WATER QUALITY MONITORING REPORT

FIRST 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.
4900 Koger Boulevard, Suite 140
Greensboro, NC. 27407 USA

May 2010 **0839-650609.800**

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NC DENR
Division of Waste Management - Solid Waste

Environmental Monitoring Reporting Form

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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	March 22-24, 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.	Senior Project Hydrogeologist	(336) 852-4903
Facility Representative Name (Print)	Title	(Area Code) Telephone Number

Signature: David Y. Reedy II Date: 5-26-10

Affix NC Licensed/ Professional Geologist Seal

NORTH CAROLINA LICENSED SEAL 1963 GEOLOGIST DAVID YATES REEDY, II 5-26-10

Revised 10/2006

May 26, 2010 0839-650609.800

Ms. Jackie Drummond
Department of Environment and Natural Resources
Division of Waste Management
Solid Waste Section
401 Oberlin Road, Suite 150
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RE: WATER QUALTITY MONITORING REPORT, FIRST 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 March 22-24, 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 monitoring wells at the closed MSW facility were analyzed for the NC Appendix II list of parameters, except for the assessment monitoring wells, which were sampled for the NC Appendix I list of parameters plus mercury. No sample was collected from MW-6 during this event because the well was dry. Groundwater samples from the closed C&D facility were analyzed for the NC Appendix I list of constituents plus indicator parameters specified in Title 15A NCAC 13B.0566. Surface water samples were analyzed for the NC Appendix I list of constituents.

As presented, two inorganic constituents (barium 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 March 2010 monitoring event. The concentrations of barium and zinc were statistically determined to be below background. Thallium was detected in the sample from MW-8 above the NC 2L Standard; however, the concentration is estimated (below the SWSL). No other NC Appendix I inorganic constituents exceeded their respective NC 2L Standards or Groundwater Protection Standards (GWPSs) during the March 2010 event.

Five NC Appendix I volatile organic constituents (VOCs) were detected above their respective SWSLs in one or more downgradient monitoring wells at the MSW landfill during the March 2010 event: benzene; chlorobenzene; 1,4-dichlorobenzene; cis-1,2-dichloroethene; and vinyl chloride. Of these, the following VOCs were detected at concentrations that exceeded their respective NC 2L Standards: benzene in samples from MW-7 and AMW-1D; 1,4-dichlorobenzene in the sample from MW-7; trichloroethene in the sample from MW-8; and vinyl chloride in the sample from MW-7. Tetrachloroethene in the sample from MW-8 and vinyl chloride in the sample from AMW-1D were also detected at concentrations above their respective NC 2L Standards; however, the concentrations are estimated (below the SWSLs). These detected constituents and concentrations are generally consistent with reported concentrations during recent events at the closed MSW landfill.

Two NC Appendix I inorganic constituents (beryllium and zinc) were detected at the closed C&D landfill in samples from one or more downgradient monitoring wells at concentrations above their respective SWSLs during this event. The concentrations of these constituents are below their respective groundwater standards and no further action is required. The concentrations of the indicator parameters iron and manganese in samples from all of the downgradient monitoring wells at the C&D landfill

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exceeded the NC 2L 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 (cis-1,2-dichloroethene in samples from MW-11, trichlorofluoromethane in samples from MW-12 and MW-13, and tetrachloroethene in samples from MW-11 and MW-12) were detected above their respective SWSLs during the March 2010 event at the C&D landfill. The concentrations of tetrachloroethene in MW-11 and MW-12 exceeded the NC 2L Standard. The source of these constituents may be the closed TVA disposal area and/or landfill gas, rather than the C&D unit. As described in the work plan submitted on September 17, 2009, an Alternate Source Demonstration will be prepared to determine the source of the VOCs in recent samples from the C&D landfill wells.

Silver was detected at estimated concentrations above its applicable surface water standard in the sample from BR-2. The detection of silver is consistent with previous sampling events. Also, 1,4-dichlorobenzene was detected above the SWSL in BR-2. No NC Appendix I organic constituents were detected above their applicable surface water standards in surface water monitoring points during the March 2010 sampling event.

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 September 2010. Henderson County is continuing with groundwater assessment activities as presented in the September 17, 2009, work plan. 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 March 22-24, 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 March 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.

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 March 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 (CDM, December 2008).

Based on the March 2010 groundwater surface contour map, the average hydraulic gradient in the shallow aquifer underlying the MSW landfill was calculated to be approximately 0.091 foot/foot (Table 2). The hydraulic gradient underlying the C&D landfill was calculated to be approximately 0.263 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 80 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 229 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 March 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 March 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 1 to 7 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 March 2010 Groundwater and Surface Water Monitoring Event

Personnel from Golder visited the facility on March 22-24, 2010, to purge and sample the 12 monitoring wells at the closed MSW and C&D landfills and to sample 4 surface water monitoring points. Well MW-6 was dry during the event and a sample was unable to be obtained. 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-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, 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 March 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 March 25, 2010, in good condition and properly preserved. Groundwater samples from MSW wells MW-5, MW-7, and MW-8 were analyzed for the NC Appendix II list of constituents. Groundwater samples from MSW assessment wells AMW-1S, AMW-1D, AMW-2S, and AMW-2D were analyzed for the NC Appendix I list of parameters plus mercury. Groundwater samples from the closed C&D facility were analyzed for the NC Appendix I list of constituents plus indicator parameters specified in Title 15A NCAC 13B.0566. Surface water samples were analyzed for the NC Appendix I list of constituents.

2.5 March 2010 Sampling Results for the Closed MSW Landfill

Analytical results for the March 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, two NC Appendix I inorganic constituents (barium and zinc) were detected at concentrations above their respective Solid Waste Section Limits (SWSLs) in samples from one or more downgradient monitoring wells during the March 2010 event. Five NC Appendix I VOCs (benzene; chlorobenzene; 1,4-dichlorobenzene; cis-1,2-dichloroethene; and vinyl chloride) were detected above their respective SWSLs in samples from one or more downgradient monitoring wells during the March 2010 event.

As presented, two NC Appendix I inorganic constituents (barium and zinc) were detected above their respective SWSLs in one or more surface water points during the March 2010 event. One VOC (1,4-dichlorobenzene) was detected above its SWSL in surface water point BR-2 during the sampling event. No other inorganic or organic constituents were detected above the SWSLs during the March 2010 event.

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

Analytical results for the March 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.

Two NC Appendix I inorganic constituents (beryllium and zinc) were detected above their respective SWSLs in one or more downgradient monitoring wells during the March 2010 event. Indicator metals iron and manganese were also detected in sample from one or more monitoring wells during this event above their SWSLs. Three NC Appendix I VOCs (cis-1,2-dichloroethene in MW-11, trichlorofluoromethane in MW-12 and MW-13, and tetrachloroethene in MW-11 and MW-12) were detected above their respective SWSLs during the event.

3.0 LABORATORY AND FIELD QA/QC

A field blank was collected by Golder personnel as part of the March 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 March 2010 sampling event to and from the laboratory. ENCO analyzed the field blank for the NC Appendix II list of parameters, and the trip blank for NC Appendix II VOCs.

A review of the laboratory data was performed by Golder (Appendix B). Barium, iron, and manganese were detected at estimated concentrations in the field blank during this event. Based on Golder's review,

the concentrations of barium in the sample from AMW-2D and MW-10, and the concentration of manganese in the sample from MW-10 are considered blank-qualified (Tables 3 and 4).

4.0 DATA EVALUATION

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

4.1 Statistical Evaluations

As discussed above, barium and zinc were detected above their respective SWSLs during the March 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 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. No detections of NC Appendix I inorganic constituents were determined to be statistically significant during the March 2010 event.

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 (NC 2L Standards) or Solid Waste Section Groundwater Protection Standards (GWPSs) at the MSW and C&D landfills during the March 2010 monitoring event. At the MSW landfill, the concentration of thallium exceeded the NC 2L Standard in the sample from MW-8; however, the concentration was reported at an estimated concentration below the SWSL. No other NC Appendix I inorganic constituents exceeded their respective NC 2L Standard or GWPSs during the March 2010 event.

Three NC Appendix I VOCs in samples from monitoring wells at the MSW landfill were detected at concentrations that exceeded their respective NC 2L Standards: benzene in samples from MW-7 and AMW-1D; 1,4-dichlorobenzene in the sample from MW-7; and vinyl chloride in the sample from MW-7. Tetrachloroethene in the sample from MW-8 and vinyl chloride in the sample from AMW-1D were also detected above their respective NC 2L Standards during this event; however both concentrations are estimated concentrations below the SWSLs.

At the C&D landfill, two inorganic constituents exceeded their respective groundwater standards during the March 2010 event. Indicator parameters iron and manganese exceeded their respective NC 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 may be naturally occurring.

One NC Appendix I VOC (tetrachloroethene) was reported above its NC 2L Standard in samples from MW-11 and MW-12 during the March 2010 event. This is the second event that tetrachloroethene has been detected above the SWSL in MW-11 and the fourth event it has been detected in MW-12. Based on the location of the wells, the tetrachloroethene may be associated with the TVA Landfill and/or landfill gas.

Silver was detected at an estimated concentration above its applicable surface water standard in the sample from BR-2. The concentration of silver is consistent with previous sampling events. No NC Appendix I VOCs were detected above their applicable surface water standards in surface water monitoring points during the March 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 September 17, 2009, work plan. The next compliance monitoring event for this facility is tentatively scheduled for September 2010.

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, March 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*.

