 2L Drinking Water Standards/SWS GWPS in wells, or field/equipment/trip blanks, or above applicable surface water standards in surface water points.

Organic SWSL Exceedances:

MW-13:	***Trichlorofluoromethane @ 1.7 µg/L***	***(SWSL = 1 µg/L)***

NC2L and/or SWS GWPS Exceedances:

MW-12:	***Manganese @ 239 µg/L***	***(NC2L = 50 µg/L)***
	Vanadium @ 2.32 µg/L (J)	***(GWPS = 0.3 µg/L)***
MW-13:	***Iron @ 457 µg/L***	***(NC2L = 300 µg/L)***
	Manganese @ 66.2 µg/L	***(NC2L = 50 µg/L)***
	PCE @ 0.75 µg/L (J)	***(NC2L = 0.7 µg/L)***
	Vinyl chloride @ 0.64 µg/L (J) (NC2L = 0.03 µg/L)	

JD No inorganic and organic constituents were detected in a well or surface water point at quantified concentrations outside of their historical range (more than 5X previous concentrations or first-time detections).

JD Other report issues/Communications with laboratory/etc.:

APPENDIX C

STATISTICAL EVALUATION WORKSHEETS & SUMMARY TABLE

Summary of Statistical Analysis
Henderson County Landfill, Permit No. 45-01
Hendersonville, North Carolina

September 2011								
Detected Monitoring Constituent/ Analytes	**Reporting Units**	**Groundwater Standard**		**Downgradient Monitoring Well**	**Constituent/ Analyte Concentration**	**Statistical Analysis**		**Statistical Determination**
		NC 2L	**GWPS**			**Interwell**	**Intrawell**	
Barium	ug/L	700	--	MW-8	1370	348	1130	SSI
Chromium	ug/L	10	--	MW-8	12.4	11.0	10.0	SSI
Lead	ug/L	15	--	MW-6	15.5	75.90	NA	Not SSI
				MW-8	18.5		NA	Not SSI

Notes:
1. Statistical worksheets are provided as Appendix C.
2. ug/L = micrograms per liter
3. NC 2L = North Carolina 2L Groundwater Standard
4. GWPS = North Carolina Solid Waste Section Groundwater Protection Standard
5. SSI = statistically significant increase
6. North Carolina Appendix I Inorganic constituents detected above their respective Solid Waste Section Reporting Limit and Groundwater Standard in samples from downgradient monitoring wells were statistically evaluated.

Golder Associates

Project Name: Henderson County Landfill
Project No: 0839-650611.100
Date: 10/12/11

Analyte: Barium

Sample No.	Sample Date	Location	Concentration (ug/L)		Quantitation Limit (ug/L)
1	12/5/94	MW-5	134		100
2	2/14/95	MW-5	ND		100
3	4/3/95	MW-5	174		100
4	10/30/95	MW-5	348		100
5	4/8/96	MW-5	199		100
6	10/24/96	MW-5	300		100
7	4/15/97	MW-5	180		100
8	10/29/97	MW-5	200		100
9	5/14/98	MW-5	ND		100
10	10/11/98	MW-5	ND		100
11	6/4/99	MW-5	ND		100
12	10/29/99	MW-5	ND		100
13	4/20/00	MW-5	ND		100
14	11/7/00	MW-5	ND		100
15	5/15/01	MW-5	ND		100
16	10/16/01	MW-5	ND		100
17	4/24/02	MW-5	ND		100
18	10/1/02	MW-5	ND		100
19	4/9/03	MW-5	ND		100
20	10/20/03	MW-5	ND		100
21	3/24/04	MW-5	ND		100
22	10/27/04	MW-5	ND		100
23	5/25/05	MW-5	ND		100
24	10/4/05	MW-5	ND		100
25	4/25/06	MW-5	ND		100
26	10/4/06	MW-5	ND		100
27	3/21/07	MW-5	47.5	J	100
28	10/2/07	MW-5	135		100
29	4/3/08	MW-5	87.8	J	100
30	10/29/08	MW-5	69.9	J	100
31	3/24/09	MW-5	26.2	J	100
32	9/22/09	MW-5	31.5	J	100
33	3/22/10	MW-5	28.2	J	100
34	9/23/10	MW-5	34.3	J	100
35	3/16/11	MW-5	71.3	J	100
36	9/21/11	MW-5	40.2	J	100

