WATER QUALITY MONITORING REPORT

SECOND SEMI-ANNUAL 2010 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

January 2011 **0839-650610.100**

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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 Yates Reedy II, P.G. 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	September 21-23, 2010

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 or explosive methane gas limits 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 Yates Reedy II, P.G. — Facility Representative Name (Print)

Senior Project Hydrogeologist — Title

(336) 852-4903 — (Area Code) Telephone Number

Signature

1-17-11 — Date

Affix NC Licensed/ Professional Geologist Seal

NORTH CAROLINA LICENSED SEAL 1963 GEOLOGIST DAVID YATES REEDY, II

1-17-11

Revised 10/2006

January 17, 2011 0839-650610.100

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 2010 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 21-23, 2010, compliance monitoring event at the closed municipal solid waste (MSW) landfill and closed construction and demolition (C&D) landfill at the above-referenced facility.

Groundwater samples from the compliance and assessment monitoring wells at the closed MSW facility were analyzed for the NC Appendix I list of constituents plus mercury. Groundwater samples from the closed C&D facility wells were analyzed for the NC Appendix I list of constituents plus indicator parameters and mercury specified in Title 15A NCAC 13B.0566. Surface water samples were analyzed for the NC Appendix I list of constituents.

As presented, four inorganic constituents (barium, 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 2010 monitoring event. The concentrations of barium, lead, and mercury were statistically determined to be below background. The concentration of zinc in the sample from MW-8 was determined to be statistically significant. Barium was detected in MW-8 at a quantified concentration above the NC 2L Standard (2L Standard), and the concentration is generally consistent with historical concentrations of barium in this well. Thallium and vanadium were detected in the sample from MW-8 and vanadium was detected in the sample from AMW-2S above their respective groundwater standards; however, the concentrations are estimated (below the SWSL). No other NC Appendix I inorganic constituents exceeded their respective 2L Standards or Solid Waste Section Groundwater Protection Standards (GWPSs) during the September 2010 event for the closed MSW facility.

Seven NC Appendix I volatile organic constituents (VOCs) were detected above their respective SWSLs in one or more downgradient monitoring wells at the closed MSW landfill during the September 2010 event: chlorobenzene; 1,4-dichlorobenzene; cis-1,2-dichloroethene; ethylbenzene, toluene, total xylenes, and vinyl chloride. Of these, the following VOCs were detected at concentrations that exceeded their respective 2L Standards: 1,4-dichlorobenzene in the samples from MW-6 and MW-7, and vinyl chloride in the sample from MW-7. These detected constituents and concentrations are generally consistent with reported concentrations during recent events at the closed MSW landfill.

One NC Appendix I inorganic constituent (zinc) was detected at the closed C&D landfill in the sample from downgradient monitoring well MW-13 at a concentration above its respective SWSL during this event. Based on the zinc concentrations in recent samples from background well MW-10, the

concentration of zinc appears to be naturally occurring. The concentrations of zinc are below the groundwater standard and no further action is required. The concentrations of indicator parameters iron and manganese in samples from all of the downgradient monitoring wells at the closed C&D landfill exceeded their respective groundwater standards. Based on iron and manganese concentrations in recent samples from background well MW-10, the concentrations of iron and manganese in samples from downgradient wells appear to be naturally occurring.

Three NC Appendix I VOCs (chloromethane, tetrachloroethene, and trichlorofluoromethane in MW-12) were detected above their respective SWSLs during the September 2010 event at the closed C&D landfill. The concentration of tetrachloroethene in MW-12 exceeded the NC 2L Standard. Vinyl chloride was detected at a concentration that exceeded its 2L Standard, but was below its SWSL and is considered estimated. On September 28, 2010, an Alternate Source Demonstration (ASD) was submitted to the NC Department of Environment and Natural Resources (DENR) in response to recent detections of NC Appendix I VOCs. Based on the data and evaluations from the ASD, it is apparent that leachate from the facility's C&D disposal 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.

No NC Appendix I inorganic or organic constituents were detected in surface water monitoring points above their respective surface water standards during the September 2010 sampling event. Barium was detected above its SWSL in BR-2 and BR-3; and zinc above its SWSL in BR-3 and SW-1, which are generally consistent with historical concentrations for these monitoring points. Also, 1,4-dichlorobenzene was detected above the SWSL in the sample from BR-2, as it has been in previous events.

Based on these results, the uppermost aquifer beneath this facility 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. The next sampling event is tentatively scheduled for March 2011. Henderson County is continuing with groundwater assessment activities as presented in the Work Plan, approved by NC DENR on December 18, 2009. If you have any questions, please contact the undersigned at 336-852-4903.

GOLDER ASSOCIATES NC, INC.

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1.0 INTRODUCTION

This report summarizes the monitoring results from the September 21-23, 2010, 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 recently closed, unlined C&D facility; a closed, unlined facility formerly operated by the 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). No water quality monitoring is required or is being conducted for the TVA landfill.

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. Four surface water monitoring points, BR-1, BR-2, BR-3, and SW-1, are monitored semi-annually for NC Appendix I parameters.

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.

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 are 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.

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 2010 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 2010 groundwater surface contour map, the average hydraulic gradient in the shallow aquifer underlying the MSW landfill was calculated to be approximately 0.093 foot/foot (Table 2). The hydraulic gradient underlying the C&D landfill was calculated to be approximately 0.251 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 81 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 219 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 2010 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 2010 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. 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 10 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 2010 Groundwater and Surface Water Monitoring Event

Personnel from Golder visited the facility on September 21-23, 2010, to purge and sample the 12 monitoring wells at the closed MSW and C&D landfills and to sample four surface water monitoring points. 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.

The MSW monitoring wells MW-5, MW-6, MW-7, MW-8, AMW-1S, AMW-1D, AMW-2S, and AMW-2D 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.

During the purge, the laboratory-supplied sample containers were prepared. Each sample container was labeled with the sample identification number, sampling personnel, date and time of sample collection, project name and number, and requested chemical analyses.

The groundwater samples were collected directly from the bailer in the labeled, laboratory-supplied, pre-preserved sample containers after purging was completed. 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 were collected directly into stream flow, 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 2010 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 24, 2010, in good condition and properly preserved. Groundwater samples from the 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 I list of constituents plus indicator parameters and mercury specified in Title 15A NCAC 13B.0566. Surface water samples were analyzed for the NC Appendix I list of constituents.

2.5 September 2010 Sampling Results for the Closed MSW Landfill

Analytical results for the September 2010 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, four inorganic constituents (barium, 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 2010 monitoring event.

Seven NC Appendix I volatile organic constituents (VOCs) were detected above their respective SWSLs in one or more downgradient monitoring wells at the closed MSW landfill during the September 2010 event: chlorobenzene; 1,4-dichlorobenzene; cis-1,2-dichloroethene; ethylbenzene, toluene, total xylenes, and vinyl chloride.

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 2010 event. One VOC (1,4-dichlorobenzene) was detected above its SWSL in surface water point BR-2 during the sampling event, as it has been during previous events. No other inorganic or organic constituents were detected above the SWSLs during the September 2010 event.

2.6 September 2010 Sampling Results for the Closed C&D Landfill

Analytical results for the September 2010 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 at the closed C&D landfill in the sample from downgradient monitoring well MW-13 at a concentration above its respective SWSL during this event. The concentrations of the indicator metals iron and manganese in samples from all of the downgradient monitoring wells at the closed C&D landfill exceeded their respective SWSLs.

Three NC Appendix I VOCs (chloromethane, tetrachloroethene, and trichlorofluoromethane in MW-12) were detected above their respective SWSLs during the September 2010 event at the closed C&D landfill.

3.0 LABORATORY AND FIELD QA/QC

A field blank was collected by Golder personnel as part of the September 2010 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 2010 sampling event to and from the laboratory. ENCO

analyzed the field blank for the NC Appendix I list of parameters plus mercury, and the trip blank for NC Appendix I VOCs.

A review of the laboratory data was performed by Golder (Appendix B). Manganese was detected at estimated concentrations in the field blank and a method blank during this event. Based on Golder's review, no data qualification is necessary.

4.0 DATA EVALUATION

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

4.1 Statistical Evaluations

As discussed above, four inorganic constituents (barium, lead, mercury, and zinc) were detected above their respective SWSLs during the September 2010 event in samples from one or more downgradient wells of the MSW landfill. Pursuant to the requirements of 15A NCAC 13B.1634, the barium, lead, mercury, and zinc concentrations detected in the downgradient monitoring wells 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 detection of zinc in downgradient well MW-8 was determined to be statistically significant, though zinc has been detected in samples from other downgradient wells at similar concentrations during previous events. No other concentrations of inorganic constituents were determined to be statistically significant.

4.2 North Carolina Groundwater and Surface Water Quality Standard Comparisons

As presented in Tables 3 and 4, inorganic and organic constituents were detected at concentrations that exceeded their respective North Carolina 2L Groundwater Standards (2L Standards) or Solid Waste Section Groundwater Protection Standards (GWPSs) at the MSW and C&D landfills during the September 2010 monitoring event. At the MSW landfill, the concentration of barium exceeded the NC 2L Standard in the sample from MW-8. The concentrations of thallium and vanadium in MW-8 exceeded the 2L Standard and GWPS, respectively. Additionally, the concentration of vanadium in AMW-2S exceeded its GWPS; however, the concentrations of thallium and vanadium in MW-8 and AMW-2S were reported at estimated concentrations below the SWSL. No other NC Appendix I inorganic constituents exceeded their respective 2L Standard or GWPS during the September 2010 event for the MSW landfill.

Two NC Appendix I VOCs were detected at concentrations that exceeded their respective 2L Standards in samples from one or more downgradient monitoring wells: 1,4-dichlorobenzene in the samples from MW-6 and MW-7, and vinyl chloride in the sample from MW-7. These detected constituents and concentrations are generally consistent with reported concentrations during recent events at the closed MSW landfill.

At the closed C&D landfill, one NC Appendix I inorganic constituent, vanadium, exceeded its groundwater standard in the sample for upgradient well MW-10 during the September 2010 event. The detection of vanadium was an estimated concentration below the SWSL. Indicator parameters iron and manganese exceeded their respective 2L Standards in samples from each downgradient monitoring well at the C&D facility. Based on the concentrations of these constituents in the upgradient well in recent events, they appear to be naturally occurring.

Two NC Appendix I VOCs (tetrachloroethene and vinyl chloride) were reported above their 2L Standards in samples from MW-12 during the September 2010 event; however, the concentration of vinyl chloride was detected below the SWSL at an estimated concentration. This is the fifth consecutive event that tetrachloroethene has been detected in MW-12 above the 2L Standard. The exceedance of tetrachloroethene may be associated with landfill gas as discussed in an Alternate Source Demonstration (ASD) submitted to NC DENR on September 28, 2010.

No NC Appendix I inorganic or organic constituents were detected in surface water monitoring points above their respective surface water standards during the September 2010 sampling event.

5.0 CONCLUSIONS

Due to the continued presence of VOCs above applicable groundwater standards, Henderson County will continue to monitor the uppermost aquifer beneath this facility 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 NC DENR on December 18, 2009.

An ASD was submitted to NC DENR 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. The next compliance monitoring event for this facility is tentatively scheduled for March 2011.

6.0 REFERENCES

Butler, J.R., and D.T. Secor, Jr., 1991. The Central Piedmont (Chapter 4) in J.W. Horton, Jr. and V.A. Zullo, eds., *The Geology of the Carolinas* (Carolina Geological Society Fiftieth Anniversary Volume): The University of Tennessee Press, pp. 2, 4, 24, 36, 44-45.

Camp Dresser & McKee, December 2008. *October 2008 Semi-Annual Sampling Report, Stoney Mountain Road Sanitary Landfill*.

Camp Dresser & McKee, June 3, 2008. *Henderson County Closed Stoney Mountain Road Sanitary Landfill Additional Groundwater Assessment.*

Camp Dresser & McKee, May 9, 2008. *April 2008 Semi-Annual Sampling Report, Stoney Mountain Road Sanitary Landfill*.

Camp Dresser & McKee, September 26, 2008. *Henderson County Additional Groundwater Assessment Proposed Workplan*.

Golder Associates NC, Inc., September 17, 2009. *Groundwater Assessment Work Plan; Closed Henderson County Landfill, Permit No. 45-01; Henderson County, North Carolina*.

Golder Associates NC, Inc., September 28, 2010. *Alternate Source Demonstration: Anomalous Detections of Volatile Organic Compounds; Henderson County Closed Construction and Demolition Landfill, Permit No. 45-01.*

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	2260.01	2404.55	2297.01	2300.09	2300.24	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
MEAN	*2330.10*	*2189.98*	*2190.78*	*2208.87*	*2242.75*	*2368.73*	*2260.97*	*2247.97*	*2249.32*	*2179.12*	*2175.89*	*2169.88*	*2172.42*	*2200.37*	*2200.42*	*2171.24*	*2170.05*
MAXIMUM	*2342.62*	*2194.99*	*2193.88*	*2210.62*	*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*	*2185.22*	*2188.87*	*2206.91*	*2236.04*	*2363.04*	*2256.50*	*2244.43*	*2244.51*	*2175.87*	*2173.56*	*2168.25*	*2170.92*	*2199.72*	*2199.58*	*2163.77*	*2164.27*

Notes: ft AMSL = feet above mean sea level.
TOC = top of casing
-- = no data available
1) Historical data prior to March 2009 provided by Henderson County and CDM.

TABLE 2

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

September 2010							
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	1809	2340 / 2180	0.0884	0.15	1.26E-04	77.03
i_2	SSW	1242	2340 / 2220	0.0966	0.15	1.26E-04	84.19
i_3	WSW	398	2360 / 2260	0.2514	0.15	1.26E-04	219.03

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
Henderson County Closed MSW Landfill, Permit No. 45-01
Henderson County, North Carolina

Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	Upgradient Well MW-5	Downgradient Wells MW-6	MW-7	MW-8	MW-9	AMW-1S	AMW-1D	AMW-2S	AMW-2D	Blanks
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	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	0.91 J	ND	ND	--	--	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
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	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	10.1	ND	--	--	--
	ug/L	04/09/03	10	ND	ND	ND	ND	ND	ND	11.1	--	--	--
	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	ND	1.13 J	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	ND	3.64 J	10.5	ND
	ug/L	10/29/08	10	ND	13.9	7.18 J	ND	ND	ND	5.98 J	5.38 J	2.96 J	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
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	ND	258	--	--	--	--
	ug/L	11/07/00	100	ND	ND	ND	ND	ND	--	--	--	--	--
	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	49.9 J	306	27.2 J	--	--	ND
	ug/L	10/02/07	100	135	904	198	695	54.3 B	563	37.4 B	--	--	16.1 J
	ug/L	04/03/08	100	87.8 J	86.8 J	144	714	65.9 J	476	20.3 B	44.3 B	39.4 B	10.1 J
	ug/L	10/29/08	100	69.9 J	795	227	429	62.1 J	930	28.2	24.9 J	19.4 J	ND
	ug/L	03/24/09	100	26.2 J	54.5 J	203	517	56.7 J	221	19.0 J	15.4 J	ND	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
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	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	ND	5.1 J	ND	--	--	ND
	ug/L	10/02/07	1	ND	ND	ND	ND	22.8 B	ND	ND	--	--	6.01
	ug/L	04/03/08	1	1.07	2.8	6.28	ND	1.54	5.41	3.2	ND	2.33	ND
	ug/L	10/29/08	1	4.60	5.96	2.23	10.2	11.2	10.7	5.45	10.7	2.23	ND
	ug/L	03/24/09	1	0.35 J	0.20 J	0.82 J	3.02	0.35 J	1.30	ND	0.18 J	ND	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

TABLE 3

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

				Upgradient Well	Downgradient Wells								Blanks
Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	MW-5	MW-6	MW-7	MW-8	MW-9	AMW-1S	AMW-1D	AMW-2S	AMW-2D	
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	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	ND	1	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	ND	2.57	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	1.4 J	2.5 J	1.38 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	ND	0.29 J	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	ND	0.61 J	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
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	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	1.44 J	2.7 J	1.29 J	--	--	ND
	ug/L	10/02/07	10	9.55 B	9.44 B	7.31 B	4.47 B	3.67 B	5.99 B	12.3 B	--	--	3.67 J
	ug/L	04/03/08	10	6.54 B	4.93 B	4.18 B	4.42 B	2.45 B	4.18 B	3.31 B	4.18 B	130	2.94 J
	ug/L	10/29/08	10	7.45 J	35.5	8.07 J	6.10 J	4.63 J	8.55	11.3	5.24 J	13.7	ND
	ug/L	03/24/09	10	ND	1.0 J	1.6 J	4.0 J	ND	1.2 J	ND	ND	1.5 J	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
Cobalt	ug/L	12/05/94	10	ND	41	ND	ND	ND	--	--	--	--	--
SWS GPS = 70 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	ND	14.3	--	--	--	--
	ug/L	11/07/00	10	ND	ND	ND	ND	ND	--	--	--	--	--
	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	ND	16.1	ND	--	--	--
	ug/L	10/01/02	10	ND	11.4	ND	ND	ND	11.7	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	--	ND	13.4	ND	--	--	--
	ug/L	10/04/05	10	ND	23.5	16.2	ND	ND	16.1	ND	--	--	--
	ug/L	04/25/06	10	ND	18.8	13.9	ND	ND	16.1	ND	--	--	--
	ug/L	10/04/06	10	ND	15.4	13.4	ND	ND	18.9	ND	--	--	ND
	ug/L	03/21/07	10	1.13 J	11.3	12.6	1.5 J	ND	16.2	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	ND	15.1	ND	12.5	ND	ND
	ug/L	10/29/08	10	3.55 J	35.9	5.16 J	3.74 J	ND	24.8	ND	3.91 J	ND	ND
	ug/L	03/24/09	10	0.6 J	3.1 J	ND	5.8 J	ND	10.7	ND	4.0 J	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
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	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	9.92 J	5.41 J	5.15 J	--	--	ND
	ug/L	10/02/07	10	33.9	16.7 B	6.61 B	7.24 B	5.94 B	9.14 B	6.91 B	--	--	6.41 J
	ug/L	04/03/08	10	23.4	23.9	4.54 B	6.53 B	4.58 B	5.54 B	5.75 B	5.89 B	10.6 B	4.46 J
	ug/L	10/29/08	10	16.5	145	7.91 J	8.17 J	6.28 J	8.61	9.49	6.93 J	7.82 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

TABLE 3

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

				Upgradient Well	Downgradient Wells								Blanks
Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	MW-5	MW-6	MW-7	MW-8	MW-9	AMW-1S	AMW-1D	AMW-2S	AMW-2D	
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	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	1.9 J	3.14 J	ND	--	--	ND
	ug/L	10/02/07	10	69.2 J	7.18 J	1.39 B	0.9 B	0.57 B	0.80 B	0.56 B	--	--	0.49 J
	ug/L	04/03/08	10	75.8 J	16.4	ND	8 J	6.23 J	6.43 J	3.78 J	6.16 J	12.5	ND
	ug/L	10/29/08	10	75.9 J	84.7	7.72 J	6.83 J	4.54 J	9.41	9.08	8.50 J	6.93 J	ND
	ug/L	03/24/09	10	3.3 J	5.6 J	1.6 J	6.2 J	ND	2.5 J	1.6 J	3.1 J	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
Mercury	ug/L	10/30/95	0.2	0.5	ND	0.9	0.9	0.8	--	--	--	--	--
NC 2L = 1 ug/L	ug/L	10/24/96	0.2	0.7	--	ND	ND	ND	--	--	--	--	--
	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	05/15/01	0.2	ND	ND	0.4	ND	ND	--	--	--	--	--
	ug/L	10/16/01	0.2	ND	ND	0.3	0.3	0.3	--	ND	--	--	--
	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	0.3	ND	ND	--	--	--
	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	0.14 J	ND	ND	ND	ND	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	--	--	--	--	--	--
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	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	0.24 B	4.65 J	8.72 J	--	--	0.8 J
	ug/L	04/03/08	50	ND	ND	ND	ND	ND	ND	ND	5.89 J	7.09 J	ND
	ug/L	10/29/08	50	ND	47.3 J	ND	ND	ND	8.13 J	7.57 J	6.40 J	4.99 J	ND
	ug/L	03/24/09	50	ND	3.9 J	ND	2.8 J	ND	2.5 J	0.9 J	2.2 J	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
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	05/15/01	10	ND	24.7	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	10	ND	ND	ND	ND	ND	--	20.6	--	--	--
	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	8.68 J	ND	ND	--	--	ND
	ug/L	04/03/08	10	ND	10.7	ND	ND	ND	10.9	ND	9.54 J	7.51 J	ND
	ug/L	10/29/08	10	ND	37.5	ND	ND	ND	1.94	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

TABLE 3

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

				Upgradient Well	Downgradient Wells								
Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	MW-5	MW-6	MW-7	MW-8	MW-9	AMW-1S	AMW-1D	AMW-2S	AMW-2D	Blanks
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	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	3.18 J	1.14 J	0.46 J	--	--	ND
	ug/L	10/02/07	10	ND	1.82 J	0.91 J	ND	ND	0.86 J	ND	--	--	ND
	ug/L	04/03/08	10	ND	0.97 J	2.04 J	ND	ND	0.94 J	ND	1.48 J	ND	ND
	ug/L	10/29/08	10	4.74 J	6.91 J	5.23 J	5.00 J	5.24 J	6.32 J	5.19 J	4.91 J	4.33 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
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	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	ND	9.61	ND	--	--	ND
	ug/L	03/24/09	5.5	0.051 B	0.090 B	0.080 B	0.242 B	ND	0.280 B	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
Tin	ug/L	10/30/95	--	ND	ND	ND	ND	ND	--	--	--	--	--
No Standard	ug/L	10/24/96	--	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	--	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	03/24/09	100	ND	ND	1.4 J	5.4 J	ND	1.3 J	2.0 J	1.5 J	ND	ND
	ug/L	03/22/10	100	ND	Dry	ND	2.38 J	--	--	--	--	--	ND
Vanadium	ug/L	12/05/94	25	ND	ND	ND	ND	ND	--	--	--	--	--
SWS GPS = 3.5 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	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	ND	5.13 J	ND
	ug/L	10/29/08	25	4.88 J	88.9	10.3 J	0.52 J	ND	1.37 J	3.74 J	0.86 J	ND	ND
	ug/L	03/24/09	25	2.2 J	3.2 J	1.7 J	9.0 J	0.7 J	ND	ND	3.0 J	0.9 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
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	ND	20.6	--	--	--	--
	ug/L	11/07/00	10	ND	ND	ND	ND	ND	--	--	--	--	--
	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	7.14 J	12.1 J	3.82 J	--	--	ND
	ug/L	10/02/07	10	44	49.1	12.6 J	5.43 J	4.53 J	6.23 J	ND	--	--	ND
	ug/L	04/03/08	10	31.9	46	5.82 J	10.4	5.53 J	4.83 J	4.06 J	14.1	27.7	ND
	ug/L	10/29/08	10	20.1	380	29.0	6.90 J	6.63 J	5.37 J	ND	5.37 J	ND	ND
	ug/L	03/24/09	10	10.7 B	56.3	9.3 B	38.3	4.1 B	4.1 B	3.4 B	7.7 B	ND	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

TABLE 3

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

				Upgradient Well	Downgradient Wells								Blanks
Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	MW-5	MW-6	MW-7	MW-8	MW-9	AMW-1S	AMW-1D	AMW-2S	AMW-2D	
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	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	ND	1.76 B	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	ND	7.95 J	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
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	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
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	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	ND	0.44 J	1.52	--	--	ND
	ug/L	10/02/07	5	ND	5.47	1.70	4.99	ND	1.68	1.55	--	--	ND
	ug/L	04/03/08	5	ND	0.37 J	1.57	5.82	ND	0.98 J	1.48	1.28	ND	ND
	ug/L	10/29/08	5	ND	3.08	1.51	6.23	ND	2.13	1.49	1.25	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
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	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

TABLE 3

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

				Upgradient Well	Downgradient Wells								Blanks
Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	MW-5	MW-6	MW-7	MW-8	MW-9	AMW-1S	AMW-1D	AMW-2S	AMW-2D	
Carbon tetrachloride	ug/L	02/14/95	1	ND	ND	ND	ND	ND	--	--	--	--	--
NC 2L = 0.3 ug/L	ug/L	04/03/95	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/30/95	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	12/05/95	1	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/08/96	1	ND	ND	ND	2	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	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	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
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	ND	8	--	--	--	--
	ug/L	11/07/00	5	ND	7	ND	ND	ND	--	--	--	--	--
	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	ND	7	ND	--	--	--
	ug/L	10/01/02	5	ND	8	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/09/03	5	ND	ND	ND	ND	ND	6	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	--	ND	6.12	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	ND	9.62	ND	--	--	--
	ug/L	10/04/06	5	ND	9	6	ND	ND	16.2	ND	--	--	ND
	ug/L	03/21/07	5	ND	1.34	5.89	0.59 J	ND	2.83	4.62	--	--	ND
	ug/L	10/02/07	5	ND	6.16	5.95	0.83 J	ND	ND	5.13	--	--	ND
	ug/L	04/03/08	5	ND	0.30 J	5.72	1.14 J	ND	11.3	5.01	4.50	ND	ND
	ug/L	10/29/08	5	ND	8.02	5.41	1.11 J	ND	23.8	5.09	1.86 J	ND	ND
	ug/L	03/24/09	3	ND	ND	4.6	ND	ND	0.46 J	3.8	2.0 J	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
Chloroethane	ug/L	12/05/94	10	ND	ND	ND	ND	ND	--	--	--	--	--
SWS GPS = 2800 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	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	ND	11.1	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
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	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	ND	0.62 J	--	--	ND
	ug/L	10/02/07	5	ND	2.52 J	0.56 J	0.94 J	ND	0.44 J	0.67 J	--	--	ND
	ug/L	04/03/08	5	ND	ND	0.46 J	1.35 J	ND	0.23 J	0.65 J	0.27 J	ND	ND
	ug/L	10/29/08	5	ND	1.98 J	0.45 J	1.12 J	ND	0.52 J	0.63 J	0.29 J	ND	ND
	ug/L	03/24/09	5	ND	ND	ND	0.44 J	ND	ND	0.53 J	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
1,3-Dichlorobenzene	ug/L	10/30/95	5	ND	ND	ND	ND	ND	--	--	--	--	--
NC 2L = 170 ug/L	ug/L	10/24/96	5	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/97	5	ND	ND	9	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	05/25/05	5	--	--	--	--	ND	--	--	--	--	--
	ug/L	10/04/05	5	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	0.22 J	ND	ND	ND	ND	ND	ND	ND
	ug/L	10/29/08	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 3

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

				Upgradient Well	Downgradient Wells								Blanks
Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	MW-5	MW-6	MW-7	MW-8	MW-9	AMW-1S	AMW-1D	AMW-2S	AMW-2D	
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	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	ND	1.37	2.86 J	--	--	ND
	ug/L	10/02/07	5	ND	18.7	12.0	3.64 J	ND	3.24 J	2.99 J	--	--	ND
	ug/L	04/03/08	5	ND	0.38 J	8.37	4.50 J	ND	1.57 J	2.77 J	2.11 J	ND	ND
	ug/L	10/29/08	5	ND	23.9	7.81	4.44 J	ND	4.11 J	2.96 J	1.66 J	ND	ND
	ug/L	03/24/09	1	ND	ND	6.4	1.3	ND	0.57 J	2.6	1.4	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
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	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	0.45 J	ND	ND	ND	ND	ND
	ug/L	03/24/09	5	ND	ND	ND	ND	ND	ND	0.55 J	0.86 J	ND	ND
	ug/L	03/22/10	5	ND	Dry	ND	ND	--	-	-	-	-	ND
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	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	ND	1.31	--	--	ND
	ug/L	10/02/07	5	ND	0.45 J	1.66 J	9.7	ND	0.1 J	1.27 J	--	--	ND
	ug/L	04/03/08	5	ND	ND	1.72 J	13.1	ND	ND	1.36 J	0.98 J	ND	ND
	ug/L	10/29/08	5	ND	0.40 J	1.32 J	13.5	0.11 J	ND	1.36 J	1.33 J	ND	ND
	ug/L	03/24/09	5	ND	ND	0.83 J	3.6 J	ND	ND	1.2 J	1.1 J	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
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	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

TABLE 3

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

				Upgradient Well	Downgradient Wells								Blanks
Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	MW-5	MW-6	MW-7	MW-8	MW-9	AMW-1S	AMW-1D	AMW-2S	AMW-2D	
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	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
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	16	ND	--	--	--	--
	ug/L	11/07/00	5	ND	ND	15	ND	12	--	--	--	--	--
	ug/L	05/15/01	5	ND	ND	14	7	8	--	--	--	--	--
	ug/L	10/16/01	5	ND	ND	13	ND	10	--	ND	--	--	--
	ug/L	04/24/02	5	ND	ND	15	11	6	ND	ND	--	--	--
	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	ND	2.3	--	--	ND
	ug/L	10/02/07	5	ND	1.19 J	12.4 J	23.9 J	ND	0.71 J	2.14 J	--	--	ND
	ug/L	04/03/08	5	ND	0.05 J	12.2	30.6	ND	0.35 J	2.25 J	1.85 J	ND	ND
	ug/L	10/29/08	5	ND	0.2 J	9.8	28.9	0.24 J	0.27 J	2.27 J	2.36 J	ND	ND
	ug/L	03/24/09	5	ND	ND	4.9 J	7.4	ND	ND	1.7 J	1.7 J	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
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	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
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	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	ND	0.17 J	--	--	ND
	ug/L	04/03/08	1	ND	ND	ND	ND	ND	ND	ND	0.12 J	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

TABLE 3

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

Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	Upgradient Well MW-5	Downgradient Wells MW-6	MW-7	MW-8	MW-9	AMW-1S	AMW-1D	AMW-2S	AMW-2D	Blanks
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	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
2-Hexanone	ug/L	12/05/94	50	ND	ND	ND	ND	ND	--	--	--	--	--
SWS GPS = 280 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	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	55	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	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	10/02/07	50	ND	ND	ND	ND	ND	ND	ND	--	--	ND
	ug/L	04/03/08	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	10/29/08	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	03/24/09	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	50	ND	ND	ND	ND	--	ND	ND	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
Dibromomethane	ug/L	12/05/94	10	ND	ND	ND	ND	ND	--	--	--	--	--
No Standard	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	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
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	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	ND	0.24 J	--	--	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	ND	3.10 J	0.42 J
	ug/L	10/29/08	10	ND	ND	0.27 J	33.7	0.75 J	ND	0.42 J	0.92 J	ND	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

TABLE 3

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

				Upgradient Well	Downgradient Wells								Blanks
Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	MW-5	MW-6	MW-7	MW-8	MW-9	AMW-1S	AMW-1D	AMW-2S	AMW-2D	
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	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
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	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
Naphthalene	ug/L	10/30/95	5	ND	ND	ND	ND	ND	--	--	--	--	--
NC 2L = 6 ug/L	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	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	03/22/10	10	ND	Dry	ND	ND	--	--	--	--	--	ND
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	30	ND	--	--	--	--
	ug/L	11/07/00	1	ND	ND	ND	54	36	--	--	--	--	--
	ug/L	05/15/01	1	ND	ND	ND	110	24	--	--	--	--	--
	ug/L	10/16/01	1	ND	ND	ND	44	11	--	ND	--	--	--
	ug/L	04/24/02	1	ND	ND	ND	170	24	ND	ND	--	--	--
	ug/L	10/01/02	1	ND	ND	ND	110	20	ND	ND	--	--	--
	ug/L	04/09/03	1	ND	ND	ND	120	11	ND	ND	--	--	--
	ug/L	10/20/03	1	ND	ND	ND	61	8	ND	ND	--	--	--
	ug/L	03/24/04	1	ND	ND	ND	32	8.12	ND	ND	--	--	--
	ug/L	10/27/04	1	ND	ND	ND	52	6.96	ND	ND	--	--	--
	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	2.17	ND	ND	--	--	ND
	ug/L	10/02/07	1	ND	ND	ND	42.1	1.79 J	ND	ND	--	--	ND
	ug/L	04/03/08	1	ND	ND	ND	47.9	2.32 J	ND	ND	ND	ND	ND
	ug/L	10/29/08	1	ND	ND	ND	48.5	1.98	ND	ND	ND	ND	ND
	ug/L	03/24/09	1	ND	ND	ND	8.7	2.7	ND	ND	ND	ND	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

TABLE 3

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

Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	Upgradient Well MW-5	Downgradient Wells MW-6	MW-7	MW-8	MW-9	AMW-1S	AMW-1D	AMW-2S	AMW-2D	Blanks
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	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
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	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
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	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	ND	0.31 J	--	--	ND
	ug/L	10/02/07	1	ND	ND	0.41 J	15.5	ND	ND	0.3 J	--	--	ND
	ug/L	04/03/08	1	ND	ND	0.47 J	18.1	ND	ND	0.28 J	0.30 J	ND	ND
	ug/L	10/29/08	1	ND	ND	0.32 J	18.2	0.16 J	ND	0.33 J	0.45 J	ND	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
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	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