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
MEAN	*2328.92*	*2189.98*	*2190.68*	*2208.62*	*2242.40*	*2368.50*	*2259.73*	*2247.41*	*2248.41*	*2179.32*	*2176.18*	*2169.50*	*2172.80*	*2200.69*	*2200.85*	*2174.97*	*2169.21*
MAXIMUM	*2342.62*	*2194.99*	*2193.88*	*2209.61*	*2244.64*	*2376.31*	*2266.46*	*2250.60*	*2253.17*	*2182.71*	*2178.32*	*2170.28*	*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*	*2170.93*	*2200.47*	*2200.58*	*2174.92*	*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

March 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	1818	2340 / 2180	0.0880	0.15	1.26E-04	76.65
i_2	SSW	1478	2340 / 2200	0.0947	0.15	1.26E-04	82.50
i_3	WSW	381	2360 / 2260	0.2626	0.15	1.26E-04	228.75

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	Downgradient Wells								Blanks
				MW-5	MW-6	MW-7	MW-8	MW-9	AMW-1S	AMW-1D	AMW-2S	AMW-2D	
Antimony	ug/L	12/05/94	6	ND	ND	ND	ND	ND	--	--	--	--	--
SWS GPS = 1.4 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
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
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
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

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	Downgradient Wells								Blanks
				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
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
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
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

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

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
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
Mercury	ug/L	12/05/94	0.2	--	--	--	--	--	--	--	--	--	--
NC 2L = 1 ug/L	ug/L	02/14/95	0.2	--	--	--	--	--	--	--	--	--	--
	ug/L	04/03/95	0.2	--	--	--	--	--	--	--	--	--	--
	ug/L	10/30/95	0.2	0.5	ND	0.9	0.9	0.8	--	--	--	--	--
	ug/L	04/08/96	0.2	--	--	--	--	--	--	--	--	--	--
	ug/L	10/24/96	0.2	0.7	--	ND	ND	ND	--	--	--	--	--
	ug/L	04/15/97	0.2	--	--	--	--	--	--	--	--	--	--
	ug/L	10/29/97	0.2	ND	ND	1.9	0.8	ND	--	--	--	--	--
	ug/L	05/14/98	0.2	ND	ND	2	0.2	ND	--	--	--	--	--
	ug/L	10/11/98	0.2	ND	ND	ND	0.2	ND	--	--	--	--	--
	ug/L	06/04/99	0.2	ND	ND	0.5	ND	ND	--	--	--	--	--
	ug/L	10/29/99	0.2	ND	ND	0.4	ND	ND	--	--	--	--	--
	ug/L	04/20/00	0.2	ND	ND	1.0	ND	ND	ND	--	--	--	--
	ug/L	11/07/00	0.2	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	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
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
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

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	Downgradient Wells								Blanks
				MW-5	MW-6	MW-7	MW-8	MW-9	AMW-1S	AMW-1D	AMW-2S	AMW-2D	
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
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
Tin	ug/L	12/05/94	--	--	--	--	--	--	--	--	--	--	--
No Standard	ug/L	02/14/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	04/03/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/30/95	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/08/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/24/96	--	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	04/15/97	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/29/97	--	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	05/14/98	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/11/98	--	--	--	--	--	--	--	--	--	--	--
	ug/L	06/04/99	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/29/99	--	--	--	--	--	--	--	--	--	--	--
	ug/L	04/20/00	--	--	--	--	--	--	--	--	--	--	--
	ug/L	11/07/00	--	--	--	--	--	--	--	--	--	--	--
	ug/L	05/15/01	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/16/01	--	--	--	--	--	--	--	--	--	--	--
	ug/L	04/24/02	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/01/02	--	--	--	--	--	--	--	--	--	--	--
	ug/L	04/09/03	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/20/03	--	--	--	--	--	--	--	--	--	--	--
	ug/L	03/24/04	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/27/04	--	--	--	--	--	--	--	--	--	--	--
	ug/L	05/25/05	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/04/05	--	--	--	--	--	--	--	--	--	--	--
	ug/L	04/25/06	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/04/06	--	--	--	--	--	--	--	--	--	--	ND
	ug/L	03/21/07	--	--	--	--	--	--	--	--	--	--	ND
	ug/L	10/02/07	--	--	--	--	--	--	--	--	--	--	ND
	ug/L	04/03/08	--	--	--	--	--	--	--	--	--	--	ND
	ug/L	10/29/08	--	--	--	--	--	--	--	--	--	--	ND
	ug/L	03/24/09	100	ND	ND	1.4 J	5.4 J	ND	1.3 J	2.0 J	1.5 J	ND	ND
	ug/L	09/22/09	--	--	--	--	--	--	--	--	--	--	--
	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

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
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
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
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
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	8	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

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	Downgradient Wells								Blanks
				MW-5	MW-6	MW-7	MW-8	MW-9	AMW-1S	AMW-1D	AMW-2S	AMW-2D	
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
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
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
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

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
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
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
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	09/22/09	5	--	--	--	--	--	--	--	--	--	--
	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

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

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
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
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
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
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

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
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
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
2-Hexanone	ug/L	12/05/94	50	ND	ND	ND	ND	ND	--	--	--	--	--
NC 2L = 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
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

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
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
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
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
Naphthalene	ug/L	12/05/94	5	--	--	--	--	--	--	--	--	--	--
NC 2L = 6 ug/L	ug/L	02/14/95	5	--	--	--	--	--	--	--	--	--	--
	ug/L	04/03/95	5	--	--	--	--	--	--	--	--	--	--
	ug/L	10/30/95	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/08/96	5	--	--	--	--	--	--	--	--	--	--
	ug/L	10/24/96	5	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	04/15/97	5	--	2	--	--	--	--	--	--	--	--
	ug/L	10/29/97	5	ND	ND	2	ND	ND	--	--	--	--	--
	ug/L	05/14/98	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	5	ND	9	ND	ND	ND	--	--	--	--	--
	ug/L	06/04/99	5	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/20/00	10	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/07/00	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	05/15/01	10	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/16/01	10	ND	ND	ND	ND	ND	--	ND	--	--	--
	ug/L	04/24/02	10	ND	7	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/01/02	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/09/03	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	10	ND	7	ND	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	10	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	10	ND	6	ND	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	10	ND	ND	ND	--	ND	ND	ND	--	--	--
	ug/L	10/04/05	10	ND	8	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	10	ND	6	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	10	ND	6	ND	ND	ND	ND	ND	--	--	ND
	ug/L	03/21/07	10	ND	ND	0.66 J	0.57 J	ND	ND	ND	--	--	ND
	ug/L	10/02/07	10	ND	3.04	1.49	0.75	ND	ND	ND	--	--	ND
	ug/L	04/03/08	10	ND	ND	ND	0.76 J	ND	ND	ND	ND	ND	ND
	ug/L	10/29/08	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	03/24/09	10	ND	ND	ND	0.55 J	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	--	--	--	--	--	--	--	--	--	--	--
	ug/L	03/22/10	10	ND	Dry	ND	ND	--	--	--	--	--	ND

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	
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
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
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
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

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

Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting Limit	Upgradient Well	Downgradient Wells								Blanks
				MW-5	MW-6	MW-7	MW-8	MW-9	AMW-1S	AMW-1D	AMW-2S	AMW-2D	
1,1,2-Trichloroethane	ug/L	12/05/94	1	ND	ND	ND	ND	ND	--	--	--	--	--
SWS GPS = 0.18 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
Trichlorofluoromethane	ug/L	12/05/94	1	ND	ND	ND	ND	ND	--	--	--	--	--
NC 2L = 2100 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
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
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

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
2-Methylphenol	ug/L	12/05/94	--	--	--	--	--	--	--	--	--	--	--
SWS GPS = 35 ug/L	ug/L	02/14/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	04/03/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/30/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	04/08/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	05/29/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	06/06/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/24/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	04/15/97	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/29/97	--	ND	120	ND	ND	ND	--	--	--	--	--
	ug/L	05/14/98	--	ND	170	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	06/04/99	--	ND	200	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/20/00	--	ND	52	ND	ND	ND	ND	--	--	--	--
	ug/L	11/07/00	--	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	05/15/01	--	ND	14	ND	ND	ND	ND	--	--	--	--
	ug/L	10/16/01	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/24/02	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/01/02	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/09/03	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	--	ND	38	ND	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	--	ND	2440	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	--	ND	2240	ND	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	--	ND	278	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/04/05	--	ND	28.6	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	--	ND	82.8	ND	ND	ND	ND	ND	--	--	--
	ug/L	03/21/07	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/02/07	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/03/08	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/30/08	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
	ug/L	03/24/09	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	--	--	--	--	--	--	--	--	--	--	--
	ug/L	03/22/10	10	ND	Dry	ND	ND	--	--	--	--	--	ND
Diethylphthalate	ug/L	12/05/94	--	--	--	--	--	--	--	--	--	--	--
NC 2L = 6000 ug/L	ug/L	02/14/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	04/03/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/30/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	06/06/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/24/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	04/15/97	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/29/97	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	05/14/98	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	06/04/99	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/20/00	--	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/07/00	--	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	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	09/22/09	--	--	--	--	--	--	--	--	--	--	--
	ug/L	03/22/10	10	ND	Dry	ND	ND	--	--	--	--	--	ND
2,4-dimethylphenol	ug/L	12/05/94	--	--	--	--	--	--	--	--	--	--	--
NC 2L = 100 ug/L	ug/L	02/14/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	04/03/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/30/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	06/06/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/24/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	04/15/97	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/29/97	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	05/14/98	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	06/04/99	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/20/00	--	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	11/07/00	--	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	05/15/01	--	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	10/16/01	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/24/02	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/01/02	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/09/03	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	--	ND	19	ND	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	--	ND	35.9	ND	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	--	ND	140	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/04/05	--	ND	548	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	--	ND	101	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	--	ND	86.6	ND	ND	ND	ND	ND	--	--	--
	ug/L	03/21/07	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/02/07	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/03/08	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/30/08	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
	ug/L	03/24/09	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	--	--	--	--	--	--	--	--	--	--	--
	ug/L	03/22/10	10	ND	Dry	ND	ND	--	--	--	--	--	ND
Phenol	ug/L	12/05/94	--	--	--	--	--	--	--	--	--	--	--
NC 2L = 30 ug/L	ug/L	02/14/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	04/03/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/30/95	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/08/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	05/29/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	06/06/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/24/96	--	ND	--	ND	ND	ND	--	--	--	--	--
	ug/L	04/15/97	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/29/97	--	ND	240	ND	ND	ND	--	--	--	--	--
	ug/L	05/14/98	--	ND	1400	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	06/04/99	--	ND	3100	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/20/00	--	ND	190	ND	ND	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	09/22/09	--	--	--	--	--	--	--	--	--	--	--
	ug/L	03/22/10	10	ND	Dry	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	Downgradient Wells								Blanks
				MW-5	MW-6	MW-7	MW-8	MW-9	AMW-1S	AMW-1D	AMW-2S	AMW-2D	
3 &4-methylphenol	ug/L	12/05/94	--	--	--	--	--	--	--	--	--	--	--
NC 2L Standard = 400/40 ug/L	ug/L	02/14/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	04/03/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/30/95	--	--	--	--	--	--	--	--	--	--	--
	ug/L	04/08/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	05/29/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	06/06/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/24/96	--	--	--	--	--	--	--	--	--	--	--
	ug/L	04/15/97	--	--	--	--	--	--	--	--	--	--	--
	ug/L	10/29/97	--	ND	140	ND	ND	ND	--	--	--	--	--
	ug/L	05/14/98	--	ND	160	ND	ND	ND	--	--	--	--	--
	ug/L	10/11/98	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	06/04/99	--	ND	260	ND	ND	ND	--	--	--	--	--
	ug/L	10/29/99	--	ND	ND	ND	ND	ND	--	--	--	--	--
	ug/L	04/20/00	--	ND	57	ND	ND	ND	ND	--	--	--	--
	ug/L	11/07/00	--	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	05/15/01	--	ND	ND	ND	ND	ND	ND	--	--	--	--
	ug/L	10/16/01	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/24/02	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/01/02	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/09/03	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/20/03	--	ND	27	ND	ND	ND	ND	ND	--	--	--
	ug/L	03/24/04	--	ND	1930	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/27/04	--	ND	2880	ND	ND	ND	ND	ND	--	--	--
	ug/L	05/25/05	--	ND	398	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/04/05	--	ND	109	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/25/06	--	ND	25.4	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/04/06	--	ND	16.4	ND	ND	ND	ND	ND	--	--	--
	ug/L	03/21/07	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/02/07	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	04/03/08	--	ND	ND	ND	ND	ND	ND	ND	--	--	--
	ug/L	10/30/08	--	ND	4.26 J	ND	ND	ND	ND	ND	ND	ND	--
	ug/L	03/24/09	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	ug/L	09/22/09	--	--	--	--	--	--	--	--	--	--	--
	ug/L	03/22/10	10	ND	Dry	ND	ND	--	--	--	--	--	ND
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	--
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	--
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	--
Turbidity (field)	NTU	03/24/09	--	59.0	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	91.0	46.0	--
	NTU	03/22/10	--	73.8	Dry	17.0	33.8	--	19.0	9.68	24.8	18.4	--