Number of Data	36
Number of Truncated Data	19
Percentage of Truncated Data	53%

Nonparametric Prediction Interval: **348** ug/L

Project Name: Henderson County Landfill
Project No: 0839-650611.100
Date: 10/12/11

Analyte: Barium (Intrawell MW-8)

Sample No.	Sample Date	Location	Concentration (ug/L)		Quantitation Limit (ug/L)
1	12/5/94	MW-8	528		100
2	2/14/95	MW-8	601		100
3	4/3/95	MW-8	786		100
4	10/30/95	MW-8	835		100
5	4/8/96	MW-8	790		100
6	10/24/96	MW-8	925		100
7	4/15/97	MW-8	810		100
8	10/29/97	MW-8	700		100
9	5/14/98	MW-8	628		100
10	10/11/98	MW-8	50	1/2 Quant. Limit	100
11	6/4/99	MW-8	552		100
12	10/29/99	MW-8	50	1/2 Quant. Limit	100
13	4/20/00	MW-8	50	1/2 Quant. Limit	100
14	11/7/00	MW-8	50	1/2 Quant. Limit	100
15	5/15/01	MW-8	604		100
16	10/16/01	MW-8	298		100
17	4/24/02	MW-8	642		100
18	10/1/02	MW-8	50	1/2 Quant. Limit	100
19	4/9/03	MW-8	522		100
20	10/20/03	MW-8	720		100
21	3/24/04	MW-8	829		100
22	10/27/04	MW-8	866		100
23	10/4/05	MW-8	982		100
24	4/25/06	MW-8	822		100
25	10/4/06	MW-8	920		100
26	3/21/07	MW-8	992		100
27	10/2/07	MW-8	695		100
28	4/3/08	MW-8	714		100
29	10/29/08	MW-8	429		100
30	3/24/09	MW-8	517		100
31	9/22/09	MW-8	916		100
32	3/22/10	MW-8	693		100
33	9/23/10	MW-8	1130		100
34	3/16/11	MW-8	414		100

Number of Data	34
Number of Truncated Data	5
Percentage of Truncated Data	15%

Nonparametric Prediction Interval: **1130** ug/L

Project Name: Henderson County Landfill
Project No: 0839-650611.100
Date: 10/12/11

Probability Plots to determine the distribution of Barium (Intrawell MW-8)

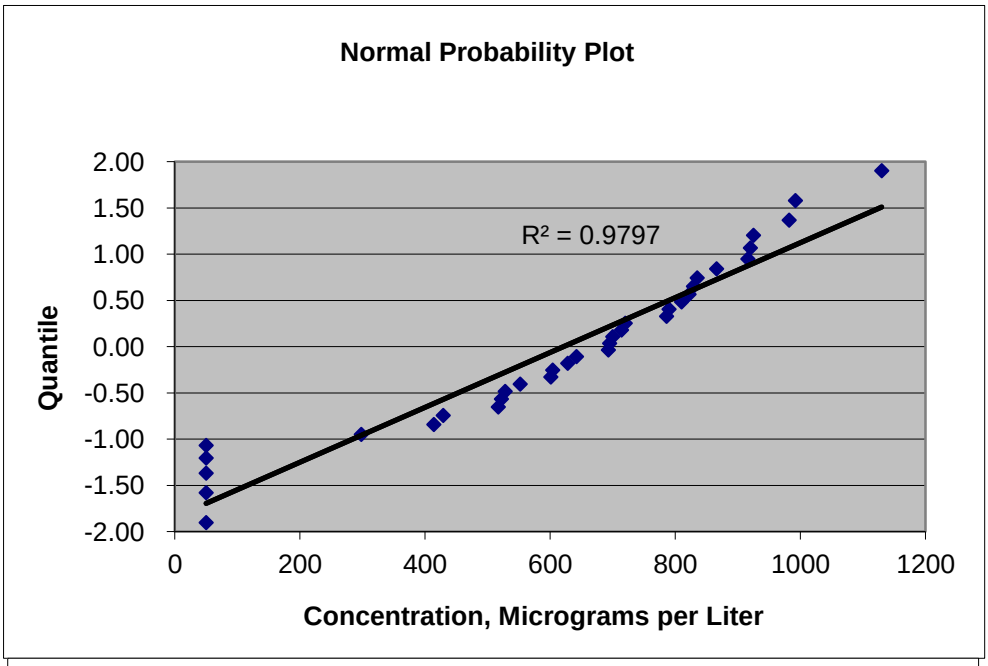
Complete the following table where:

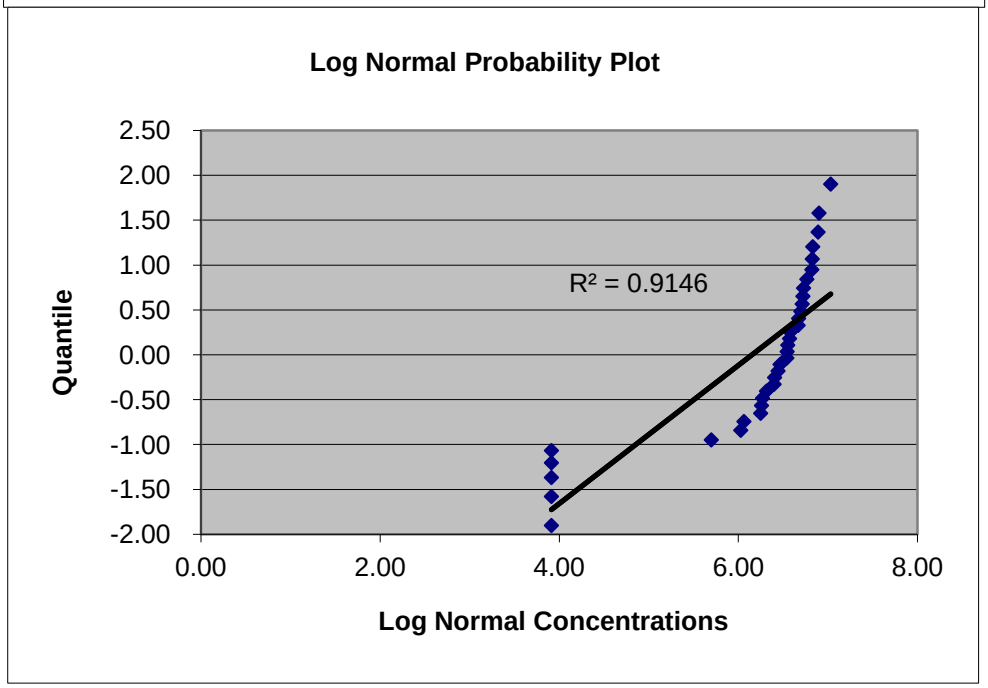
i = ordered value of sample, arranged from smallest to largest
X(i) = sample values arranged from smallest to largest
LN[X(i)] = Natural Log Value of sample concentrations arranged from smallest to largest
[i/(n+1)] = Cumulative probability
n = number of samples = 34