TABLE 3

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

				Upgradient Well	Downgradient Wells								Blanks
Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	MW-5	MW-6	MW-7	MW-8	MW-9	AMW-1S	AMW-1D	AMW-2S	AMW-2D	
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	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	2.23 J	ND	ND	--	--	ND
	ug/L	04/03/08	1	ND	ND	ND	ND	1.63 J	ND	ND	ND	ND	ND
	ug/L	10/29/08	1	ND	ND	ND	ND	4.43	ND	ND	ND	ND	ND
	ug/L	03/24/09	1	ND	ND	ND	ND	2.2	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
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	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	ND	0.94 J	--	--	ND
	ug/L	10/02/07	1	ND	1.03 J	2.68 J	0.31 J	ND	ND	0.89 J	--	--	ND
	ug/L	04/03/08	1	ND	ND	2.94 J	ND	ND	ND	0.98 J	0.59 J	ND	ND
	ug/L	10/29/08	1	ND	0.25 J	2.36	0.49 J	ND	ND	0.82 J	0.57 J	ND	ND
	ug/L	03/24/09	1	ND	ND	1.5	ND	ND	ND	0.60 J	0.53 J	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
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	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
2-Methylphenol (o-Cresol)	ug/L	10/29/97	--	ND	120	ND	ND	ND	--	--	--	--	--
SWS GPS = 35 ug/L	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	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	03/22/10	10	ND	Dry	ND	ND	--	--	--	--	--	ND
Diethylphthalate	ug/L	10/29/97	--	ND	ND	ND	ND	ND	--	--	--	--	--
NC 2L = 6000 ug/L	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	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	1.5 J	ND	ND
	ug/L	03/22/10	10	ND	Dry	ND	ND	--	--	--	--	--	ND

Golder Associates

TABLE 3

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

				Upgradient Well	Downgradient Wells								Blanks
Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	MW-5	MW-6	MW-7	MW-8	MW-9	AMW-1S	AMW-1D	AMW-2S	AMW-2D	
2,4-dimethylphenol	ug/L	10/29/97	--	ND	ND	ND	ND	ND	--	--	--	--	--
NC 2L = 100 ug/L	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	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	03/22/10	10	ND	Dry	ND	ND	--	--	--	--	--	ND
Phenol	ug/L	10/30/95	--	ND	ND	ND	ND	ND	--	--	--	--	--
NC 2L = 30 ug/L	ug/L	10/24/96	--	ND	--	ND	ND	ND	--	--	--	--	--
	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	ND	15	--	--	--	--
	ug/L	11/07/00	--	ND	ND	ND	ND	ND	ND	--	--	--	--
	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	03/22/10	10	ND	Dry	ND	ND	--	--	--	--	--	ND
3 &4-methylphenol (m-Cresol & p-Cresol)	ug/L	10/29/97	--	ND	140	ND	ND	ND	--	--	--	--	--
NC 2L Standard = 400/40 ug/L	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	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	03/22/10	10	ND	Dry	ND	ND	--	--	--	--	--	ND
pH (field)	S.U.	10/04/06	--	5.81	6.06	5.54	5.90	5.35	6.17	6.15	--	--	--
	S.U.	03/21/07	--	--	--	--	--	--	--	--	--	--	--
	S.U.	10/02/07	--	5.60	5.88	5.28	5.23	5.37	5.81	5.90	--	--	--
	S.U.	04/03/08	--	5.76	6.05	5.30	5.63	4.93	6.00	5.95	--	--	--
	S.U.	10/29/08	--	--	--	--	--	--	--	--	--	--	--
	S.U.	03/24/09	--	6.94	6.43	6.42	6.64	6.31	6.21	6.82	7.11	7.56	--
	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	--
Conductivity (field)	uS/cm	10/04/06	--	90	953	319	530	56	531	395	--	--	--
	uS/cm	03/21/07	--	--	--	--	--	--	--	--	--	--	--
	uS/cm	10/02/07	--	115	451	189	319	85	715	597	--	--	--
	uS/cm	04/03/08	--	98	250	197	552	59	597	585	--	--	--
	uS/cm	10/29/08	--	--	--	--	--	--	--	--	--	--	--
	uS/cm	03/24/09	--	110	150	330	730	120	200	650	610	130	--
	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	--
Temperature (field)	Celsius	10/04/06	--	13.8	16.6	18.0	15.7	13.7	15.4	14.7	--	--	--
	Celsius	03/21/07	--	--	--	--	--	--	--	--	--	--	--
	Celsius	10/02/07	--	14.1	17.4	17.9	16.0	13.6	15.1	14.8	--	--	--
	Celsius	04/03/08	--	13.2	12.1	16.5	15.5	13.1	13.0	12.4	--	--	--
	Celsius	10/29/08	--	--	--	--	--	--	--	--	--	--	--
	Celsius	03/24/09	--	12.6	14.9	18.5	17.3	13.7	17.6	16.8	13.6	11.9	--
	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	--
Turbidity (field)	NTU	03/24/09	--	59	60.5	29.1	83.9	9.04	18.8	4.37	41.1	17.2	--
	NTU	09/22/09	--	39.1	11.6	23.7	97.6	--	20.2	6.68	91	46.0	--
	NTU	03/22/10	--	73.8	Dry	17	33.8	--	19	9.68	24.8	18.4	--
	NTU	09/23/10	--	48.4	11	24.3	51.1	--	12.8	4.35	34.2	6.63	--

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
Arsenic	µg/L	06/21/01	10	ND	ND	ND	ND	--
NC 2L = 10 ug/L	µg/L	04/24/02	10	ND	ND	ND	ND	--
	µg/L	10/01/02	10	ND	ND	ND	ND	--
	µg/L	04/10/03	10	ND	ND	ND	ND	--
	µg/L	10/20/03	10	ND	ND	ND	ND	--
	µg/L	03/24/04	10	ND	ND	ND	ND	--
	µg/L	10/27/04	10	ND	ND	ND	ND	--
	µg/L	05/25/05	10	ND	ND	ND	ND	--
	µg/L	10/05/05	10	ND	ND	ND	ND	--
	µg/L	04/25/06	10	ND	ND	ND	ND	--
	µg/L	10/05/06	10	ND	ND	ND	ND	ND
	µg/L	03/21/07	10	ND	ND	ND	ND	ND
	µg/L	10/02/07	10	2.79 J	ND	ND	4.85 J	ND
	µg/L	04/01/08	10	10.1	3.01 J	6.29 J	9.48 J	ND
	µg/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
Barium	µg/L	06/21/01	100	ND	ND	ND	ND	--
NC 2L = 700 ug/L	µg/L	04/24/02	100	278	ND	306	ND	--
	µg/L	10/01/02	100	ND	ND	ND	ND	--
	µg/L	04/10/03	100	ND	ND	ND	ND	--
	µg/L	10/20/03	100	ND	ND	ND	ND	--
	µg/L	03/24/04	100	ND	ND	ND	ND	--
	µg/L	10/27/04	100	ND	ND	ND	ND	--
	µg/L	05/25/05	100	ND	ND	ND	ND	--
	µg/L	10/05/05	100	ND	ND	ND	ND	--
	µg/L	04/25/06	100	ND	ND	ND	ND	--
	µg/L	10/05/06	100	ND	ND	ND	ND	ND
	µg/L	03/21/07	100	19.5 J	25.0 J	19.7 J	20.0 J	ND
	µg/L	10/02/07	100	12.0 J	24.7 J	15.6 J	28.2 J	ND
	µg/L	04/01/08	100	49.5 J	63.1 J	27.6 J	153	ND
	µg/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
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
Cadmium	µg/L	06/21/01	1	ND	ND	ND	ND	--
NC 2L = 2 ug/L	µg/L	04/24/02	1	ND	ND	ND	ND	--
	µg/L	10/01/02	1	ND	ND	ND	ND	--
	µg/L	04/10/03	1	ND	ND	ND	ND	--
	µg/L	10/20/03	1	ND	ND	ND	ND	--
	µg/L	03/24/04	1	ND	ND	ND	ND	--
	µg/L	10/27/04	1	ND	ND	ND	ND	--
	µg/L	05/25/05	1	ND	ND	ND	ND	--
	µg/L	10/05/05	1	ND	ND	ND	ND	--
	µg/L	04/25/06	1	ND	ND	ND	ND	--
	µg/L	10/05/06	1	ND	ND	ND	ND	ND
	µg/L	03/21/07	1	0.750 J	1.31 J	2.31 J	2.15 J	ND
	µg/L	10/02/07	1	ND	ND	2.90 J	ND	ND
	µg/L	04/01/08	1	ND	ND	ND	0.53 J	ND
	µg/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

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	µg/L	06/21/01	10	ND		ND		ND		23.8		--
NC 2L = 10 ug/L	µg/L	04/24/02	10	ND		ND		ND		ND		--
	µg/L	10/01/02	10	ND		ND		ND		ND		--
	µg/L	04/10/03	10	ND		ND		ND		ND		--
	µg/L	10/20/03	10	ND		ND		ND		13.5		--
	µg/L	03/24/04	10	ND		ND		ND		12.8		--
	µg/L	10/27/04	10	ND		ND		ND		ND		--
	µg/L	05/25/05	10	ND		ND		ND		ND		--
	µg/L	10/05/05	10	ND		ND		ND		ND		--
	µg/L	04/25/06	10	ND		ND		ND		ND		--
	µg/L	10/05/06	10	ND		ND		ND		ND		ND
	µg/L	03/21/07	10	3.41	J	3.26	J	3.55	J	2.97	J	ND
	µg/L	10/02/07	10	2.28	J	1.17	J	2.08	J	3.80	J	ND
	µg/L	04/01/08	10	5.80	J	3.56	J	3.07	J	103		ND
	µg/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
Cobalt	ug/L	03/24/09	10	0.8	J	ND		1.1	J	ND		ND
SWS GPS = 70 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
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
Lead	µg/L	06/21/01	10	14.2		ND		ND		10.4		--
NC 2L = 15 ug/L	µg/L	04/24/02	10	ND		ND		ND		ND		--
	µg/L	10/01/02	10	ND		ND		ND		ND		--
	µg/L	04/10/03	10	ND		ND		ND		ND		--
	µg/L	10/20/03	10	ND		ND		ND		ND		--
	µg/L	03/24/04	10	ND		ND		ND		ND		--
	µg/L	10/27/04	10	ND		ND		ND		ND		--
	µg/L	05/25/05	10	10.3		ND		ND		ND		--
	µg/L	10/05/05	10	ND		ND		ND		ND		--
	µg/L	04/25/06	10	ND		ND		ND		ND		--
	µg/L	10/05/06	10	ND		ND		ND		ND		ND
	µg/L	03/21/07	10	3.32	J	3.57	J	2.12	J	ND		ND
	µg/L	10/02/07	10	ND		ND		ND		ND		ND
	µg/L	04/01/08	10	13.1		9.16	J	ND		25.1		ND
	µg/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
Mercury	µg/L	06/21/01	0.2	ND		ND		ND		ND		--
NC 2L = 1 ug/L	µg/L	04/24/02	0.2	ND		ND		ND		ND		--
	µg/L	10/01/02	0.2	ND		ND		ND		ND		--
	µg/L	04/10/03	0.2	ND		ND		ND		ND		--
	µg/L	10/20/03	0.2	ND		ND		ND		ND		--
	µg/L	03/24/04	0.2	ND		ND		ND		ND		--
	µg/L	10/27/04	0.2	ND		ND		ND		ND		--
	µg/L	05/25/05	0.2	ND		ND		ND		ND		--
	µg/L	10/05/05	0.2	ND		ND		ND		ND		--
	µg/L	04/25/06	0.2	ND		ND		ND		ND		--
	µg/L	10/05/06	0.2	ND		ND		ND		ND		ND
	µg/L	03/21/07	0.2	ND		ND		0.093	J	ND		ND
	µg/L	10/02/07	0.2	ND		ND		0.136	J	ND		ND
	µg/L	04/01/08	0.2	ND		ND		0.096	J	ND		ND
	µg/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
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

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	µg/L	06/21/01	10	ND		ND		ND		ND		--	
NC 2L = 20 ug/L	µg/L	04/24/02	10	ND		ND		ND		ND		--	
	µg/L	10/01/02	10	ND		ND		ND		ND		--	
	µg/L	04/10/03	10	ND		ND		ND		ND		--	
	µg/L	10/20/03	10	ND		ND		ND		ND		--	
	µg/L	03/24/04	10	ND		ND		ND		ND		--	
	µg/L	10/27/04	10	ND		ND		ND		ND		--	
	µg/L	05/25/05	10	ND		ND		ND		ND		--	
	µg/L	10/05/05	10	ND		ND		ND		ND		--	
	µg/L	04/25/06	10	ND		ND		ND		ND		--	
	µg/L	10/05/06	10	ND		ND		ND		ND		ND	
	µg/L	03/21/07	10	ND		ND		ND		10.2	J	ND	
	µg/L	10/02/07	10	ND		ND		ND		ND		ND	
	µg/L	04/01/08	10	ND		ND		ND		19.2		ND	
	µg/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	
Silver	µg/L	06/21/01	10	ND		ND		ND		ND		--	
NC 2L = 20 ug/L	µg/L	04/24/02	10	ND		ND		ND		ND		--	
	µg/L	10/01/02	10	ND		ND		ND		ND		--	
	µg/L	04/10/03	10	ND		ND		ND		ND		--	
	µg/L	10/20/03	10	ND		ND		ND		ND		--	
	µg/L	03/24/04	10	ND		ND		ND		ND		--	
	µg/L	10/27/04	10	ND		ND		ND		ND		--	
	µg/L	05/25/05	10	ND		ND		ND		ND		--	
	µg/L	10/05/05	10	ND		ND		ND		ND		--	
	µg/L	04/25/06	10	ND		ND		ND		ND		--	
	µg/L	10/05/06	10	ND		ND		ND		ND		ND	
	µg/L	03/21/07	10	3.49	J	3.41	J	3.04	J	2.96	J	ND	
	µg/L	10/02/07	10	ND		ND		ND		ND		ND	
	µg/L	04/01/08	10	4.12	J	4.48	J	4.07	J	3.65	J	ND	
	µg/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	
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	
Vanadium	ug/L	03/24/09	25	4.9	J	1.0	J	6.5	J	3.3	J	ND	
SWS GPS = 3.5 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	
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	
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	
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
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	

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	µg/L	06/21/01	1	ND	ND	ND	ND	--
NC 2L = 1 ug/L	µg/L	04/24/02	1	ND	ND	ND	ND	--
	µg/L	10/01/02	1	ND	ND	ND	ND	--
	µg/L	04/10/03	1	ND	ND	ND	ND	--
	µg/L	10/20/03	1	ND	ND	ND	ND	--
	µg/L	03/24/04	1	ND	ND	ND	ND	--
	µg/L	10/27/04	1	ND	ND	ND	ND	--
	µg/L	05/25/05	1	ND	ND	ND	ND	--
	µg/L	10/05/05	1	ND	ND	ND	ND	--
	µg/L	04/25/06	1	ND	ND	ND	ND	--
	µg/L	10/05/06	1	ND	ND	ND	ND	ND
	µg/L	03/21/07	1	ND	ND	ND	ND	ND
	µg/L	10/02/07	1	ND	ND	0.15 J	ND	ND
	µg/L	04/01/08	1	ND	ND	0.28 J	ND	ND
	µg/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
Chloroethane	µg/L	06/21/01	10	ND	ND	ND	ND	--
SWS GPS = 2800 ug/L	µg/L	04/24/02	10	ND	ND	ND	ND	--
	µg/L	10/01/02	10	ND	ND	ND	ND	--
	µg/L	04/10/03	10	ND	ND	ND	ND	--
	µg/L	10/20/03	10	ND	ND	ND	ND	--
	µg/L	03/24/04	10	ND	ND	ND	ND	--
	µg/L	10/27/04	10	ND	ND	ND	ND	--
	µg/L	05/25/05	10	ND	ND	ND	ND	--
	µg/L	10/05/05	10	ND	ND	ND	ND	--
	µg/L	04/25/06	10	ND	ND	ND	ND	--
	µg/L	10/05/06	10	ND	ND	ND	ND	ND
	µg/L	03/21/07	10	ND	ND	0.84 J	ND	ND
	µg/L	10/02/07	10	ND	ND	1.08 J	ND	ND
	µg/L	04/01/08	10	ND	ND	ND	ND	ND
	µg/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
1,4-Dichlorobenzene	µg/L	06/21/01	1	ND	ND	ND	ND	--
NC 2L = 6 ug/L	µg/L	04/24/02	1	ND	ND	ND	ND	--
	µg/L	10/01/02	1	ND	ND	ND	ND	--
	µg/L	04/10/03	1	ND	ND	ND	ND	--
	µg/L	10/20/03	1	ND	ND	ND	ND	--
	µg/L	03/24/04	1	ND	ND	ND	ND	--
	µg/L	10/27/04	1	ND	ND	ND	ND	--
	µg/L	05/25/05	1	ND	ND	ND	ND	--
	µg/L	10/05/05	1	ND	ND	ND	ND	--
	µg/L	04/25/06	1	ND	ND	ND	ND	--
	µg/L	10/05/06	1	ND	ND	ND	ND	ND
	µg/L	03/21/07	1	ND	ND	0.21 J	ND	ND
	µg/L	10/02/07	1	ND	ND	0.23 J	0.23 J	ND
	µg/L	04/01/08	1	ND	ND	0.26 J	ND	ND
	µg/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
1,1-Dichloroethane	µg/L	06/21/01	5	ND	ND	ND	ND	--
NC 2L = 6 ug/L	µg/L	04/24/02	5	ND	ND	ND	ND	--
	µg/L	10/01/02	5	ND	ND	ND	ND	--
	µg/L	04/10/03	5	ND	ND	ND	ND	--
	µg/L	10/20/03	5	ND	ND	ND	ND	--
	µg/L	03/24/04	5	ND	ND	ND	ND	--
	µg/L	10/27/04	5	ND	ND	ND	ND	--
	µg/L	05/25/05	5	ND	ND	ND	ND	--
	µg/L	10/05/05	5	ND	ND	ND	ND	--
	µg/L	04/25/06	5	ND	ND	ND	ND	--
	µg/L	10/05/06	5	ND	ND	ND	ND	ND
	µg/L	03/21/07	5	ND	ND	0.71 J	ND	ND
	µg/L	10/02/07	5	ND	ND	0.79 J	0.09 J	ND
	µg/L	04/01/08	5	ND	ND	0.99 J	0.12 J	ND
	µg/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

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
cis-1,2-Dichloroethene	µg/L	06/21/01	5	ND	ND	ND	ND	--
NC 2L = 70 ug/L	µg/L	04/24/02	5	ND	ND	ND	ND	--
	µg/L	10/01/02	5	ND	ND	ND	ND	--
	µg/L	04/10/03	5	ND	6	ND	ND	--
	µg/L	10/20/03	5	ND	ND	ND	ND	--
	µg/L	03/24/04	5	ND	ND	ND	ND	--
	µg/L	10/27/04	5	ND	ND	ND	ND	--
	µg/L	05/25/05	5	ND	ND	ND	ND	--
	µg/L	10/05/05	5	ND	ND	ND	ND	--
	µg/L	04/25/06	5	ND	ND	ND	ND	--
	µg/L	10/05/06	5	ND	ND	ND	ND	ND
	µg/L	03/21/07	5	ND	ND	0.20 J	ND	ND
	µg/L	10/02/07	5	ND	ND	0.27 J	0.21 J	ND
	µg/L	04/01/08	5	ND	ND	0.39 J	0.30 J	ND
	µg/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
Chloromethane	ug/L	03/24/09	1	ND	ND	ND	ND	ND
NC 2L = 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
Methylene chloride	µg/L	06/21/01	1	ND	ND	ND	ND	--
NC 2L = 5 ug/L	µg/L	04/24/02	1	ND	ND	ND	ND	--
	µg/L	10/01/02	1	ND	ND	ND	ND	--
	µg/L	04/10/03	1	ND	ND	ND	ND	--
	µg/L	10/20/03	1	ND	ND	ND	ND	--
	µg/L	03/24/04	1	ND	ND	ND	ND	--
	µg/L	10/27/04	1	ND	ND	ND	ND	--
	µg/L	05/25/05	1	ND	ND	ND	ND	--
	µg/L	10/05/05	1	ND	ND	ND	ND	--
	µg/L	04/25/06	1	ND	ND	ND	ND	--
	µg/L	10/05/06	1	ND	ND	ND	ND	ND
	µg/L	03/21/07	1	0.20 B	ND	2.08 B	0.38 B	0.39
	µg/L	10/02/07	1	ND	ND	1.42 B	ND	0.61
	µg/L	04/01/08	1	ND	0.52 B	2.83 J	0.48 B	0.54
	µg/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
Tetrachloroethene (PCE)	µg/L	06/21/01	1	ND	ND	ND	ND	--
NC 2L = 0.7 ug/L	µg/L	04/24/02	1	ND	ND	ND	ND	--
	µg/L	10/01/02	1	ND	ND	ND	ND	--
	µg/L	04/10/03	1	ND	ND	ND	ND	--
	µg/L	10/20/03	1	ND	ND	ND	ND	--
	µg/L	03/24/04	1	ND	ND	ND	ND	--
	µg/L	10/27/04	1	ND	ND	ND	ND	--
	µg/L	05/25/05	1	ND	ND	ND	ND	--
	µg/L	10/05/05	1	ND	ND	ND	ND	--
	µg/L	04/25/06	1	ND	ND	ND	ND	--
	µg/L	10/05/06	1	ND	ND	ND	ND	ND
	µg/L	03/21/07	1	ND	ND	0.76 J	ND	ND
	µg/L	10/02/07	1	ND	ND	1.05 J	0.27 J	ND
	µg/L	04/01/08	1	ND	0.12 J	1.22 J	0.32 J	ND
	µg/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

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
Toluene	µg/L	06/21/01	1	ND	ND	ND	ND	--
NC 2L = 600 ug/L	µg/L	04/24/02	1	ND	ND	ND	ND	--
	µg/L	10/01/02	1	ND	ND	ND	ND	--
	µg/L	04/10/03	1	ND	ND	ND	ND	--
	µg/L	10/20/03	1	ND	ND	ND	ND	--
	µg/L	03/24/04	1	ND	ND	ND	ND	--
	µg/L	10/27/04	1	ND	ND	ND	ND	--
	µg/L	05/25/05	1	ND	ND	ND	ND	--
	µg/L	10/05/05	1	ND	ND	ND	ND	--
	µg/L	04/25/06	1	ND	ND	ND	ND	--
	µg/L	10/05/06	1	ND	ND	ND	ND	ND
	µg/L	03/21/07	1	ND	ND	ND	ND	ND
	µg/L	10/02/07	1	ND	ND	ND	ND	ND
	µg/L	04/01/08	1	ND	ND	ND	0.19 J	ND
	µg/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
1,1,1-Trichloroethane	µg/L	06/21/01	1	ND	ND	ND	ND	--
NC 2L = 200 ug/L	µg/L	04/24/02	1	ND	ND	ND	ND	--
	µg/L	10/01/02	1	ND	ND	ND	ND	--
	µg/L	04/10/03	1	ND	ND	ND	ND	--
	µg/L	10/20/03	1	ND	ND	ND	ND	--
	µg/L	03/24/04	1	ND	ND	ND	ND	--
	µg/L	10/27/04	1	ND	ND	ND	ND	--
	µg/L	05/25/05	1	ND	ND	ND	ND	--
	µg/L	10/05/05	1	ND	ND	ND	ND	--
	µg/L	04/25/06	1	ND	ND	ND	ND	--
	µg/L	10/05/06	1	ND	ND	ND	ND	ND
	µg/L	03/21/07	1	ND	ND	0.24 J	ND	ND
	µg/L	10/02/07	1	ND	ND	0.21 J	ND	ND
	µg/L	04/01/08	1	ND	ND	0.17 J	ND	ND
	µg/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
Trichloroethene	µg/L	06/21/01	1	ND	ND	ND	ND	--
NC 2L = 3 ug/L	µg/L	04/24/02	1	ND	ND	ND	ND	--
	µg/L	10/01/02	1	ND	ND	ND	ND	--
	µg/L	04/10/03	1	ND	ND	ND	ND	--
	µg/L	10/20/03	1	ND	ND	ND	ND	--
	µg/L	03/24/04	1	ND	ND	ND	ND	--
	µg/L	10/27/04	1	ND	ND	ND	ND	--
	µg/L	05/25/05	1	ND	ND	ND	ND	--
	µg/L	10/05/05	1	ND	ND	ND	ND	--
	µg/L	04/25/06	1	ND	ND	ND	ND	--
	µg/L	10/05/06	1	ND	ND	ND	ND	ND
	µg/L	03/21/07	1	ND	ND	0.24 J	ND	ND
	µg/L	10/02/07	1	ND	ND	0.27 J	0.18 J	ND
	µg/L	04/01/08	1	ND	ND	0.51 J	0.19 J	ND
	µg/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
Trichlorofluoromethane	µg/L	06/21/01	1	ND	ND	ND	ND	--
NC 2L = 2000 ug/L	µg/L	04/24/02	1	ND	ND	ND	ND	--
	µg/L	10/01/02	1	ND	ND	ND	ND	--
	µg/L	04/10/03	1	ND	ND	ND	ND	--
	µg/L	10/20/03	1	ND	ND	ND	ND	--
	µg/L	03/24/04	1	ND	ND	ND	ND	--
	µg/L	10/27/04	1	ND	ND	ND	ND	--
	µg/L	05/25/05	1	ND	ND	ND	ND	--
	µg/L	10/05/05	1	ND	ND	8.07	ND	--
	µg/L	04/25/06	1	ND	ND	ND	23.1	--
	µg/L	10/05/06	1	ND	ND	13.8	ND	ND
	µg/L	03/21/07	1	ND	ND	11.3	ND	ND
	µg/L	10/02/07	1	ND	ND	9.90	0.26 J	ND
	µg/L	04/01/08	1	ND	ND	8.03	3.88	ND
	µg/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

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
Vinyl chloride	µg/L	06/21/01	1	ND	ND	ND	ND	--
NC 2L = 0.03 ug/L	µg/L	04/24/02	1	ND	ND	ND	ND	--
	µg/L	10/01/02	1	ND	ND	ND	ND	--
	µg/L	04/10/03	1	ND	ND	ND	ND	--
	µg/L	10/20/03	1	ND	ND	ND	ND	--
	µg/L	03/24/04	1	ND	ND	ND	ND	--
	µg/L	10/27/04	1	ND	ND	ND	ND	--
	µg/L	05/25/05	1	ND	ND	ND	ND	--
	µg/L	10/05/05	1	ND	ND	ND	ND	--
	µg/L	04/25/06	1	ND	ND	ND	ND	--
	µg/L	10/05/06	1	ND	ND	ND	ND	ND
	µg/L	03/21/07	1	ND	ND	ND	ND	ND
	µg/L	10/02/07	1	ND	ND	ND	ND	ND
	µg/L	04/01/08	1	ND	ND	ND	ND	ND
	µg/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
Xylenes (Total)	µg/L	06/21/01	5	ND	ND	ND	ND	--
NC 2L = 500 ug/L	µg/L	04/24/02	5	ND	ND	ND	ND	--
	µg/L	10/01/02	5	ND	ND	ND	ND	--
	µg/L	04/10/03	5	ND	ND	ND	ND	--
	µg/L	10/20/03	5	ND	ND	ND	ND	--
	µg/L	03/24/04	5	ND	ND	ND	ND	--
	µg/L	10/27/04	5	ND	ND	ND	ND	--
	µg/L	05/25/05	5	ND	ND	ND	ND	--
	µg/L	10/05/05	5	ND	ND	ND	ND	--
	µg/L	04/25/06	5	ND	ND	ND	ND	--
	µg/L	10/05/06	5	ND	ND	ND	ND	ND
	µg/L	03/21/07	5	ND	ND	0.17 J	ND	ND
	µg/L	10/02/07	5	ND	ND	0.17 J	ND	ND
	µg/L	04/01/08	5	ND	ND	0.28 J	ND	ND
	µg/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
Chloride	mg/L	03/24/09	--	ND	8.8	4.1 J	ND	ND
EPA MCL = 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
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
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
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
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	--
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	--
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	--

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	--

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 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	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
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

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		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	
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	

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	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
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

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		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	
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	

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		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	
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	

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	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
Silver	ug/L	12/05/94	10	ND	ND	ND	ND	--
SW Standard = 0.06 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	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

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	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
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

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	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
Acetone	ug/L	12/05/94	100	ND	ND	ND	ND	--
No SW Standard	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	09/23/10	100	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	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	09/23/10	1	ND	ND	ND	ND	ND
Chlorobenzene	ug/L	12/05/94	3	ND	ND	ND	ND	--
No SW Standard	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	09/23/10	3	0.42 J	0.79 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	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	09/23/10	3	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	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	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	09/23/10	5	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	Blanks
1,4-Dichlorobenzene	ug/L	12/05/94	1	ND	ND	ND	--	--
No SW Standard	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	09/23/10	1	ND	3.0	ND	ND	ND
1,1-Dichloroethane	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	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	09/23/10	5	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	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	09/23/10	5	ND	ND	ND	ND	ND
Chloromethane	ug/L	03/24/09	1	ND	ND	ND	ND	ND
No SW Standard	ug/L	09/22/09	1	ND	ND	ND	ND	ND
	ug/L	03/22/10	1	ND	ND	ND	ND	ND
	ug/L	09/23/10	1	ND	0.43 J	ND	0.41 J	ND
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	09/23/10	1	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	Blanks
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	09/23/10	1	ND	ND	ND	ND	ND
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	09/23/10	1	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	Blanks
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	09/23/10	1	ND	ND	ND	ND	ND
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	09/23/10	1	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	Blanks
Xylenes (Total)	ug/L	12/05/94	5	ND	ND	ND	0.04	--
No SW Standard	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	09/23/10	5	ND	ND	ND	ND	ND
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.	09/23/10	--	7.27	7.17	6.55	7.44	--
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	09/23/10	--	506	1217	2605	343	--
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	09/23/10	--	20.05	18.13	19.60	19.38	--
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	09/23/10	--	54.2	6.72	11.3	3.51	--
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	09/23/10	--	-27.2	-134.9	-2.0	30.2	--

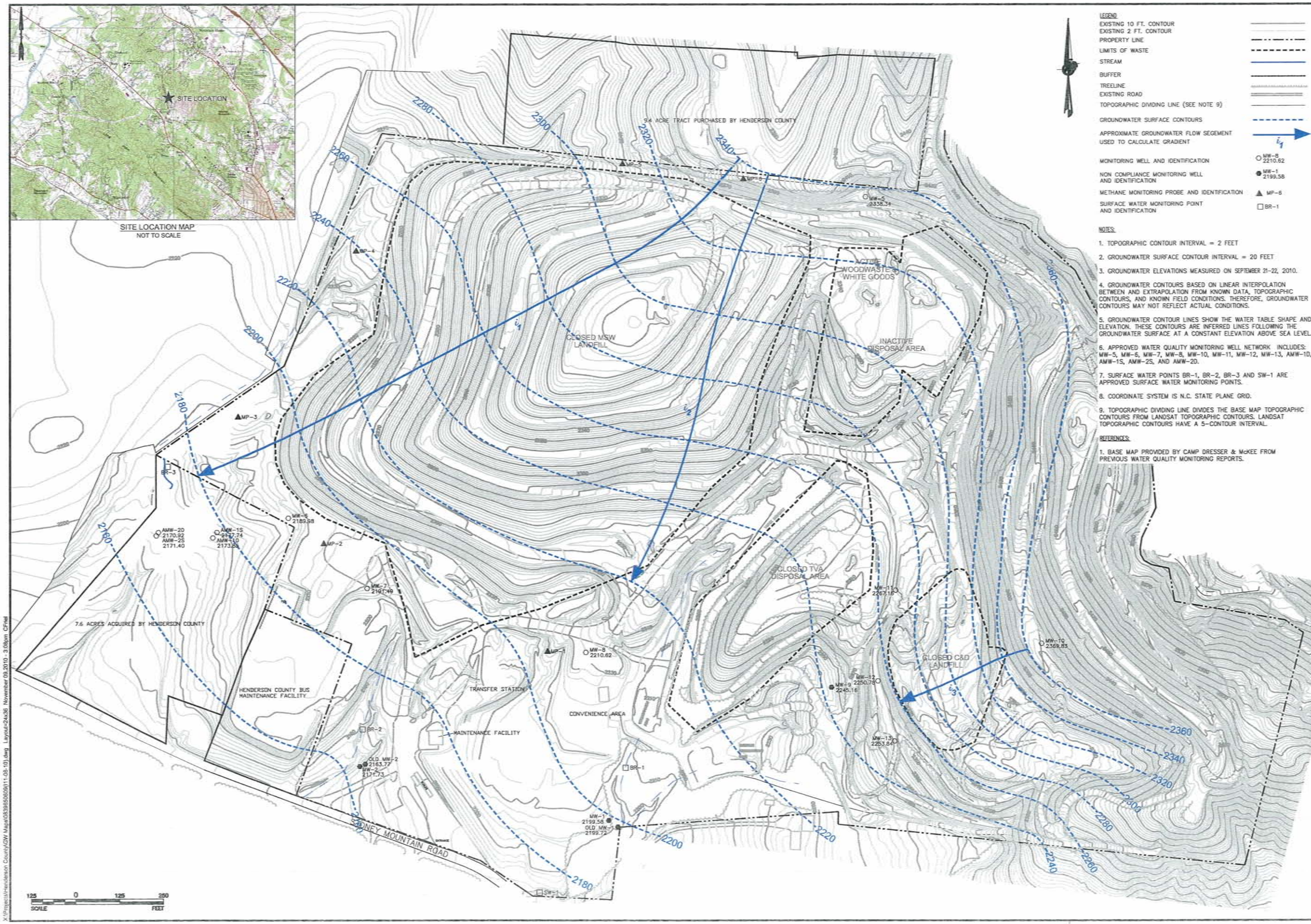
TABLE 5

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	Blanks
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	09/23/10	--	6.87	24.0	6.36	6.28	--

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.