Notes:

ug/L = micrograms per liter
mg/L = milligrams per liter
NTU = Nephelometric Turbidity Units
mV = millivolts
S.U. = Standard Units
ND = Not detected at the stated reporting limit
NM = Not measured
J = estimated concentration
B = Blank-qualified result
-- = no data available
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 = 1.4 ug/L	ug/L	09/22/09	6	ND	ND	0.0980 J	ND	ND
	ug/L	03/24/10	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
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
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 J
	ug/L	03/24/10	1	0.178 J	1.46	0.130 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
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

Golder Associates

TABLE 4

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

Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting	Upgradient Well MW-10		Downgradient Wells MW-11		MW-12		MW-13		Blanks
Cobalt	ug/L	03/24/09	10	0.8	J	ND		1.1	J	ND		ND
GWPS = 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
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
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
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
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
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

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	
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	
Vanadium	ug/L	03/24/09	25	4.9	J	1.0	J	6.5	J	3.3	J	ND	
GWPS = 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	
Zinc	ug/L	03/24/09	10	8.0	B	9.0	B	17.9		7.2	B	3.4	J
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	
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	J
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	J
	ug/L	03/24/10	50	4.51	B	1780		142		111		2.13	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	
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	
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	

TABLE 4

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

Detected Monitoring Constituent/Parameter	Units	Date	SWS Reporting	Upgradient Well MW-10	Downgradient Wells MW-11	MW-12	MW-13	Blanks
1,4-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
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
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
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 J
	µg/L	10/02/07	1	ND	ND	1.42 B	ND	0.61 J
	µg/L	04/01/08	1	ND	0.52 B	2.83 J	0.48 B	0.54 J
	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

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
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
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
1,1,1-Trichloroethane	µg/L	06/21/01	1	ND	ND	ND	ND	--
SWS GPS = 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
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

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
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
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
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
Chloride	mg/L	03/24/09	--	ND	8.8	4.1 J	ND	ND
NC 2L = 250 mg/L	mg/L	09/22/09	--	3.1 J	8.1	8.7	3.6 J	ND
	mg/L	03/24/10	--	ND	1.7 J	7.3	2.5 J	ND
Total Dissolved Solids	mg/L	03/24/09	--	86	310	190	140	ND
NC 2L = 500 mg/L	mg/L	09/22/09	--	66	280	160	130	ND
	mg/L	03/24/10	--	22	110	170	140	ND
Sulfate as SO4	mg/L	03/24/09	250	1.5 J	150 J	18 J	3.0 J	ND
NC 2L = 250 mg/L	mg/L	09/22/09	250	1.7 J	100 J	17 J	3.9 J	ND
	mg/L	03/24/10	250	ND	5.3 J	16 J	2.1 J	ND
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
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	--

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	
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	--
Temperature (field)	Celsius	03/21/07	--	14.1	15.5	13.5	13.1	--
	Celsius	10/02/07	--	--	--	--	--	--
	Celsius	04/01/08	--	--	--	--	--	--
	Celsius	10/29/08	--	--	--	--	--	--
	Celsius	03/24/09	--	16.0	14.7	14.1	15.8	--
	Celsius	09/22/09	--	15.68	15.92	14.99	14.90	--
	Celsius	03/24/10	--	13.36	14.12	13.13	12.31	--
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	--

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.
2) The sulfate value fro MW-11 from 09/22/09 was diluted 2:1.

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
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

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
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	

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
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

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	
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	

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	
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	

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
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

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
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

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
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 J	1.73 J	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

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
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

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
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

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
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

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
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

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
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

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
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

TABLE 5

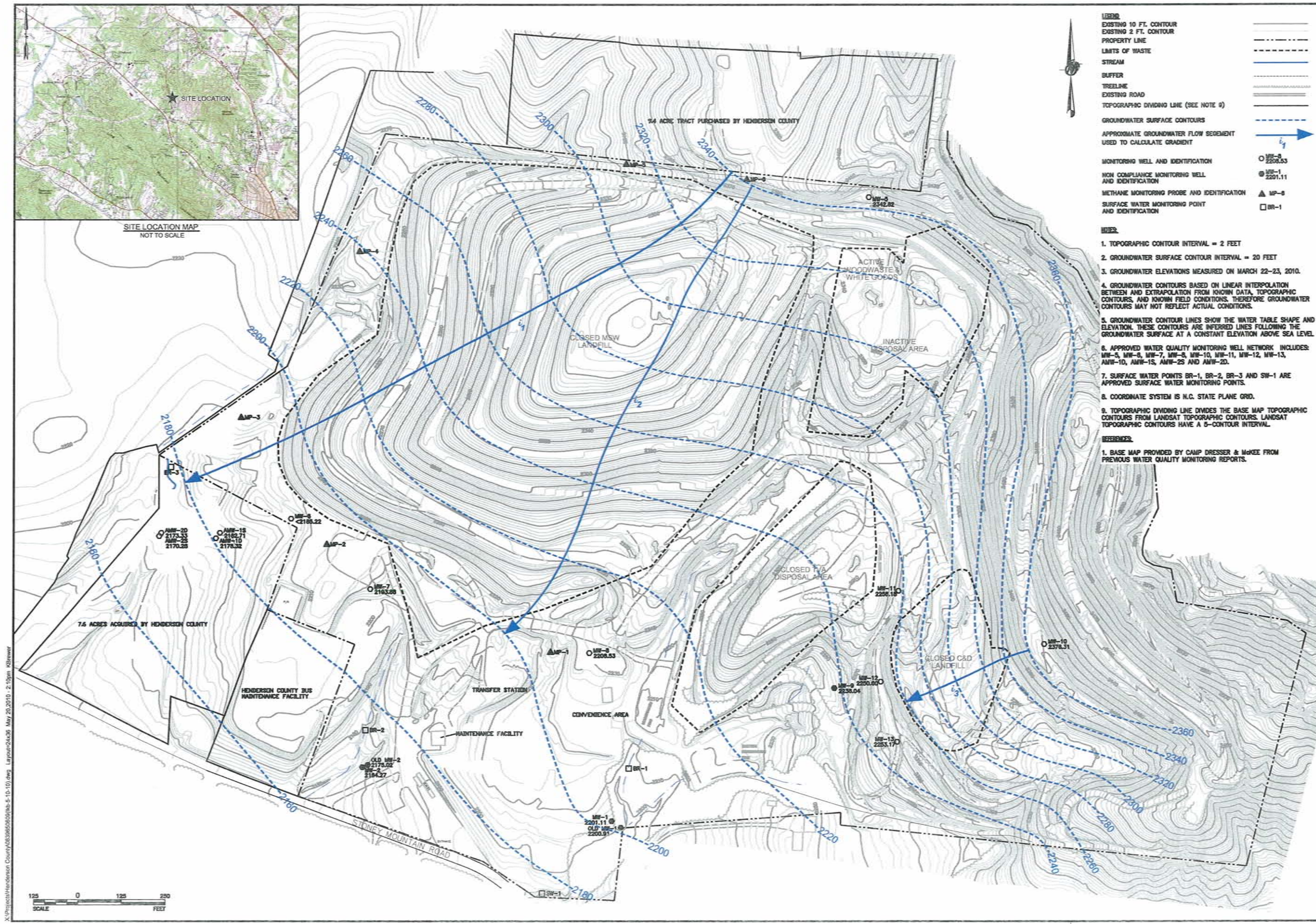
Summary of Detected Constituents in Surface Water Monitoring Points
Henderson County Closed Landfill, Permit No. 45-01
Henderson County, North Carolina

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
pH (field)	S.U.	10/05/06	--	5.90	6.62	6.74	6.80	--
	S.U.	03/21/07	--	--	--	--	--	--
	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.	10/29/08	--	--	--	--	--	--
	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	--
Conductivity (field)	uS/cm	10/05/06	--	530	765	1512	184	--
	uS/cm	03/21/07	--	--	--	--	--	--
	uS/cm	10/02/07	--	498	1029	3037	321	--
	uS/cm	04/01/08	--	400	932	2355	400	--
	uS/cm	10/29/08	--	--	--	--	--	--
	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	--
Temperature (field)	Celsius	10/05/06	--	15.7	16.0	15.9	17.0	--
	Celsius	03/21/07	--	--	--	--	--	--
	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	10/29/08	--	--	--	--	--	--
	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	--
Turbidity (field)	NTU	03/24/09	--	34.2	12.7	3.02	6.6	--
	NTU	09/22/09	--	69.3	29.7	24.9	9.06	--
	NTU	03/22/10	--	29.6	12.6	10.0	23.0	--
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	--
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	--