X(i)	LN[X(i)]	i	Rank	[Rank/(n+1)]	Quantiles
50	3.91	1	1	0.029	-1.90
50	3.91	2	2	0.057	-1.58
50	3.91	3	3	0.086	-1.37
50	3.91	4	4	0.114	-1.20
50	3.91	5	5	0.143	-1.07
298	5.70	6	6	0.171	-0.95
414	6.03	7	7	0.200	-0.84
429	6.06	8	8	0.229	-0.74
517	6.25	9	9	0.257	-0.65
522	6.26	10	10	0.286	-0.57
528	6.27	11	11	0.314	-0.48
552	6.31	12	12	0.343	-0.40
601	6.40	13	13	0.371	-0.33
604	6.40	14	14	0.400	-0.25
628	6.44	15	15	0.429	-0.18
642	6.46	16	16	0.457	-0.11
693	6.54	17	17	0.486	-0.04
695	6.54	18	18	0.514	0.04
700	6.55	19	19	0.543	0.11
714	6.57	20	20	0.571	0.18
720	6.58	21	21	0.600	0.25
786	6.67	22	22	0.629	0.33
790	6.67	23	23	0.657	0.40
810	6.70	24	24	0.686	0.48
822	6.71	25	25	0.714	0.57
829	6.72	26	26	0.743	0.65
835	6.73	27	27	0.771	0.74
866	6.76	28	28	0.800	0.84
916	6.82	29	29	0.829	0.95
920	6.82	30	30	0.857	1.07
925	6.83	31	31	0.886	1.20
982	6.89	32	32	0.914	1.37
992	6.90	33	33	0.943	1.58
1130	7.03	34	34	0.971	1.90

Project Name: Henderson County Landfill
Project No: 0839-650611.100
Date: 10/12/11

Probability Plots to determine the distribution of Barium (Intrawell MW-8)





Project Name: Henderson County Landfill
Project No: 0839-650611.100
Date: 10/12/11

Determination of reported background value as an outlier

Analyte: Barium (Intrawell MW-8)

Background Data

Sample No.	Sample Date	Location	Concentration (ug/l)		Quantitation Limit (ug/l)
1	12/05/94	MW-8	528		100
2	02/14/95	MW-8	601		100
3	04/03/95	MW-8	786		100
4	10/30/95	MW-8	835		100
5	04/08/96	MW-8	790		100
6	10/24/96	MW-8	925		100
7	04/15/97	MW-8	810		100
8	10/29/97	MW-8	700		100
9	05/14/98	MW-8	628		100
10	10/11/98	MW-8	50.0		100
11	06/04/99	MW-8	552		100
12	10/29/99	MW-8	50.0		100
13	04/20/00	MW-8	50.0		100
14	11/07/00	MW-8	50.0		100
15	05/15/01	MW-8	604		100
16	10/16/01	MW-8	298		100
17	04/24/02	MW-8	642		100
18	10/01/02	MW-8	50.0		100
19	04/09/03	MW-8	522		100
20	10/20/03	MW-8	720		100
21	03/24/04	MW-8	829		100
22	10/27/04	MW-8	866		100
23	10/04/05	MW-8	982		100
24	04/25/06	MW-8	822		100
25	10/04/06	MW-8	920		100
26	03/21/07	MW-8	992		100
27	10/02/07	MW-8	695		100
28	04/03/08	MW-8	714		100
29	10/29/08	MW-8	429		100
30	03/24/09	MW-8	517		100
31	09/22/09	MW-8	916		100
32	03/22/10	MW-8	693		100
33	09/23/10	MW-8	1130		100
34	03/16/11	MW-8	414		100

mean = 620.882
STD = 299.580

Note: All concentrations are micrograms per liter

Using the data listed above, form the statistic Tn:

Tn = (Xn - mean) / STD

where:	Xn =	largest observed sample value
	mean =	mean of the background values
	STD =	standard deviation of the background values

For	Xn =	1130.000
	mean =	620.882
	STD =	299.580
	Tn =	**1.699**

From Table 8 included in the Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities - Interim Final Guidance, the critical value for the given sample group is

Number of samples =	34
Tc =	**2.779**

Since Tc>Tn, the sample result is not considered to be an outlier

Project Name: Henderson County Landfill
Project No: 0839-650611.100
Date: 10/12/11

Shapiro Wilk Test Statistic (W) for normality of total Barium (Intrawell MW-8)