DRAWING



LEGEND

EXISTING 10 FT. CONTOUR
EXISTING 2 FT. CONTOUR
PROPERTY LINE
LIMITS OF WASTE
STREAM
BUFFER
TREELINE
EXISTING ROAD
TOPOGRAPHIC DIVIDING LINE (SEE NOTE 9)
GROUNDWATER SURFACE CONTOURS
APPROXIMATE GROUNDWATER FLOW SEGEMENT USED TO CALCULATE GRADIENT
MONITORING WELL AND IDENTIFICATION — MW-8 2210.62
NON COMPLIANCE MONITORING WELL AND IDENTIFICATION — MW-1 2199.58
METHANE MONITORING PROBE AND IDENTIFICATION — MP-6
SURFACE WATER MONITORING POINT AND IDENTIFICATION — BR-1

NOTES:

1. TOPOGRAPHIC CONTOUR INTERVAL = 2 FEET
2. GROUNDWATER SURFACE CONTOUR INTERVAL = 20 FEET
3. GROUNDWATER ELEVATIONS MEASURED ON SEPTEMBER 21-22, 2010.
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. APPROVED WATER QUALITY MONITORING WELL NETWORK INCLUDES: MW-5, MW-6, MW-7, MW-8, MW-10, MW-11, MW-12, MW-13, AMW-1D, AMW-1S, AMW-2S, AND AMW-20.
7. SURFACE WATER POINTS BR-1, BR-2, BR-3 AND SW-1 ARE APPROVED SURFACE WATER MONITORING POINTS.
8. COORDINATE SYSTEM IS N.C. STATE PLANE GRID.
9. TOPOGRAPHIC DIVIDING LINE DIVIDES THE BASE MAP TOPOGRAPHIC CONTOURS FROM LANDSAT TOPOGRAPHIC CONTOURS. LANDSAT TOPOGRAPHIC CONTOURS HAVE A 5-CONTOUR INTERVAL.

REFERENCES:

1. BASE MAP PROVIDED BY CAMP DRESSER & McKEE FROM PREVIOUS WATER QUALITY MONITORING REPORTS.

Golder Associates
GOLDER ASSOCIATES INC., INC.

REV	DATE	DES	REVISION DESCRIPTION	CADD	CHK	RVW
3	10/14/10	JAD	REVISED GW CONTOURS	LKB	DYR	RPK
2	5/20/10	DYR	REVISED GW CONTOURS	LKB	DYR	RPK
1	10/27/09	DYR	REVISED GW CONTOURS	LKB	DYR	RPK

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

TITLE
GROUNDWATER
SURFACE CONTOUR MAP
SEPTEMBER 21-22, 2010

PROJECT No.	083-9850610	
FILE No.		
REV. 0	SCALE	1"=125'
DESIGN	DYR	05/10/10
CADD	LKB	05/10/10
CHECK	DYR	05/10/10
REVIEW	RPK	05/10/10

DWG. 1

X:\Projects\Henderson County\GW Maps\0830850609\11.08.10.dwg, Layout=24x36, November 09,2010 - 3:08pm CFriel

APPENDIX A

GROUNDWATER AND SURFACE WATER SAMPLING LOGS

Golder Associates

DATE: 9-22-10

GROUNDWATER SAMPLING LOG

Project Name: Henderson County
Project No./Phase No.: 0839650610.100
Well ID: MW-5 (background)
Sampler(s): N. Rathjen, M. Mathis
Well Diameter: 2 inches
Int. Depth to Water: 51.48 feet
Depth to Bottom: 74.00 feet
Total Water Column: 22.52 feet
Well Volume: 3.75 gallons
3x Well Volume: 11.25 gallons
Well Location: near large building above landfill overlooking MW, white goods
Equipment: YSI 556, Disposable bailer, Water level meter, Hanna Turbidimeter
~~QED MP-15 pl~~

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
1334	6.24	0.195	35.0	16.81	0
1341	5.89	0.193	>1,000	15.49	3.75
1351	5.83	0.183	>1,000	15.04	7.50
1359	5.66	0.180	>1,000	14.77	11.25
Sampled on 9-23-10 @ 9:24					
9:24	5.48	0.181	48.4	14.92	—

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Weather - storms nearby, windy, 70s
9-23-10 weather - calm, clear, 80s

Signature: Nate Rathjen **Date:** 9-22-10

QA/QC Sign Off: Paul Reary **Date:** 10-25-10

Golder Associates

DATE: 9-22-10

GROUNDWATER SAMPLING LOG

Project Name: Henderson County
Project No./Phase No.: 0839650610.100
Well ID: MW-6
Sampler(s): N. Rathjen, M. Mathis
Well Diameter: 2 inches
Int. Depth to Water: 14.26 feet
Depth to Bottom: 19.26 feet
Total Water Column: 5.0 feet
Well Volume: 0.815 gallons
3x Well Volume: 3 gallons
Well Location: off access road along fence before flare
Equipment: YSI 556, Disposable bailer, Water level meter, Hanna Turbidimeter, ~~QED MP-15NR~~

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
14:58	6.27	0.780	139	19.48	0
15:00	6.35	1.124	341	17.74	0.815
15:02	6.28	1.268	126	17.13	1.63
15:04	6.33	1.334	188	16.94	2.445
Sampled on 9-23-10 @ 10:15					
10:15	6.00	1.262	11.0	19.69	—

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Weather - overcast, calm, 80s

Signature: Natto Rat
Date: 9-22-10

QA/QC Sign Off: Paul G Reedy
Date: 10-29-10

Golder Associates

DATE: 9-22-10

GROUNDWATER SAMPLING LOG

Project Name: Henderson County
Project No./Phase No.: 0839650610.100
Well ID: MW-7
Sampler(s): N. Rathjen, M. Mathis
Well Diameter: 2 inches
Int. Depth to Water: 19.17 feet
Depth to Bottom: 28.11 feet
Total Water Column: 8.94 feet
Well Volume: 1.45 gallons
3x Well Volume: 4.5 gallons
Well Location: across from transfer station next to empty trailer
Equipment: YSI 556, Disposable bailer, Water level meter, Hanna Turbidimeter

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
1442	6.02	0.396	50.9	19.21	0
1444	5.96	0.421	15.6	18.27	1.5
1446	5.94	0.437	16.7	17.92	3.0
1448	5.96	0.486	57.5	17.86	4.5
Sampled on 9-23-10 @ ~~9:55~~ NR 9:55					
9:55	5.67	0.451	24.3	18.65	–

Comments (weather conditions, color, type of sample, purge-water management, etc.):
part cloudy, 80's
9-23-10 weather - calm, clear, 80s

Signature: Nate Rathjen **Date:** 9-22-10

QA/QC Sign Off: [illegible] **Date:** 10-29-10

Golder Associates

DATE: 9-22-10

GROUNDWATER SAMPLING LOG

Project Name: Henderson County
Project No./Phase No.: 0839650610.100
Well ID: MW-8
Sampler(s): N. Rathjen, M. Mathis
Well Diameter: 2 inches
Int. Depth to Water: 25.25 feet
Depth to Bottom: 31.30 feet
Total Water Column: 6.05 feet
Well Volume: 0.98 gallons
3x Well Volume: 2.95 gallons
Well Location: located off access road near convenience center
Equipment: YSI 556, Disposable bailer, Water level meter, Hanna Turbidimeter

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
14:12	5.99	1.140	224	17.77	0
14:14	6.14	1.086	>1000	17.11	0.98
14:18	6.14	0.995	>1000	16.61	1.96
14:20	5.95	0.854	>1000	16.22	2.94
Sampled on		9-23-10	@ 9:42		
9:42	6.04	0.999	51.1	18.77	–

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Weather – overcast, breezy, 70's Purge water – dark brown
9-23-10 weather – clear, calm, 70s

Signature: Natalie Rathjen **Date:** 9-22-10

QA/QC Sign Off: Paul J Reedy **Date:** 10-29-10

Golder Associates

DATE: 9-21-10

GROUNDWATER SAMPLING LOG

Project Name: Henderson County
Project No./Phase No.: 0839650610.100
Well ID: AMW-15
Sampler(s): N. Rathjen, M. Mathis
Well Diameter: 2 inches
Int. Depth to Water: 15.35 feet
Depth to Bottom: 29.01 feet
Total Water Column: 13.66 feet
Well Volume: 2.5 gallons
3x Well Volume: 7.5 gallons
Well Location: W of LF located behind animal shelter in field
Equipment: YSI 556, Disposable bailer, Water level meter, Hanna Turbidimeter

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
1703	5.73	0.085	113	18.56	0
1709	6.21	0.232	170	16.60	2.5
1514	6.26	0.351	120	15.84	5.0
1525	6.19	0.393	119	17.01	7.5
Sampled on 9-22-10 @ 8:17					
8:17	5.27	0.093	12.8	16.25	–

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Sunny, 80's, orange purge water
9-22-10 → weather – calm, 60s, clear

Signature: Nathan Rathjen
Date: 9-21-10

QA/QC Sign Off: Paul S Reedy
Date: 10-25-10

Golder Associates

DATE: 9-21-10

GROUNDWATER SAMPLING LOG

Project Name: Henderson County
Project No./Phase No.: 0839650610.100
Well ID: AMW-1D
Sampler(s): N. Rathjen, M. Mathis
Well Diameter: 2 inches
Int. Depth to Water: 16.92 feet
Depth to Bottom: 62.88 feet
Total Water Column: 45.96 feet
Well Volume: 7.5 gallons
3x Well Volume: 22.5 gallons
Well Location: W of LF located behind animal shelter in field
Equipment: YSI 556, Disposable bailer, Water level meter, Hanna Turbidimeter

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
17:04	8.84	0.709	18.8	17.31	0
1732	6.21	0.702	9.46	15.24	7.5
1748	6.04	0.630	7.19	15.46	15.0
1805	6.00	0.605	42.5	14.95	22.5
Sampled on		9-22-10	@ 8:09		
8:09	5.79	0.603	4.35	15.78	—

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Sunny, 80's, clear purge water
9-22-10 calm, clear, 60's

Signature: Nathan Rathjen
Date: 9-21-10

QA/QC Sign Off: Paul G Reedy
Date: 10-29-10

Golder Associates

DATE: 9-21-10

GROUNDWATER SAMPLING LOG

Project Name: Henderson County
Project No./Phase No.: 0839650610.100
Well ID: AMW-2S
Sampler(s): N. Rathjen, M. Mathis
Well Diameter: 2 inches
Int. Depth to Water: 6.26 feet
Depth to Bottom: 25.30 feet
Total Water Column: 19.04 feet
Well Volume: 3.1 gallons
3x Well Volume: 9.5 gallons
Well Location: W of landfill behind animal shelter in woods near stream
Equipment: YSI 556, Disposable bailer, Water level meter, Hanna Turbidimeter

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
1830	6.14	0.223	163	15.71	0
1837	5.99	0.215	>1,000	15.92	3.25
1844	5.98	0.248	>1,000	15.29	6.50
1851	6.05	0.275	>1,000	15.12	9.75
Sampled on 9-22-10 @ 840					
8:40	5.85	0.219	34.2	17.11	—

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Weather - clear, calm, 70's
purge water ~~clear~~ dark brown
9-22-10 Weather - calm, clear, 70's

Signature: Nath Rath **Date:** 9-21-10

QA/QC Sign Off: Paul G Reedy **Date:** 10-29-10

Golder Associates

DATE: 9-21-10

GROUNDWATER SAMPLING LOG

Project Name: Henderson County
Project No./Phase No.: 0839650610.100
Well ID: AMW-2D
Sampler(s): N. Rathjen, M. Mathis
Well Diameter: 2 inches
Int. Depth to Water: 6.66 feet
Depth to Bottom: 84.05' feet
Total Water Column: 77.39 feet
Well Volume: 12.61 gallons
3x Well Volume: 38 gallons
Well Location: W of LF behind animal shelter in wooded area near stream
Equipment: YSI 556, Disposable bailer, Water level meter, Hanna Turbidimeter

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
1831	6.68	0.119	21.2	17.81	0
1849	6.70	0.116	39.5	14.61	12.75
1913	6.50	0.119	20.2	14.85	25.50
1936	6.46	0.115	10.6	14.67	38.25
Sampled on		9-22-10	@ 8:45		
8:45	6.26	0.124	NTU ~~34.2~~ 6.63	18.35	—

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Weather - clear, calm, 80s
clear purge water

Signature: Natha Rathjen
Date: 9-21-10

QA/QC Sign Off: Paul G Reedy
Date: 10-25-10

Golder Associates

DATE: 9/21/10

GROUNDWATER SAMPLING LOG

Project Name: Henderson County
Project No./Phase No.: 0839650610.100
Well ID: MW-10 (background)
Sampler(s): N. Rathjen, M. Mathis
Well Diameter: 2 inches
Int. Depth to Water: 34.72 feet
Depth to Bottom: 46.69 feet
Total Water Column: 11.97 feet
Well Volume: 2 gallons
3x Well Volume: 6 gallons
Well Location: located E of closed C+D LF on hill
Equipment: YSI 556, Disposable bailer, Water level meter, Hanna Turbidimeter

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
1606	5.62	0.057	42.7	21.91	0
1609	5.72	0.048	571	15.61	2
1615	5.83	0.039	>1,000	15.13	4
1621	5.85	0.044	>1,000	15.02	6
sampled on	9-22-10	@ ~~8:46~~	NR 9:10		
9:10	5.80	0.037	8.46	15.22	—

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Sunny, 90's, light tan purge water, lock needs replacing
9-22-10 weather - calm, 80s, clear

Signature: [signature] **Date:** 9-21-10

QA/QC Sign Off: [signature] **Date:** 10-29-10

Golder Associates

DATE: 9-22-10

GROUNDWATER SAMPLING LOG

Project Name: Henderson County
Project No./Phase No.: 0839650610.100
Well ID: MW-11
Sampler(s): N. Rathjen, M. Mathis
Well Diameter: 2 inches
Int. Depth to Water: 29.85 feet
Depth to Bottom: 48.50 feet
Total Water Column: 19 feet
Well Volume: 3 gallons
3x Well Volume: 9 gallons
Well Location: located in bottom of sed basin @ base of hill
Equipment: YSI 556, Disposable bailer, Water level meter, Hanna Turbidimeter

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
12:04	6.29	0.193	19.5	17.42	0
12:08	5.94	0.169	23.8	15.68	3
12:12	5.66	0.151	16.1	15.14	6
12:16	5.19	0.149	41.2	15.45	9
Sampled on 9-23-10 @ 9:02					
9:02	5.27	0.144	5.45	15.42	–

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Weather- partly cloudy, calm, 80s
9-23-10 → weather - calm, clear, 70s

Signature: Nath Rath **Date:** 9-22-10

QA/QC Sign Off: [illegible] **Date:** 10-29-10

Golder Associates

DATE: 9-22-10

GROUNDWATER SAMPLING LOG

Project Name: Henderson County
Project No./Phase No.: 0839650610.100
Well ID: MW-12
Sampler(s): N. Rathjen, M. Mathis
Well Diameter: 2 inches
Int. Depth to Water: 49.31 feet
Depth to Bottom: 62.90 feet
Total Water Column: 13.59 feet
Well Volume: 2.25 gallons
3x Well Volume: 6.75 gallons
Well Location: Located off of access road at ~~hill~~ bottom of hill
Equipment: YSI 556, Disposable bailer, Water level meter

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
1109	5.98	0.256	31.3	15.59	0
1117	5.79	0.274	333	16.16	2.25
1128	5.72	0.263	139	15.79	4.50
1134	5.67	0.260	340	15.19	6.75
Sampled on		9-22-10	@ 845		
8:45	5.39	0.230	10.3	14.36	–

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Weather - overcast, calm, 80's
9-23-10 Weather - calm, clear, 70's

Signature: Nath Rat
Date: 9-22-10

QA/QC Sign Off: [illegible]
Date: 10-29-10

Golder Associates

DATE: 9-22-10

GROUNDWATER SAMPLING LOG

Project Name: Henderson County
Project No./Phase No.: 0839650610.100
Well ID: MW-13
Sampler(s): N. Rathjen, M. Mathis
Well Diameter: 2 inches
Int. Depth to Water: 46.40 feet
Depth to Bottom: 91.11 feet
Total Water Column: 44.71 feet
Well Volume: 7.5 gallons
3x Well Volume: 22.5 gallons
Well Location: located off of access road, surrounded by 3 large yellow rocks
Equipment: YSI 556, Disposable bailer, Water level meter, Hanna Turbidimeter

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
9:48	6.20	0.202	7.12	15.35	0
10:05	5.95	0.239	6.71	15.35	7.5
10:28	6.18	0.239	127	15.61	15.0
10:52	6.02	0.236	301	15.00	22.5
Sampled on		9-23-10	@ 8:35		
8:35	5.81	0.316	24.2	14.61	–

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Weather – clear, calm, 80s
9-23-10 weather – clear, calm, 60's

Signature: Natto Rath
Date: 9-22-10

QA/QC Sign Off: Paul G Reedy
Date: 10-25-10

DATE: 9-22-10

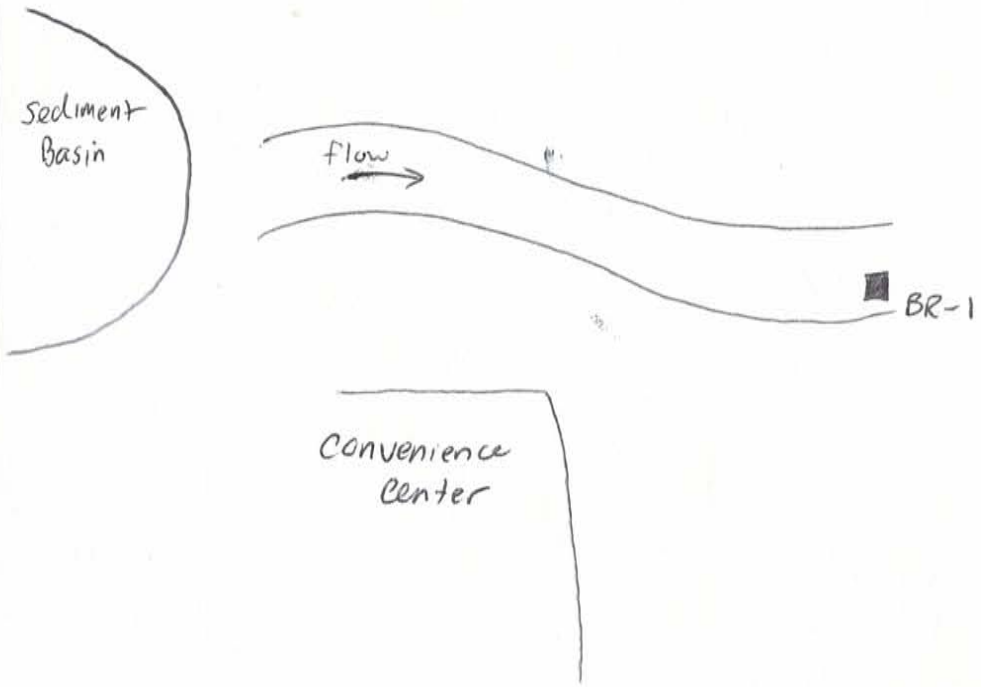
Golder Associates

SURFACE WATER SAMPLING LOG

Project Name: Henderson County **Project No./Phase No.:** 0839650610
Sample ID: BR-1 **Sampler(s):** N. Rathjen, M.Mathis
Sampling Location: located downstream of sediment basin near convenience center
Equipment: YSI 556, Turbidimeter (Hanna)

Time	1555
pH s.u.	7.27
Cond. mS/cm	0.506
Turb. ntu	54.2
Dis. O_2 mg/L	6.87
Temp. °C	20.05
ORP mv	-27.2

Surface Water Sampling Location Sketch



Comments (sample methodology, weather conditions, color, silt, etc.):
Weather - overcast, calm, 80s

Signature: [signature] **Date:** 9-22-10

QA/QC Sign Off: [signature] **Date:** 10-29-10

DATE: 9-22-10

Golder Associates

SURFACE WATER SAMPLING LOG

Project Name: Henderson County **Project No./Phase No.:** 0839650610
Sample ID: BR-2 **Sampler(s):** N. Rathjen, M.Mathis
Sampling Location: located in woods near gravel lot by access road
Equipment: YSI 556, Hanna Turbidimeter

Time	15:25
pH s.u.	7.17
Cond. mS/cm	1.217
Turb. ntu	6.72
Dis. O_2 mg/L	24.0
Temp. °C	18.13
ORP mv	-134.9

Surface Water Sampling Location Sketch

Comments (sample methodology, weather conditions, color, silt, etc.):
- rainbow sheen on water
- Weather - calm, clear, 80s

Signature: Natalie Rathjen **Date:** 9-22-10

QA/QC Sign Off: [illegible] **Date:** 10-29-10

DATE: 9-22-10

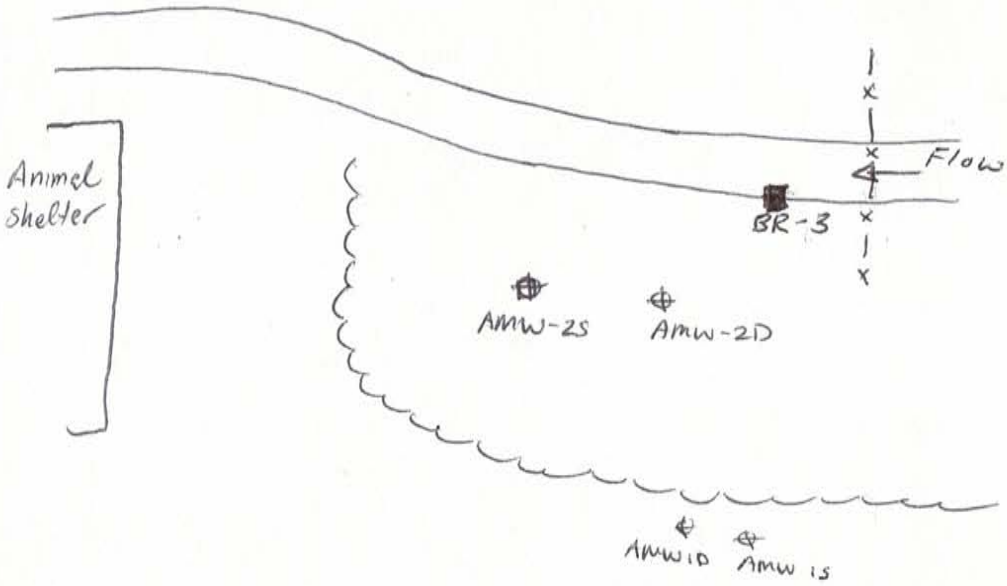
Golder Associates

SURFACE WATER SAMPLING LOG

Project Name: Henderson County **Project No./Phase No.:** 0839650610
Sample ID: BR-3 **Sampler(s):** N. Rathjen, M.Mathis
Sampling Location: located N of AMW wells at bottom of hill near fence
Equipment: YSI 556, Hanna Turbidimeter

Time	16:45
pH s.u.	6.55
Cond. mS/cm	2.605
Turb. ntu	11.3
Dis. O_2 mg/L	6.30
Temp. °C	19.60
ORP mv	-2.0

Surface Water Sampling Location Sketch



Comments (sample methodology, weather conditions, color, silt, etc.):
Weather - overcast, calm, 80's

Signature: Nath Rath **Date:** 9-22-10

QA/QC Sign Off: Paul G Reedy **Date:** 10-29-10

DATE: 9-22-10

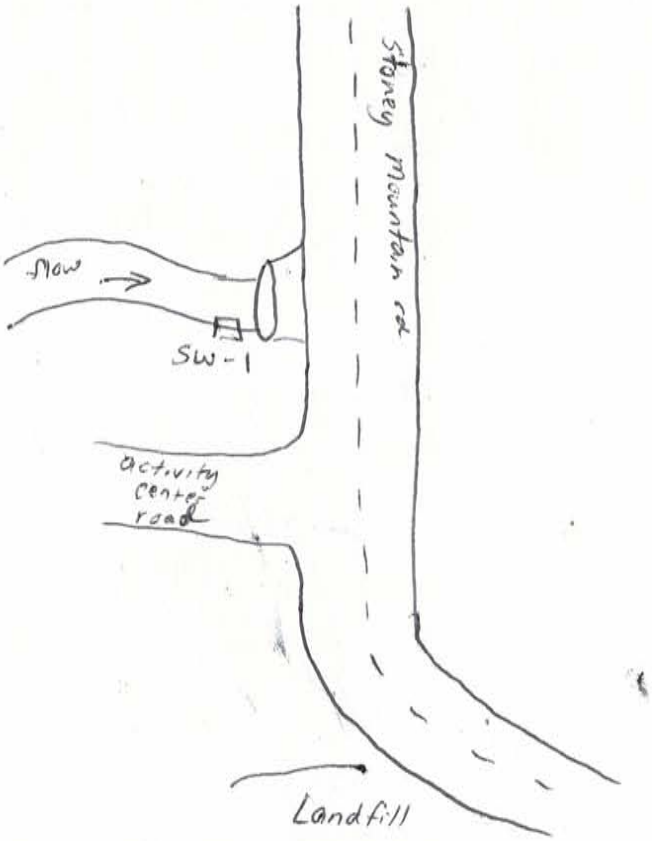
Golder Associates

SURFACE WATER SAMPLING LOG

Project Name: Henderson County **Project No./Phase No.:** 0839650610
Sample ID: SW-1 **Sampler(s):** N. Rathjen, M.Mathis
Sampling Location: located off site just beyond activity center along road
Equipment: YSI 556, Hanna Turbidimeter

Time	16:15
pH s.u.	7.44
Cond. mS/cm	0.343
Turb. ntu	3.51
Dis. O_2 mg/L	6.28
Temp. °C	19.38
ORP mv	30.2

Surface Water Sampling Location Sketch



Comments (sample methodology, weather conditions, color, silt, etc.):
Weather – partly cloudy, 50's, calm

Signature: [signature] **Date:** 9-22-10

QA/QC Sign Off: [signature] **Date:** 10-29-10

APPENDIX B

SEPTEMBER 2010 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

Tuesday, October 26, 2010

Golder Associates, Inc. (GO007)

Attn: Dusty Reedy

5B Oak Branch Drive

Greensboro, NC 27407

RE: Laboratory Results for
Project Number: 0839-6506010.100, Project Name/Desc: Henderson Co. LF
ENCO Workorder: C010667

Dear Dusty Reedy,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, September 24, 2010.

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.

PROJECT NARRATIVE

Date: 26 October 2010
Client: Golder Associates, Inc. (GO007)
Project: Henderson Co. LF
Lab ID: C010667

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

Manganese was detected in the 6010C Method Blank at a low-level concentration (less than half of the MRL). Detections of this analyte should be considered to have a possible high bias if the concentration in the associated samples is not greater than ten times that of the detection in the Method Blank. The spike recoveries of Manganese in the MS and MSD samples, and Arsenic, Barium, Beryllium, Cadmium, Copper, Manganese, and Selenium in the Post Spike samples were outside of control limits. The QC batch was approved based on acceptable LCS recovery of these analytes and completeness of the QC data.

Quality Control Remarks

The detections of Chloromethane in samples BR-2 and SW-1 has been determined to be laboratory artifact caused by build up in one component of the 8260B instrumentation. The contaiminated part has been replaced, and systems are being developed to prevent furture occurances.

Other Comments

Due to laboratory investigations regarding spurious detections of Selenium and Chloromethane, the delivery of this report was delayed significantly. It is ENCO's goal to report only the highest quality and defensible results.