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 2208.53
- NON COMPLIANCE MONITORING WELL AND IDENTIFICATION — MW-1 2201.11
- METHANE MONITORING PROBE AND IDENTIFICATION — MP-8
- 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 MARCH 22-23, 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-10, AMW-15, AMW-25 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
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
MARCH 22-23, 2010

PROJECT No. 083-9600609		
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\083-9600609\Mb-5-10-10.dwg Layout=24x36 May 20,2010 - 2:10pm KBrewer

APPENDIX A

GROUNDWATER AND SURFACE WATER SAMPLING LOGS

Golder Associates

DATE: 3/22/2010

GROUNDWATER SAMPLING LOG

Project Name: Henderson County LF
Project No./Phase No.: 0839-650609.800
Well ID: MW-5 (background)
Sampler(s): D. Reedy/R. Stringfellow
Well Diameter: 2 inches
Int. Depth to Water: 47.20 feet
Depth to Bottom: 73.00 feet
Total Water Column: 25.80 feet
Well Volume: 4.2 gallons
3x Well Volume: 12.6 gallons
Well Location: near large building above landfill overlooking MSW, white goods
Equipment: Disposable Poly Bailer, YSI 556, Hach 2100P, WL Meter

Time	pH (S.U.)	Cond. (uS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
10:42	5.68	176	12.7	13.50	0.0
10:57	5.15	114	>1000	13.23	4.2
11:08	5.35	113	>1000	12.52	8.4
11:19	5.41	113	>1000	13.17	12.8
Sampled 3/23/10 at 11:10					
11:10	5.58	148	73.8	13.17	--

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Weather - Mean Temp: 45°F, Variably Cloudy, Average Humidity: 62%, Some Wind

Signature: [signature] **Date:** 3-22-10

QA/QC Sign Off: [signature] **Date:** 5-20-10

Golder Associates

DATE: 3/22/2010

GROUNDWATER SAMPLING LOG

Project Name: Henderson County LF
Project No./Phase No.: 0839-650609.800
Well ID: MW-6
Sampler(s): D. Reedy/R. Stringfellow
Well Diameter: 2 inches
Int. Depth to Water: 19.02 feet
Depth to Bottom: 19.08 feet
Total Water Column: 0.06 feet
Well Volume: -- gallons
3x Well Volume: -- gallons
Well Location: Next to flare
Equipment: Disposable Poly Bailer, YSI 556, Hach 2100P, WL Meter

Time	pH (S.U.)	Cond. (uS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
Well Dry, No Sample Collected.					

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Weather - Mean Temp: 45°F, Variably Cloudy, Average Humidity: 62%, Some Wind

Signature: Paul Reedy **Date:** 3-22-10

QA/QC Sign Off: R. Stringfellow **Date:** 5-20-10

Golder Associates

DATE: 3/22/2010

GROUNDWATER SAMPLING LOG

Project Name: Henderson County LF
Project No./Phase No.: 0839-650609.800
Well ID: MW-7
Sampler(s): D. Reedy/R. Stringfellow
Well Diameter: 2 inches
Int. Depth to Water: 16.78 feet
Depth to Bottom: 27.95 feet
Total Water Column: 11.17 feet
Well Volume: 1.8 gallons
3x Well Volume: 5.4 gallons
Well Location: across from transfer station next to empty trailer
Equipment: Disposable Poly Bailer, YSI 556, Hach 2100P, WL Meter

Time	pH (S.U.)	Cond. (uS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
11:59	5.19	350	38.2	14.08	0.0
12:01	5.49	382	209	14.49	1.8
12:04	5.56	509	178	14.55	3.6
12:06	5.63	575	314	15.14	5.4
Sampled 3/23/10 at 11:30					
11:30	5.44	339	17.0	14.97	--

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Weather - Mean Temp: 45°F, Variably Cloudy, Average Humidity: 62%, Some Wind

Signature: [signature] **Date:** 3-22-10

QA/QC Sign Off: [signature] **Date:** 5-20-10

Golder Associates

DATE: 3/23/2010

GROUNDWATER SAMPLING LOG

Project Name: Henderson County LF
Project No./Phase No.: 0839-650609.800
Well ID: MW-8
Sampler(s): D. Reedy/R. Stringfellow
Well Diameter: 2 inches
Int. Depth to Water: 27.34 feet
Depth to Bottom: 30.65 feet
Total Water Column: 3.31 feet
Well Volume: 0.5 gallons
3x Well Volume: 1.5 gallons
Well Location: between entrance and exit driveways at convinience center
Equipment: Disposable Poly Bailer, YSI 556, Hach 2100P, WL Meter

Time	pH (S.U.)	Cond. (uS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
8:40	5.43	607	681	13.63	0.0
8:43	5.86	830	>1000	14.89	0.5
8:45	5.96	905	>1000	14.88	1.0
8:47	5.99	1017	>1000	14.81	1.5
Sampled 3/24/10 at 8:35					
8:35	6.01	884	33.8	11.76	--

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Weather - Mean Temp: 52°F, Average Humidity: 57%, Some Wind, Clear

Signature: [signature] **Date:** 3-23-10

QA/QC Sign Off: [signature] **Date:** 5-20-10

Golder Associates

DATE: 3/22/2010

GROUNDWATER SAMPLING LOG

Project Name: Henderson County LF
Project No./Phase No.: 0839-650609.800
Well ID: AMW-1S
Sampler(s): D. Reedy/R. Stringfellow
Well Diameter: 2 inches
Int. Depth to Water: 10.38 feet
Depth to Bottom: 30.38 feet
Total Water Column: 20.00 feet
Well Volume: 3.3 gallons
3x Well Volume: 9.9 gallons
Well Location: behind animal shelter
Equipment: Disposable Poly Bailer, YSI 556, Hach 2100P, WL Meter

Time	pH (S.U.)	Cond. (uS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
12:49	7.50	71	81.4	10.49	0.0
12:55	6.11	115	499	11.60	3.3
13:02	5.84	296	>1000	11.88	6.6
13:10	5.90	369	>1000	11.78	9.9
Sampled 3/23/10 at 11:50					
11:50	6.07	89	19.0	10.08	--

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Weather - Mean Temp: 45°F, Variably Cloudy, Average Humidity: 62%, Some Wind
A lot of algae in well.

Signature: [signature] **Date:** 3-22-10

QA/QC Sign Off: [signature] **Date:** 5-20-10

Golder Associates

DATE: 3/22/2010

GROUNDWATER SAMPLING LOG

Project Name: Henderson County LF
Project No./Phase No.: 0839-650609.800
Well ID: AMW-1D
Sampler(s): D. Reedy/R. Stringfellow
Well Diameter: 2 inches
Int. Depth to Water: 12.45 feet
Depth to Bottom: 62.65 feet
Total Water Column: 50.20 feet
Well Volume: 8.2 gallons
3x Well Volume: 24.6 gallons
Well Location: behind animal shelter
Equipment: Disposable Poly Bailer, YSI 556, Hach 2100P, WL Meter

Time	pH (S.U.)	Cond. (uS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
12:46	6.95	657	24.8	11.56	0.0
13:02	5.70	494	9.48	11.70	8.2
13:21	5.70	615	15.8	12.77	16.4
13:34	5.72	596	36.4	13.03	24.6
Sampled 3/23/10 at 12:00					
12:00	5.62	560	9.68	10.97	--

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Weather - Mean Temp: 45°F, Variably Cloudy, Average Humidity: 62%, Some Wind

Signature: [signature] **Date:** 3-22-10

QA/QC Sign Off: [signature] **Date:** 5-20-10

Golder Associates

DATE: 3/22/2010

GROUNDWATER SAMPLING LOG

Project Name: Henderson County LF
Project No./Phase No.: 0839-650609.800
Well ID: AMW-2S
Sampler(s): D. Reedy/R. Stringfellow
Well Diameter: 2 inches
Int. Depth to Water: 7.38 feet
Depth to Bottom: 25.07 feet
Total Water Column: 17.69 feet
Well Volume: 2.9 gallons
3x Well Volume: 8.7 gallons
Well Location: behind animal shelter
Equipment: Disposable Poly Bailer, YSI 556, Hach 2100P, WL Meter

Time	pH (S.U.)	Cond. (uS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
14:47	5.99	209	65.9	10.80	0.0
14:55	5.70	248	>1000	9.92	2.9
15:05	5.57	384	>1000	10.10	5.8
15:09	5.79	401	>1000	9.52	8.7
Sampled 3/23/10 at 12:17					
12:17	5.98	248	24.8	9.33	--

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Weather - Mean Temp: 45°F, Variably Cloudy, Average Humidity: 62%, Some Wind

Signature: Paul Reedy **Date:** 3-22-10

QA/QC Sign Off: [illegible] **Date:** 5-20-10

Golder Associates

DATE: 3/22/2010

GROUNDWATER SAMPLING LOG

Project Name: Henderson County LF
Project No./Phase No.: 0839-650609.800
Well ID: AMW-2D
Sampler(s): D. Reedy/R. Stringfellow
Well Diameter: 2 inches
Int. Depth to Water: 4.25 feet
Depth to Bottom: 82.57 feet
Total Water Column: 78.32 feet
Well Volume: 12.8 gallons
3x Well Volume: 38.4 gallons
Well Location: behind animal shelter
Equipment: Disposable Poly Bailer, YSI 556, Hach 2100P, WL Meter

Time	pH (S.U.)	Cond. (uS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
14:00	7.05	64	8.44	8.08	0.0
14:16	6.37	105	25.1	12.61	12.8
14:41	6.12	107	25.3	12.73	25.6
15:02	6.02	112	46.5	12.51	38.4
Sampled 3/23/10 at 12:25					
12:25	6.40	109	18.4	7.41	--

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Weather - Mean Temp: 45°F, Variably Cloudy, Average Humidity: 62%, Some Wind

Signature: Paul Reedy **Date:** 3-22-10

QA/QC Sign Off: Ryan Stringfellow **Date:** 5-20-10

Golder Associates

DATE: 3/23/2010

GROUNDWATER SAMPLING LOG

Project Name: Henderson County LF
Project No./Phase No.: 0839-650609.800
Well ID: MW-10 (background)
Sampler(s): D. Reedy/R. Stringfellow
Well Diameter: 2 inches
Int. Depth to Water: 28.24 feet
Depth to Bottom: 46.50 feet
Total Water Column: 18.26 feet
Well Volume: 3.0 gallons
3x Well Volume: 9.0 gallons
Well Location: overlooking C&D landfill
Equipment: Disposable Poly Bailer, YSI 556, Hach 2100P, WL Meter