Complete the following table where

i = ordered value of sample, arranged from smallest to largest
X(i) = sample values arranged from smallest to largest
X(n-i+1) = sample values arranged from largest to smallest
A(n-i+1) = coefficient from table A-1, Statistical Analysis of Ground-Water Data at RCRA Facilities
B(i) = summation of (X(n-i+1)-X(i))A(n-i+1)

i	X(i)	X(n-i+1)	X(n-i+1) - X(i)	A(n-i+1)	B(i)
1	50.00	1130.00	1080	0.4127	445.72
2	50.00	992.00	942	0.2854	268.85
3	50.00	982.00	932	0.2439	227.31
4	50.00	925.00	875	0.2132	186.55
5	50.00	920.00	870	0.1882	163.73
6	298.00	916.00	618	0.1667	103.02
7	414.00	866.00	452	0.1475	66.67
8	429.00	835.00	406	0.1301	52.82
9	517.00	829.00	312	0.1140	35.57
10	522.00	822.00	300	0.0988	29.64
11	528.00	810.00	282	0.0844	23.80
12	552.00	790.00	238	0.0706	16.80
13	601.00	786.00	185	0.0572	10.58
14	604.00	720.00	116	0.0441	5.12
15	628.00	714.00	86	0.0314	2.70
16	642.00	700.00	58	0.0187	1.08
17	693.00	695.00	2	0.0062	0.01
18	695.00	693.00			
19	700.00	642.00			
20	714.00	628.00			
21	720.00	604.00			
22	786.00	601.00			
23	790.00	552.00			
24	810.00	528.00			
25	822.00	522.00			
26	829.00	517.00			
27	835.00	429.00			
28	866.00	414.00			
29	916.00	298.00			
30	920.00	50.00			
31	925.00	50.00			
32	982.00	50.00			
33	992.00	50.00			
34	1130.00	50.00			

The test statistic W can be found using:

W = SQR[B/(SD x SQRT(n-1))]

where:	B =	summation of (X(n-i+1)-X(i))A(n-i+1)	=	1639.98
	SD =	standard deviation of the data group	=	299.58
	n =	number of samples	=	34
			W =	0.908

Compare this value to the critical value in Table A-2 of Statistical Analysisof Ground-Water Monitoring Data at RCRA Facilities, Addendum to Interim Final Guidance (Draft) July, 1992, to determine if the data is normally distributed.

From Table A-2 with (n) samples and a 95% confidence level, the critical value is

W(crit) = 0.933
and the calculated W = 0.908

Therefore the data is Non Normal

Project Name: Henderson County Landfill
Project No: 0839-650611.100
Date: 10/12/11

Shapiro Wilk Test Statistic (W) for log normality of Barium (Intrawell MW-8)

Complete the following table where

i = ordered value of sample, arranged from smallest to largest
X(i) = sample values arranged from smallest to largest
X(n-i+1) = sample values arranged from largest to smallest
A(n-i+1) = coefficient from table A-1, Statistical Analysis of Ground-Water Data at RCRA Facilities
B(i) = summation of (X(n-i+1)-X(i))A(n-i+1)

i	X(i)	X(n-i+1)	X(n-i+1) - X(i)	A(n-i+1)	B(i)
1	3.91	7.03	3.1179	0.4127	1.2868
2	3.91	6.90	2.9877	0.2854	0.8527
3	3.91	6.89	2.9776	0.2439	0.7262
4	3.91	6.83	2.9178	0.2132	0.6221
5	3.91	6.82	2.9124	0.1882	0.5481
6	5.70	6.82	1.1229	0.1667	0.1872
7	6.03	6.76	0.7380	0.1475	0.1089
8	6.06	6.73	0.6660	0.1301	0.0866
9	6.25	6.72	0.4722	0.1140	0.0538
10	6.26	6.71	0.4541	0.0988	0.0449
11	6.27	6.70	0.4279	0.0844	0.0361
12	6.31	6.67	0.3585	0.0706	0.0253
13	6.40	6.67	0.2684	0.0572	0.0154
14	6.40	6.58	0.1757	0.0441	0.0077
15	6.44	6.57	0.1283	0.0314	0.0040
16	6.46	6.55	0.0865	0.0187	0.0016
17	6.54	6.54	0.0029	0.0062	0.0000
18	6.54	6.54			
19	6.55	6.46			
20	6.57	6.44			
21	6.58	6.40			
22	6.67	6.40			
23	6.67	6.31			
24	6.70	6.27			
25	6.71	6.26			
26	6.72	6.25			
27	6.73	6.06			
28	6.76	6.03			
29	6.82	5.70			
30	6.82	3.91			
31	6.83	3.91			
32	6.89	3.91			
33	6.90	3.91			
34	7.03	3.91			