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

www.encolabs.com

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: 4501-MW5 (Background) **Lab ID: C010667-01** **Sampled: 09/23/10 09:24** **Received: 09/24/10 10:15**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	03/22/11	09/27/10	09:43	9/28/2010 12:27
EPA 6020A	03/22/11	09/28/10	10:15	9/30/2010 11:07
EPA 6020A	03/22/11	10/14/10	18:07	10/15/2010 12:57
EPA 7470A	10/21/10	09/28/10	10:23	9/28/2010 17:28
EPA 8260B	10/07/10	09/29/10	11:13	10/1/2010 01:13

Client ID: 4501-MW6 **Lab ID: C010667-02** **Sampled: 09/23/10 10:15** **Received: 09/24/10 10:15**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	03/22/11	09/27/10	09:43	9/28/2010 12:30
EPA 6020A	03/22/11	09/28/10	10:15	9/30/2010 11:10
EPA 6020A	03/22/11	10/14/10	18:07	10/15/2010 13:04
EPA 7470A	10/21/10	09/28/10	10:23	9/28/2010 17:31
EPA 8260B	10/07/10	09/29/10	11:13	10/1/2010 01:42

Client ID: 4501-MW7 (MS/MSD) **Lab ID: C010667-03** **Sampled: 09/23/10 09:55** **Received: 09/24/10 10:15**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	03/22/11	09/27/10	09:43	9/28/2010 12:13
EPA 6020A	03/22/11	09/28/10	10:15	9/30/2010 10:50
EPA 6020A	03/22/11	10/14/10	18:07	10/15/2010 12:16
EPA 7470A	10/21/10	09/28/10	10:23	9/28/2010 17:02
EPA 8260B	10/07/10	10/01/10	09:10	10/1/2010 17:59

Client ID: 4501-MW8 **Lab ID: C010667-04** **Sampled: 09/23/10 09:42** **Received: 09/24/10 10:15**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	03/22/11	09/27/10	09:43	9/28/2010 12:43
EPA 6020A	03/22/11	09/28/10	10:15	9/30/2010 11:14
EPA 6020A	03/22/11	10/14/10	18:07	10/15/2010 13:54
EPA 7470A	10/21/10	09/28/10	10:23	9/28/2010 17:34
EPA 7470A	10/21/10	09/28/10	10:36	9/28/2010 16:44
EPA 8260B	10/07/10	10/01/10	09:10	10/1/2010 18:58

Client ID: 4501-AMW1S **Lab ID: C010667-05** **Sampled: 09/23/10 08:09** **Received: 09/24/10 10:15**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	03/22/11	09/27/10	09:43	9/28/2010 12:45
EPA 6020A	03/22/11	09/28/10	10:15	9/30/2010 11:24
EPA 6020A	03/22/11	10/14/10	18:07	10/15/2010 14:01
EPA 7470A	10/21/10	09/28/10	10:23	9/28/2010 17:37
EPA 8260B	10/07/10	10/01/10	09:10	10/1/2010 19:27

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Client ID: 4501-AMW1D	Lab ID: C010667-06	Sampled: 09/23/10 08:17	Received: 09/24/10 10:15

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	03/22/11	09/27/10 09:43	9/28/2010 12:49
EPA 6020A	03/22/11	09/28/10 10:15	9/30/2010 11:28
EPA 6020A	03/22/11	10/14/10 18:07	10/15/2010 14:08
EPA 7470A	10/21/10	09/28/10 10:23	9/28/2010 17:41
EPA 8260B	10/07/10	10/01/10 09:10	10/1/2010 19:57

Client ID: 4501-AMW2S	Lab ID: C010667-07	Sampled: 09/23/10 08:40	Received: 09/24/10 10:15

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	03/22/11	09/27/10 09:43	9/28/2010 12:52
EPA 6020A	03/22/11	09/28/10 10:15	9/30/2010 11:31
EPA 6020A	03/22/11	10/14/10 18:07	10/15/2010 14:16
EPA 7470A	10/21/10	09/28/10 10:23	9/28/2010 17:44
EPA 8260B	10/07/10	10/01/10 09:10	10/1/2010 20:27

Client ID: 4501-AMW2D	Lab ID: C010667-08	Sampled: 09/23/10 08:45	Received: 09/24/10 10:15

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	03/22/11	09/27/10 09:43	9/28/2010 12:55
EPA 6020A	03/22/11	09/28/10 10:15	9/30/2010 11:35
EPA 6020A	03/22/11	10/14/10 18:07	10/15/2010 14:23
EPA 7470A	10/21/10	09/28/10 10:23	9/28/2010 17:55
EPA 8260B	10/07/10	10/01/10 09:10	10/1/2010 20:56

Client ID: 4501-BR1	Lab ID: C010667-09	Sampled: 09/23/10 15:55	Received: 09/24/10 10:15

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	03/22/11	09/27/10 09:43	9/28/2010 12:59
EPA 6020A	03/22/11	09/28/10 10:15	9/30/2010 11:38
EPA 6020A	03/22/11	10/14/10 18:07	10/15/2010 14:30
EPA 8260B	10/07/10	10/01/10 09:10	10/1/2010 21:25

Client ID: 4501-BR2	Lab ID: C010667-10	Sampled: 09/23/10 15:25	Received: 09/24/10 10:15

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	03/22/11	09/27/10 09:43	9/28/2010 13:02
EPA 6020A	03/22/11	09/28/10 10:15	9/30/2010 11:42
EPA 6020A	03/22/11	10/14/10 18:07	10/15/2010 14:38
EPA 8260B	10/07/10	10/01/10 09:27	10/2/2010 00:53

Client ID: 4501-BR3	Lab ID: C010667-11	Sampled: 09/23/10 16:45	Received: 09/24/10 10:15

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	03/22/11	09/27/10 09:43	9/28/2010 13:05
EPA 6020A	03/22/11	09/28/10 10:15	9/30/2010 11:45
EPA 6020A	03/22/11	10/14/10 18:07	10/15/2010 14:45
EPA 8260B	10/07/10	10/01/10 09:27	10/2/2010 01:21

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Client ID: 4501-SW1	Lab ID: C010667-12	Sampled: 09/23/10 16:15	Received: 09/24/10 10:15

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	03/22/11	09/27/10 09:43	9/28/2010 13:09
EPA 6020A	03/22/11	09/28/10 10:15	9/30/2010 11:48
EPA 6020A	03/22/11	10/14/10 18:07	10/15/2010 14:52
EPA 8260B	10/07/10	10/01/10 09:27	10/2/2010 01:50

Client ID: 4501-Field Blank	Lab ID: C010667-13	Sampled: 09/23/10 10:05	Received: 09/24/10 10:15

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	03/22/11	09/27/10 09:43	9/28/2010 13:12
EPA 6020A	03/22/11	09/28/10 10:15	9/30/2010 11:52
EPA 6020A	03/22/11	10/14/10 18:07	10/15/2010 16:39
EPA 7470A	10/21/10	09/28/10 10:23	9/28/2010 17:59
EPA 8260B	10/07/10	10/01/10 09:27	10/2/2010 02:18

Client ID: 4501-Trip Blank	Lab ID: C010667-14	Sampled: 09/23/10 08:09	Received: 09/24/10 10:15

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	10/07/10	10/01/10 09:27	10/2/2010 02:46

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NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: 4501-MW5 (Background) **Lab ID: C010667-01**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	34.3	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Beryllium - Total	0.198	J	1	0.100	1.00	1	ug/L	EPA 6010C	
Copper - Total	1.77	J	1	1.60	10.0	10	ug/L	EPA 6010C	

Client ID: 4501-MW6 **Lab ID: C010667-02**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,2-Dichlorobenzene	3.6	J	1	0.27	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	15		1	0.38	1.0	1	ug/L	EPA 8260B	
Acetone	8.7	J	1	1.5	5.0	100	ug/L	EPA 8260B	
Arsenic - Total	5.27	J	1	2.80	10.0	10	ug/L	EPA 6010C	
Barium - Total	335		1	1.00	10.0	100	ug/L	EPA 6010C	
Benzene	0.98	J	1	0.20	1.0	1	ug/L	EPA 8260B	
Chlorobenzene	7.5		1	0.27	1.0	3	ug/L	EPA 8260B	
Cobalt - Total	2.13	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Ethylbenzene	2.1		1	0.20	1.0	1	ug/L	EPA 8260B	
Silver - Total	2.52	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Toluene	3.1		1	0.27	1.0	1	ug/L	EPA 8260B	
Xylenes (Total)	5.4		1	0.40	1.0	5	ug/L	EPA 8260B	

Client ID: 4501-MW7 (MS/MSD) **Lab ID: C010667-03**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	0.64	J	1	0.33	1.0	5	ug/L	EPA 8260B	
1,2-Dichlorobenzene	0.52	J	1	0.27	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	8.8		1	0.38	1.0	1	ug/L	EPA 8260B	
Barium - Total	302		1	1.00	10.0	100	ug/L	EPA 6010C	
Beryllium - Total	0.570	J	1	0.100	1.00	1	ug/L	EPA 6010C	
Cadmium - Total	0.493	J	1	0.360	1.00	1	ug/L	EPA 6010C	
Chlorobenzene	6.3		1	0.27	1.0	3	ug/L	EPA 8260B	
Chromium - Total	1.50	J	1	1.00	10.0	10	ug/L	EPA 6010C	
cis-1,2-Dichloroethene	5.2		1	0.36	1.0	5	ug/L	EPA 8260B	
Thallium - Total	0.124	J	1	0.110	1.00	5.5	ug/L	EPA 6020A	
Vinyl chloride	1.2		1	0.30	1.0	1	ug/L	EPA 8260B	
Zinc - Total	5.37	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4501-MW8 **Lab ID: C010667-04**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Arsenic - Total	4.58	J	1	2.80	10.0	10	ug/L	EPA 6010C	
Barium - Total	1130		1	1.00	10.0	100	ug/L	EPA 6010C	
Cadmium - Total	0.618	J	1	0.360	1.00	1	ug/L	EPA 6010C	
Chromium - Total	4.38	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Cobalt - Total	9.21	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	9.93	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Lead - Total	12.2		1	1.90	10.0	10	ug/L	EPA 6010C	
Mercury - Total	0.371		1	0.170	0.200	0.2	ug/L	EPA 7470A	
Silver - Total	3.05	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Thallium - Total	1.18	J	1	0.110	1.00	5.5	ug/L	EPA 6020A	
Vanadium - Total	14.7	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	168		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4501-AMW1S **Lab ID: C010667-05**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	86.5	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Beryllium - Total	0.492	J	1	0.100	1.00	1	ug/L	EPA 6010C	
Cadmium - Total	0.416	J	1	0.360	1.00	1	ug/L	EPA 6010C	
Cobalt - Total	3.42	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Zinc - Total	4.30	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4501-AMW1D **Lab ID: C010667-06**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	0.87	J	1	0.33	1.0	5	ug/L	EPA 8260B	
1,2-Dichlorobenzene	0.64	J	1	0.27	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	3.4		1	0.38	1.0	1	ug/L	EPA 8260B	
Barium - Total	13.1	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chlorobenzene	4.2		1	0.27	1.0	3	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	1.7	J	1	0.36	1.0	5	ug/L	EPA 8260B	
Zinc - Total	5.86	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4501-AMW2S **Lab ID: C010667-07**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	0.84	J	1	0.33	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	0.91	J	1	0.38	1.0	1	ug/L	EPA 8260B	
Barium - Total	7.69	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chlorobenzene	0.55	J	1	0.27	1.0	3	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	1.2	J	1	0.36	1.0	5	ug/L	EPA 8260B	
Vanadium - Total	4.79	J	1	1.40	10.0	25	ug/L	EPA 6010C	

Client ID: 4501-AMW2D **Lab ID: C010667-08**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	1.79	J	1	1.00	10.0	100	ug/L	EPA 6010C	

Client ID: 4501-BR1 **Lab ID: C010667-09**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	45.6	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chlorobenzene	0.42	J	1	0.27	1.0	3	ug/L	EPA 8260B	
Cobalt - Total	2.38	J	1	1.10	10.0	10	ug/L	EPA 6010C	

Client ID: 4501-BR2 **Lab ID: C010667-10**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,4-Dichlorobenzene	3.0		1	0.38	1.0	1	ug/L	EPA 8260B	
Barium - Total	163		1	1.00	10.0	100	ug/L	EPA 6010C	
Chlorobenzene	0.79	J	1	0.27	1.0	3	ug/L	EPA 8260B	
Chloromethane	0.43	J	1	0.34	1.0	1	ug/L	EPA 8260B	
Cobalt - Total	5.61	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Nickel - Total	2.24	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Zinc - Total	4.03	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4501-BR3 **Lab ID: C010667-11**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	361		1	1.00	10.0	100	ug/L	EPA 6010C	
Beryllium - Total	0.820	J	1	0.100	1.00	1	ug/L	EPA 6010C	
Cadmium - Total	0.487	J	1	0.360	1.00	1	ug/L	EPA 6010C	
Cobalt - Total	3.38	J	1	1.10	10.0	10	ug/L	EPA 6010C	

Client ID: 4501-BR3 **Lab ID: C010667-11**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Copper - Total	2.15	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Zinc - Total	46.1		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4501-SW1 **Lab ID: C010667-12**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	26.1	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chloromethane	0.41	J	1	0.34	1.0	1	ug/L	EPA 8260B	
Zinc - Total	18.8		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4501-Field Blank **Lab ID: C010667-13**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Manganese - Total	3.27	JB	1	1.10	10.0	50	ug/L	EPA 6010C	J-01

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ANALYTICAL RESULTS

Description: 4501-MW5 (Background) **Lab Sample ID:** C010667-01 **Received:** 09/24/10 10:15

Matrix: Ground Water **Sampled:** 09/23/10 09:24 **Work Order:** C010667

Project: Henderson Co. LF **Sampled By:** N. Rathjen/M. Mathis

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

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

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Description: 4501-MW5 (Background) | **Lab Sample ID:** C010667-01 | **Received:** 09/24/10 10:15

Matrix: Ground Water | **Sampled:** 09/23/10 09:24 | **Work Order:** C010667

Project: Henderson Co. LF | **Sampled By:** N. Rathjen/M. Mathis

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/01/10 01:13	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	10/01/10 01:13	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	10/01/10 01:13	JKG	
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/01/10 01:13	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*45*	*1*	*50.0*	*89 %*	*51-122*	*0I29026*	*EPA 8260B*	*10/01/10 01:13*	*JKG*	
Dibromofluoromethane	*45*	*1*	*50.0*	*89 %*	*68-117*	*0I29026*	*EPA 8260B*	*10/01/10 01:13*	*JKG*	
Toluene-d8	*45*	*1*	*50.0*	*90 %*	*69-110*	*0I29026*	*EPA 8260B*	*10/01/10 01:13*	*JKG*	

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Description:	4501-MW5 (Background)	**Lab Sample ID:**	C010667-01	**Received:**	09/24/10 10:15
Matrix:	Ground Water	**Sampled:**	09/23/10 09:24	**Work Order:**	C010667
Project:	Henderson Co. LF	**Sampled By:**	N. Rathjen/M. Mathis		

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	09/28/10 17:28	NLH	

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Description: 4501-MW5 (Background) | **Lab Sample ID:** C010667-01 | **Received:** 09/24/10 10:15

Matrix: Ground Water | **Sampled:** 09/23/10 09:24 | **Work Order:** C010667

Project: Henderson Co. LF | **Sampled By:** N. Rathjen/M. Mathis

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	09/30/10 11:07	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	09/28/10 12:27	VLO	
Barium [7440-39-3] ^	**34.3**	J	ug/L	1	1.00	10.0	100	EPA 6010C	09/28/10 12:27	VLO	
Beryllium [7440-41-7] ^	**0.198**	J	ug/L	1	0.100	1.00	1	EPA 6010C	09/28/10 12:27	VLO	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	09/28/10 12:27	VLO	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	09/28/10 12:27	VLO	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	09/28/10 12:27	VLO	
Copper [7440-50-8] ^	**1.77**	J	ug/L	1	1.60	10.0	10	EPA 6010C	09/28/10 12:27	VLO	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/28/10 12:27	VLO	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	09/28/10 12:27	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/28/10 12:27	VLO	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	09/30/10 11:07	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	09/28/10 12:27	VLO	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	09/28/10 12:27	VLO	

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Description:	4501-MW5 (Background)	**Lab Sample ID:**	C010667-01	**Received:**	09/24/10 10:15
Matrix:	Ground Water	**Sampled:**	09/23/10 09:24	**Work Order:**	C010667
Project:	Henderson Co. LF	**Sampled By:**	N. Rathjen/M. Mathis		

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

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Selenium [7782-49-2] ^	5.20	U	ug/L	1	5.20	10.0	10	EPA 6020A	10/15/10 12:57	JMA	

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:** C010667-02 | **Received:** 09/24/10 10:15

Matrix: Ground Water | **Sampled:** 09/23/10 10:15 | **Work Order:** C010667

Project: Henderson Co. LF | **Sampled By:** N. Rathjen/M. Mathis

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/01/10 01:42	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/01/10 01:42	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	10/01/10 01:42	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/01/10 01:42	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	10/01/10 01:42	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	10/01/10 01:42	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	10/01/10 01:42	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/01/10 01:42	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	10/01/10 01:42	JKG	
1,2-Dichlorobenzene [95-50-1] ^	**3.6**	J	ug/L	1	0.27	1.0	5	EPA 8260B	10/01/10 01:42	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	10/01/10 01:42	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/01/10 01:42	JKG	
1,4-Dichlorobenzene [106-46-7] ^	**15**		ug/L	1	0.38	1.0	1	EPA 8260B	10/01/10 01:42	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	10/01/10 01:42	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	10/01/10 01:42	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/01/10 01:42	JKG	
Acetone [67-64-1] ^	**8.7**	J	ug/L	1	1.5	5.0	100	EPA 8260B	10/01/10 01:42	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	10/01/10 01:42	JKG	
Benzene [71-43-2] ^	**0.98**	J	ug/L	1	0.20	1.0	1	EPA 8260B	10/01/10 01:42	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	10/01/10 01:42	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/01/10 01:42	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	10/01/10 01:42	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	10/01/10 01:42	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	10/01/10 01:42	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/01/10 01:42	JKG	
Chlorobenzene [108-90-7] ^	**7.5**		ug/L	1	0.27	1.0	3	EPA 8260B	10/01/10 01:42	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	10/01/10 01:42	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	10/01/10 01:42	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	10/01/10 01:42	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	10/01/10 01:42	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/01/10 01:42	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	10/01/10 01:42	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	10/01/10 01:42	JKG	
Ethylbenzene [100-41-4] ^	**2.1**		ug/L	1	0.20	1.0	1	EPA 8260B	10/01/10 01:42	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	10/01/10 01:42	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	10/01/10 01:42	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	10/01/10 01:42	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/01/10 01:42	JKG	
Toluene [108-88-3] ^	**3.1**		ug/L	1	0.27	1.0	1	EPA 8260B	10/01/10 01:42	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	10/01/10 01:42	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/01/10 01:42	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	10/01/10 01:42	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/01/10 01:42	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/01/10 01:42	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	10/01/10 01:42	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	10/01/10 01:42	JKG	

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

Lab Sample ID: C010667-02
Sampled: 09/23/10 10:15
Sampled By: N. Rathjen/M. Mathis

Received: 09/24/10 10:15
Work Order: C010667

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] ^	**5.4**		ug/L	1	0.40	1.0	5	EPA 8260B	10/01/10 01:42	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*41*	*1*	*50.0*	*82 %*	*51-122*	*0I29026*	*EPA 8260B*	*10/01/10 01:42*	*JKG*	
Dibromofluoromethane	*44*	*1*	*50.0*	*88 %*	*68-117*	*0I29026*	*EPA 8260B*	*10/01/10 01:42*	*JKG*	
Toluene-d8	*45*	*1*	*50.0*	*90 %*	*69-110*	*0I29026*	*EPA 8260B*	*10/01/10 01:42*	*JKG*	

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

Lab Sample ID: C010667-02
Sampled: 09/23/10 10:15
Sampled By: N. Rathjen/M. Mathis

Received: 09/24/10 10:15
Work Order: C010667

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	09/28/10 17:31	NLH	

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Description: 4501-MW6 | **Lab Sample ID:** C010667-02 | **Received:** 09/24/10 10:15

Matrix: Ground Water | **Sampled:** 09/23/10 10:15 | **Work Order:** C010667

Project: Henderson Co. LF | **Sampled By:** N. Rathjen/M. Mathis

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	09/30/10 11:10	VLO	
Arsenic [7440-38-2] ^	**5.27**	J	ug/L	1	2.80	10.0	10	EPA 6010C	09/28/10 12:30	VLO	
Barium [7440-39-3] ^	**335**		ug/L	1	1.00	10.0	100	EPA 6010C	09/28/10 12:30	VLO	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	09/28/10 12:30	VLO	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	09/28/10 12:30	VLO	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	09/28/10 12:30	VLO	
Cobalt [7440-48-4] ^	**2.13**	J	ug/L	1	1.10	10.0	10	EPA 6010C	09/28/10 12:30	VLO	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	09/28/10 12:30	VLO	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/28/10 12:30	VLO	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	09/28/10 12:30	VLO	
Silver [7440-22-4] ^	**2.52**	J	ug/L	1	1.90	10.0	10	EPA 6010C	09/28/10 12:30	VLO	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	09/30/10 11:10	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	09/28/10 12:30	VLO	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	09/28/10 12:30	VLO	

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

Lab Sample ID: C010667-02
Sampled: 09/23/10 10:15
Sampled By: N. Rathjen/M. Mathis

Received: 09/24/10 10:15
Work Order: C010667

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

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Selenium [7782-49-2] ^	5.20	U	ug/L	1	5.20	10.0	10	EPA 6020A	10/15/10 13:04	JMA	

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:** C010667-03 | **Received:** 09/24/10 10:15

Matrix: Ground Water | **Sampled:** 09/23/10 09:55 | **Work Order:** C010667

Project: Henderson Co. LF | **Sampled By:** N. Rathjen/M. Mathis

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/01/10 17:59	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/01/10 17:59	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	10/01/10 17:59	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/01/10 17:59	JKG	
1,1-Dichloroethane [75-34-3] ^	**0.64**	J	ug/L	1	0.33	1.0	5	EPA 8260B	10/01/10 17:59	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	10/01/10 17:59	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	10/01/10 17:59	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/01/10 17:59	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	10/01/10 17:59	JKG	
1,2-Dichlorobenzene [95-50-1] ^	**0.52**	J	ug/L	1	0.27	1.0	5	EPA 8260B	10/01/10 17:59	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	10/01/10 17:59	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/01/10 17:59	JKG	
1,4-Dichlorobenzene [106-46-7] ^	**8.8**		ug/L	1	0.38	1.0	1	EPA 8260B	10/01/10 17:59	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	10/01/10 17:59	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	10/01/10 17:59	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/01/10 17:59	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/01/10 17:59	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	10/01/10 17:59	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/01/10 17:59	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	10/01/10 17:59	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/01/10 17:59	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	10/01/10 17:59	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	10/01/10 17:59	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	10/01/10 17:59	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/01/10 17:59	JKG	
Chlorobenzene [108-90-7] ^	**6.3**		ug/L	1	0.27	1.0	3	EPA 8260B	10/01/10 17:59	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	10/01/10 17:59	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	10/01/10 17:59	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	10/01/10 17:59	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	**5.2**		ug/L	1	0.36	1.0	5	EPA 8260B	10/01/10 17:59	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/01/10 17:59	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	10/01/10 17:59	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	10/01/10 17:59	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/01/10 17:59	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	10/01/10 17:59	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	10/01/10 17:59	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	10/01/10 17:59	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/01/10 17:59	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/01/10 17:59	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	10/01/10 17:59	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/01/10 17:59	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	10/01/10 17:59	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/01/10 17:59	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/01/10 17:59	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	10/01/10 17:59	JKG	
Vinyl chloride [75-01-4] ^	**1.2**		ug/L	1	0.30	1.0	1	EPA 8260B	10/01/10 17:59	JKG	

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Description: 4501-MW7 (MS/MSD) | **Lab Sample ID:** C010667-03 | **Received:** 09/24/10 10:15

Matrix: Ground Water | **Sampled:** 09/23/10 09:55 | **Work Order:** C010667

Project: Henderson Co. LF | **Sampled By:** N. Rathjen/M. Mathis

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/01/10 17:59	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*45*	*1*	*50.0*	*90 %*	*51-122*	*0J01006*	*EPA 8260B*	*10/01/10 17:59*	*JKG*	
Dibromofluoromethane	*47*	*1*	*50.0*	*94 %*	*68-117*	*0J01006*	*EPA 8260B*	*10/01/10 17:59*	*JKG*	
Toluene-d8	*46*	*1*	*50.0*	*92 %*	*69-110*	*0J01006*	*EPA 8260B*	*10/01/10 17:59*	*JKG*	

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Description: 4501-MW7 (MS/MSD)
Matrix: Ground Water
Project: Henderson Co. LF

Lab Sample ID: C010667-03
Sampled: 09/23/10 09:55
Sampled By: N. Rathjen/M. Mathis

Received: 09/24/10 10:15
Work Order: C010667

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	09/28/10 17:02	NLH	

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Description: 4501-MW7 (MS/MSD) **Lab Sample ID:** C010667-03 **Received:** 09/24/10 10:15

Matrix: Ground Water **Sampled:** 09/23/10 09:55 **Work Order:** C010667

Project: Henderson Co. LF **Sampled By:** N. Rathjen/M. Mathis

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	09/30/10 10:50	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	09/28/10 12:13	VLO	
Barium [7440-39-3] ^	**302**		ug/L	1	1.00	10.0	100	EPA 6010C	09/28/10 12:13	VLO	
Beryllium [7440-41-7] ^	**0.570**	J	ug/L	1	0.100	1.00	1	EPA 6010C	09/28/10 12:13	VLO	
Cadmium [7440-43-9] ^	**0.493**	J	ug/L	1	0.360	1.00	1	EPA 6010C	09/28/10 12:13	VLO	
Chromium [7440-47-3] ^	**1.50**	J	ug/L	1	1.00	10.0	10	EPA 6010C	09/28/10 12:13	VLO	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	09/28/10 12:13	VLO	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	09/28/10 12:13	VLO	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/28/10 12:13	VLO	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	09/28/10 12:13	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/28/10 12:13	VLO	
Thallium [7440-28-0] ^	**0.124**	J	ug/L	1	0.110	1.00	5.5	EPA 6020A	09/30/10 10:50	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	09/28/10 12:13	VLO	
Zinc [7440-66-6] ^	**5.37**	J	ug/L	1	3.80	10.0	10	EPA 6010C	09/28/10 12:13	VLO	

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Description:	4501-MW7 (MS/MSD)	**Lab Sample ID:**	C010667-03	**Received:**	09/24/10 10:15
Matrix:	Ground Water	**Sampled:**	09/23/10 09:55	**Work Order:**	C010667
Project:	Henderson Co. LF	**Sampled By:**	N. Rathjen/M. Mathis		

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

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Selenium [7782-49-2] ^	5.20	U	ug/L	1	5.20	10.0	10	EPA 6020A	10/15/10 12:16	JMA	

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Description: 4501-MW8 | **Lab Sample ID:** C010667-04 | **Received:** 09/24/10 10:15
Matrix: Ground Water | **Sampled:** 09/23/10 09:42 | **Work Order:** C010667
Project: Henderson Co. LF | **Sampled By:** N. Rathjen/M. Mathis

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/01/10 18:58	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/01/10 18:58	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	10/01/10 18:58	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/01/10 18:58	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	10/01/10 18:58	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	10/01/10 18:58	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	10/01/10 18:58	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/01/10 18:58	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	10/01/10 18:58	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	10/01/10 18:58	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	10/01/10 18:58	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/01/10 18:58	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/01/10 18:58	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	10/01/10 18:58	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	10/01/10 18:58	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/01/10 18:58	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/01/10 18:58	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	10/01/10 18:58	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/01/10 18:58	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	10/01/10 18:58	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/01/10 18:58	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	10/01/10 18:58	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	10/01/10 18:58	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	10/01/10 18:58	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/01/10 18:58	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/01/10 18:58	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	10/01/10 18:58	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	10/01/10 18:58	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	10/01/10 18:58	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	10/01/10 18:58	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/01/10 18:58	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	10/01/10 18:58	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	10/01/10 18:58	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/01/10 18:58	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	10/01/10 18:58	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	10/01/10 18:58	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	10/01/10 18:58	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/01/10 18:58	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/01/10 18:58	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	10/01/10 18:58	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/01/10 18:58	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	10/01/10 18:58	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/01/10 18:58	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/01/10 18:58	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	10/01/10 18:58	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	10/01/10 18:58	JKG	

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Description: 4501-MW8 | **Lab Sample ID:** C010667-04 | **Received:** 09/24/10 10:15

Matrix: Ground Water | **Sampled:** 09/23/10 09:42 | **Work Order:** C010667

Project: Henderson Co. LF | **Sampled By:** N. Rathjen/M. Mathis

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/01/10 18:58	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*46*	*1*	*50.0*	*93 %*	*51-122*	*0J01006*	*EPA 8260B*	*10/01/10 18:58*	*JKG*	
Dibromofluoromethane	*47*	*1*	*50.0*	*93 %*	*68-117*	*0J01006*	*EPA 8260B*	*10/01/10 18:58*	*JKG*	
Toluene-d8	*46*	*1*	*50.0*	*91 %*	*69-110*	*0J01006*	*EPA 8260B*	*10/01/10 18:58*	*JKG*	

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Description:	4501-MW8	**Lab Sample ID:**	C010667-04	**Received:**	09/24/10 10:15
Matrix:	Ground Water	**Sampled:**	09/23/10 09:42	**Work Order:**	C010667
Project:	Henderson Co. LF	**Sampled By:**	N. Rathjen/M. Mathis		

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] ^	**0.371**		ug/L	1	0.170	0.200	0.2	EPA 7470A	09/28/10 17:34	NLH	

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Description: 4501-MW8 | **Lab Sample ID:** C010667-04 | **Received:** 09/24/10 10:15

Matrix: Ground Water | **Sampled:** 09/23/10 09:42 | **Work Order:** C010667

Project: Henderson Co. LF | **Sampled By:** N. Rathjen/M. Mathis

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	09/30/10 11:14	VLO	
Arsenic [7440-38-2] ^	**4.58**	J	ug/L	1	2.80	10.0	10	EPA 6010C	09/28/10 12:43	VLO	
Barium [7440-39-3] ^	**1130**		ug/L	1	1.00	10.0	100	EPA 6010C	09/28/10 12:43	VLO	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	09/28/10 12:43	VLO	
Cadmium [7440-43-9] ^	**0.618**	J	ug/L	1	0.360	1.00	1	EPA 6010C	09/28/10 12:43	VLO	
Chromium [7440-47-3] ^	**4.38**	J	ug/L	1	1.00	10.0	10	EPA 6010C	09/28/10 12:43	VLO	
Cobalt [7440-48-4] ^	**9.21**	J	ug/L	1	1.10	10.0	10	EPA 6010C	09/28/10 12:43	VLO	
Copper [7440-50-8] ^	**9.93**	J	ug/L	1	1.60	10.0	10	EPA 6010C	09/28/10 12:43	VLO	
Lead [7439-92-1] ^	**12.2**		ug/L	1	1.90	10.0	10	EPA 6010C	09/28/10 12:43	VLO	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	09/28/10 12:43	VLO	
Silver [7440-22-4] ^	**3.05**	J	ug/L	1	1.90	10.0	10	EPA 6010C	09/28/10 12:43	VLO	
Thallium [7440-28-0] ^	**1.18**	J	ug/L	1	0.110	1.00	5.5	EPA 6020A	09/30/10 11:14	VLO	
Vanadium [7440-62-2] ^	**14.7**	J	ug/L	1	1.40	10.0	25	EPA 6010C	09/28/10 12:43	VLO	
Zinc [7440-66-6] ^	**168**		ug/L	1	3.80	10.0	10	EPA 6010C	09/28/10 12:43	VLO	

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Description: 4501-MW8
Matrix: Ground Water
Project: Henderson Co. LF

Lab Sample ID: C010667-04
Sampled: 09/23/10 09:42
Sampled By: N. Rathjen/M. Mathis

Received: 09/24/10 10:15
Work Order: C010667

Metals (Dissolved) by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Mercury [7439-97-6] ^	0.170	U	ug/L	1	0.170	0.200	0.2	EPA 7470A	09/28/10 16:44	NLH	

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Description:	4501-MW8	**Lab Sample ID:**	C010667-04	**Received:**	09/24/10 10:15
Matrix:	Ground Water	**Sampled:**	09/23/10 09:42	**Work Order:**	C010667
Project:	Henderson Co. LF	**Sampled By:**	N. Rathjen/M. Mathis		

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

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Selenium [7782-49-2] ^	5.20	U	ug/L	1	5.20	10.0	10	EPA 6020A	10/15/10 13:54	JMA	

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

Lab Sample ID: C010667-05
Sampled: 09/23/10 08:09
Sampled By: N. Rathjen/M. Mathis

Received: 09/24/10 10:15
Work Order: C010667

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

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

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

Lab Sample ID: C010667-05
Sampled: 09/23/10 08:09
Sampled By: N. Rathjen/M. Mathis

Received: 09/24/10 10:15
Work Order: C010667

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/01/10 19:27	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*46*	*1*	*50.0*	*91 %*	*51-122*	*0J01006*	*EPA 8260B*	*10/01/10 19:27*	*JKG*	
Dibromofluoromethane	*48*	*1*	*50.0*	*96 %*	*68-117*	*0J01006*	*EPA 8260B*	*10/01/10 19:27*	*JKG*	
Toluene-d8	*45*	*1*	*50.0*	*90 %*	*69-110*	*0J01006*	*EPA 8260B*	*10/01/10 19:27*	*JKG*	

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

Lab Sample ID: C010667-05
Sampled: 09/23/10 08:09
Sampled By: N. Rathjen/M. Mathis

Received: 09/24/10 10:15
Work Order: C010667

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	09/28/10 17:37	NLH	

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

Lab Sample ID: C010667-05
Sampled: 09/23/10 08:09
Sampled By: N. Rathjen/M. Mathis

Received: 09/24/10 10:15
Work Order: C010667

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	09/30/10 11:24	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	09/28/10 12:45	VLO	
Barium [7440-39-3] ^	**86.5**	J	ug/L	1	1.00	10.0	100	EPA 6010C	09/28/10 12:45	VLO	
Beryllium [7440-41-7] ^	**0.492**	J	ug/L	1	0.100	1.00	1	EPA 6010C	09/28/10 12:45	VLO	
Cadmium [7440-43-9] ^	**0.416**	J	ug/L	1	0.360	1.00	1	EPA 6010C	09/28/10 12:45	VLO	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	09/28/10 12:45	VLO	
Cobalt [7440-48-4] ^	**3.42**	J	ug/L	1	1.10	10.0	10	EPA 6010C	09/28/10 12:45	VLO	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	09/28/10 12:45	VLO	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/28/10 12:45	VLO	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	09/28/10 12:45	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/28/10 12:45	VLO	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	09/30/10 11:24	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	09/28/10 12:45	VLO	
Zinc [7440-66-6] ^	**4.30**	J	ug/L	1	3.80	10.0	10	EPA 6010C	09/28/10 12:45	VLO	

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

Lab Sample ID: C010667-05
Sampled: 09/23/10 08:09
Sampled By: N. Rathjen/M. Mathis

Received: 09/24/10 10:15
Work Order: C010667

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

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Selenium [7782-49-2] ^	5.20	U	ug/L	1	5.20	10.0	10	EPA 6020A	10/15/10 14:01	JMA	

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

Lab Sample ID: C010667-06
Sampled: 09/23/10 08:17
Sampled By: N. Rathjen/M. Mathis