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
9:20	6.44	35	223	11.79	0.0
9:26	5.98	42	319	13.10	3.0
9:32	5.78	44	533	13.11	6.0
9:37	5.63	44	645	13.28	9.0
Sampled 3/24/10 at 9:10					
9:10	7.47	42	6.36	13.36	--

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Weather - Mean Temp: 52°F, Average Humidity: 57%, Some Wind, Clear

Signature: [signature] **Date:** 3-23-10

QA/QC Sign Off: [signature] **Date:** 5-20-10

Golder Associates

DATE: 3/23/2010

GROUNDWATER SAMPLING LOG

Project Name: Henderson County LF
Project No./Phase No.: 0839-650609.800
Well ID: MW-11
Sampler(s): D. Reedy/R. Stringfellow
Well Diameter: 2 inches
Int. Depth to Water: 38.83 feet
Depth to Bottom: 48.20 feet
Total Water Column: 9.37 feet
Well Volume: 1.5 gallons
3x Well Volume: 4.5 gallons
Well Location: at base of C&D landfill in sediment basin
Equipment: Disposable Poly Bailer, YSI 556, Hach 2100P, WL Meter

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
14:38	5.76	186	15.5	15.42	0.0
14:40	5.40	217	55.2	15.65	1.5
14:43	5.37	171	23.4	14.70	3.0
14:45	5.28	167	34.5	14.39	4.5
Sampled 3/24/10 at 10:00					
10:00	5.64	170	16.6	14.12	--

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Weather - Mean Temp: 52°F, Average Humidity: 57%, Some Wind, Clear

Signature: [signature] **Date:** 3-23-10

QA/QC Sign Off: [signature] **Date:** 5-20-10

Golder Associates

DATE: 3/23/2010

GROUNDWATER SAMPLING LOG

Project Name: Henderson County LF
Project No./Phase No.: 0839-650609.800
Well ID: MW-12
Sampler(s): D. Reedy/R. Stringfellow
Well Diameter: 2 inches
Int. Depth to Water: 49.49 feet
Depth to Bottom: 61.71 feet
Total Water Column: 12.22 feet
Well Volume: 2.0 gallons
3x Well Volume: 6.0 gallons
Well Location: alond access road below C&D landfill
Equipment: Disposable Poly Bailer, YSI 556, Hach 2100P, WL Meter

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
14:06	5.57	243	25.0	14.50	0.0
14:11	5.36	260	>1000	13.77	2.0
14:15	5.32	261	>1000	13.79	4.0
14:19	5.63	256	>1000	13.83	6.0
Sampled 3/24/10 at 9:45					
9:45	5.90	249	51.1	13.13	--

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Weather - Mean Temp: 52°F, Average Humidity: 57%, Some Wind, Clear

Signature: Paul Reedy **Date:** 3-23-10

QA/QC Sign Off: [illegible] **Date:** 5-20-10

Golder Associates

DATE: 3/23/2010

GROUNDWATER SAMPLING LOG

Project Name: Henderson County LF
Project No./Phase No.: 0839-650609.800
Well ID: MW-13
Sampler(s): D. Reedy/R. Stringfellow
Well Diameter: 2 inches
Int. Depth to Water: 47.07 feet
Depth to Bottom: 90.60 feet
Total Water Column: 43.53 feet
Well Volume: 7.1 gallons
3x Well Volume: 21.3 gallons
Well Location: alond access road below C&D landfill
Equipment: Disposable Poly Bailer, YSI 556, Hach 2100P, WL Meter

Time	pH (S.U.)	Cond. (mS/cm)	Turb. (NTU)	Temp. (°C)	Vol. (gallons)
9:51	5.90	153	12.9	12.16	0.0
10:05	5.63	176	77.0	12.53	7.1
10:20	5.67	177	497	12.87	14.2
10:46	5.63	156	>1000	12.65	21.3
Sampled 3/24/10 at 9:30					
9:30	6.61	191	19.7	12.31	--

Comments (weather conditions, color, type of sample, purge-water management, etc.):
Weather - Mean Temp: 52°F, Average Humidity: 57%, Some Wind, Clear

Signature: Paul Reedy **Date:** 3-23-10

QA/QC Sign Off: R. Stringfellow **Date:** 5-20-10

Golder Associates

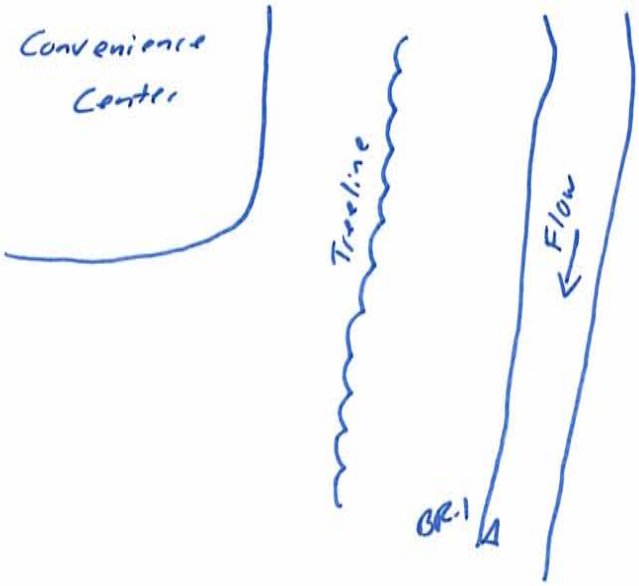
DATE: 3/24/2010

SURFACE WATER SAMPLING LOG

Project Name: *Henderson County* **Project No./Phase No.:** *0839-650609.800*
Sample ID: *BR-1* **Sampler(s):** *D. Reedy/R. Stringfellow*
Sampling Location: *approximately 200 ft downstream of convinience center*
Equipment: *YSIS 556, Hach 2100P*

Time	10:25
pH s.u.	6.29
Cond. uS/cm	343
Turb. ntu	29.6
Dis. O_2 mg/L	10.99
Temp. °C	6.79
ORP mv	-9.7

Surface Water Sampling Location Sketch



Comments (sample methodology, weather conditions, color, silt, etc.):
Weather - Mean Temp: 52°F, Average Humidity: 57%, Some Wind, Clear

Signature: Paul Reedy **Date:** 3-24-10

QA/QC Sign Off: [illegible] **Date:** 5-20-10

Golder Associates

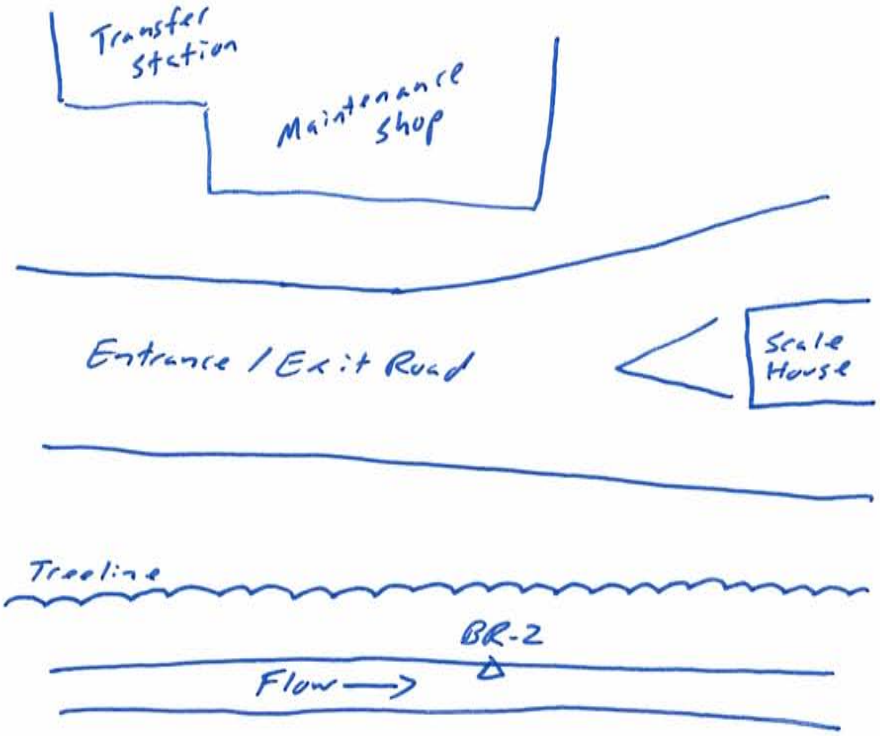
DATE: 3/24/2010

SURFACE WATER SAMPLING LOG

Project Name: Henderson County **Project No./Phase No.:** 0839-650609.800
Sample ID: BR-2 **Sampler(s):** D. Reedy/R. Stringfellow
Sampling Location: across form maintenance shop
Equipment: YSIS 556, Hach 2100P

Time	10:53
pH s.u.	6.32
Cond. uS/cm	783
Turb. ntu	12.6
Dis. O_2 mg/L	8.12
Temp. °C	9.49
ORP mv	-45.7

Surface Water Sampling Location Sketch



Comments (sample methodology, weather conditions, color, silt, etc.):
Weather - Mean Temp: 52°F, Average Humidity: 57%, Some Wind, Clear