The test statistic W can be found using:

W = SQR((B/SD x SQRT(n-1))

where:	B =	summation of (X(n-i+1)-X(i))A(n-i+1)	=	4.6074
	SD =	standard deviation of the data group	=	0.9834
	n =	number of samples	=	34
			W =	0.6652

Compare this value to the critical value in Table A-2 of Statistical Analysisof Ground-Water Monitoring Data at RCRA Facilities, Addendum to Interim Final Guidance (Draft) July, 1992, to determine if the data is normally distributed.

From Table A-2 with (n) samples and a 95% confidence level, the critical value is

W(crit) = 0.933
and the calculated W = 0.665

Therefore the data is Non Normal

Project Name: Henderson County Landfill
Project No: 0839-650611.100
Date: 10/24/11

Analyte: Chromium

Sample No.	Sample Date	Location	Concentration (ug/L)		Quantitation Limit (ug/L)
1	12/05/94	MW-5	ND		10
2	02/14/95	MW-5	ND		10
3	04/03/95	MW-5	ND		10
4	10/30/95	MW-5	11		10
5	04/08/96	MW-5	5		10
6	10/24/96	MW-5	ND		10
7	04/15/97	MW-5	3		10
8	10/29/97	MW-5	3		10
9	05/14/98	MW-5	ND		10
10	10/11/98	MW-5	ND		10
11	06/04/99	MW-5	ND		10
12	10/29/99	MW-5	ND		10
13	04/20/00	MW-5	ND		10
14	11/07/00	MW-5	ND		10
15	05/15/01	MW-5	ND		10
16	10/16/01	MW-5	ND		10
17	04/24/02	MW-5	ND		10
18	10/01/02	MW-5	ND		10
19	04/09/03	MW-5	ND		10
20	10/20/03	MW-5	ND		10
21	03/24/04	MW-5	ND		10
22	10/27/04	MW-5	ND		10
23	05/25/05	MW-5	ND		10
24	10/04/05	MW-5	ND		10
25	04/25/06	MW-5	ND		10
26	10/04/06	MW-5	ND		10
27	03/21/07	MW-5	3.33	J	10
28	10/29/08	MW-5	7.45	J	10
29	03/24/09	MW-5	ND		10
30	09/22/09	MW-5	1.36	J	10
31	03/22/10	MW-5	ND		10
32	09/23/10	MW-5	ND		10
33	03/16/11	MW-5	2.55	J	10
34	09/21/11	MW-5	ND		10
35	09/21/11	MW-5	ND		10

Number of Data	35
Number of Truncated Data	27
Percentage of Truncated Data	77%

Nonparametric Prediction Interval: **11.0** ug.L

Project Name: Henderson County Landfill
Project No: 0839-650611.100
Date: 10/24/11

Analyte: Chromium (MW-8 Intrawell)