Received: 09/24/10 10:15
Work Order: C010667

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/01/10 19:57	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/01/10 19:57	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	10/01/10 19:57	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/01/10 19:57	JKG	
1,1-Dichloroethane [75-34-3] ^	**0.87**	J	ug/L	1	0.33	1.0	5	EPA 8260B	10/01/10 19:57	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	10/01/10 19:57	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	10/01/10 19:57	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/01/10 19:57	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	10/01/10 19:57	JKG	
1,2-Dichlorobenzene [95-50-1] ^	**0.64**	J	ug/L	1	0.27	1.0	5	EPA 8260B	10/01/10 19:57	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	10/01/10 19:57	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/01/10 19:57	JKG	
1,4-Dichlorobenzene [106-46-7] ^	**3.4**		ug/L	1	0.38	1.0	1	EPA 8260B	10/01/10 19:57	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	10/01/10 19:57	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	10/01/10 19:57	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/01/10 19:57	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/01/10 19:57	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	10/01/10 19:57	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/01/10 19:57	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	10/01/10 19:57	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/01/10 19:57	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	10/01/10 19:57	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	10/01/10 19:57	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	10/01/10 19:57	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/01/10 19:57	JKG	
Chlorobenzene [108-90-7] ^	**4.2**		ug/L	1	0.27	1.0	3	EPA 8260B	10/01/10 19:57	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	10/01/10 19:57	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	10/01/10 19:57	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	10/01/10 19:57	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	**1.7**	J	ug/L	1	0.36	1.0	5	EPA 8260B	10/01/10 19:57	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/01/10 19:57	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	10/01/10 19:57	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	10/01/10 19:57	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/01/10 19:57	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	10/01/10 19:57	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	10/01/10 19:57	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	10/01/10 19:57	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/01/10 19:57	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/01/10 19:57	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	10/01/10 19:57	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/01/10 19:57	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	10/01/10 19:57	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/01/10 19:57	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/01/10 19:57	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	10/01/10 19:57	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	10/01/10 19:57	JKG	

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

Lab Sample ID: C010667-06
Sampled: 09/23/10 08:17
Sampled By: N. Rathjen/M. Mathis

Received: 09/24/10 10:15
Work Order: C010667

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/01/10 19:57	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*47*	*1*	*50.0*	*94 %*	*51-122*	*0J01006*	*EPA 8260B*	*10/01/10 19:57*	*JKG*	
Dibromofluoromethane	*48*	*1*	*50.0*	*97 %*	*68-117*	*0J01006*	*EPA 8260B*	*10/01/10 19:57*	*JKG*	
Toluene-d8	*46*	*1*	*50.0*	*92 %*	*69-110*	*0J01006*	*EPA 8260B*	*10/01/10 19:57*	*JKG*	

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

Lab Sample ID: C010667-06
Sampled: 09/23/10 08:17
Sampled By: N. Rathjen/M. Mathis

Received: 09/24/10 10:15
Work Order: C010667

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	09/28/10 17:41	NLH	

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

Lab Sample ID: C010667-06
Sampled: 09/23/10 08:17
Sampled By: N. Rathjen/M. Mathis

Received: 09/24/10 10:15
Work Order: C010667

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	09/30/10 11:28	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	09/28/10 12:49	VLO	
Barium [7440-39-3] ^	**13.1**	J	ug/L	1	1.00	10.0	100	EPA 6010C	09/28/10 12:49	VLO	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	09/28/10 12:49	VLO	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	09/28/10 12:49	VLO	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	09/28/10 12:49	VLO	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	09/28/10 12:49	VLO	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	09/28/10 12:49	VLO	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/28/10 12:49	VLO	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	09/28/10 12:49	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/28/10 12:49	VLO	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	09/30/10 11:28	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	09/28/10 12:49	VLO	
Zinc [7440-66-6] ^	**5.86**	J	ug/L	1	3.80	10.0	10	EPA 6010C	09/28/10 12:49	VLO	

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

Lab Sample ID: C010667-06
Sampled: 09/23/10 08:17
Sampled By: N. Rathjen/M. Mathis

Received: 09/24/10 10:15
Work Order: C010667

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

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Selenium [7782-49-2] ^	5.20	U	ug/L	1	5.20	10.0	10	EPA 6020A	10/15/10 14:08	JMA	

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: C010667-07
Sampled: 09/23/10 08:40
Sampled By: N. Rathjen/M. Mathis

Received: 09/24/10 10:15
Work Order: C010667

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/01/10 20:27	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/01/10 20:27	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	10/01/10 20:27	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/01/10 20:27	JKG	
1,1-Dichloroethane [75-34-3] ^	**0.84**	J	ug/L	1	0.33	1.0	5	EPA 8260B	10/01/10 20:27	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	10/01/10 20:27	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	10/01/10 20:27	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/01/10 20:27	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	10/01/10 20:27	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	10/01/10 20:27	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	10/01/10 20:27	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/01/10 20:27	JKG	
1,4-Dichlorobenzene [106-46-7] ^	**0.91**	J	ug/L	1	0.38	1.0	1	EPA 8260B	10/01/10 20:27	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	10/01/10 20:27	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	10/01/10 20:27	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/01/10 20:27	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/01/10 20:27	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	10/01/10 20:27	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/01/10 20:27	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	10/01/10 20:27	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/01/10 20:27	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	10/01/10 20:27	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	10/01/10 20:27	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	10/01/10 20:27	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/01/10 20:27	JKG	
Chlorobenzene [108-90-7] ^	**0.55**	J	ug/L	1	0.27	1.0	3	EPA 8260B	10/01/10 20:27	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	10/01/10 20:27	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	10/01/10 20:27	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	10/01/10 20:27	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	**1.2**	J	ug/L	1	0.36	1.0	5	EPA 8260B	10/01/10 20:27	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/01/10 20:27	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	10/01/10 20:27	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	10/01/10 20:27	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/01/10 20:27	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	10/01/10 20:27	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	10/01/10 20:27	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	10/01/10 20:27	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/01/10 20:27	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/01/10 20:27	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	10/01/10 20:27	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/01/10 20:27	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	10/01/10 20:27	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/01/10 20:27	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/01/10 20:27	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	10/01/10 20:27	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	10/01/10 20:27	JKG	

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

Lab Sample ID: C010667-07
Sampled: 09/23/10 08:40
Sampled By: N. Rathjen/M. Mathis

Received: 09/24/10 10:15
Work Order: C010667

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/01/10 20:27	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*45*	*1*	*50.0*	*90 %*	*51-122*	*0J01006*	*EPA 8260B*	*10/01/10 20:27*	*JKG*	
Dibromofluoromethane	*46*	*1*	*50.0*	*92 %*	*68-117*	*0J01006*	*EPA 8260B*	*10/01/10 20:27*	*JKG*	
Toluene-d8	*45*	*1*	*50.0*	*90 %*	*69-110*	*0J01006*	*EPA 8260B*	*10/01/10 20:27*	*JKG*	

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

Lab Sample ID: C010667-07
Sampled: 09/23/10 08:40
Sampled By: N. Rathjen/M. Mathis

Received: 09/24/10 10:15
Work Order: C010667

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	09/28/10 17:44	NLH	

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

Lab Sample ID: C010667-07
Sampled: 09/23/10 08:40
Sampled By: N. Rathjen/M. Mathis

Received: 09/24/10 10:15
Work Order: C010667

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	09/30/10 11:31	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	09/28/10 12:52	VLO	
Barium [7440-39-3] ^	**7.69**	J	ug/L	1	1.00	10.0	100	EPA 6010C	09/28/10 12:52	VLO	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	09/28/10 12:52	VLO	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	09/28/10 12:52	VLO	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	09/28/10 12:52	VLO	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	09/28/10 12:52	VLO	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	09/28/10 12:52	VLO	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/28/10 12:52	VLO	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	09/28/10 12:52	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/28/10 12:52	VLO	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	09/30/10 11:31	VLO	
Vanadium [7440-62-2] ^	**4.79**	J	ug/L	1	1.40	10.0	25	EPA 6010C	09/28/10 12:52	VLO	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	09/28/10 12:52	VLO	

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Description:	4501-AMW2S	**Lab Sample ID:**	C010667-07	**Received:**	09/24/10 10:15
Matrix:	Ground Water	**Sampled:**	09/23/10 08:40	**Work Order:**	C010667
Project:	Henderson Co. LF	**Sampled By:**	N. Rathjen/M. Mathis		

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

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Selenium [7782-49-2] ^	5.20	U	ug/L	1	5.20	10.0	10	EPA 6020A	10/15/10 14:16	JMA	

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

Lab Sample ID: C010667-08
Sampled: 09/23/10 08:45
Sampled By: N. Rathjen/M. Mathis

Received: 09/24/10 10:15
Work Order: C010667

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

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

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

Lab Sample ID: C010667-08
Sampled: 09/23/10 08:45
Sampled By: N. Rathjen/M. Mathis

Received: 09/24/10 10:15
Work Order: C010667

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/01/10 20:56	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*48*	*1*	*50.0*	*96 %*	*51-122*	*0J01006*	*EPA 8260B*	*10/01/10 20:56*	*JKG*	
Dibromofluoromethane	*47*	*1*	*50.0*	*93 %*	*68-117*	*0J01006*	*EPA 8260B*	*10/01/10 20:56*	*JKG*	
Toluene-d8	*45*	*1*	*50.0*	*89 %*	*69-110*	*0J01006*	*EPA 8260B*	*10/01/10 20:56*	*JKG*	

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

Lab Sample ID: C010667-08
Sampled: 09/23/10 08:45
Sampled By: N. Rathjen/M. Mathis

Received: 09/24/10 10:15
Work Order: C010667

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	09/28/10 17:55	NLH	

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

Lab Sample ID: C010667-08
Sampled: 09/23/10 08:45
Sampled By: N. Rathjen/M. Mathis

Received: 09/24/10 10:15
Work Order: C010667

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	09/30/10 11:35	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	09/28/10 12:55	VLO	
Barium [7440-39-3] ^	**1.79**	J	ug/L	1	1.00	10.0	100	EPA 6010C	09/28/10 12:55	VLO	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	09/28/10 12:55	VLO	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	09/28/10 12:55	VLO	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	09/28/10 12:55	VLO	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	09/28/10 12:55	VLO	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	09/28/10 12:55	VLO	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/28/10 12:55	VLO	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	09/28/10 12:55	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/28/10 12:55	VLO	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	09/30/10 11:35	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	09/28/10 12:55	VLO	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	09/28/10 12:55	VLO	

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Description:	4501-AMW2D	**Lab Sample ID:**	C010667-08	**Received:**	09/24/10 10:15
Matrix:	Ground Water	**Sampled:**	09/23/10 08:45	**Work Order:**	C010667
Project:	Henderson Co. LF	**Sampled By:**	N. Rathjen/M. Mathis		

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

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Selenium [7782-49-2] ^	5.20	U	ug/L	1	5.20	10.0	10	EPA 6020A	10/15/10 14:23	JMA	

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:** C010667-09 | **Received:** 09/24/10 10:15

Matrix: Surface Water | **Sampled:** 09/23/10 15:55 | **Work Order:** C010667

Project: Henderson Co. LF | **Sampled By:** N. Rathjen/M. Mathis

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

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

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Description: 4501-BR1 | **Lab Sample ID:** C010667-09 | **Received:** 09/24/10 10:15

Matrix: Surface Water | **Sampled:** 09/23/10 15:55 | **Work Order:** C010667

Project: Henderson Co. LF | **Sampled By:** N. Rathjen/M. Mathis

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/01/10 21:25	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*47*	*1*	*50.0*	*93 %*	*51-122*	*0J01006*	*EPA 8260B*	*10/01/10 21:25*	*JKG*	
Dibromofluoromethane	*46*	*1*	*50.0*	*92 %*	*68-117*	*0J01006*	*EPA 8260B*	*10/01/10 21:25*	*JKG*	
Toluene-d8	*45*	*1*	*50.0*	*89 %*	*69-110*	*0J01006*	*EPA 8260B*	*10/01/10 21:25*	*JKG*	

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Description: 4501-BR1 | **Lab Sample ID:** C010667-09 | **Received:** 09/24/10 10:15

Matrix: Surface Water | **Sampled:** 09/23/10 15:55 | **Work Order:** C010667

Project: Henderson Co. LF | **Sampled By:** N. Rathjen/M. Mathis

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	09/30/10 11:38	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	09/28/10 12:59	VLO	
Barium [7440-39-3] ^	**45.6**	J	ug/L	1	1.00	10.0	100	EPA 6010C	09/28/10 12:59	VLO	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	09/28/10 12:59	VLO	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	09/28/10 12:59	VLO	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	09/28/10 12:59	VLO	
Cobalt [7440-48-4] ^	**2.38**	J	ug/L	1	1.10	10.0	10	EPA 6010C	09/28/10 12:59	VLO	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	09/28/10 12:59	VLO	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/28/10 12:59	VLO	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	09/28/10 12:59	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/28/10 12:59	VLO	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	09/30/10 11:38	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	09/28/10 12:59	VLO	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	09/28/10 12:59	VLO	

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Description:	4501-BR1	**Lab Sample ID:**	C010667-09	**Received:**	09/24/10 10:15
Matrix:	Surface Water	**Sampled:**	09/23/10 15:55	**Work Order:**	C010667
Project:	Henderson Co. LF	**Sampled By:**	N. Rathjen/M. Mathis		

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

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Selenium [7782-49-2] ^	5.20	U	ug/L	1	5.20	10.0	10	EPA 6020A	10/15/10 14:30	JMA	

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-BR2 | **Lab Sample ID:** C010667-10 | **Received:** 09/24/10 10:15

Matrix: Surface Water | **Sampled:** 09/23/10 15:25 | **Work Order:** C010667

Project: Henderson Co. LF | **Sampled By:** N. Rathjen/M. Mathis

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/02/10 00:53	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/02/10 00:53	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	10/02/10 00:53	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/02/10 00:53	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	10/02/10 00:53	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	10/02/10 00:53	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	10/02/10 00:53	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/02/10 00:53	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	10/02/10 00:53	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	10/02/10 00:53	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	10/02/10 00:53	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/02/10 00:53	JKG	
1,4-Dichlorobenzene [106-46-7] ^	**3.0**		ug/L	1	0.38	1.0	1	EPA 8260B	10/02/10 00:53	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	10/02/10 00:53	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	10/02/10 00:53	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/02/10 00:53	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/02/10 00:53	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	10/02/10 00:53	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/02/10 00:53	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	10/02/10 00:53	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/02/10 00:53	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	10/02/10 00:53	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	10/02/10 00:53	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	10/02/10 00:53	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/02/10 00:53	JKG	
Chlorobenzene [108-90-7] ^	**0.79**	J	ug/L	1	0.27	1.0	3	EPA 8260B	10/02/10 00:53	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	10/02/10 00:53	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	10/02/10 00:53	JKG	
Chloromethane [74-87-3] ^	**0.43**	J	ug/L	1	0.34	1.0	1	EPA 8260B	10/02/10 00:53	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	10/02/10 00:53	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/02/10 00:53	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	10/02/10 00:53	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	10/02/10 00:53	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/02/10 00:53	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	10/02/10 00:53	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	10/02/10 00:53	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	10/02/10 00:53	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/02/10 00:53	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/02/10 00:53	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	10/02/10 00:53	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/02/10 00:53	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	10/02/10 00:53	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/02/10 00:53	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/02/10 00:53	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	10/02/10 00:53	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	10/02/10 00:53	JKG	

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Description: 4501-BR2
Matrix: Surface Water
Project: Henderson Co. LF

Lab Sample ID: C010667-10
Sampled: 09/23/10 15:25
Sampled By: N. Rathjen/M. Mathis

Received: 09/24/10 10:15
Work Order: C010667

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/02/10 00:53	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*47*	*1*	*50.0*	*95 %*	*51-122*	*0J01009*	*EPA 8260B*	*10/02/10 00:53*	*JKG*	
Dibromofluoromethane	*47*	*1*	*50.0*	*94 %*	*68-117*	*0J01009*	*EPA 8260B*	*10/02/10 00:53*	*JKG*	
Toluene-d8	*50*	*1*	*50.0*	*99 %*	*69-110*	*0J01009*	*EPA 8260B*	*10/02/10 00:53*	*JKG*	

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Description: 4501-BR2 | **Lab Sample ID:** C010667-10 | **Received:** 09/24/10 10:15

Matrix: Surface Water | **Sampled:** 09/23/10 15:25 | **Work Order:** C010667

Project: Henderson Co. LF | **Sampled By:** N. Rathjen/M. Mathis

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	09/30/10 11:42	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	09/28/10 13:02	VLO	
Barium [7440-39-3] ^	**163**		ug/L	1	1.00	10.0	100	EPA 6010C	09/28/10 13:02	VLO	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	09/28/10 13:02	VLO	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	09/28/10 13:02	VLO	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	09/28/10 13:02	VLO	
Cobalt [7440-48-4] ^	**5.61**	J	ug/L	1	1.10	10.0	10	EPA 6010C	09/28/10 13:02	VLO	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	09/28/10 13:02	VLO	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/28/10 13:02	VLO	
Nickel [7440-02-0] ^	**2.24**	J	ug/L	1	1.80	10.0	50	EPA 6010C	09/28/10 13:02	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/28/10 13:02	VLO	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	09/30/10 11:42	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	09/28/10 13:02	VLO	
Zinc [7440-66-6] ^	**4.03**	J	ug/L	1	3.80	10.0	10	EPA 6010C	09/28/10 13:02	VLO	

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Description:	4501-BR2	**Lab Sample ID:**	C010667-10	**Received:**	09/24/10 10:15
Matrix:	Surface Water	**Sampled:**	09/23/10 15:25	**Work Order:**	C010667
Project:	Henderson Co. LF	**Sampled By:**	N. Rathjen/M. Mathis		

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

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Selenium [7782-49-2] ^	5.20	U	ug/L	1	5.20	10.0	10	EPA 6020A	10/15/10 14:38	JMA	

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:** C010667-11 | **Received:** 09/24/10 10:15

Matrix: Surface Water | **Sampled:** 09/23/10 16:45 | **Work Order:** C010667

Project: Henderson Co. LF | **Sampled By:** N. Rathjen/M. Mathis

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

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

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Description: 4501-BR3
Matrix: Surface Water
Project: Henderson Co. LF

Lab Sample ID: C010667-11
Sampled: 09/23/10 16:45
Sampled By: N. Rathjen/M. Mathis

Received: 09/24/10 10:15
Work Order: C010667

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/02/10 01:21	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*48*	*1*	*50.0*	*96 %*	*51-122*	*0J01009*	*EPA 8260B*	*10/02/10 01:21*	*JKG*	
Dibromofluoromethane	*47*	*1*	*50.0*	*93 %*	*68-117*	*0J01009*	*EPA 8260B*	*10/02/10 01:21*	*JKG*	
Toluene-d8	*49*	*1*	*50.0*	*97 %*	*69-110*	*0J01009*	*EPA 8260B*	*10/02/10 01:21*	*JKG*	

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Description: 4501-BR3 | **Lab Sample ID:** C010667-11 | **Received:** 09/24/10 10:15

Matrix: Surface Water | **Sampled:** 09/23/10 16:45 | **Work Order:** C010667

Project: Henderson Co. LF | **Sampled By:** N. Rathjen/M. Mathis

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	09/30/10 11:45	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	09/28/10 13:05	VLO	
Barium [7440-39-3] ^	**361**		ug/L	1	1.00	10.0	100	EPA 6010C	09/28/10 13:05	VLO	
Beryllium [7440-41-7] ^	**0.820**	J	ug/L	1	0.100	1.00	1	EPA 6010C	09/28/10 13:05	VLO	
Cadmium [7440-43-9] ^	**0.487**	J	ug/L	1	0.360	1.00	1	EPA 6010C	09/28/10 13:05	VLO	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	09/28/10 13:05	VLO	
Cobalt [7440-48-4] ^	**3.38**	J	ug/L	1	1.10	10.0	10	EPA 6010C	09/28/10 13:05	VLO	
Copper [7440-50-8] ^	**2.15**	J	ug/L	1	1.60	10.0	10	EPA 6010C	09/28/10 13:05	VLO	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/28/10 13:05	VLO	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	09/28/10 13:05	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/28/10 13:05	VLO	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	09/30/10 11:45	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	09/28/10 13:05	VLO	
Zinc [7440-66-6] ^	**46.1**		ug/L	1	3.80	10.0	10	EPA 6010C	09/28/10 13:05	VLO	

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Description:	4501-BR3	**Lab Sample ID:**	C010667-11	**Received:**	09/24/10 10:15
Matrix:	Surface Water	**Sampled:**	09/23/10 16:45	**Work Order:**	C010667
Project:	Henderson Co. LF	**Sampled By:**	N. Rathjen/M. Mathis		

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

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Selenium [7782-49-2] ^	5.20	U	ug/L	1	5.20	10.0	10	EPA 6020A	10/15/10 14:45	JMA	

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:** C010667-12 | **Received:** 09/24/10 10:15

Matrix: Surface Water | **Sampled:** 09/23/10 16:15 | **Work Order:** C010667

Project: Henderson Co. LF | **Sampled By:** N. Rathjen/M. Mathis

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/02/10 01:50	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/02/10 01:50	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	10/02/10 01:50	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/02/10 01:50	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	10/02/10 01:50	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	10/02/10 01:50	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	10/02/10 01:50	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/02/10 01:50	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	10/02/10 01:50	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	10/02/10 01:50	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	10/02/10 01:50	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/02/10 01:50	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/02/10 01:50	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	10/02/10 01:50	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	10/02/10 01:50	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/02/10 01:50	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/02/10 01:50	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	10/02/10 01:50	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/02/10 01:50	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	10/02/10 01:50	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/02/10 01:50	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	10/02/10 01:50	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	10/02/10 01:50	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	10/02/10 01:50	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/02/10 01:50	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/02/10 01:50	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	10/02/10 01:50	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	10/02/10 01:50	JKG	
Chloromethane [74-87-3] ^	**0.41**	J	ug/L	1	0.34	1.0	1	EPA 8260B	10/02/10 01:50	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	10/02/10 01:50	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/02/10 01:50	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	10/02/10 01:50	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	10/02/10 01:50	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/02/10 01:50	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	10/02/10 01:50	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	10/02/10 01:50	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	10/02/10 01:50	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/02/10 01:50	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/02/10 01:50	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	10/02/10 01:50	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/02/10 01:50	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	10/02/10 01:50	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/02/10 01:50	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/02/10 01:50	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	10/02/10 01:50	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	10/02/10 01:50	JKG	

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Description: 4501-SW1
Matrix: Surface Water
Project: Henderson Co. LF

Lab Sample ID: C010667-12
Sampled: 09/23/10 16:15
Sampled By: N. Rathjen/M. Mathis

Received: 09/24/10 10:15
Work Order: C010667

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/02/10 01:50	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*48*	*1*	*50.0*	*95 %*	*51-122*	*0J01009*	*EPA 8260B*	*10/02/10 01:50*	*JKG*	
Dibromofluoromethane	*48*	*1*	*50.0*	*95 %*	*68-117*	*0J01009*	*EPA 8260B*	*10/02/10 01:50*	*JKG*	
Toluene-d8	*48*	*1*	*50.0*	*97 %*	*69-110*	*0J01009*	*EPA 8260B*	*10/02/10 01:50*	*JKG*	

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Description: 4501-SW1 | **Lab Sample ID:** C010667-12 | **Received:** 09/24/10 10:15

Matrix: Surface Water | **Sampled:** 09/23/10 16:15 | **Work Order:** C010667

Project: Henderson Co. LF | **Sampled By:** N. Rathjen/M. Mathis

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	09/30/10 11:48	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	09/28/10 13:09	VLO	
Barium [7440-39-3] ^	**26.1**	J	ug/L	1	1.00	10.0	100	EPA 6010C	09/28/10 13:09	VLO	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	09/28/10 13:09	VLO	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	09/28/10 13:09	VLO	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	09/28/10 13:09	VLO	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	09/28/10 13:09	VLO	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	09/28/10 13:09	VLO	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/28/10 13:09	VLO	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	09/28/10 13:09	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/28/10 13:09	VLO	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	09/30/10 11:48	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	09/28/10 13:09	VLO	
Zinc [7440-66-6] ^	**18.8**		ug/L	1	3.80	10.0	10	EPA 6010C	09/28/10 13:09	VLO	

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Description:	4501-SW1	**Lab Sample ID:**	C010667-12	**Received:**	09/24/10 10:15
Matrix:	Surface Water	**Sampled:**	09/23/10 16:15	**Work Order:**	C010667
Project:	Henderson Co. LF	**Sampled By:**	N. Rathjen/M. Mathis		

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

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Selenium [7782-49-2] ^	5.20	U	ug/L	1	5.20	10.0	10	EPA 6020A	10/15/10 14:52	JMA	

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:** C010667-13 | **Received:** 09/24/10 10:15
Matrix: Ground Water | **Sampled:** 09/23/10 10:05 | **Work Order:** C010667
Project: Henderson Co. LF | **Sampled By:** N. Rathjen/M. Mathis

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

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

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

Lab Sample ID: C010667-13
Sampled: 09/23/10 10:05
Sampled By: N. Rathjen/M. Mathis

Received: 09/24/10 10:15
Work Order: C010667

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/02/10 02:18	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*48*	*1*	*50.0*	*97 %*	*51-122*	*0J01009*	*EPA 8260B*	*10/02/10 02:18*	*JKG*	
Dibromofluoromethane	*48*	*1*	*50.0*	*95 %*	*68-117*	*0J01009*	*EPA 8260B*	*10/02/10 02:18*	*JKG*	
Toluene-d8	*49*	*1*	*50.0*	*98 %*	*69-110*	*0J01009*	*EPA 8260B*	*10/02/10 02:18*	*JKG*	

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

Lab Sample ID: C010667-13
Sampled: 09/23/10 10:05
Sampled By: N. Rathjen/M. Mathis

Received: 09/24/10 10:15
Work Order: C010667

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	09/28/10 17:59	NLH	

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

Lab Sample ID: C010667-13
Sampled: 09/23/10 10:05
Sampled By: N. Rathjen/M. Mathis

Received: 09/24/10 10:15
Work Order: C010667

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	09/30/10 11:52	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	09/28/10 13:12	VLO	
Barium [7440-39-3] ^	1.00	U	ug/L	1	1.00	10.0	100	EPA 6010C	09/28/10 13:12	VLO	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	09/28/10 13:12	VLO	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	09/28/10 13:12	VLO	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	09/28/10 13:12	VLO	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	09/28/10 13:12	VLO	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	09/28/10 13:12	VLO	
Iron [7439-89-6] ^	22.0	U	ug/L	1	22.0	50.0	300	EPA 6010C	09/28/10 13:12	VLO	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/28/10 13:12	VLO	
Manganese [7439-96-5] ^	**3.27**	JB	ug/L	1	1.10	10.0	50	EPA 6010C	09/28/10 13:12	VLO	J-01
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	09/28/10 13:12	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/28/10 13:12	VLO	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	09/30/10 11:52	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	09/28/10 13:12	VLO	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	09/28/10 13:12	VLO	

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

Lab Sample ID: C010667-13
Sampled: 09/23/10 10:05
Sampled By: N. Rathjen/M. Mathis

Received: 09/24/10 10:15
Work Order: C010667

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

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Selenium [7782-49-2] ^	5.20	U	ug/L	1	5.20	10.0	10	EPA 6020A	10/15/10 16:39	JMA	

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
Matrix: Surface Water
Project: Henderson Co. LF

Lab Sample ID: C010667-14
Sampled: 09/23/10 08:09
Sampled By: ENCO

Received: 09/24/10 10:15
Work Order: C010667

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

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

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

Lab Sample ID: C010667-14
Sampled: 09/23/10 08:09
Sampled By: ENCO

Received: 09/24/10 10:15
Work Order: C010667

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/02/10 02:46	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*47*	*1*	*50.0*	*95 %*	*51-122*	*0J01009*	*EPA 8260B*	*10/02/10 02:46*	*JKG*	
Dibromofluoromethane	*47*	*1*	*50.0*	*93 %*	*68-117*	*0J01009*	*EPA 8260B*	*10/02/10 02:46*	*JKG*	
Toluene-d8	*49*	*1*	*50.0*	*98 %*	*69-110*	*0J01009*	*EPA 8260B*	*10/02/10 02:46*	*JKG*	

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QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0I29026 - EPA 5030B_MS

Blank (0I29026-BLK1) Prepared: 09/29/2010 11:13 Analyzed: 09/30/2010 15:50

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.40	U	1.0	ug/L							
1,1,1-Trichloroethane	0.27	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.33	U	1.0	ug/L							
1,1,2-Trichloroethane	0.37	U	1.0	ug/L							
1,1-Dichloroethane	0.33	U	1.0	ug/L							
1,1-Dichloroethene	0.24	U	1.0	ug/L							
1,2,3-Trichloropropane	0.55	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.42	U	1.0	ug/L							
1,2-Dichlorobenzene	0.27	U	1.0	ug/L							
1,2-Dichloroethane	0.65	U	1.0	ug/L							
1,2-Dichloropropane	0.20	U	1.0	ug/L							
1,4-Dichlorobenzene	0.38	U	1.0	ug/L							
2-Butanone	1.0	U	5.0	ug/L							
2-Hexanone	0.69	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.5	U	5.0	ug/L							
Acrylonitrile	2.1	U	10	ug/L							
Benzene	0.20	U	1.0	ug/L							
Bromochloromethane	0.42	U	1.0	ug/L							
Bromodichloromethane	0.37	U	1.0	ug/L							
Bromoform	0.71	U	1.0	ug/L							
Bromomethane	0.49	U	1.0	ug/L							
Carbon disulfide	0.54	U	5.0	ug/L							
Carbon tetrachloride	0.38	U	1.0	ug/L							
Chlorobenzene	0.27	U	1.0	ug/L							
Chloroethane	0.30	U	1.0	ug/L							
Chloroform	0.20	U	1.0	ug/L							
Chloromethane	0.34	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.36	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.28	U	1.0	ug/L							
Dibromochloromethane	0.32	U	1.0	ug/L							
Dibromomethane	0.37	U	1.0	ug/L							
Ethylbenzene	0.20	U	1.0	ug/L							
Iodomethane	0.52	U	5.0	ug/L							
Methylene chloride	0.53	U	1.0	ug/L							
Styrene	0.26	U	1.0	ug/L							
Tetrachloroethene	0.36	U	1.0	ug/L							
Toluene	0.27	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.34	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.38	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.54	U	1.0	ug/L							
Trichloroethene	0.38	U	1.0	ug/L							
Trichlorofluoromethane	0.28	U	1.0	ug/L							
Vinyl acetate	0.98	U	5.0	ug/L							
Vinyl chloride	0.30	U	1.0	ug/L							
Xylenes (Total)	0.40	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*46*			*ug/L*	*50.0*		*92*	*51-122*			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0I29026 - EPA 5030B_MS

Blank (0I29026-BLK1) Continued Prepared: 09/29/2010 11:13 Analyzed: 09/30/2010 15:50

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Dibromofluoromethane	*47*			*ug/L*	*50.0*		*94*	*68-117*			
Surrogate: Toluene-d8	*45*			*ug/L*	*50.0*		*90*	*69-110*			

LCS (0I29026-BS1) Prepared: 09/29/2010 11:13 Analyzed: 09/30/2010 16:20

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		99	75-133			
Benzene	23		1.0	ug/L	20.0		114	81-134			
Chlorobenzene	19		1.0	ug/L	20.0		97	83-117			
Toluene	18		1.0	ug/L	20.0		89	71-118			
Trichloroethene	21		1.0	ug/L	20.0		103	75-115			

Matrix Spike (0I29026-MS1) Prepared: 09/29/2010 11:13 Analyzed: 09/30/2010 16:50

Source: C011709-09

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0	0.24 U	93	75-133			
Benzene	22		1.0	ug/L	20.0	0.20 U	109	81-134			
Chlorobenzene	18		1.0	ug/L	20.0	0.27 U	91	83-117			
Toluene	17		1.0	ug/L	20.0	0.27 U	85	71-118			
Trichloroethene	20		1.0	ug/L	20.0	0.38 U	98	75-115			

Matrix Spike Dup (0I29026-MSD1) Prepared: 09/29/2010 11:13 Analyzed: 09/30/2010 17:20

Source: C011709-09

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	18		1.0	ug/L	20.0	0.24 U	91	75-133	2	20	
Benzene	21		1.0	ug/L	20.0	0.20 U	104	81-134	4	17	
Chlorobenzene	18		1.0	ug/L	20.0	0.27 U	89	83-117	2	16	
Toluene	17		1.0	ug/L	20.0	0.27 U	83	71-118	3	17	
Trichloroethene	19		1.0	ug/L	20.0	0.38 U	94	75-115	4	18	

Batch 0J01006 - EPA 5030B_MS

Blank (0J01006-BLK1) Prepared: 10/01/2010 08:11 Analyzed: 10/01/2010 15:31

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.40	U	1.0	ug/L							
1,1,1-Trichloroethane	0.27	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.33	U	1.0	ug/L							
1,1,2-Trichloroethane	0.37	U	1.0	ug/L							
1,1-Dichloroethane	0.33	U	1.0	ug/L							
1,1-Dichloroethene	0.24	U	1.0	ug/L							
1,2,3-Trichloropropane	0.55	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.42	U	1.0	ug/L							
1,2-Dichlorobenzene	0.27	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0J01006 - EPA 5030B_MS

Blank (0J01006-BLK1) Continued Prepared: 10/01/2010 08:11 Analyzed: 10/01/2010 15:31