Signature: [signature] **Date:** 3-24-10

QA/QC Sign Off: [signature] **Date:** 5-20-10

Golder Associates

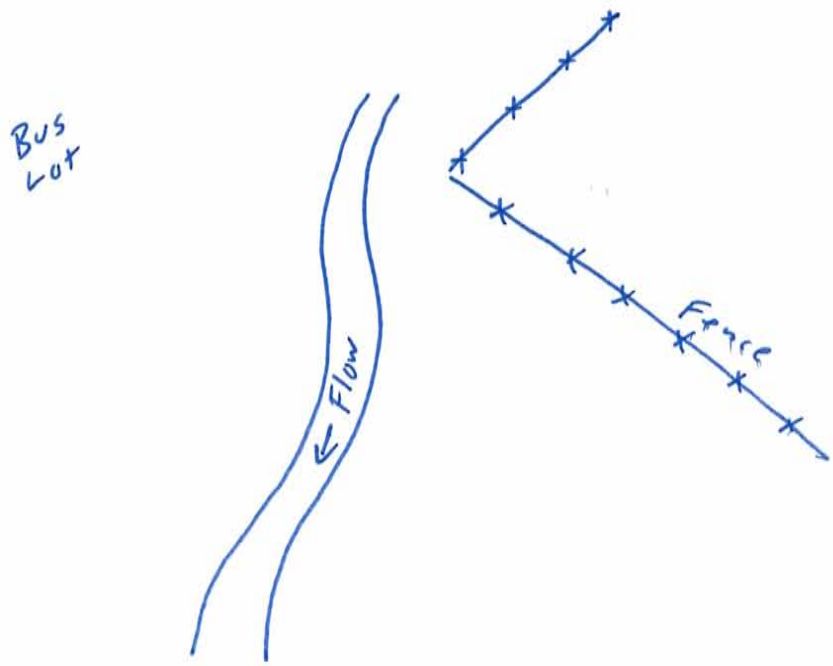
DATE: 3/23/2010

SURFACE WATER SAMPLING LOG

Project Name: Henderson County **Project No./Phase No.:** 0839-650609.800
Sample ID: BR-3 **Sampler(s):** D. Reedy/R. Stringfellow
Sampling Location: at corner of fence by bus depot
Equipment: YSIS 556, Hach 2100P

Time	12:40
pH s.u.	6.34
Cond. uS/cm	403
Turb. ntu	10.0
Dis. O_2 mg/L	9.03
Temp. °C	7.74
ORP mv	47.1

Surface Water Sampling Location Sketch



Comments (sample methodology, weather conditions, color, silt, etc.):
Weather - Mean Temp: 45°F, Variably Cloudy, Average Humidity: 62%, Some Wind

Signature: [signature] **Date:** 3-23-10

QA/QC Sign Off: [signature] **Date:** 5-20-10

Golder Associates

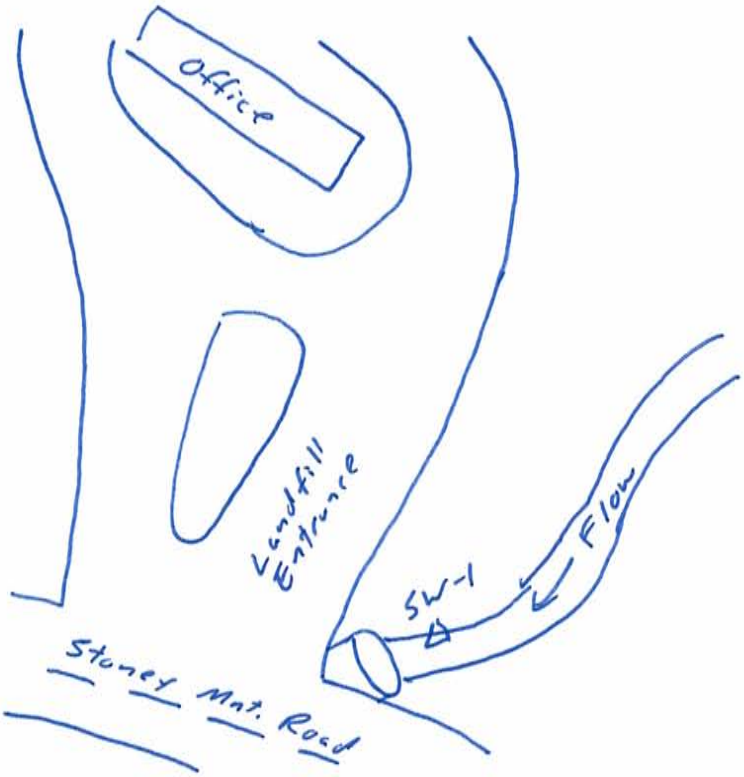
DATE: 3/24/2010

SURFACE WATER SAMPLING LOG

Project Name: *Henderson County* **Project No./Phase No.:** *0839-650609.800*
Sample ID: *SW-1* **Sampler(s):** *D. Reedy/R. Stringfellow*
Sampling Location: *at driveway leading to office and culvert under Stoney Mtn Rd*
Equipment: *YSIS 556, Hach 2100P*

Time	11:07
pH s.u.	6.75
Cond. uS/cm	317
Turb. ntu	23.0
Dis. O_2 mg/L	7.76
Temp. °C	10.47
ORP mv	-29.0

Surface Water Sampling Location Sketch



Comments (sample methodology, weather conditions, color, silt, etc.):
Weather - Mean Temp: 52°F, Average Humidity: 57%, Some Wind, Clear

Signature: [signature] **Date:** 3-24-10

QA/QC Sign Off: [signature] **Date:** 5-20-10

Golder Associates

WELL CONDITION SUMMARY

DATE: 3/22-24/10

Project Name Henderson Co. LF

Project No./Task No. 08396506.800

Personnel D. Reedy / R. Stringfellow

Page 1 of 2

Well ID	Protective Casing	Well Casing	Label	Lock	Pad Condition	Comments/ Observations*
MW-5	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	☑ OK ☐ Damaged	
MW-6	☐ OK ☑ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	☑ OK ☐ Damaged	Broken Hinge
MW-7	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	☑ OK ☐ Damaged	
MW-8	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	☑ OK ☐ Damaged	Surface completion replaced
MW-9	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	☑ OK ☐ Damaged	
MW-10	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	☑ OK ☐ Damaged	
MW-11	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	☑ OK ☐ Damaged	
MW-12	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	☑ OK ☐ Damaged	
MW-13	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	☑ OK ☐ Damaged	
AMW-15	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	☑ OK ☐ Damaged	
AMW-10	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	☑ OK ☐ Damaged	
AMW-25	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	☑ OK ☐ Damaged	

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

Signature: [signature] Date: 3-24-10

QA / QC Signature: [signature] Date: 5-25-10

Golder Associates

WELL CONDITION SUMMARY

DATE: 3/22-24/10

Project Name Henderson Co. LF

Project No./Task No. 0839650609.800

Personnel D.Reedy / R. Stringfellow

Page 2 of 2

Well ID	Protective Casing	Well Casing	Label	Lock	Pad Condition	Comments/ Observations*
AMW-2D	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	☑ OK ☐ Damaged	
MW-1 Old	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☐ OK ☑ Inadequate	☐ Yes ☑ No	☐ OK ☑ Damaged	Non-locking casing, buried pad
MW-1	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☐ OK ☑ Inadequate	☐ Yes ☑ No	☐ OK ☑ Damaged	Non-locking casing, buried pad.
MW-2 Old	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☐ OK ☑ Inadequate	☐ Yes ☑ No	☐ OK ☑ Damaged	Non-locking casing, buried pad. Replace well cap.
MW-2	☑ OK ☐ Damaged	☑ OK ☐ Damaged	☑ OK ☐ Inadequate	☑ Yes ☐ No	☑ OK ☐ Damaged	Well was repaired with new surface completion.
	☐ OK ☐ Damaged	☐ OK ☐ Damaged	☐ OK ☐ Inadequate	☐ Yes ☐ No	☐ OK ☐ Damaged	
	☐ OK ☐ Damaged	☐ OK ☐ Damaged	☐ OK ☐ Inadequate	☐ Yes ☐ No	☐ OK ☐ Damaged	
	☐ OK ☐ Damaged	☐ OK ☐ Damaged	☐ OK ☐ Inadequate	☐ Yes ☐ No	☐ OK ☐ Damaged	
	☐ OK ☐ Damaged	☐ OK ☐ Damaged	☐ OK ☐ Inadequate	☐ Yes ☐ No	☐ OK ☐ Damaged	
	☐ OK ☐ Damaged	☐ OK ☐ Damaged	☐ OK ☐ Inadequate	☐ Yes ☐ No	☐ OK ☐ Damaged	
	☐ OK ☐ Damaged	☐ OK ☐ Damaged	☐ OK ☐ Inadequate	☐ Yes ☐ No	☐ OK ☐ Damaged	
	☐ OK ☐ Damaged	☐ OK ☐ Damaged	☐ OK ☐ Inadequate	☐ Yes ☐ No	☐ OK ☐ Damaged	

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

Signature: [signature] Date: 3-24-10

QA / QC Signature: [signature] Date: 5-25-10

APPENDIX B

MARCH 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, May 4, 2010

Golder Associates, Inc. (GO007)

Attn: Dusty Reedy

The Wingate Building 4900 Koger Blvd., Suite 140

Greensboro, NC 27407

RE: Laboratory Results for
Project Number: 08396506010.100, Project Name/Desc: Henderson Co. LF
ENCO Workorder: C002862

Dear Dusty Reedy,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Thursday, March 25, 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 112.

PROJECT NARRATIVE

Date: 04 May 2010
Client: Golder Associates, Inc. (GO007)
Project: Henderson Co. LF
Lab ID: C002862, C003576

Overview

This report is an amendment to the original report dated 08 April 2010 for this work order. This report was revised to remove extraneous analytes from the report.

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 PCB 1016/1242 in the 8280A MSD sample, Trichloroethene in the 8260B MS and MSD samples, Sulfide in the MS and MSD samples, Cyanide in the MS sample, and Manganese in the 6010C MS and MSD samples were outside of control limits. The QC batches were approved based on acceptable LCS recovery of these analytes.

The relative percent differences between the spike recoveries of PCB 1260 in the 8082A analysis and Cyanide in their respective MS and MSD samples were outside of control limits. The QC batches were approved based on acceptable LCS recovery of these analytes and completeness of the QC data.

Quality Control Remarks

No Comments

Other Comments

The detections of Selenium in samples AMW-1S and BR-2 were confirmed by prep and analysis by secondary prep and analysis.

All samples received under this work order arrived in acceptable conditions. The samples were not checked for residual chlorine, as it is not required. Sample MW-6 was not received, as the source was dry.