Sample No.	Sample Date	Location	Concentration (ug/L)		Quantitation Limit (ug/L)
1	12/05/94	MW-8	ND		10
2	02/14/95	MW-8	ND		10
3	04/03/95	MW-8	ND		10
4	10/30/95	MW-8	ND		10
5	04/08/96	MW-8	ND		10
6	10/24/96	MW-8	ND		10
7	04/15/97	MW-8	2		10
8	10/29/97	MW-8	2		10
9	05/14/98	MW-8	ND		10
10	10/11/98	MW-8	ND		10
11	06/04/99	MW-8	ND		10
12	10/29/99	MW-8	ND		10
13	04/20/00	MW-8	ND		10
14	11/07/00	MW-8	ND		10
15	05/15/01	MW-8	ND		10
16	10/16/01	MW-8	ND		10
17	04/24/02	MW-8	ND		10
18	10/01/02	MW-8	ND		10
19	04/09/03	MW-8	ND		10
20	10/20/03	MW-8	ND		10
21	03/24/04	MW-8	ND		10
22	10/27/04	MW-8	ND		10
23	10/04/05	MW-8	ND		10
24	04/25/06	MW-8	ND		10
25	10/04/06	MW-8	ND		10
26	03/21/07	MW-8	4.12	J	10
27	10/29/08	MW-8	6.10	J	10
28	03/24/09	MW-8	4.0	J	10
29	09/22/09	MW-8	3.28	J	10
30	03/22/10	MW-8	ND		10
31	09/23/10	MW-8	4.38	J	10
32	03/16/11	MW-8	3.29	J	10

Number of Data	32
Number of Truncated Data	24
Percentage of Truncated Data	75%

Nonparametric Prediction Interval: **10.0** ug/L

Project Name: Henderson County Landfill
Project No: 0839-650610.100
Date: 10/24/11

Analyte: Lead

Sample No.	Sample Date	Location	Concentration (ug/L)		Quantitation Limit (ug/L)
1	12/5/94	MW-5	ND		10
2	2/14/95	MW-5	ND		10
3	4/3/95	MW-5	ND		10
4	10/30/95	MW-5	7		10
5	4/8/96	MW-5	ND		10
6	10/24/96	MW-5	8		10
7	4/15/97	MW-5	13		10
8	10/29/97	MW-5	9		10
9	5/14/98	MW-5	ND		10
10	10/11/98	MW-5	ND		10
11	6/4/99	MW-5	ND		10
12	10/29/99	MW-5	ND		10
13	4/20/00	MW-5	ND		10
14	11/7/00	MW-5	ND		10
15	5/15/01	MW-5	ND		10
16	10/16/01	MW-5	ND		10
17	4/24/02	MW-5	24		10
18	10/1/02	MW-5	ND		10
19	4/9/03	MW-5	ND		10
20	10/20/03	MW-5	ND		10
21	3/24/04	MW-5	ND		10
22	10/27/04	MW-5	ND		10
23	5/25/05	MW-5	ND		10
24	10/4/05	MW-5	ND		10
25	4/25/06	MW-5	ND		10
26	10/4/06	MW-5	ND		10
27	3/21/07	MW-5	ND		10
28	10/2/07	MW-5	69.2	J	10
29	4/3/08	MW-5	75.8	J	10
30	10/29/08	MW-5	75.9	J	10
31	3/24/09	MW-5	3.3	J	10
32	9/22/09	MW-5	3.52	J	10
33	3/22/10	MW-5	ND		10
34	9/23/10	MW-5	ND		10
35	3/16/11	MW-5	4.92	J	10
36	9/21/11	MW-5	ND		10

Number of Data	36
Number of Truncated Data	25
Percentage of Truncated Data	69%

Nonparametric Prediction Interval: **75.9** ug/L

At Golder Associates we strive to be the most respected global group of companies specializing in ground engineering and environmental services. Employee owned since our formation in 1960, we have created a unique culture with pride in ownership, resulting in long-term organizational stability. Golder professionals take the time to build an understanding of client needs and of the specific environments in which they operate. We continue to expand our technical capabilities and have experienced steady growth with employees now operating from offices located throughout Africa, Asia, Australasia, Europe, North America and South America.

Africa	+ 27 11 254 4800
Asia	+ 852 2562 3658
Australasia	+ 61 3 8862 3500
Europe	+ 356 21 42 30 20
North America	+ 1 800 275 3281
South America	+ 55 21 3095 9500

solutions@golder.com
www.golder.com

Golder Associates NC, Inc.
5B Oak Branch Drive
Greensboro, NC 27407 USA
(336) 852-4903 - Phone
(336) 852-4904 - Fax

Golder Associates