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dichloroethane	0.65	U	1.0	ug/L							
1,2-Dichloropropane	0.20	U	1.0	ug/L							
1,4-Dichlorobenzene	0.38	U	1.0	ug/L							
2-Butanone	1.0	U	5.0	ug/L							
2-Hexanone	0.69	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.5	U	5.0	ug/L							
Acrylonitrile	2.1	U	10	ug/L							
Benzene	0.20	U	1.0	ug/L							
Bromochloromethane	0.42	U	1.0	ug/L							
Bromodichloromethane	0.37	U	1.0	ug/L							
Bromoform	0.71	U	1.0	ug/L							
Bromomethane	0.49	U	1.0	ug/L							
Carbon disulfide	0.54	U	5.0	ug/L							
Carbon tetrachloride	0.38	U	1.0	ug/L							
Chlorobenzene	0.27	U	1.0	ug/L							
Chloroethane	0.30	U	1.0	ug/L							
Chloroform	0.20	U	1.0	ug/L							
Chloromethane	0.34	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.36	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.28	U	1.0	ug/L							
Dibromochloromethane	0.32	U	1.0	ug/L							
Dibromomethane	0.37	U	1.0	ug/L							
Ethylbenzene	0.20	U	1.0	ug/L							
Iodomethane	0.52	U	5.0	ug/L							
Methylene chloride	0.53	U	1.0	ug/L							
Styrene	0.26	U	1.0	ug/L							
Tetrachloroethene	0.36	U	1.0	ug/L							
Toluene	0.27	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.34	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.38	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.54	U	1.0	ug/L							
Trichloroethene	0.38	U	1.0	ug/L							
Trichlorofluoromethane	0.28	U	1.0	ug/L							
Vinyl acetate	0.98	U	5.0	ug/L							
Vinyl chloride	0.30	U	1.0	ug/L							
Xylenes (Total)	0.40	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*46*			*ug/L*	*50.0*		*93*	*51-122*			
Surrogate: Dibromofluoromethane	*47*			*ug/L*	*50.0*		*94*	*68-117*			
Surrogate: Toluene-d8	*45*			*ug/L*	*50.0*		*90*	*69-110*			

LCS (0J01006-BS1) Prepared: 10/01/2010 08:11 Analyzed: 10/01/2010 16:00

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	18		1.0	ug/L	20.0		88	75-133			
Benzene	21		1.0	ug/L	20.0		103	81-134			
Chlorobenzene	18		1.0	ug/L	20.0		89	83-117			
Toluene	16		1.0	ug/L	20.0		82	71-118			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0J01006 - EPA 5030B_MS

LCS (0J01006-BS1) Continued Prepared: 10/01/2010 08:11 Analyzed: 10/01/2010 16:00

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Trichloroethene	19		1.0	ug/L	20.0		93	75-115			

Matrix Spike (0J01006-MS1) Prepared: 10/01/2010 08:11 Analyzed: 10/01/2010 16:30

Source: C010667-03

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	0.24 U	98	75-133			
Benzene	24		1.0	ug/L	20.0	0.20 U	120	81-134			
Chlorobenzene	24		1.0	ug/L	20.0	6.3	87	83-117			
Toluene	17		1.0	ug/L	20.0	0.27 U	84	71-118			
Trichloroethene	19		1.0	ug/L	20.0	0.38 U	95	75-115			

Matrix Spike Dup (0J01006-MSD1) Prepared: 10/01/2010 08:11 Analyzed: 10/01/2010 17:00

Source: C010667-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0	0.24 U	94	75-133	4	20	
Benzene	23		1.0	ug/L	20.0	0.20 U	116	81-134	3	17	
Chlorobenzene	24		1.0	ug/L	20.0	6.3	87	83-117	0.2	16	
Toluene	17		1.0	ug/L	20.0	0.27 U	86	71-118	3	17	
Trichloroethene	20		1.0	ug/L	20.0	0.38 U	98	75-115	4	18	

Batch 0J01009 - EPA 5030B_MS

Blank (0J01009-BLK1) Prepared: 10/01/2010 09:27 Analyzed: 10/01/2010 22:03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.40	U	1.0	ug/L							
1,1,1-Trichloroethane	0.27	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.33	U	1.0	ug/L							
1,1,2-Trichloroethane	0.37	U	1.0	ug/L							
1,1-Dichloroethane	0.33	U	1.0	ug/L							
1,1-Dichloroethene	0.24	U	1.0	ug/L							
1,2,3-Trichloropropane	0.55	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.42	U	1.0	ug/L							
1,2-Dichlorobenzene	0.27	U	1.0	ug/L							
1,2-Dichloroethane	0.65	U	1.0	ug/L							
1,2-Dichloropropane	0.20	U	1.0	ug/L							
1,4-Dichlorobenzene	0.38	U	1.0	ug/L							
2-Butanone	1.0	U	5.0	ug/L							
2-Hexanone	0.69	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.5	U	5.0	ug/L							
Acrylonitrile	2.1	U	10	ug/L							
Benzene	0.20	U	1.0	ug/L							
Bromochloromethane	0.42	U	1.0	ug/L							
Bromodichloromethane	0.37	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0J01009 - EPA 5030B_MS

Blank (0J01009-BLK1) Continued Prepared: 10/01/2010 09:27 Analyzed: 10/01/2010 22:03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Bromoform	0.71	U	1.0	ug/L							
Bromomethane	0.49	U	1.0	ug/L							
Carbon disulfide	0.54	U	5.0	ug/L							
Carbon tetrachloride	0.38	U	1.0	ug/L							
Chlorobenzene	0.27	U	1.0	ug/L							
Chloroethane	0.30	U	1.0	ug/L							
Chloroform	0.20	U	1.0	ug/L							
Chloromethane	0.34	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.36	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.28	U	1.0	ug/L							
Dibromochloromethane	0.32	U	1.0	ug/L							
Dibromomethane	0.37	U	1.0	ug/L							
Ethylbenzene	0.20	U	1.0	ug/L							
Iodomethane	0.52	U	5.0	ug/L							
Methylene chloride	0.53	U	1.0	ug/L							
Styrene	0.26	U	1.0	ug/L							
Tetrachloroethene	0.36	U	1.0	ug/L							
Toluene	0.27	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.34	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.38	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.54	U	1.0	ug/L							
Trichloroethene	0.38	U	1.0	ug/L							
Trichlorofluoromethane	0.28	U	1.0	ug/L							
Vinyl acetate	0.98	U	5.0	ug/L							
Vinyl chloride	0.30	U	1.0	ug/L							
Xylenes (Total)	0.40	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*48*			*ug/L*	*50.0*		*95*	*51-122*			
Surrogate: Dibromofluoromethane	*47*			*ug/L*	*50.0*		*94*	*68-117*			
Surrogate: Toluene-d8	*48*			*ug/L*	*50.0*		*96*	*69-110*			

LCS (0J01009-BS1) Prepared: 10/01/2010 09:27 Analyzed: 10/01/2010 22:32

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	18		1.0	ug/L	20.0		89	75-133			
Benzene	19		1.0	ug/L	20.0		93	81-134			
Chlorobenzene	20		1.0	ug/L	20.0		100	83-117			
Toluene	19		1.0	ug/L	20.0		95	71-118			
Trichloroethene	20		1.0	ug/L	20.0		99	75-115			

Matrix Spike (0J01009-MS1) Prepared: 10/01/2010 09:27 Analyzed: 10/01/2010 23:00

Source: C010668-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	18		1.0	ug/L	20.0	0.24 U	92	75-133			
Benzene	18		1.0	ug/L	20.0	0.20 U	92	81-134			
Chlorobenzene	19		1.0	ug/L	20.0	0.27 U	96	83-117			
Toluene	19		1.0	ug/L	20.0	0.27 U	93	71-118			
Trichloroethene	20		1.0	ug/L	20.0	0.38 U	99	75-115			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0J01009 - EPA 5030B_MS

Matrix Spike Dup (0J01009-MSD1) Prepared: 10/01/2010 09:27 Analyzed: 10/01/2010 23:28

Source: C010668-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0	0.24 U	97	75-133	4	20	
Benzene	19		1.0	ug/L	20.0	0.20 U	94	81-134	2	17	
Chlorobenzene	20		1.0	ug/L	20.0	0.27 U	99	83-117	3	16	
Toluene	19		1.0	ug/L	20.0	0.27 U	95	71-118	2	17	
Trichloroethene	20		1.0	ug/L	20.0	0.38 U	101	75-115	2	18	

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 0I28013 - EPA 245.1

Blank (0I28013-BLK1) Prepared: 09/28/2010 10:23 Analyzed: 09/28/2010 16:56

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 (0I28013-BS1) Prepared: 09/28/2010 10:23 Analyzed: 09/28/2010 16:59

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.50		0.200	ug/L	5.00		110	85-115			

Matrix Spike (0I28013-MS1) Prepared: 09/28/2010 10:23 Analyzed: 09/28/2010 17:16

Source: C010667-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.14		0.200	ug/L	5.00	0.170 U	103	85-115			

Matrix Spike Dup (0I28013-MSD1) Prepared: 09/28/2010 10:23 Analyzed: 09/28/2010 17:19

Source: C010667-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.69		0.200	ug/L	5.00	0.170 U	94	85-115	9	15	

Post Spike (0I28013-PS1) Prepared: 09/28/2010 10:23 Analyzed: 09/28/2010 17:22

Source: C010667-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.39		0.200	ug/L	5.00	-0.451	97	75-125			

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

Batch 0I27015 - EPA 3005A

Blank (0I27015-BLK1) Prepared: 09/27/2010 09:43 Analyzed: 09/28/2010 12:07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	2.80	U	10.0	ug/L							

QUALITY CONTROL

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

Batch 0I27015 - EPA 3005A

Blank (0I27015-BLK1) Continued Prepared: 09/27/2010 09:43 Analyzed: 09/28/2010 12:07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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	**1.15**	**J**	10.0	ug/L							
Nickel	1.80	U	10.0	ug/L							
Silver	1.90	U	10.0	ug/L							
Vanadium	1.40	U	10.0	ug/L							
Zinc	3.80	U	10.0	ug/L							

LCS (0I27015-BS1) Prepared: 09/27/2010 09:43 Analyzed: 09/28/2010 12:10

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	570		10.0	ug/L	500		114	80-120			
Barium	555		10.0	ug/L	500		111	80-120			
Beryllium	282		1.00	ug/L	250		113	80-120			
Cadmium	283		1.00	ug/L	250		113	80-120			
Chromium	560		10.0	ug/L	500		112	80-120			
Cobalt	550		10.0	ug/L	500		110	80-120			
Copper	283		10.0	ug/L	250		113	80-120			
Iron	5510		50.0	ug/L	5000		110	80-120			
Lead	561		10.0	ug/L	500		112	80-120			
Manganese	275	B	10.0	ug/L	250		110	80-120			
Nickel	558		10.0	ug/L	500		112	80-120			
Silver	287		10.0	ug/L	250		115	80-120			
Vanadium	272		10.0	ug/L	250		109	80-120			
Zinc	562		10.0	ug/L	500		112	80-120			

Matrix Spike (0I27015-MS1) Prepared: 09/27/2010 09:43 Analyzed: 09/28/2010 12:16

Source: C010667-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	584		10.0	ug/L	500	2.80 U	117	75-125			
Barium	887		10.0	ug/L	500	302	117	75-125			
Beryllium	292		1.00	ug/L	250	0.570	117	75-125			
Cadmium	282		1.00	ug/L	250	0.493	113	75-125			
Chromium	556		10.0	ug/L	500	1.50	111	75-125			
Cobalt	571		10.0	ug/L	500	1.10 U	114	75-125			
Copper	281		10.0	ug/L	250	1.60 U	112	75-125			
Iron	5990		50.0	ug/L	5000	412	112	75-125			
Lead	569		10.0	ug/L	500	1.90 U	114	75-125			
Manganese	2900	B	10.0	ug/L	250	2460	176	75-125			QM-07
Nickel	555		10.0	ug/L	500	1.80 U	111	75-125			
Silver	280		10.0	ug/L	250	1.90 U	112	75-125			

QUALITY CONTROL

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

Batch 0I27015 - EPA 3005A

Matrix Spike (0I27015-MS1) Continued Prepared: 09/27/2010 09:43 Analyzed: 09/28/2010 12:16

Source: C010667-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vanadium	274		10.0	ug/L	250	1.40 U	110	75-125			
Zinc	567		10.0	ug/L	500	5.37	112	75-125			

Matrix Spike Dup (0I27015-MSD1) Prepared: 09/27/2010 09:43 Analyzed: 09/28/2010 12:18

Source: C010667-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	583		10.0	ug/L	500	2.80 U	117	75-125	0.2	20	
Barium	882		10.0	ug/L	500	302	116	75-125	0.6	20	
Beryllium	290		1.00	ug/L	250	0.570	116	75-125	0.8	20	
Cadmium	280		1.00	ug/L	250	0.493	112	75-125	0.7	20	
Chromium	554		10.0	ug/L	500	1.50	111	75-125	0.2	20	
Cobalt	569		10.0	ug/L	500	1.10 U	114	75-125	0.3	20	
Copper	281		10.0	ug/L	250	1.60 U	112	75-125	0.002	20	
Iron	5970		50.0	ug/L	5000	412	111	75-125	0.3	20	
Lead	567		10.0	ug/L	500	1.90 U	113	75-125	0.4	20	
Manganese	2880	B	10.0	ug/L	250	2460	167	75-125	0.8	20	QM-07
Nickel	551		10.0	ug/L	500	1.80 U	110	75-125	0.6	20	
Silver	278		10.0	ug/L	250	1.90 U	111	75-125	0.7	20	
Vanadium	273		10.0	ug/L	250	1.40 U	109	75-125	0.3	20	
Zinc	563		10.0	ug/L	500	5.37	112	75-125	0.7	20	

Post Spike (0I27015-PS1) Prepared: 09/27/2010 09:43 Analyzed: 09/28/2010 12:21

Source: C010667-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1.23		0.0100	mg/L	1.00	0.00128	123	80-120			QM-08
Barium	1.53		0.0100	mg/L	1.00	0.302	123	80-120			QM-08
Beryllium	0.609		0.00100	mg/L	0.500	0.000570	122	80-120			QM-08
Cadmium	0.605		0.00100	mg/L	0.500	0.000493	121	80-120			QM-08
Chromium	1.20		0.0100	mg/L	1.00	0.00150	120	80-120			
Cobalt	1.17		0.0100	mg/L	1.00	0.000941	117	80-120			
Copper	0.615		0.0100	mg/L	0.500	0.000584	123	80-120			QM-08
Iron	12.3		0.0500	mg/L	10.0	0.412	119	80-120			
Lead	1.19		0.0100	mg/L	1.00	0.000912	119	80-120			
Manganese	3.09	B	0.0100	mg/L	0.500	2.46	124	80-120			QM-08
Nickel	1.18		0.0100	mg/L	1.00	-0.000286	118	80-120			
Silver	0.544		0.0100	mg/L	0.500	0.00116	109	80-120			
Vanadium	0.593		0.0100	mg/L	0.500	0.000422	118	80-120			
Zinc	1.21		0.0100	mg/L	1.00	0.00537	120	80-120			

Batch 0I28011 - EPA 3005A

Blank (0I28011-BLK1) Prepared: 09/28/2010 10:15 Analyzed: 09/30/2010 10:43

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

QUALITY CONTROL

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

Batch 0I28011 - EPA 3005A

Blank (0I28011-BLK1) Continued Prepared: 09/28/2010 10:15 Analyzed: 09/30/2010 10:43

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

LCS (0I28011-BS1) Prepared: 09/28/2010 10:15 Analyzed: 09/30/2010 10:46

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	27.2		2.00	ug/L	25.0		109	80-120			
Thallium	27.3		1.00	ug/L	25.0		109	80-120			

Matrix Spike (0I28011-MS1) Prepared: 09/28/2010 10:15 Analyzed: 09/30/2010 10:53

Source: C010667-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	26.2		2.00	ug/L	25.0	0.220 U	105	75-125			
Thallium	26.6		1.00	ug/L	25.0	0.124	106	75-125			

Matrix Spike Dup (0I28011-MSD1) Prepared: 09/28/2010 10:15 Analyzed: 09/30/2010 10:56

Source: C010667-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	26.9		2.00	ug/L	25.0	0.220 U	108	75-125	2	20	
Thallium	27.3		1.00	ug/L	25.0	0.124	109	75-125	2	20	

Post Spike (0I28011-PS1) Prepared: 09/28/2010 10:15 Analyzed: 09/30/2010 11:00

Source: C010667-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	27.1		2.00	ug/L	25.0	0.00600	108	80-120			
Thallium	26.6		1.00	ug/L	25.0	0.124	106	80-120			

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

Batch 0I28015 - EPA 245.1

Blank (0I28015-BLK1) Prepared: 09/28/2010 10:36 Analyzed: 09/28/2010 16:14

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 (0I28015-BS1) Prepared: 09/28/2010 10:36 Analyzed: 09/28/2010 16:18

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.26		0.200	ug/L	5.00		105	85-115			

Matrix Spike (0I28015-MS1) Prepared: 09/28/2010 10:36 Analyzed: 09/28/2010 16:24

Source: C010668-02

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

QUALITY CONTROL

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

Batch 0I28015 - EPA 245.1

Matrix Spike (0I28015-MS1) Continued Prepared: 09/28/2010 10:36 Analyzed: 09/28/2010 16:24

Source: C010668-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.35		0.200	ug/L	5.00	0.170 U	107	85-115			

Matrix Spike Dup (0I28015-MSD1) Prepared: 09/28/2010 10:36 Analyzed: 09/28/2010 16:35

Source: C010668-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.58		0.200	ug/L	5.00	0.170 U	112	85-115	4	15	

Post Spike (0I28015-PS1) Prepared: 09/28/2010 10:36 Analyzed: 09/28/2010 16:38

Source: C010668-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.77		0.200	ug/L	5.00	-0.367	103	75-125			

QUALITY CONTROL

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

Batch 0J14022 - EPA 3005A

Blank (0J14022-BLK1) Prepared: 10/14/2010 18:07 Analyzed: 10/15/2010 12:00

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Selenium	5.20	U	10.0	ug/L							

LCS (0J14022-BS1) Prepared: 10/14/2010 18:07 Analyzed: 10/15/2010 12:07

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Selenium	496		10.0	ug/L	500		99	80-120			

Matrix Spike (0J14022-MS1) Prepared: 10/14/2010 18:07 Analyzed: 10/15/2010 12:24

Source: C010667-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Selenium	484		10.0	ug/L	500	5.20 U	97	75-125			

Matrix Spike Dup (0J14022-MSD1) Prepared: 10/14/2010 18:07 Analyzed: 10/15/2010 12:32

Source: C010667-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Selenium	495		10.0	ug/L	500	5.20 U	99	75-125	2	20	

Post Spike (0J14022-PS1) Prepared: 10/15/2010 12:00 Analyzed: 10/15/2010 12:40

Source: C010667-03

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

QUALITY CONTROL

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

Batch 0J14022 - EPA 3005A

Post Spike (0J14022-PS1) Continued Prepared: 10/15/2010 12:00 Analyzed: 10/15/2010 12:40

Source: C010667-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Selenium	46.8		1.00	ug/L	49.0	0.0289	95	80-120			

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.
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).

Cooler C-741

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102-A Woodwinds Industrial Ct. Cary, NC 27511 (919) 467-3090 Fax (919) 467-3515

Page 1 of 2

Client Name: Golder Associates, Inc. (GO007)	Project Number: 0839-6506010.100
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): N. Rathjen, M. Mathis	Billing Contact: Accounts Payable
Sampler(s) Signature: [signature]	Site Location / Time Zone: Henderson County

Requested Turnaround Times: Note : Rush requests subject to acceptance by the facility — ✓ Standard ___ Expedited Due __/__/__

Lab Workorder: C010667

Requested Analyses / Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8260B Appendix 1	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Ni,Pb,Sb,Se,Tl,V,Zn	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn	Hg	Hg,Hg/F						Sample Comments
	4501-MW5 (Background)	9-23-10	924	G	GW	4	X		X	X							
	4501-MW6	9-23-10	10:15	G	GW	4	X		X	X							
	4501-MW7 (MS/MSD)	9-23-10	9:55	G	GW	7	X		X	X							
	4501-MW8	9-23-10	942	G	GW	5	X		X		X						
	4501-AMW1S	9-23-10	809	G	GW	4	X		X	X							
	4501-AMW1D	9-23-10	817	G	GW	4	X		X	X							
	4501-AMW2S	9-23-10	840	G	GW	4	X		X	X							
	4501-AMW2D	9-23-10	845	G	GW	4	X		X	X							
	4501-BR1	9-23-10	1555	G	SW	4	X		X								
	4501-BR2	9-23-10	1525	G	SW	4	X		X								
	4501-BR3	9-23-10	1645	G	SW	4	X		X								
	4501-SW1	9-23-10	1615	G	SW	4	X		X								

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
[signature]	9/15/10 11:40	[signature]	9-23-10 10:30		
Comments/Special Reporting Requirements: Provide "level 2" data report		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By: [signature]	Date/Time 9/24/10 1015
		Cooler #'s & Temps on Receipt: C-741	30°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

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Cooler C-741

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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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 Woodwiffds Industrial Ct.
Cary, NC 27511
(919) 467-3090 Fax (919) 467-3515

Page 2 of 2

Client Name: Golder Associates, Inc. (GO007)	Project Number: 0839-6506010.100
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): N. Rathjen, M. Mathis	Billing Contact: Accounts Payable
Sampler(s) Signature: Nath Rath	Site Location / Time Zone: Henderson County

Requested Analyses

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

✓ Standard

___ Expedited

Due __/__/__

Lab Workorder: C010667

Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8260B Appendix 1	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Ni,Pb,Sb,Se,Tl,V,Zn	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn	Hg	Hg,Hg/F						Sample Comments
	4501-Field Blank	9-23-10	1005	G	GW	4	X	X		X							
	4501-Trip Blank	—	—	—	SW	2	X										

<-- Total # of Containers

Sample Kit Prepared By: Nath Rath	Date/Time: 9-15-10 11:40	Relinquished By: Nath Rath	Date/Time: 9-23-10 11:00	Received By:	Date/Time:
Comments/Special Reporting Requirements		Relinquished By:	Date/Time:	Received By:	Date/Time:
		Relinquished By:	Date/Time:	Received By:	Date/Time: 9/24/10 1015
		Cooler #'s & Temps on Receipt: C-741	3.0°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

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WORK ORDER

Printed: 10/20/2010 1:29:34PM

C010667

ENCO Cary

Sample Receipt Conditions

Client:	**Golder Associates, Inc. (GO007)**	**Lab Project Mgr:**	**Stephanie Franz**
Project:	**Henderson Co. LF**	**Project Number:**	**0839-6506010.100**
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:	James G. Thadani	Date Received:	24-Sep-10 10:15
Logged In By:	James G. Thadani	Date Logged In:	24-Sep-10 11:57

Work Order Comments:

C-741 received at 3.0°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: 0839-650610.100

Sampling Event Date: September 23, 2010

Review Date: October 27, 2010 *Initials:*JD

Report #: C010667

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

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.

- ***Project number on the report is 08396506010.100; correct project number is 0839650610.100.***

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.

- ***Manganese was detected in the 6010C method blank at a concentration less than half the MRL @ 1.15 µg/L (J). Detections of this analyte should be considered to have a possible high bias if the concentration in the associated samples is not greater than 10 times that of the detection in the method blank.***

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).

- ***The spike recoveries of Manganese in the MS and MSD samples, and Arsenic, Barium, Beryllium, Cadmium, Copper, Manganese, and Selenium in the post-spike samples were outside of control limits. The QC batch was approved based on acceptable LCS recovery of these analytes and completeness of the QC data.***

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.

Field Blank:
Manganese @ 3.27 µg/L (J)

Method Blank:
Manganese @ 1.15 µg/L (J)

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:	***1,4-Dichlorobenzene @ 15 ug/L (SWSL = 1 ug/L)***
	Chlorobenzene @ 7.5 ug/L (SWSL = 3 ug/L)
	Ethylbenzene @ 2.1 ug/L (SWSL = 1 ug/L)
	Toluene @ 3.1 ug/L (SWSL = 1 ug/L)
	Total xylenes @ 5.4 ug/L (SWSL = 5 ug/L)
MW-7:	***1,4-Dichlorobenzene @ 8.8 ug/L (SWSL = 1 ug/L)***
	Chlorobenzene @ 6.3 ug/L (SWSL = 3 ug/L)
	Cis-1,2-Dichloroethene @ 5.2 ug/L (SWSL = 5 ug/L)
	Vinyl chloride @ 1.2 ug/L (SWSL = 1 ug/L)
AMW-1D:	***1,4-Dichlorobenzene @ 3.4 ug/L (SWSL = 1 ug/L)***
	Chlorobenzene @ 4.2 ug/L (SWSL = 3 ug/L)
BR-2:	***1,4-Dichlorobenzene @ 3.0 ug/L (SWSL = 1 ug/L)***

NC2L and/or GWPS Exceedances:

MW-6:	***1,4-Dichlorobenzene @ 15 ug/L (NC2L = 6 ug/L)***
MW-7:	***1,4-Dichlorobenzene @ 8.8 ug/L (NC2L = 6 ug/L)***
	Vinyl Chloride @ 1.2 ug/L (NC2L = 0.03 ug/L)
MW-8:	***Barium @ 1130 ug/L (NC2L = 700 ug/L)***
	Thallium @ 1.18 ug/L (J) (NC2L = 0.28 ug/L)
	Vanadium @ 14.7 ug/L (J) (GWPS = 3.5 ug/L)
AMW-2S:	***Vanadium @ 4.79 ug/L (J) (GWPS = 3.5 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.:

- ***See report narrative for discussion on chloromethane detections in BR-2 and SW-1.***

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 8, 2010

Golder Associates, Inc. (GO007)

Attn: Dusty Reedy

5B Oak Branch Drive

Greensboro, NC 27407

RE: Laboratory Results for
Project Number: 0839-6506010.100, Project Name/Desc: Henderson Co. LF C&D
ENCO Workorder: C010668

Dear Dusty Reedy,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Friday, September 24, 2010.

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 34.

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PROJECT NARRATIVE

Date: 08 October 2010
Client: Golder Associates, Inc. (GO007)
Project: Henderson Co. LF C&D
Lab ID: C010668

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

The spike recoveries of Beryllium and Manganese were outside of control limits for the 6010C Post Spike sample due to a confirmed matrix effect.

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-MW10 **Lab ID: C010668-01** **Sampled: 09/22/10 09:10** **Received: 09/24/10 10:15**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	10/20/10	09/27/10 11:07	9/27/2010 21:02
EPA 310.2	10/06/10	10/01/10 06:46	10/1/2010 09:23
EPA 6010C	03/21/11	09/28/10 10:20	9/29/2010 13:01
EPA 6010C	03/21/11	09/28/10 16:30	9/29/2010 13:01
EPA 6020A	03/21/11	09/28/10 10:38	9/30/2010 12:30
EPA 7470A	10/20/10	09/28/10 10:36	9/28/2010 16:48
EPA 8260B	10/06/10	10/01/10 09:27	10/2/2010 03:15
SM 2540C	09/29/10	09/29/10 10:40	9/29/2010 10:40

Client ID: 4501-MW11 (MS/MSD) **Lab ID: C010668-02** **Sampled: 09/23/10 09:02** **Received: 09/24/10 10:15**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	10/21/10	09/27/10 11:07	9/27/2010 21:20
EPA 310.2	10/07/10	10/01/10 06:46	10/1/2010 09:24
EPA 6010C	03/22/11	09/28/10 10:20	9/29/2010 12:25
EPA 6010C	03/22/11	09/28/10 16:30	9/29/2010 12:25
EPA 6020A	03/22/11	09/28/10 10:38	9/30/2010 12:09
EPA 7470A	10/21/10	09/28/10 10:36	9/28/2010 16:21
EPA 8260B	10/07/10	10/01/10 09:27	10/2/2010 00:25
SM 2540C	09/30/10	09/29/10 10:40	9/29/2010 10:40

Client ID: 4501-MW12 **Lab ID: C010668-03** **Sampled: 09/23/10 08:45** **Received: 09/24/10 10:15**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	10/21/10	09/27/10 11:07	9/27/2010 21:37
EPA 310.2	10/07/10	10/01/10 06:46	10/1/2010 09:26
EPA 6010C	03/22/11	09/28/10 10:20	9/29/2010 13:03
EPA 6010C	03/22/11	09/28/10 16:30	9/29/2010 13:03
EPA 6020A	03/22/11	09/28/10 10:38	9/30/2010 12:33
EPA 7470A	10/21/10	09/28/10 10:36	9/28/2010 16:51
EPA 8260B	10/07/10	10/01/10 09:27	10/2/2010 03:43
SM 2540C	09/30/10	09/29/10 10:40	9/29/2010 10:40

Client ID: 4501-MW13 **Lab ID: C010668-04** **Sampled: 09/23/10 08:35** **Received: 09/24/10 10:15**

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	10/21/10	09/27/10 11:07	9/27/2010 21:55
EPA 310.2	10/07/10	10/01/10 06:46	10/1/2010 09:27
EPA 6010C	03/22/11	09/28/10 10:20	9/29/2010 13:15
EPA 6010C	03/22/11	09/28/10 16:30	9/29/2010 13:15
EPA 6020A	03/22/11	09/28/10 10:38	9/30/2010 12:37
EPA 7470A	10/21/10	09/28/10 10:36	9/28/2010 16:53
EPA 8260B	10/07/10	10/01/10 09:27	10/2/2010 04:11
SM 2540C	09/30/10	09/29/10 10:40	9/29/2010 10:40

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NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: 4501-MW10 **Lab ID: C010668-01**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	26.1	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chloride	3000	J	1	18	5000	NE	ug/L	EPA 300.0	
Chloromethane	0.51	J	1	0.34	1.0	1	ug/L	EPA 8260B	
Chromium - Total	1.18	J	1	1.00	10.0	10	ug/L	EPA 6010C	
Cobalt - Total	2.10	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	3.49	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Iron - Total	4690		1	22.0	50.0	300	ug/L	EPA 6010C	
Lead - Total	2.56	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Manganese - Total	121		1	1.10	10.0	50	ug/L	EPA 6010C	
Total Dissolved Solids	40000		1	10000	10000	NE	ug/L	SM 2540C	
Vanadium - Total	7.06	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	14.8		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4501-MW11 (MS/MSD) **Lab ID: C010668-02**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	4.5	J	1	1.5	5.0	100	ug/L	EPA 8260B	
Barium - Total	23.0	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Beryllium - Total	0.882	J	1	0.100	1.00	1	ug/L	EPA 6010C	
Chloride	4700	J	1	18	5000	NE	ug/L	EPA 300.0	
Chloromethane	0.47	J	1	0.34	1.0	1	ug/L	EPA 8260B	
Cobalt - Total	2.89	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Iron - Total	630		1	22.0	50.0	300	ug/L	EPA 6010C	
Manganese - Total	923		1	1.10	10.0	50	ug/L	EPA 6010C	
Sulfate as SO4	4800	J	1	120	5000	250000	ug/L	EPA 300.0	
Total Alkalinity	46000		1	8000	15000	NE	ug/L	EPA 310.2	
Total Dissolved Solids	110000		1	10000	10000	NE	ug/L	SM 2540C	
Zinc - Total	7.45	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4501-MW12 **Lab ID: C010668-03**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	2.7	J	1	1.5	5.0	100	ug/L	EPA 8260B	
Barium - Total	9.25	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Beryllium - Total	0.120	J	1	0.100	1.00	1	ug/L	EPA 6010C	
Chloride	4800	J	1	18	5000	NE	ug/L	EPA 300.0	
Chloroethane	0.95	J	1	0.30	1.0	10	ug/L	EPA 8260B	
Chloromethane	1.1		1	0.34	1.0	1	ug/L	EPA 8260B	
Cobalt - Total	1.87	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Iron - Total	841		1	22.0	50.0	300	ug/L	EPA 6010C	
Manganese - Total	743		1	1.10	10.0	50	ug/L	EPA 6010C	
Methylene chloride	0.70	J	1	0.53	1.0	1	ug/L	EPA 8260B	
Sulfate as SO4	5400	J	1	120	5000	250000	ug/L	EPA 300.0	
Tetrachloroethene	1.7		1	0.36	1.0	1	ug/L	EPA 8260B	
Total Alkalinity	86000		1	8000	15000	NE	ug/L	EPA 310.2	
Total Dissolved Solids	160000		1	10000	10000	NE	ug/L	SM 2540C	
Trichlorofluoromethane	2.0		1	0.28	1.0	1	ug/L	EPA 8260B	
Vinyl chloride	0.42	J	1	0.30	1.0	1	ug/L	EPA 8260B	
Zinc - Total	6.78	J	1	3.80	10.0	10	ug/L	EPA 6010C	