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-MW8 (MS/MSD) **Lab ID:** C002862-01 **Sampled:** 03/24/10 08:35 **Received:** 03/25/10 10:50

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 335.4	04/07/10		03/27/10	10:32	3/29/2010 16:03
EPA 6010C	09/20/10		03/25/10	12:44	3/26/2010 11:13
EPA 6020A	09/20/10		03/25/10	13:06	3/30/2010 10:03
EPA 7470A	04/21/10		03/26/10	10:07	3/26/2010 15:59
EPA 8081B	03/31/10	05/08/10	03/29/10	09:01	3/29/2010 18:08
EPA 8082A	03/24/11	03/24/11	03/29/10	09:06	3/29/2010 18:08
EPA 8151A	03/31/10	05/09/10	03/30/10	17:51	4/1/2010 14:51
EPA 8260B	04/07/10		03/27/10	09:51	3/27/2010 13:23
EPA 8270D	03/31/10	05/05/10	03/26/10	09:26	4/7/2010 01:33
SM18 4500-S D	03/31/10		03/29/10	14:02	3/29/2010 14:36

Client ID: 4501-AMW1S **Lab ID:** C002862-02 **Sampled:** 03/23/10 11:50 **Received:** 03/25/10 10:50

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	09/19/10		03/25/10	12:44	3/26/2010 11:26
EPA 6020A	09/19/10		03/25/10	13:06	3/30/2010 10:21
EPA 7470A	04/20/10		03/26/10	10:07	3/26/2010 16:15
EPA 8260B	04/06/10		03/27/10	09:51	3/27/2010 15:21

Client ID: 4501-AMW1D **Lab ID:** C002862-03 **Sampled:** 03/23/10 12:00 **Received:** 03/25/10 10:50

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	09/19/10		03/25/10	12:44	3/26/2010 11:28
EPA 6020A	09/19/10		03/25/10	13:06	3/30/2010 10:25
EPA 7470A	04/20/10		03/26/10	10:07	3/26/2010 16:18
EPA 8260B	04/06/10		03/27/10	09:51	3/27/2010 15:50

Client ID: 4501-AMW2S **Lab ID:** C002862-04 **Sampled:** 03/23/10 12:17 **Received:** 03/25/10 10:50

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	09/19/10		03/25/10	12:44	3/26/2010 11:30
EPA 6020A	09/19/10		03/25/10	13:06	3/30/2010 10:28
EPA 7470A	04/20/10		03/26/10	10:07	3/26/2010 16:21
EPA 8260B	04/06/10		03/27/10	09:51	3/27/2010 16:19

Client ID: 4501-AMW2D **Lab ID:** C002862-05 **Sampled:** 03/23/10 12:25 **Received:** 03/25/10 10:50

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010C	09/19/10		03/25/10	12:44	3/26/2010 11:33
EPA 6020A	09/19/10		03/25/10	13:06	3/30/2010 10:39
EPA 7470A	04/20/10		03/26/10	10:07	3/26/2010 16:30
EPA 8260B	04/06/10		03/27/10	09:51	3/27/2010 16:48

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Client ID: 4501-BR1	Lab ID: C002862-06	Sampled: 03/24/10 10:25	Received: 03/25/10 10:50

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	09/20/10	03/25/10 12:44	3/26/2010 11:35
EPA 6020A	09/20/10	03/25/10 13:06	3/30/2010 10:46
EPA 8260B	04/07/10	03/27/10 09:51	3/27/2010 17:18

Client ID: 4501-BR2	Lab ID: C002862-07	Sampled: 03/24/10 10:53	Received: 03/25/10 10:50

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	09/20/10	03/25/10 12:44	3/26/2010 11:44
EPA 6020A	09/20/10	03/25/10 13:06	3/30/2010 10:50
EPA 8260B	04/07/10	03/26/10 09:19	3/26/2010 20:49

Client ID: 4501-BR3	Lab ID: C002862-08	Sampled: 03/23/10 12:40	Received: 03/25/10 10:50

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	09/19/10	03/25/10 12:44	3/26/2010 11:47
EPA 6020A	09/19/10	03/25/10 13:06	3/30/2010 10:54
EPA 8260B	04/06/10	03/26/10 09:19	3/26/2010 21:18

Client ID: 4501-SW1	Lab ID: C002862-09	Sampled: 03/24/10 00:00	Received: 03/25/10 10:50

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 6010C	09/20/10	03/25/10 12:44	3/26/2010 11:49
EPA 6020A	09/20/10	03/25/10 13:06	3/30/2010 10:57
EPA 8260B	04/07/10	03/26/10 09:19	3/26/2010 21:47

Client ID: 4501-Field Blank	Lab ID: C002862-10	Sampled: 03/24/10 11:25	Received: 03/25/10 10:50

Parameter	Hold Date/Time(s)		Prep Date/Time(s)	Analysis Date/Time(s)
EPA 335.4	04/07/10		03/26/10 12:43	3/29/2010 16:05
EPA 6010C	09/20/10		03/25/10 12:44	3/26/2010 11:52
EPA 6020A	09/20/10		03/25/10 13:06	3/30/2010 11:01
EPA 7470A	04/21/10		03/26/10 10:07	3/26/2010 16:33
EPA 8081B	03/31/10	05/08/10	03/29/10 09:01	3/29/2010 18:22
EPA 8082A	03/24/11	03/24/11	03/29/10 09:06	3/29/2010 18:22
EPA 8151A	03/31/10	05/09/10	03/30/10 17:51	4/1/2010 16:04
EPA 8260B	04/07/10		03/26/10 09:19	3/26/2010 22:17
EPA 8270D	03/31/10	05/05/10	03/26/10 09:26	4/7/2010 03:01
SM18 4500-S D	03/31/10		03/29/10 14:02	3/29/2010 14:36

Client ID: 4501-Trip Blank	Lab ID: C002862-11	Sampled: 03/23/10 11:50	Received: 03/25/10 10:50

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 8260B	04/06/10	03/26/10 09:19	3/26/2010 22:46

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Client ID:	4501-MW5 (Background)	Lab ID:	C003576-01	Sampled:	03/23/10 11:10	Received:	03/24/10 09:30

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 335.4	04/06/10		03/26/10	12:43	3/29/2010 16:15
EPA 6010C	09/19/10		03/24/10	10:34	3/26/2010 10:50
EPA 6020A	09/19/10		03/24/10	13:00	3/25/2010 13:25
EPA 7470A	04/20/10		03/24/10	11:50	3/24/2010 16:19
EPA 8081B	03/30/10	05/04/10	03/25/10	09:10	3/28/2010 15:52
EPA 8082A	03/23/11	03/23/11	03/25/10	09:17	3/28/2010 15:52
EPA 8151A	03/30/10	05/04/10	03/25/10	12:40	3/26/2010 21:11
EPA 8270D	03/30/10	05/04/10	03/25/10	08:00	4/6/2010 23:36
SM18 4500-S D	03/30/10		03/29/10	14:02	3/29/2010 14:36

Client ID:	4501-MW5 (Background)	Lab ID:	C003576-01RE1	Sampled:	03/23/10 11:10	Received:	03/24/10 09:30

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260B	04/06/10		03/26/10	09:19	3/26/2010 18:22

Client ID:	4501-MW7	Lab ID:	C003576-02	Sampled:	03/23/10 11:40	Received:	03/24/10 09:30

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 335.4	04/06/10		03/26/10	12:43	3/29/2010 16:16
EPA 6010C	09/19/10		03/24/10	10:34	3/26/2010 10:52
EPA 6010C	09/19/10		03/25/10	09:12	3/26/2010 10:52
EPA 6020A	09/19/10		03/24/10	13:00	3/25/2010 13:55
EPA 7470A	04/20/10		03/24/10	11:50	3/24/2010 16:27
EPA 8081B	03/30/10	05/04/10	03/25/10	09:10	3/28/2010 16:05
EPA 8082A	03/23/11	03/23/11	03/25/10	09:17	3/28/2010 16:05
EPA 8151A	03/30/10	05/04/10	03/25/10	12:40	3/26/2010 21:35
EPA 8270D	03/30/10	05/04/10	03/25/10	08:00	4/7/2010 00:06
SM18 4500-S D	03/30/10		03/29/10	14:02	3/29/2010 14:36

Client ID:	4501-MW7	Lab ID:	C003576-02RE1	Sampled:	03/23/10 11:40	Received:	03/24/10 09:30

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 8260B	04/06/10		03/26/10	09:19	3/26/2010 18:51

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NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: 4501-MW8 (MS/MSD) **Lab ID:** C002862-01

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Antimony - Total	0.441	J	1	0.220	2.00	6	ug/L	EPA 6020A	
Barium - Total	693		1	1.00	10.0	100	ug/L	EPA 6010C	
cis-1,2-Dichloroethene	0.66	J	1	0.075	1.0	5	ug/L	EPA 8260B	
Cobalt - Total	6.33	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Lead - Total	2.20	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Silver - Total	3.34	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Tetrachloroethene	0.80	J	1	0.099	1.0	1	ug/L	EPA 8260B	
Thallium - Total	0.620	J	1	0.110	1.00	5.5	ug/L	EPA 6020A	
Tin - Total	2.38	J	1	2.10	10.0	100	ug/L	EPA 6010C	
Vanadium - Total	1.76	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	36.7		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4501-AMW1S **Lab ID:** C002862-02

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	79.9	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Beryllium - Total	0.631	J	1	0.100	1.00	1	ug/L	EPA 6010C	
Cobalt - Total	3.47	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Selenium - Total	0.962	J	1	0.830	1.00	10	ug/L	EPA 6020A	
Thallium - Total	0.169	J	1	0.110	1.00	5.5	ug/L	EPA 6020A	
Zinc - Total	15.6		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4501-AMW1D **Lab ID:** C002862-03

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	0.76	J	1	0.050	1.0	5	ug/L	EPA 8260B	
1,2-Dichlorobenzene	0.64	J	1	0.052	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	3.2		1	0.10	1.0	1	ug/L	EPA 8260B	
Barium - Total	23.1	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Benzene	1.1		1	0.050	1.0	1	ug/L	EPA 8260B	
Chlorobenzene	4.6		1	0.069	1.0	3	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	2.0	J	1	0.075	1.0	5	ug/L	EPA 8260B	
Vinyl chloride	0.60	J	1	0.083	1.0	1	ug/L	EPA 8260B	
Zinc - Total	7.21	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4501-AMW2S **Lab ID:** C002862-04

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	0.90	J	1	0.050	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	1.2		1	0.10	1.0	1	ug/L	EPA 8260B	
Barium - Total	9.57	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Benzene	0.75	J	1	0.050	1.0	1	ug/L	EPA 8260B	
Chlorobenzene	0.97	J	1	0.069	1.0	3	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	2.1	J	1	0.075	1.0	5	ug/L	EPA 8260B	
Trichloroethene	0.44	J	1	0.13	1.0	1	ug/L	EPA 8260B	
Vanadium - Total	1.78	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	11.2		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4501-AMW2D **Lab ID:** C002862-05

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	4.16	J	1	1.00	10.0	100	ug/L	EPA 6010C	