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Client ID: 4501-MW13							Lab ID: C010668-04		
Analyte	**Results**	**Flag**	**DF**	**MDL**	**MRL**	**NC SWSL**	**Units**	**Method**	**Notes**
1,4-Dichlorobenzene	0.57	J	1	0.38	1.0	1	ug/L	EPA 8260B	
Barium - Total	12.5	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chloride	5100		1	18	5000	NE	ug/L	EPA 300.0	
cis-1,2-Dichloroethene	0.78	J	1	0.36	1.0	5	ug/L	EPA 8260B	
Iron - Total	658		1	22.0	50.0	300	ug/L	EPA 6010C	
Manganese - Total	58.4		1	1.10	10.0	50	ug/L	EPA 6010C	
Sulfate as SO4	4900	J	1	120	5000	250000	ug/L	EPA 300.0	
Total Alkalinity	100000		1	8000	15000	NE	ug/L	EPA 310.2	
Total Dissolved Solids	190000		1	10000	10000	NE	ug/L	SM 2540C	
Trichlorofluoromethane	0.87	J	1	0.28	1.0	1	ug/L	EPA 8260B	
Vanadium - Total	1.64	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	10.5		1	3.80	10.0	10	ug/L	EPA 6010C	

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ANALYTICAL RESULTS

Description: 4501-MW10 | **Lab Sample ID:** C010668-01 | **Received:** 09/24/10 10:15

Matrix: Ground Water | **Sampled:** 09/22/10 09:10 | **Work Order:** C010668

Project: Henderson Co. LF C&D | **Sampled By:** N. Rathjen

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/02/10 03:15	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/02/10 03:15	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	10/02/10 03:15	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/02/10 03:15	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	10/02/10 03:15	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	10/02/10 03:15	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	10/02/10 03:15	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/02/10 03:15	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	10/02/10 03:15	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	10/02/10 03:15	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	10/02/10 03:15	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/02/10 03:15	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/02/10 03:15	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	10/02/10 03:15	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	10/02/10 03:15	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/02/10 03:15	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/02/10 03:15	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	10/02/10 03:15	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/02/10 03:15	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	10/02/10 03:15	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/02/10 03:15	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	10/02/10 03:15	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	10/02/10 03:15	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	10/02/10 03:15	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/02/10 03:15	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/02/10 03:15	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	10/02/10 03:15	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	10/02/10 03:15	JKG	
Chloromethane [74-87-3] ^	**0.51**	J	ug/L	1	0.34	1.0	1	EPA 8260B	10/02/10 03:15	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	10/02/10 03:15	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/02/10 03:15	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	10/02/10 03:15	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	10/02/10 03:15	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/02/10 03:15	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	10/02/10 03:15	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	10/02/10 03:15	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	10/02/10 03:15	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/02/10 03:15	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/02/10 03:15	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	10/02/10 03:15	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/02/10 03:15	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	10/02/10 03:15	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/02/10 03:15	JKG	

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Description: 4501-MW10 | **Lab Sample ID:** C010668-01 | **Received:** 09/24/10 10:15

Matrix: Ground Water | **Sampled:** 09/22/10 09:10 | **Work Order:** C010668

Project: Henderson Co. LF C&D | **Sampled By:** N. Rathjen

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/02/10 03:15	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	10/02/10 03:15	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	10/02/10 03:15	JKG	
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/02/10 03:15	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*48*	*1*	*50.0*	*96 %*	*51-122*	*0J01009*	*EPA 8260B*	*10/02/10 03:15*	*JKG*	
Dibromofluoromethane	*47*	*1*	*50.0*	*94 %*	*68-117*	*0J01009*	*EPA 8260B*	*10/02/10 03:15*	*JKG*	
Toluene-d8	*49*	*1*	*50.0*	*98 %*	*69-110*	*0J01009*	*EPA 8260B*	*10/02/10 03:15*	*JKG*	

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Description: 4501-MW10
Matrix: Ground Water
Project: Henderson Co. LF C&D

Lab Sample ID: C010668-01
Sampled: 09/22/10 09:10
Sampled By: N. Rathjen

Received: 09/24/10 10:15
Work Order: C010668

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	09/28/10 16:48	NLH	

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Description: 4501-MW10 | **Lab Sample ID:** C010668-01 | **Received:** 09/24/10 10:15

Matrix: Ground Water | **Sampled:** 09/22/10 09:10 | **Work Order:** C010668

Project: Henderson Co. LF C&D | **Sampled By:** N. Rathjen

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	09/30/10 12:30	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	09/29/10 13:01	VLO	
Barium [7440-39-3] ^	**26.1**	J	ug/L	1	1.00	10.0	100	EPA 6010C	09/29/10 13:01	VLO	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	09/29/10 13:01	VLO	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	09/29/10 13:01	VLO	
Chromium [7440-47-3] ^	**1.18**	J	ug/L	1	1.00	10.0	10	EPA 6010C	09/29/10 13:01	VLO	
Cobalt [7440-48-4] ^	**2.10**	J	ug/L	1	1.10	10.0	10	EPA 6010C	09/29/10 13:01	VLO	
Copper [7440-50-8] ^	**3.49**	J	ug/L	1	1.60	10.0	10	EPA 6010C	09/29/10 13:01	VLO	
Iron [7439-89-6] ^	**4690**		ug/L	1	22.0	50.0	300	EPA 6010C	09/29/10 13:01	VLO	
Lead [7439-92-1] ^	**2.56**	J	ug/L	1	1.90	10.0	10	EPA 6010C	09/29/10 13:01	VLO	
Manganese [7439-96-5] ^	**121**		ug/L	1	1.10	10.0	50	EPA 6010C	09/29/10 13:01	VLO	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	09/29/10 13:01	VLO	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	09/29/10 13:01	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/29/10 13:01	VLO	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	09/30/10 12:30	VLO	
Vanadium [7440-62-2] ^	**7.06**	J	ug/L	1	1.40	10.0	25	EPA 6010C	09/29/10 13:01	VLO	
Zinc [7440-66-6] ^	**14.8**		ug/L	1	3.80	10.0	10	EPA 6010C	09/29/10 13:01	VLO	

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Description: 4501-MW10
Matrix: Ground Water
Project: Henderson Co. LF C&D

Lab Sample ID: C010668-01
Sampled: 09/22/10 09:10
Sampled By: N. Rathjen

Received: 09/24/10 10:15
Work Order: C010668

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]	**3000**	J	ug/L	1	18	5000	NE	EPA 300.0	09/27/10 21:02	PEV	
Sulfate as SO4 [14808-79-8]	120	U	ug/L	1	120	5000	250000	EPA 300.0	09/27/10 21:02	PEV	
Total Alkalinity [471-34-1] ^	8000	U	ug/L	1	8000	15000	NE	EPA 310.2	10/01/10 09:23	PEV	
Total Dissolved Solids [ECL-0156] ^	**40000**		ug/L	1	10000	10000	NE	SM 2540C	09/29/10 10:40	CCB	

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-MW11 (MS/MSD) **Lab Sample ID:** C010668-02 **Received:** 09/24/10 10:15
Matrix: Ground Water **Sampled:** 09/23/10 09:02 **Work Order:** C010668
Project: Henderson Co. LF C&D **Sampled By:** N. Rathjen

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/02/10 00:25	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/02/10 00:25	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	10/02/10 00:25	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/02/10 00:25	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	10/02/10 00:25	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	10/02/10 00:25	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	10/02/10 00:25	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/02/10 00:25	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	10/02/10 00:25	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	10/02/10 00:25	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	10/02/10 00:25	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/02/10 00:25	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/02/10 00:25	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	10/02/10 00:25	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	10/02/10 00:25	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/02/10 00:25	JKG	
Acetone [67-64-1] ^	**4.5**	J	ug/L	1	1.5	5.0	100	EPA 8260B	10/02/10 00:25	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	10/02/10 00:25	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/02/10 00:25	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	10/02/10 00:25	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/02/10 00:25	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	10/02/10 00:25	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	10/02/10 00:25	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	10/02/10 00:25	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/02/10 00:25	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/02/10 00:25	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	10/02/10 00:25	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	10/02/10 00:25	JKG	
Chloromethane [74-87-3] ^	**0.47**	J	ug/L	1	0.34	1.0	1	EPA 8260B	10/02/10 00:25	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	10/02/10 00:25	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/02/10 00:25	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	10/02/10 00:25	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	10/02/10 00:25	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/02/10 00:25	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	10/02/10 00:25	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	10/02/10 00:25	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	10/02/10 00:25	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/02/10 00:25	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/02/10 00:25	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	10/02/10 00:25	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/02/10 00:25	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	10/02/10 00:25	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/02/10 00:25	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/02/10 00:25	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	10/02/10 00:25	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	10/02/10 00:25	JKG	

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Description: 4501-MW11 (MS/MSD) | **Lab Sample ID:** C010668-02 | **Received:** 09/24/10 10:15

Matrix: Ground Water | **Sampled:** 09/23/10 09:02 | **Work Order:** C010668

Project: Henderson Co. LF C&D | **Sampled By:** N. Rathjen

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/02/10 00:25	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*47*	*1*	*50.0*	*95 %*	*51-122*	*0J01009*	*EPA 8260B*	*10/02/10 00:25*	*JKG*	
Dibromofluoromethane	*46*	*1*	*50.0*	*92 %*	*68-117*	*0J01009*	*EPA 8260B*	*10/02/10 00:25*	*JKG*	
Toluene-d8	*49*	*1*	*50.0*	*98 %*	*69-110*	*0J01009*	*EPA 8260B*	*10/02/10 00:25*	*JKG*	

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Description: 4501-MW11 (MS/MSD) **Lab Sample ID:** C010668-02 **Received:** 09/24/10 10:15
Matrix: Ground Water **Sampled:** 09/23/10 09:02 **Work Order:** C010668
Project: Henderson Co. LF C&D **Sampled By:** N. Rathjen

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	09/28/10 16:21	NLH	

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Description: 4501-MW11 (MS/MSD) **Lab Sample ID:** C010668-02 **Received:** 09/24/10 10:15

Matrix: Ground Water **Sampled:** 09/23/10 09:02 **Work Order:** C010668

Project: Henderson Co. LF C&D **Sampled By:** N. Rathjen

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	09/30/10 12:09	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	09/29/10 12:25	VLO	
Barium [7440-39-3] ^	**23.0**	J	ug/L	1	1.00	10.0	100	EPA 6010C	09/29/10 12:25	VLO	
Beryllium [7440-41-7] ^	**0.882**	J	ug/L	1	0.100	1.00	1	EPA 6010C	09/29/10 12:25	VLO	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	09/29/10 12:25	VLO	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	09/29/10 12:25	VLO	
Cobalt [7440-48-4] ^	**2.89**	J	ug/L	1	1.10	10.0	10	EPA 6010C	09/29/10 12:25	VLO	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	09/29/10 12:25	VLO	
Iron [7439-89-6] ^	**630**		ug/L	1	22.0	50.0	300	EPA 6010C	09/29/10 12:25	VLO	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/29/10 12:25	VLO	
Manganese [7439-96-5] ^	**923**		ug/L	1	1.10	10.0	50	EPA 6010C	09/29/10 12:25	VLO	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	09/29/10 12:25	VLO	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	09/29/10 12:25	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/29/10 12:25	VLO	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	09/30/10 12:09	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	09/29/10 12:25	VLO	
Zinc [7440-66-6] ^	**7.45**	J	ug/L	1	3.80	10.0	10	EPA 6010C	09/29/10 12:25	VLO	

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Description: 4501-MW11 (MS/MSD) | **Lab Sample ID:** C010668-02 | **Received:** 09/24/10 10:15

Matrix: Ground Water | **Sampled:** 09/23/10 09:02 | **Work Order:** C010668

Project: Henderson Co. LF C&D | **Sampled By:** N. Rathjen

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]	**4700**	J	ug/L	1	18	5000	NE	EPA 300.0	09/27/10 21:20	PEV	
Sulfate as SO4 [14808-79-8]	**4800**	J	ug/L	1	120	5000	250000	EPA 300.0	09/27/10 21:20	PEV	
Total Alkalinity [471-34-1] ^	**46000**		ug/L	1	8000	15000	NE	EPA 310.2	10/01/10 09:24	PEV	
Total Dissolved Solids [ECL-0156] ^	**110000**		ug/L	1	10000	10000	NE	SM 2540C	09/29/10 10:40	CCB	

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 | **Lab Sample ID:** C010668-03 | **Received:** 09/24/10 10:15

Matrix: Ground Water | **Sampled:** 09/23/10 08:45 | **Work Order:** C010668

Project: Henderson Co. LF C&D | **Sampled By:** N. Rathjen

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/02/10 03:43	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/02/10 03:43	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	10/02/10 03:43	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/02/10 03:43	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	10/02/10 03:43	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	10/02/10 03:43	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	10/02/10 03:43	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/02/10 03:43	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	10/02/10 03:43	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	10/02/10 03:43	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	10/02/10 03:43	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/02/10 03:43	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/02/10 03:43	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	10/02/10 03:43	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	10/02/10 03:43	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/02/10 03:43	JKG	
Acetone [67-64-1] ^	**2.7**	J	ug/L	1	1.5	5.0	100	EPA 8260B	10/02/10 03:43	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	10/02/10 03:43	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/02/10 03:43	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	10/02/10 03:43	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/02/10 03:43	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	10/02/10 03:43	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	10/02/10 03:43	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	10/02/10 03:43	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/02/10 03:43	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/02/10 03:43	JKG	
Chloroethane [75-00-3] ^	**0.95**	J	ug/L	1	0.30	1.0	10	EPA 8260B	10/02/10 03:43	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	10/02/10 03:43	JKG	
Chloromethane [74-87-3] ^	**1.1**		ug/L	1	0.34	1.0	1	EPA 8260B	10/02/10 03:43	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	5	EPA 8260B	10/02/10 03:43	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/02/10 03:43	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	10/02/10 03:43	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	10/02/10 03:43	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/02/10 03:43	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	10/02/10 03:43	JKG	
Methylene chloride [75-09-2] ^	**0.70**	J	ug/L	1	0.53	1.0	1	EPA 8260B	10/02/10 03:43	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	10/02/10 03:43	JKG	
Tetrachloroethene [127-18-4] ^	**1.7**		ug/L	1	0.36	1.0	1	EPA 8260B	10/02/10 03:43	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/02/10 03:43	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	10/02/10 03:43	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/02/10 03:43	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	10/02/10 03:43	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/02/10 03:43	JKG	
Trichlorofluoromethane [75-69-4] ^	**2.0**		ug/L	1	0.28	1.0	1	EPA 8260B	10/02/10 03:43	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	10/02/10 03:43	JKG	
Vinyl chloride [75-01-4] ^	**0.42**	J	ug/L	1	0.30	1.0	1	EPA 8260B	10/02/10 03:43	JKG	

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Description: 4501-MW12 | **Lab Sample ID:** C010668-03 | **Received:** 09/24/10 10:15

Matrix: Ground Water | **Sampled:** 09/23/10 08:45 | **Work Order:** C010668

Project: Henderson Co. LF C&D | **Sampled By:** N. Rathjen

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/02/10 03:43	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*48*	*1*	*50.0*	*96 %*	*51-122*	*0J01009*	*EPA 8260B*	*10/02/10 03:43*	*JKG*	
Dibromofluoromethane	*49*	*1*	*50.0*	*97 %*	*68-117*	*0J01009*	*EPA 8260B*	*10/02/10 03:43*	*JKG*	
Toluene-d8	*48*	*1*	*50.0*	*96 %*	*69-110*	*0J01009*	*EPA 8260B*	*10/02/10 03:43*	*JKG*	

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Description: 4501-MW12
Matrix: Ground Water
Project: Henderson Co. LF C&D

Lab Sample ID: C010668-03
Sampled: 09/23/10 08:45
Sampled By: N. Rathjen

Received: 09/24/10 10:15
Work Order: C010668

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	09/28/10 16:51	NLH	

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Description: 4501-MW12 | **Lab Sample ID:** C010668-03 | **Received:** 09/24/10 10:15

Matrix: Ground Water | **Sampled:** 09/23/10 08:45 | **Work Order:** C010668

Project: Henderson Co. LF C&D | **Sampled By:** N. Rathjen

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	09/30/10 12:33	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	09/29/10 13:03	VLO	
Barium [7440-39-3] ^	**9.25**	J	ug/L	1	1.00	10.0	100	EPA 6010C	09/29/10 13:03	VLO	
Beryllium [7440-41-7] ^	**0.120**	J	ug/L	1	0.100	1.00	1	EPA 6010C	09/29/10 13:03	VLO	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	09/29/10 13:03	VLO	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	09/29/10 13:03	VLO	
Cobalt [7440-48-4] ^	**1.87**	J	ug/L	1	1.10	10.0	10	EPA 6010C	09/29/10 13:03	VLO	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	09/29/10 13:03	VLO	
Iron [7439-89-6] ^	**841**		ug/L	1	22.0	50.0	300	EPA 6010C	09/29/10 13:03	VLO	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/29/10 13:03	VLO	
Manganese [7439-96-5] ^	**743**		ug/L	1	1.10	10.0	50	EPA 6010C	09/29/10 13:03	VLO	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	09/29/10 13:03	VLO	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	09/29/10 13:03	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/29/10 13:03	VLO	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	09/30/10 12:33	VLO	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	09/29/10 13:03	VLO	
Zinc [7440-66-6] ^	**6.78**	J	ug/L	1	3.80	10.0	10	EPA 6010C	09/29/10 13:03	VLO	

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Description: 4501-MW12
Matrix: Ground Water
Project: Henderson Co. LF C&D

Lab Sample ID: C010668-03
Sampled: 09/23/10 08:45
Sampled By: N. Rathjen

Received: 09/24/10 10:15
Work Order: C010668

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]	**4800**	J	ug/L	1	18	5000	NE	EPA 300.0	09/27/10 21:37	PEV	
Sulfate as SO4 [14808-79-8]	**5400**	J	ug/L	1	120	5000	250000	EPA 300.0	09/27/10 21:37	PEV	
Total Alkalinity [471-34-1] ^	**86000**		ug/L	1	8000	15000	NE	EPA 310.2	10/01/10 09:26	PEV	
Total Dissolved Solids [ECL-0156] ^	**160000**		ug/L	1	10000	10000	NE	SM 2540C	09/29/10 10:40	CCB	

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:** C010668-04 | **Received:** 09/24/10 10:15

Matrix: Ground Water | **Sampled:** 09/23/10 08:35 | **Work Order:** C010668

Project: Henderson Co. LF C&D | **Sampled By:** N. Rathjen

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/02/10 04:11	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/02/10 04:11	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	3	EPA 8260B	10/02/10 04:11	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/02/10 04:11	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	5	EPA 8260B	10/02/10 04:11	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	5	EPA 8260B	10/02/10 04:11	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	1	EPA 8260B	10/02/10 04:11	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	10/02/10 04:11	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	10/02/10 04:11	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	5	EPA 8260B	10/02/10 04:11	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	1	EPA 8260B	10/02/10 04:11	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/02/10 04:11	JKG	
1,4-Dichlorobenzene [106-46-7] ^	**0.57**	J	ug/L	1	0.38	1.0	1	EPA 8260B	10/02/10 04:11	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	10/02/10 04:11	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	10/02/10 04:11	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	10/02/10 04:11	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	10/02/10 04:11	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	10/02/10 04:11	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/02/10 04:11	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	3	EPA 8260B	10/02/10 04:11	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	1	EPA 8260B	10/02/10 04:11	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	3	EPA 8260B	10/02/10 04:11	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	10	EPA 8260B	10/02/10 04:11	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	10/02/10 04:11	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/02/10 04:11	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	3	EPA 8260B	10/02/10 04:11	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	10	EPA 8260B	10/02/10 04:11	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	5	EPA 8260B	10/02/10 04:11	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	1	EPA 8260B	10/02/10 04:11	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	**0.78**	J	ug/L	1	0.36	1.0	5	EPA 8260B	10/02/10 04:11	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	1	EPA 8260B	10/02/10 04:11	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	3	EPA 8260B	10/02/10 04:11	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	10	EPA 8260B	10/02/10 04:11	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	1	EPA 8260B	10/02/10 04:11	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	10/02/10 04:11	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	1.0	1	EPA 8260B	10/02/10 04:11	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	1	EPA 8260B	10/02/10 04:11	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	1	EPA 8260B	10/02/10 04:11	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	1	EPA 8260B	10/02/10 04:11	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	5	EPA 8260B	10/02/10 04:11	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/02/10 04:11	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	10/02/10 04:11	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	1	EPA 8260B	10/02/10 04:11	JKG	
Trichlorofluoromethane [75-69-4] ^	**0.87**	J	ug/L	1	0.28	1.0	1	EPA 8260B	10/02/10 04:11	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	10/02/10 04:11	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	1	EPA 8260B	10/02/10 04:11	JKG	

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Description: 4501-MW13
Matrix: Ground Water
Project: Henderson Co. LF C&D

Lab Sample ID: C010668-04
Sampled: 09/23/10 08:35
Sampled By: N. Rathjen

Received: 09/24/10 10:15
Work Order: C010668

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	5	EPA 8260B	10/02/10 04:11	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*49*	*1*	*50.0*	*98 %*	*51-122*	*0J01009*	*EPA 8260B*	*10/02/10 04:11*	*JKG*	
Dibromofluoromethane	*49*	*1*	*50.0*	*99 %*	*68-117*	*0J01009*	*EPA 8260B*	*10/02/10 04:11*	*JKG*	
Toluene-d8	*49*	*1*	*50.0*	*99 %*	*69-110*	*0J01009*	*EPA 8260B*	*10/02/10 04:11*	*JKG*	

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Description: 4501-MW13
Matrix: Ground Water
Project: Henderson Co. LF C&D

Lab Sample ID: C010668-04
Sampled: 09/23/10 08:35
Sampled By: N. Rathjen

Received: 09/24/10 10:15
Work Order: C010668

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	09/28/10 16:53	NLH	

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Description: 4501-MW13 | **Lab Sample ID:** C010668-04 | **Received:** 09/24/10 10:15

Matrix: Ground Water | **Sampled:** 09/23/10 08:35 | **Work Order:** C010668

Project: Henderson Co. LF C&D | **Sampled By:** N. Rathjen

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	09/30/10 12:37	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	09/29/10 13:15	VLO	
Barium [7440-39-3] ^	**12.5**	J	ug/L	1	1.00	10.0	100	EPA 6010C	09/29/10 13:15	VLO	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	09/29/10 13:15	VLO	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	09/29/10 13:15	VLO	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	09/29/10 13:15	VLO	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	09/29/10 13:15	VLO	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	09/29/10 13:15	VLO	
Iron [7439-89-6] ^	**658**		ug/L	1	22.0	50.0	300	EPA 6010C	09/29/10 13:15	VLO	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/29/10 13:15	VLO	
Manganese [7439-96-5] ^	**58.4**		ug/L	1	1.10	10.0	50	EPA 6010C	09/29/10 13:15	VLO	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	09/29/10 13:15	VLO	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	09/29/10 13:15	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	09/29/10 13:15	VLO	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	09/30/10 12:37	VLO	
Vanadium [7440-62-2] ^	**1.64**	J	ug/L	1	1.40	10.0	25	EPA 6010C	09/29/10 13:15	VLO	
Zinc [7440-66-6] ^	**10.5**		ug/L	1	3.80	10.0	10	EPA 6010C	09/29/10 13:15	VLO	

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Description: 4501-MW13
Matrix: Ground Water
Project: Henderson Co. LF C&D

Lab Sample ID: C010668-04
Sampled: 09/23/10 08:35
Sampled By: N. Rathjen

Received: 09/24/10 10:15
Work Order: C010668

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]	**5100**		ug/L	1	18	5000	NE	EPA 300.0	09/27/10 21:55	PEV	
Sulfate as SO4 [14808-79-8]	**4900**	J	ug/L	1	120	5000	250000	EPA 300.0	09/27/10 21:55	PEV	
Total Alkalinity [471-34-1] ^	**100000**		ug/L	1	8000	15000	NE	EPA 310.2	10/01/10 09:27	PEV	
Total Dissolved Solids [ECL-0156] ^	**190000**		ug/L	1	10000	10000	NE	SM 2540C	09/29/10 10:40	CCB	

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 0J01009 - EPA 5030B_MS

Blank (0J01009-BLK1) Prepared: 10/01/2010 09:27 Analyzed: 10/01/2010 22:03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.40	U	1.0	ug/L							
1,1,1-Trichloroethane	0.27	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.33	U	1.0	ug/L							
1,1,2-Trichloroethane	0.37	U	1.0	ug/L							
1,1-Dichloroethane	0.33	U	1.0	ug/L							
1,1-Dichloroethene	0.24	U	1.0	ug/L							
1,2,3-Trichloropropane	0.55	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.42	U	1.0	ug/L							
1,2-Dichlorobenzene	0.27	U	1.0	ug/L							
1,2-Dichloroethane	0.65	U	1.0	ug/L							
1,2-Dichloropropane	0.20	U	1.0	ug/L							
1,4-Dichlorobenzene	0.38	U	1.0	ug/L							
2-Butanone	1.0	U	5.0	ug/L							
2-Hexanone	0.69	U	5.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.5	U	5.0	ug/L							
Acrylonitrile	2.1	U	10	ug/L							
Benzene	0.20	U	1.0	ug/L							
Bromochloromethane	0.42	U	1.0	ug/L							
Bromodichloromethane	0.37	U	1.0	ug/L							
Bromoform	0.71	U	1.0	ug/L							
Bromomethane	0.49	U	1.0	ug/L							
Carbon disulfide	0.54	U	5.0	ug/L							
Carbon tetrachloride	0.38	U	1.0	ug/L							
Chlorobenzene	0.27	U	1.0	ug/L							
Chloroethane	0.30	U	1.0	ug/L							
Chloroform	0.20	U	1.0	ug/L							
Chloromethane	0.34	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.36	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.28	U	1.0	ug/L							
Dibromochloromethane	0.32	U	1.0	ug/L							
Dibromomethane	0.37	U	1.0	ug/L							
Ethylbenzene	0.20	U	1.0	ug/L							
Iodomethane	0.52	U	5.0	ug/L							
Methylene chloride	0.53	U	1.0	ug/L							
Styrene	0.26	U	1.0	ug/L							
Tetrachloroethene	0.36	U	1.0	ug/L							
Toluene	0.27	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.34	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.38	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.54	U	1.0	ug/L							
Trichloroethene	0.38	U	1.0	ug/L							
Trichlorofluoromethane	0.28	U	1.0	ug/L							
Vinyl acetate	0.98	U	5.0	ug/L							
Vinyl chloride	0.30	U	1.0	ug/L							
Xylenes (Total)	0.40	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*48*			*ug/L*	*50.0*		*95*	*51-122*			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0J01009 - EPA 5030B_MS

Blank (0J01009-BLK1) Continued Prepared: 10/01/2010 09:27 Analyzed: 10/01/2010 22:03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Dibromofluoromethane	*47*			*ug/L*	*50.0*		*94*	*68-117*			
Surrogate: Toluene-d8	*48*			*ug/L*	*50.0*		*96*	*69-110*			

LCS (0J01009-BS1) Prepared: 10/01/2010 09:27 Analyzed: 10/01/2010 22:32

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	18		1.0	ug/L	20.0		89	75-133			
Benzene	19		1.0	ug/L	20.0		93	81-134			
Chlorobenzene	20		1.0	ug/L	20.0		100	83-117			
Toluene	19		1.0	ug/L	20.0		95	71-118			
Trichloroethene	20		1.0	ug/L	20.0		99	75-115			

Matrix Spike (0J01009-MS1) Prepared: 10/01/2010 09:27 Analyzed: 10/01/2010 23:00

Source: C010668-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	18		1.0	ug/L	20.0	0.24 U	92	75-133			
Benzene	18		1.0	ug/L	20.0	0.20 U	92	81-134			
Chlorobenzene	19		1.0	ug/L	20.0	0.27 U	96	83-117			
Toluene	19		1.0	ug/L	20.0	0.27 U	93	71-118			
Trichloroethene	20		1.0	ug/L	20.0	0.38 U	99	75-115			

Matrix Spike Dup (0J01009-MSD1) Prepared: 10/01/2010 09:27 Analyzed: 10/01/2010 23:28

Source: C010668-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0	0.24 U	97	75-133	4	20	
Benzene	19		1.0	ug/L	20.0	0.20 U	94	81-134	2	17	
Chlorobenzene	20		1.0	ug/L	20.0	0.27 U	99	83-117	3	16	
Toluene	19		1.0	ug/L	20.0	0.27 U	95	71-118	2	17	
Trichloroethene	20		1.0	ug/L	20.0	0.38 U	101	75-115	2	18	

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 0I28015 - EPA 245.1

Blank (0I28015-BLK1) Prepared: 09/28/2010 10:36 Analyzed: 09/28/2010 16:14

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 (0I28015-BS1) Prepared: 09/28/2010 10:36 Analyzed: 09/28/2010 16:18

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.26		0.200	ug/L	5.00		105	85-115			

Matrix Spike (0I28015-MS1) Prepared: 09/28/2010 10:36 Analyzed: 09/28/2010 16:24

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 0I28015 - EPA 245.1

Matrix Spike (0I28015-MS1) Continued Prepared: 09/28/2010 10:36 Analyzed: 09/28/2010 16:24

Source: C010668-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.35		0.200	ug/L	5.00	0.170 U	107	85-115			

Matrix Spike Dup (0I28015-MSD1) Prepared: 09/28/2010 10:36 Analyzed: 09/28/2010 16:35

Source: C010668-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.58		0.200	ug/L	5.00	0.170 U	112	85-115	4	15	

Post Spike (0I28015-PS1) Prepared: 09/28/2010 10:36 Analyzed: 09/28/2010 16:38

Source: C010668-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.77		0.200	ug/L	5.00	-0.367	103	75-125			

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

Batch 0I28012 - EPA 3005A

Blank (0I28012-BLK1) Prepared: 09/28/2010 10:20 Analyzed: 09/29/2010 12:19

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							
Vanadium	1.40	U	10.0	ug/L							
Zinc	3.80	U	10.0	ug/L							

LCS (0I28012-BS1) Prepared: 09/28/2010 10:20 Analyzed: 09/29/2010 12:22

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	561		10.0	ug/L	500		112	80-120			
Barium	543		10.0	ug/L	500		109	80-120			
Beryllium	282		1.00	ug/L	250		113	80-120			
Cadmium	275		1.00	ug/L	250		110	80-120			
Chromium	541		10.0	ug/L	500		108	80-120			
Cobalt	558		10.0	ug/L	500		112	80-120			
Copper	275		10.0	ug/L	250		110	80-120			

QUALITY CONTROL

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

Batch 0I28012 - EPA 3005A

LCS (0I28012-BS1) Continued Prepared: 09/28/2010 10:20 Analyzed: 09/29/2010 12:22

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Iron	5340		50.0	ug/L	5000		107	80-120			
Lead	558		10.0	ug/L	500		112	80-120			
Manganese	267		10.0	ug/L	250		107	80-120			
Nickel	547		10.0	ug/L	500		109	80-120			
Selenium	575		10.0	ug/L	500		115	80-120			
Silver	265		10.0	ug/L	250		106	80-120			
Vanadium	264		10.0	ug/L	250		106	80-120			
Zinc	549		10.0	ug/L	500		110	80-120			

Matrix Spike (0I28012-MS1) Prepared: 09/28/2010 10:20 Analyzed: 09/29/2010 12:37

Source: C010668-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	571		10.0	ug/L	500	2.80 U	114	75-125			
Barium	579		10.0	ug/L	500	23.0	111	75-125			
Beryllium	291		1.00	ug/L	250	0.882	116	75-125			
Cadmium	279		1.00	ug/L	250	0.360 U	112	75-125			
Chromium	551		10.0	ug/L	500	1.00 U	110	75-125			
Cobalt	572		10.0	ug/L	500	2.89	114	75-125			
Copper	280		10.0	ug/L	250	1.60 U	112	75-125			
Iron	6110		50.0	ug/L	5000	630	110	75-125			
Lead	567		10.0	ug/L	500	1.90 U	113	75-125			
Manganese	1230		10.0	ug/L	250	923	123	75-125			
Nickel	555		10.0	ug/L	500	1.80 U	111	75-125			
Selenium	588		10.0	ug/L	500	2.70 U	118	75-125			
Silver	278		10.0	ug/L	250	1.90 U	111	75-125			
Vanadium	272		10.0	ug/L	250	1.40 U	109	75-125			
Zinc	567		10.0	ug/L	500	7.45	112	75-125			

Matrix Spike Dup (0I28012-MSD1) Prepared: 09/28/2010 10:20 Analyzed: 09/29/2010 12:39

Source: C010668-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	565		10.0	ug/L	500	2.80 U	113	75-125	1	20	
Barium	569		10.0	ug/L	500	23.0	109	75-125	2	20	
Beryllium	286		1.00	ug/L	250	0.882	114	75-125	2	20	
Cadmium	274		1.00	ug/L	250	0.360 U	110	75-125	2	20	
Chromium	542		10.0	ug/L	500	1.00 U	108	75-125	2	20	
Cobalt	566		10.0	ug/L	500	2.89	113	75-125	1	20	
Copper	275		10.0	ug/L	250	1.60 U	110	75-125	2	20	
Iron	6010		50.0	ug/L	5000	630	108	75-125	2	20	
Lead	564		10.0	ug/L	500	1.90 U	113	75-125	0.6	20	
Manganese	1210		10.0	ug/L	250	923	115	75-125	2	20	
Nickel	546		10.0	ug/L	500	1.80 U	109	75-125	2	20	
Selenium	582		10.0	ug/L	500	2.70 U	116	75-125	0.9	20	
Silver	274		10.0	ug/L	250	1.90 U	109	75-125	2	20	
Vanadium	267		10.0	ug/L	250	1.40 U	107	75-125	2	20	
Zinc	558		10.0	ug/L	500	7.45	110	75-125	2	20	

QUALITY CONTROL

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

Batch 0I28012 - EPA 3005A

Post Spike (0I28012-PS1) Prepared: 09/28/2010 10:20 Analyzed: 09/29/2010 12:41

Source: C010668-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1.17		0.0100	mg/L	1.00	0.000430	117	80-120			
Barium	1.20		0.0100	mg/L	1.00	0.0230	118	80-120			
Beryllium	0.609		0.00100	mg/L	0.500	0.000882	122	80-120			QM-08
Cadmium	0.590		0.00100	mg/L	0.500	0.000133	118	80-120			
Chromium	1.18		0.0100	mg/L	1.00	-7.27E-6	118	80-120			
Cobalt	1.15		0.0100	mg/L	1.00	0.00289	115	80-120			
Copper	0.603		0.0100	mg/L	0.500	0.00107	120	80-120			
Iron	12.2		0.0500	mg/L	10.0	0.630	116	80-120			
Lead	1.15		0.0100	mg/L	1.00	0.000798	115	80-120			
Manganese	1.56		0.0100	mg/L	0.500	0.923	128	80-120			QM-08
Nickel	1.16		0.0100	mg/L	1.00	-0.000114	116	80-120			
Selenium	1.20		0.0100	mg/L	1.00	-0.000318	120	80-120			
Silver	0.529		0.0100	mg/L	0.500	0.000719	106	80-120			
Vanadium	0.582		0.0100	mg/L	0.500	0.000893	116	80-120			
Zinc	1.19		0.0100	mg/L	1.00	0.00745	118	80-120			

Batch 0I28017 - EPA 3005A

Blank (0I28017-BLK1) Prepared: 09/28/2010 10:38 Analyzed: 09/30/2010 11:55

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 (0I28017-BS1) Prepared: 09/28/2010 10:38 Analyzed: 09/30/2010 12:16

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	26.7		2.00	ug/L	25.0		107	80-120			
Thallium	26.5		1.00	ug/L	25.0		106	80-120			

Matrix Spike (0I28017-MS1) Prepared: 09/28/2010 10:38 Analyzed: 09/30/2010 12:13

Source: C010668-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	27.8		2.00	ug/L	25.0	0.220 U	111	75-125			
Thallium	27.3		1.00	ug/L	25.0	0.110 U	109	75-125			

Matrix Spike Dup (0I28017-MSD1) Prepared: 09/28/2010 10:38 Analyzed: 09/30/2010 12:19

Source: C010668-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	28.1		2.00	ug/L	25.0	0.220 U	112	75-125	1	20	
Thallium	27.7		1.00	ug/L	25.0	0.110 U	111	75-125	1	20	

Post Spike (0I28017-PS1) Prepared: 09/28/2010 10:38 Analyzed: 09/30/2010 12:23

QUALITY CONTROL

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

Batch 0I28017 - EPA 3005A

Post Spike (0I28017-PS1) Continued Prepared: 09/28/2010 10:38 Analyzed: 09/30/2010 12:23

Source: C010668-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	27.2		2.00	ug/L	25.0	0.0130	109	80-120			
Thallium	26.8		1.00	ug/L	25.0	0.0130	107	80-120			

Classical Chemistry Parameters - Quality Control

Batch 0I27017 - NO PREP

Blank (0I27017-BLK1) Prepared: 09/27/2010 11:07 Analyzed: 09/27/2010 12:47

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	18	U	5000	ug/L							
Sulfate as SO4	120	U	5000	ug/L							

LCS (0I27017-BS1) Prepared: 09/27/2010 11:07 Analyzed: 09/27/2010 13:23

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	48		5.0	mg/L	50.0		95	80-120			
Sulfate as SO4	46		5.0	mg/L	50.0		92	80-120			

Matrix Spike (0I27017-MS1) Prepared: 09/27/2010 11:07 Analyzed: 09/27/2010 14:51

Source: C010668-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	22		5.0	mg/L	20.0	4.7	85	80-120			
Sulfate as SO4	22		5.0	mg/L	20.0	4.8	87	80-120			

Matrix Spike Dup (0I27017-MSD1) Prepared: 09/27/2010 11:07 Analyzed: 09/27/2010 15:09

Source: C010668-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	22		5.0	mg/L	20.0	4.7	86	80-120	0.5	15	
Sulfate as SO4	22		5.0	mg/L	20.0	4.8	88	80-120	0.8	15	

Batch 0I29017 - NO PREP

Blank (0I29017-BLK1) Prepared & Analyzed: 09/29/2010 10:40

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 (0I29017-BS1) Prepared & Analyzed: 09/29/2010 10:40

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	310		10	mg/L	300		104	90-110			

Duplicate (0I29017-DUP1) Prepared & Analyzed: 09/29/2010 10:40

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 0I29017 - NO PREP

Duplicate (0I29017-DUP1) Continued Prepared & Analyzed: 09/29/2010 10:40

Source: C010668-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	100000		10000	ug/L		110000			4	10	

Batch 0J01003 - NO PREP

Blank (0J01003-BLK1) Prepared: 10/01/2010 06:46 Analyzed: 10/01/2010 09:21

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity	8000	U	15000	ug/L							

LCS (0J01003-BS1) Prepared: 10/01/2010 06:46 Analyzed: 10/01/2010 09:22

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity	98		15	mg/L	100		98	80-120			

Matrix Spike (0J01003-MS1) Prepared: 10/01/2010 06:46 Analyzed: 10/01/2010 09:24

Source: C010668-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity	79		15	mg/L	40.0	46	81	80-120			

Matrix Spike Dup (0J01003-MSD1) Prepared: 10/01/2010 06:46 Analyzed: 10/01/2010 09:25

Source: C010668-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity	84		15	mg/L	40.0	46	95	80-120	7	25	

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-08	Post-digestion spike did not meet method requirements due to confirmed matrix effects (dilution test).

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 Woodwards Industrial Ct.
Cary, NC 27511
(919) 467-3090 Fax (919) 467-3515

Page 1 of 1

Client Name: Golder Associates, Inc. (GO007)	Project Number: 0839-6506010.100
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): N. Rathjen, M. Mathis	Billing Contact: Accounts Payable
Sampler(s) Signature: Nath Rath	Site Location / Time Zone: Henderson Co.

Requested Analyses

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

✓ Standard

___ Expedited

Due ___/___/___

Lab Workorder: C010668

Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	8260B Appendix 1	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Ni,Pb,Sb,Se,Tl,V,Zn	Alkalinity 310.2,Chloride 300,TDS SM2540C	Hg	Sulfate 300						Sample Comments
	4501-MW10	9-22-10	910	G	GW	5	X	X	X	X	X						
	4501-MW11 (MS/MSD)	9-23-10	902	G	GW	8	X	X	X	X	X						
	4501-MW12	9-23-10	845	G	GW	5	X	X	X	X	X						
	4501-MW13	9-23-10	835	G	GW	5	X	X	X	X	X						

<-- Total # of Containers

Sample Kit Prepared By: BJG	Date/Time: 9/15/10	Relinquished By: Nath Rath	Date/Time: 9-23-10 11:00	Received By	Date/Time
Comments/Special Reporting Requirements: please provide "level 2" data report.		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By: Jim Hodge	Date/Time: 9/24/10 1015
		Cooler #'s & Temps on Receipt: JX-403 1.9°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: 10/8/2010 2:23:09PM

C010668

ENCO Cary

Sample Receipt Conditions

Client:	**Golder Associates, Inc. (GO007)**	**Lab Project Mgr:**	**Stephanie Franz**
Project:	**Henderson Co. LF C&D**	**Project Number:**	**0839-6506010.100**
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:	James G. Thadani	Date Received:	24-Sep-10 10:15
Logged In By:	James G. Thadani	Date Logged In:	24-Sep-10 11:15

Work Order Comments:

JX-403 received at 1.9°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

GOLDER ASSOCIATES INC.
QUALITY ASSURANCE & QUALITY CONTROL
LABORATORY DATA REVIEW

Project Name: Henderson County C&D Landfill

Project Reference Number: 0839-650610.100

Sampling Event Date: September 22-23, 2010

Review Date: October 14, 2010 *Initials:*JD

Report #: C010668

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.

- ***Project number on the report is 08396506010.100; correct project number is 0839650610.100.***

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).

- ***The spike recoveries for beryllium and manganese were outside of control limits for the 6010C post spike sample due to a confirmed matrix effect.***

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.

Field Blank (from Report C010667):
Manganese @ 3.27 µg/L (J)

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-12: ***Chloromethane @ 1.1 µg/L (SWSL = 1 µg/L)***
Tetrachloroethene @ 1.7 µg/L (SWSL =1 µg/L)
Trichlorofluoromethane @ 2.0 µg/L (SWSL = 1 µg/L)

NC2L and/or SWS GWPS Exceedances:

MW-10: ***Iron @ 4690 µg/L (NC2L = 300 µg/L)***
Manganese @ 121 µg/L (NC2L = 50 µg/L)
Vanadium @ 7.06 µg/L (J) (GWPS = 3.5 µg/L)

MW-11: ***Iron @ 630 µg/L (NC2L = 300 µg/L)***
Manganese @ 923 µg/L (NC2L = 50 µg/L)

MW-12: ***Iron @ 841 µg/L (NC2L = 300 µg/L)***
Manganese @ 743 µg/L (NC2L = 50 µg/L)
Tetrachloroethene @ 1.7 µg/L (NC2L = 0.7 µg/L)
Vinyl Chloride @ 0.42 µg/L (J) (NC2L = 0.03 µg/L)

MW-13: ***Iron @ 658 µg/L (NC2L = 300 µg/L)***
Manganese @ 58.4 µg/L (NC2L = 50 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).

- ***MW-12:*** ***Chloromethane first time detection (1.1 µg/L)***

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 2010												
Detected Monitoring Constituent/Analytes	**Reporting Units**	**Statistical Evaluation Method**		**Prediction Interval**	**Downgradient Monitoring Wells and Concentrations**						
					MW-6	**MW-7**	**MW-8**	**AMW-1S**	**AMW-1D**	**AMW-2S**	**AMW-2D**
Barium	ug/L	Interwell	Nonparametric Prediction Interval	348	335	302	1130	86.5 J	13.1 J	7.69 J	1.79 J
		Intrawell MW-8	Upper Prediction Interval	1134							
Lead	ug/L	Interwell	Nonparametric Prediction Interval	75.9	ND	ND	12.2	ND	ND	ND	ND
Mercury	ug/L	Interwell	Nonparametric Prediction Interval	0.70	--	--	0.371	--	--	--	--
Zinc	ug/L	Interwell	Nonparametric Prediction Interval	50.0	ND	5.37 J	168	4.3 J	5.86 J	ND	ND
		Intrawell MW-8	Nonparametric Prediction Interval	69.0							

Notes:
1. Shaded values represent apparent statistical significant increases (SSIs) over background concentrations. The zinc detection in MW-8 is considered an SSI for the Sept 2010 monitoring event.
2. Statistical worksheets are provided as Appendix III.
3. ug/L = micrograms per liter
4. J = estimated concentration below the Solid Waste Section Limit
5. ND = Not detected at the laboratory detection limit.
6. B = Blank-qualified data
7. --- = data not available

Golder Associates

Project Name: Henderson County Landfill
Project No: 0839-650610.100
Date: 10/27/10

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

Number of Data	34
Number of Truncated Data	19
Percentage of Truncated Data	56%

Nonparametric Prediction Interval: **348** ug/L

Project Name: Henderson County Landfill
Project No: 0839-650610.100
Date: 10/27/10

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	ND	100
11	6/4/99	MW-8	552	100
12	10/29/99	MW-8	ND	100
13	4/20/00	MW-8	ND	100
14	11/7/00	MW-8	ND	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	ND	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

Number of Data	32
Number of Truncated Data	5
Percentage of Truncated Data	16%

Upper Prediction Interval: **1268** ug/L

Project Name: Henderson County Landfill
Project No: 0839-650610.100
Date: 10/27/10

Probability Plots to determine the distribution of Barium (Intrawell MW-8)

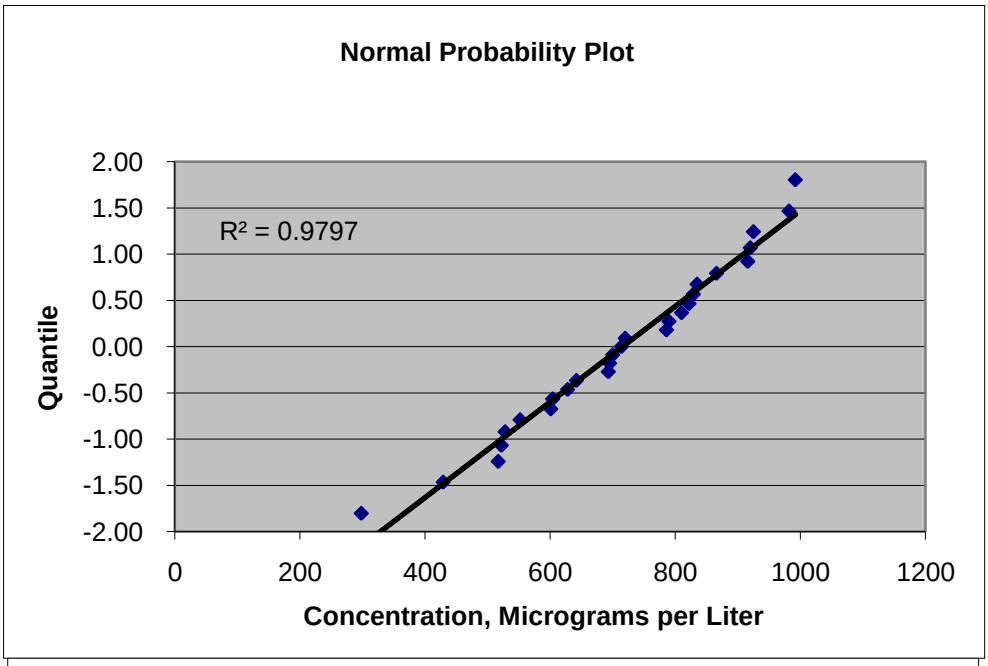
Complete the following table where:

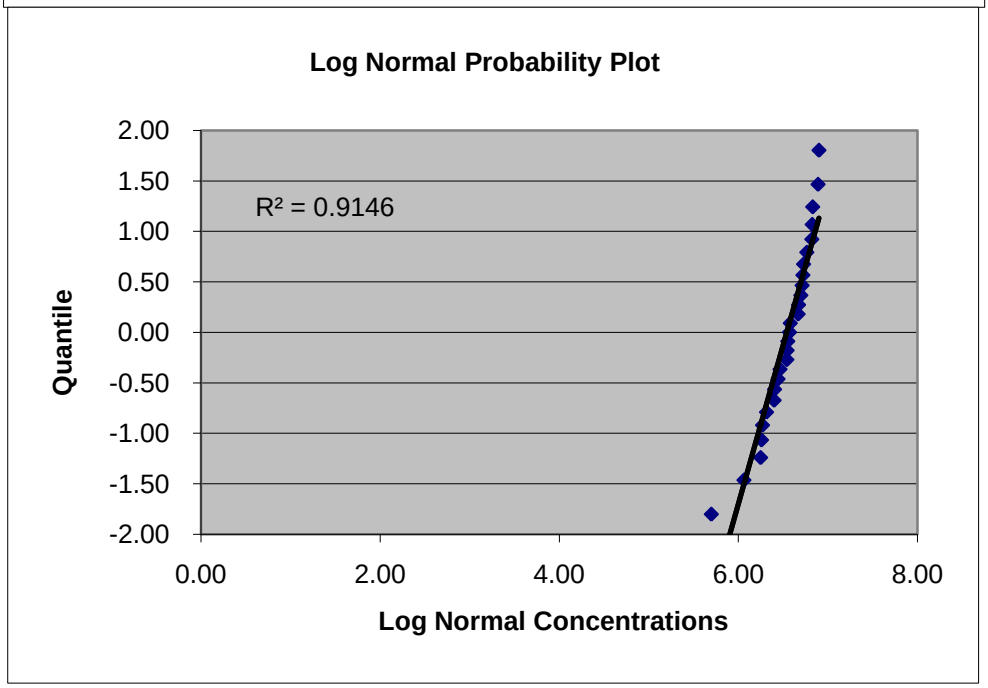
i = ordered value of sample, arranged from smallest to largest
X(i) = sample values arranged from smallest to largest
LN[X(i)] = Natural Log Value of sample concentrations arranged from smallest to largest
[i/(n+1)] = Cumulative probability
n = number of samples = 27

X(i)	LN[X(i)]	i	Rank	[Rank/(n+1)]	Quantiles
298	5.70	1	1	0.036	-1.80
429	6.06	2	2	0.071	-1.47
517	6.25	3	3	0.107	-1.24
522	6.26	4	4	0.143	-1.07
528	6.27	5	5	0.179	-0.92
552	6.31	6	6	0.214	-0.79
601	6.40	7	7	0.250	-0.67
604	6.40	8	8	0.286	-0.57
628	6.44	9	9	0.321	-0.46
642	6.46	10	10	0.357	-0.37
693	6.54	11	11	0.393	-0.27
695	6.54	12	12	0.429	-0.18
700	6.55	13	13	0.464	-0.09
714	6.57	14	14	0.500	0.00
720	6.58	15	15	0.536	0.09
786	6.67	16	16	0.571	0.18
790	6.67	17	17	0.607	0.27
810	6.70	18	18	0.643	0.37
822	6.71	19	19	0.679	0.46
829	6.72	20	20	0.714	0.57
835	6.73	21	21	0.750	0.67
866	6.76	22	22	0.786	0.79
916	6.82	23	23	0.821	0.92
920	6.82	24	24	0.857	1.07
925	6.83	25	25	0.893	1.24
982	6.89	26	26	0.929	1.47
992	6.90	27	27	0.964	1.80

Project Name: Henderson County Landfill
Project No: 0839-650610.100
Date: 10/27/10

Probability Plots to determine the distribution of Barium (Intrawell MW-8)





Project Name: Henderson County Landfill
Project No: 0839-650610.100
Date: 10/27/10

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	ND		100
11	06/04/99	MW-8	552		100
12	10/29/99	MW-8	ND		100
13	04/20/00	MW-8	ND		100
14	11/07/00	MW-8	ND		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	ND		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	09/22/09	MW-8	695		100
28	03/22/10	MW-8	693		100
28	04/03/08	MW-8	714		100
29	10/29/08	MW-8	28		100
30	03/24/09	MW-8	5		100
31	09/22/09	MW-8	916		100
32	03/22/10	MW-8	693		100

mean = 682.000
STD = 244.493

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 =	992.000
	mean =	682.000
	STD =	244.493
	Tn =	**1.268**

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 =	32
Tc =	**2.773**

Since Tc>Tn, the sample result is not considered to be an outlier

Project Name: Henderson County Landfill
Project No: 0839-650610.100
Date: 10/27/10

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	298.00	992.00	694	0.4366	303.00
2	429.00	982.00	553	0.3018	166.90
3	517.00	925.00	408	0.2522	102.90
4	522.00	920.00	398	0.2152	85.65
5	528.00	916.00	388	0.1848	71.70
6	552.00	866.00	314	0.1584	49.74
7	601.00	835.00	234	0.1346	31.50
8	604.00	829.00	225	0.1128	25.38
9	628.00	822.00	194	0.0923	17.91
10	642.00	810.00	168	0.0728	12.23
11	693.00	790.00	97	0.0540	5.24
12	695.00	786.00	91	0.0358	3.26
13	700.00	720.00	20	0.0178	0.36
14	714.00	714.00	0.00	0.0000	0.00
15	720.00	700.00			
16	786.00	695.00			
17	790.00	693.00			
18	810.00	642.00			
19	822.00	628.00			
20	829.00	604.00			
21	835.00	601.00			
22	866.00	552.00			
23	916.00	528.00			
24	920.00	522.00			
25	925.00	517.00			
26	982.00	429.00			
27	992.00	298.00			

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)	=	875.75
	SD =	standard deviation of the data group	=	174.19
	n =	number of samples	=	27

W = 0.972

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) = 0.923
and the calculated W = 0.972

Therefore the data set is Normal

Project Name: Henderson County Landfill
Project No: 0839-650610.100
Date: 10/27/10

Aitchison's Adjustment for Barium (Intrawell MW-8)

Background Values (positive detects only)

Sample No.	Sample Date	Location	Concentration (ug/l)
1	12/05/94	MW-8	528
2	02/14/95	MW-8	601
3	04/03/95	MW-8	786
4	10/30/95	MW-8	835
5	04/08/96	MW-8	790
6	10/24/96	MW-8	925
7	04/15/97	MW-8	810
8	10/29/97	MW-8	700
9	05/14/98	MW-8	628
10	10/11/98	MW-8	ND
11	06/04/99	MW-8	552
12	10/29/99	MW-8	ND
13	04/20/00	MW-8	ND
14	11/07/00	MW-8	ND
15	05/15/01	MW-8	604
16	10/16/01	MW-8	298
17	04/24/02	MW-8	642
18	10/01/02	MW-8	ND
19	04/09/03	MW-8	522
20	10/20/03	MW-8	720
21	03/24/04	MW-8	829
22	10/27/04	MW-8	866
23	10/04/05	MW-8	982
24	04/25/06	MW-8	822
25	10/04/06	MW-8	920
26	03/21/07	MW-8	992
27	10/02/07	MW-8	695
28	04/03/08	MW-8	714
29	10/29/08	MW-8	429
30	03/24/09	MW-8	517
31	09/22/09	MW-8	916
32	03/22/10	MW-8	693

Mean of detected values = 715.41
Standard Deviation of detected values = 174.19

The adjusted mean can be found using

$$M(a) = (1-d/n) \times M$$

where:	d =	number non- detected values	=	5
	n =	total number samples	=	32
	M =	mean detected values	=	715.41
		M(a)	**=**	**603.63**

The adjusted standard deviation squared may be found using

$$STD(a) = (n-(d+1)S)/n-1) + d(n-d)MM/n(n-1)$$

where:	n =	total number samples	=	32
	d =	number non-detected values	=	5
	S =	std deviation of detected values squared	=	30342.40
	MM =	mean of detected values squared	=	511807.76
		STD(a)	=	95099.73

and the adjusted standard deviation is then

S(a) = SQRT(STD(a)) = 308.38

Project Name: Henderson County Landfill
Project No: 0839-650610.100
Date: 10/27/10

Parametric Prediction Interval for Aitchison's adjusted data

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	528.00	100.00
2	02/14/95	MW-8	601.00	100.00
3	04/03/95	MW-8	786.00	100.00
4	10/30/95	MW-8	835.00	100.00
5	04/08/96	MW-8	790.00	100.00
6	10/24/96	MW-8	925.00	100.00
7	04/15/97	MW-8	810.00	100.00
8	10/29/97	MW-8	700.00	100.00
9	05/14/98	MW-8	628.00	100.00
10	10/11/98	MW-8	ND	100.00
11	06/04/99	MW-8	552.00	100.00
12	10/29/99	MW-8	ND	100.00
13	04/20/00	MW-8	ND	100.00
14	11/07/00	MW-8	ND	100.00
15	05/15/01	MW-8	604.00	100.00
16	10/16/01	MW-8	298.00	100.00
17	04/24/02	MW-8	642.00	100.00
18	10/01/02	MW-8	ND	100.00
19	04/09/03	MW-8	522.00	100.00
20	10/20/03	MW-8	720.00	100.00
21	03/24/04	MW-8	829.00	100.00
22	10/27/04	MW-8	866.00	100.00
23	10/04/05	MW-8	982.00	100.00
24	04/25/06	MW-8	822.00	100.00
25	10/04/06	MW-8	920.00	100.00
26	03/21/07	MW-8	992.00	100.00
27	10/02/07	MW-8	695.00	100.00
28	04/03/08	MW-8	714.00	100.00
29	10/29/08	MW-8	429.00	100.00
30	03/24/09	MW-8	517.00	100.00
31	09/22/09	MW-8	916.00	100.00
32	03/22/10	MW-8	693.00	100.00

Note: All sample concentrations are micrograms per liter

The background mean and standard deviation were modified using Aitchison's Adjustment.
The adjusted mean and standard deviation are as follows:

the adjusted mean and standard deviation are

adjusted mean = 603.63
adjusted standard deviation = 308.38

Using the background data, the upper Prediction Limit can be determined using:

Upper Prediction Limit = (Mean Conc) + t(n-1,k,.95) x (Std Dev) x SQRT(1/m+1/n)

where:	Mean Conc =	mean concentration background samples
	t(n-1k,.95) =	Bonferroni t-statistic from table 1, with
	n-1 =	degrees of freedom (number of samples - 1)
	k =	number of downgradient samples per event
	.95 =	confidence interval
	Std Dev =	standard deviation of background samples
	m =	number independent samples from each sampling point
	n =	number of background samples

For:	Mean Conc =	603.625	
	Std Dev =	308.382	
	t(n-1,k,.95)*sqrt(1/m+1/n) =	1.720	
	k =	1	
	m =	1	
	n =	32	
	UPL =	**1134**	ug/L

Project Name: Henderson County Landfill
Project No: 0839-650610.100
Date: 10/27/10

Parametric Tolerance Interval for Aitchison's adjusted data

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	528.00	100.00
2	02/14/95	MW-8	601.00	100.00
3	04/03/95	MW-8	786.00	100.00
4	10/30/95	MW-8	835.00	100.00
5	04/08/96	MW-8	790.00	100.00
6	10/24/96	MW-8	925.00	100.00
7	04/15/97	MW-8	810.00	100.00
8	10/29/97	MW-8	700.00	100.00
9	05/14/98	MW-8	628.00	100.00
10	10/11/98	MW-8	ND	100.00
11	06/04/99	MW-8	552.00	100.00
12	10/29/99	MW-8	ND	100.00
13	04/20/00	MW-8	ND	100.00
14	11/07/00	MW-8	ND	100.00
15	05/15/01	MW-8	604.00	100.00
16	10/16/01	MW-8	298.00	100.00
17	04/24/02	MW-8	642.00	100.00
18	10/01/02	MW-8	ND	100.00
19	04/09/03	MW-8	522.00	100.00
20	10/20/03	MW-8	720.00	100.00
21	03/24/04	MW-8	829.00	100.00
22	10/27/04	MW-8	866.00	100.00
23	10/04/05	MW-8	982.00	100.00
24	04/25/06	MW-8	822.00	100.00
25	10/04/06	MW-8	920.00	100.00
26	03/21/07	MW-8	992.00	100.00
27	10/02/07	MW-8	695.00	100.00
28	04/03/08	MW-8	714.00	100.00
29	10/29/08	MW-8	429.00	100.00
30	03/24/09	MW-8	517.00	100.00
31	09/22/09	MW-8	916.00	100.00
32	03/22/10	MW-8	693.00	100.00

Note: All sample concentrations are micrograms per liter

The background mean and standard deviation were modified using Aitchison's Adjustment.
The adjusted mean and standard deviation are as follows:

The adjusted mean and standard deviation are

adjusted mean =	603.63
adjusted standard deviation =	308.38

Using the background data, the upper Tolerance Limit can be determined using

Upper Tolerance Limit = (Mean Concentration) + K x (Standard Deviation Samples)

where: K = factor for constructing one sided normal tolerance limit taken from table 4-2, page 87, Statistical Methods for Groundwater Monitoring, Gibbons, 1994

n = number of background samples

For: K = 2.198

n = 32

UTL = 1281 ug/L

Project Name: Henderson County Landfill
Project No: 0839-650610.100
Date: 10/27/10

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

Number of Data	34
Number of Truncated Data	24
Percentage of Truncated Data	71%

Nonparametric Prediction Interval: **75.9** ug/L

Project Name: Henderson County Landfill
Project No: 0839-650610.100
Date: 10/27/10

Analyte: Mercury

Sample No.	Sample Date	Location	Concentration (ug/L)		Quantitation Limit (ug/L)
1	10/30/95	MW-5	0.5		0.2
2	10/24/96	MW-5	0.7		0.2
3	10/29/97	MW-5	ND		0.2
4	05/14/98	MW-5	ND		0.2
5	10/11/98	MW-5	ND		0.2
6	06/04/99	MW-5	ND		0.2
7	10/29/99	MW-5	ND		0.2
8	04/20/00	MW-5	ND		0.2
9	11/07/00	MW-5	ND		0.2
10	05/15/01	MW-5	ND		0.2
11	10/16/01	MW-5	ND		0.2
12	04/24/02	MW-5	ND		0.2
13	10/01/02	MW-5	ND		0.2
14	04/09/03	MW-5	ND		0.2
15	10/20/03	MW-5	ND		0.2
16	03/24/04	MW-5	ND		0.2
17	10/27/04	MW-5	ND		0.2
18	05/25/05	MW-5	ND		0.2
19	10/04/05	MW-5	ND		0.2
20	04/25/06	MW-5	ND		0.2
21	10/04/06	MW-5	ND		0.2
22	03/21/07	MW-5	ND		0.2
23	10/02/07	MW-5	ND		0.2
24	04/03/08	MW-5	ND		0.2
25	10/29/08	MW-5	ND		0.2
26	03/24/09	MW-5	ND		0.2
27	09/22/09	MW-5	ND		0.2
28	03/22/10	MW-5	ND		0.2
29	09/23/10	MW-5	ND		0.2

Number of Data	29
Number of Truncated Data	27
Percentage of Truncated Data	93%

Nonparametric Prediction Interval: **0.70** ug/L

Project Name: Henderson County Landfill
Project No: 083-9650610.100
Date: 10/27/10

Analyte: Zinc

Sample No.	Sample Date	Location	Concentration (ug/L)		Quantitation Limit (ug/L)
1	12/5/94	MW-5	21		10
2	2/14/95	MW-5	33		10
3	4/3/95	MW-5	29		10
4	10/30/95	MW-5	25		10
5	4/8/96	MW-5	44		10
6	10/24/96	MW-5	37		10
7	4/15/97	MW-5	50		10
8	10/29/97	MW-5	ND		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	ND		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	15.6	J	10
28	10/2/07	MW-5	44		10
29	4/3/08	MW-5	31.9		10
30	10/29/08	MW-5	20.1		10
31	10/29/08	MW-5	13.8		10
32	3/22/10	MW-5	9.18	J	10
33	9/23/10	MW-5	ND		10

Number of Data	33
Number of Truncated Data	20
Percentage of Truncated Data	61%

Nonparametric Prediction Interval: **50.0** ug/L

Project Name: Henderson County Landfill
Project No: 0839-650610.100
Date: 10/27/10

Analyte: Zinc (Intrawell MW-8)

Sample No.	Sample Date	Location	Concentration (ug/L)		Quantitation Limit (ug/L)
1	12/05/94	MW-8	20		10
2	02/14/95	MW-8	69		10
3	04/03/95	MW-8	29		10
4	10/30/95	MW-8	ND		10
5	04/08/96	MW-8	67		10
6	10/24/96	MW-8	18		10
7	04/15/97	MW-8	30		10
8	10/29/97	MW-8	ND		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	05/25/05	MW-8	ND		10
24	10/04/05	MW-8	ND		10
25	04/25/06	MW-8	ND		10
26	10/04/06	MW-8	ND		10
27	03/21/07	MW-8	10.1	J	10
28	10/02/07	MW-8	5.43	J	10
29	04/03/08	MW-8	10.4		10
30	10/29/08	MW-8	6.90	J	10
31	03/24/09	MW-8	38.3		10
32	09/22/09	MW-8	12.8		10
33	03/22/10	MW-8	36.7		10

Number of Data	33
Number of Truncated Data	20
Percentage of Truncated Data	61%

Nonparametric Prediction Interval: **69.0** 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.

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