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Client ID: 4501-AMW2D **Lab ID: C002862-05**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Beryllium - Total	0.247	J	1	0.100	1.00	1	ug/L	EPA 6010C	
Vanadium - Total	1.42	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	7.25	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4501-BR1 **Lab ID: C002862-06**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	2.3	J	1	1.5	5.0	100	ug/L	EPA 8260B	
Barium - Total	62.7	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Cobalt - Total	3.17	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Zinc - Total	11.4		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4501-BR2 **Lab ID: C002862-07**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,4-Dichlorobenzene	1.4		1	0.10	1.0	1	ug/L	EPA 8260B	
Barium - Total	144		1	1.00	10.0	100	ug/L	EPA 6010C	
Chlorobenzene	0.77	J	1	0.069	1.0	3	ug/L	EPA 8260B	
Cobalt - Total	6.20	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Nickel - Total	3.21	J	1	1.80	10.0	50	ug/L	EPA 6010C	
Selenium - Total	2.75	J	1	2.70	10.0	10	ug/L	EPA 6010C	
Silver - Total	2.89	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Tetrachloroethene	0.62	J	1	0.099	1.0	1	ug/L	EPA 8260B	
Zinc - Total	6.16	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4501-BR3 **Lab ID: C002862-08**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Antimony - Total	0.521	J	1	0.220	2.00	6	ug/L	EPA 6020A	
Barium - Total	83.3	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Beryllium - Total	0.318	J	1	0.100	1.00	1	ug/L	EPA 6010C	
Cobalt - Total	1.39	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Zinc - Total	24.9		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4501-SW1 **Lab ID: C002862-09**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Acetone	2.5	J	1	1.5	5.0	100	ug/L	EPA 8260B	
Barium - Total	58.1	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Cobalt - Total	2.71	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Zinc - Total	9.02	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4501-Field Blank **Lab ID: C002862-10**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	1.54	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Iron - Total	27.6	J	1	22.0	50.0	300	ug/L	EPA 6010C	
Manganese - Total	2.13	J	1	1.10	10.0	50	ug/L	EPA 6010C	

Client ID: 4501-MW5 (Background) **Lab ID: C003576-01**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	28.2	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Copper - Total	1.84	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Vanadium - Total	1.75	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Zinc - Total	9.18	J	1	3.80	10.0	10	ug/L	EPA 6010C	

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Client ID: 4501-MW7				Lab ID: C003576-02					
Analyte	**Results**	**Flag**	**DF**	**MDL**	**MRL**	**NC SWSL**	**Units**	**Method**	**Notes**
Barium - Total	268		1	1.00	10.0	100	ug/L	EPA 6010C	
Beryllium - Total	0.635	J	1	0.100	1.00	1	ug/L	EPA 6010C	
Thallium - Total	0.118	J	1	0.110	1.00	5.5	ug/L	EPA 6020A	
Zinc - Total	8.52	J	1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4501-MW7				Lab ID: C003576-02RE1					
Analyte	**Results**	**Flag**	**DF**	**MDL**	**MRL**	**NC SWSL**	**Units**	**Method**	**Notes**
1,1-Dichloroethane	0.64	J	1	0.050	1.0	5	ug/L	EPA 8260B	
1,2-Dichlorobenzene	0.49	J	1	0.052	1.0	5	ug/L	EPA 8260B	
1,4-Dichlorobenzene	9.8		1	0.10	1.0	1	ug/L	EPA 8260B	
Acetone	55	J	1	1.5	5.0	100	ug/L	EPA 8260B	
Benzene	1.4		1	0.050	1.0	1	ug/L	EPA 8260B	
Chlorobenzene	6.4		1	0.069	1.0	3	ug/L	EPA 8260B	
cis-1,2-Dichloroethene	7.0		1	0.075	1.0	5	ug/L	EPA 8260B	
Vinyl chloride	1.2		1	0.083	1.0	1	ug/L	EPA 8260B	

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ANALYTICAL RESULTS

Description: 4501-MW8 (MS/MSD)
Matrix: Ground Water
Project: Henderson Co. LF

Lab Sample ID: C002862-01
Sampled: 03/24/10 08:35
Sampled By: Dusty Reedy

Received: 03/25/10 10:50
Work Order: C002862

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	03/27/10 13:23	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/27/10 13:23	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	03/27/10 13:23	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	03/27/10 13:23	JKG	
1,1-Dichloroethane [75-34-3] ^	0.050	U	ug/L	1	0.050	1.0	5	EPA 8260B	03/27/10 13:23	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	03/27/10 13:23	JKG	
1,1-Dichloropropene [563-58-6] ^	0.063	U	ug/L	1	0.063	1.0	5	EPA 8260B	03/27/10 13:23	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/27/10 13:23	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.097	U	ug/L	1	0.097	1.0	10	EPA 8260B	03/27/10 13:23	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	03/27/10 13:23	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	03/27/10 13:23	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	03/27/10 13:23	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	03/27/10 13:23	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	03/27/10 13:23	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.092	U	ug/L	1	0.092	1.0	5	EPA 8260B	03/27/10 13:23	JKG	
1,3-Dichloropropane [142-28-9] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/27/10 13:23	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	03/27/10 13:23	JKG	
2,2-Dichloropropane [594-20-7] ^	0.12	U	ug/L	1	0.12	1.0	15	EPA 8260B	03/27/10 13:23	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	03/27/10 13:23	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	03/27/10 13:23	JKG	
3-Chloropropene [107-05-1] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	03/27/10 13:23	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	03/27/10 13:23	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	03/27/10 13:23	JKG	
Acetonitrile [75-05-8] ^	2.8	U	ug/L	1	2.8	10	55	EPA 8260B	03/27/10 13:23	JKG	
Acrolein [107-02-8] ^	3.0	U	ug/L	1	3.0	10	53	EPA 8260B	03/27/10 13:23	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	03/27/10 13:23	JKG	
Benzene [71-43-2] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	03/27/10 13:23	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	03/27/10 13:23	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	03/27/10 13:23	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	03/27/10 13:23	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	03/27/10 13:23	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	03/27/10 13:23	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	03/27/10 13:23	JKG	
Chlorobenzene [108-90-7] ^	0.069	U	ug/L	1	0.069	1.0	3	EPA 8260B	03/27/10 13:23	JKG	
Chloroethane [75-00-3] ^	0.18	U	ug/L	1	0.18	1.0	10	EPA 8260B	03/27/10 13:23	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	03/27/10 13:23	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	03/27/10 13:23	JKG	
Chloroprene [126-99-8] ^	0.24	U	ug/L	1	0.24	1.0	20	EPA 8260B	03/27/10 13:23	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	**0.66**	J	ug/L	1	0.075	1.0	5	EPA 8260B	03/27/10 13:23	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	03/27/10 13:23	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	03/27/10 13:23	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	03/27/10 13:23	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	03/27/10 13:23	JKG	

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Description:	4501-MW8 (MS/MSD)	**Lab Sample ID:**	C002862-01	**Received:**	03/25/10 10:50
Matrix:	Ground Water	**Sampled:**	03/24/10 08:35	**Work Order:**	C002862
Project:	Henderson Co. LF	**Sampled By:**	Dusty Reedy		

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Ethyl Methacrylate [97-63-2] ^	0.32	U	ug/L	1	0.32	1.0	10	EPA 8260B	03/27/10 13:23	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	03/27/10 13:23	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	03/27/10 13:23	JKG	
Isobutyl alcohol [78-83-1] ^	14	U	ug/L	1	14	50	100	EPA 8260B	03/27/10 13:23	JKG	
Methacrylonitrile [126-98-7] ^	2.8	U	ug/L	1	2.8	10	100	EPA 8260B	03/27/10 13:23	JKG	
Methyl Methacrylate [80-62-6] ^	0.53	U	ug/L	1	0.53	1.0	30	EPA 8260B	03/27/10 13:23	JKG	
Methylene chloride [75-09-2] ^	0.070	U	ug/L	1	0.070	1.0	1	EPA 8260B	03/27/10 13:23	JKG	
Naphthalene [91-20-3] ^	0.086	U	ug/L	1	0.086	1.0	10	EPA 8260B	03/27/10 13:23	JKG	
Propionitrile [107-12-0] ^	4.8	U	ug/L	1	4.8	10	150	EPA 8260B	03/27/10 13:23	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	03/27/10 13:23	JKG	
Tetrachloroethene [127-18-4] ^	**0.80**	J	ug/L	1	0.099	1.0	1	EPA 8260B	03/27/10 13:23	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	03/27/10 13:23	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	03/27/10 13:23	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	03/27/10 13:23	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	03/27/10 13:23	JKG	
Trichloroethene [79-01-6] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	03/27/10 13:23	JKG	
Trichlorofluoromethane [75-69-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/27/10 13:23	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	03/27/10 13:23	JKG	
Vinyl chloride [75-01-4] ^	0.083	U	ug/L	1	0.083	1.0	1	EPA 8260B	03/27/10 13:23	JKG	
Xylenes (Total) [1330-20-7] ^	0.22	U	ug/L	1	0.22	1.0	5	EPA 8260B	03/27/10 13:23	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*35*	*1*	*50.0*	*69 %*	*51-122*	*0C27002*	*EPA 8260B*	*03/27/10 13:23*	*JKG*	
Dibromofluoromethane	*39*	*1*	*50.0*	*79 %*	*68-117*	*0C27002*	*EPA 8260B*	*03/27/10 13:23*	*JKG*	
Toluene-d8	*42*	*1*	*50.0*	*83 %*	*69-110*	*0C27002*	*EPA 8260B*	*03/27/10 13:23*	*JKG*	

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Description: 4501-MW8 (MS/MSD)
Matrix: Ground Water
Project: Henderson Co. LF

Lab Sample ID: C002862-01
Sampled: 03/24/10 08:35
Sampled By: Dusty Reedy

Received: 03/25/10 10:50
Work Order: C002862

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,2,4,5-Tetrachlorobenzene [95-94-3]	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	04/07/10 01:33	DFM	
1,3,5-Trinitrobenzene [99-35-4]	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	04/07/10 01:33	DFM	
1,3-Dinitrobenzene [99-65-0]	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	04/07/10 01:33	DFM	
1,4-Naphthoquinone [130-15-4]	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	04/07/10 01:33	DFM	
1,4-Phenylenediamine [106-50-3]	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	04/07/10 01:33	DFM	
1-Naphthylamine [134-32-7]	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	04/07/10 01:33	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	04/07/10 01:33	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	04/07/10 01:33	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	04/07/10 01:33	DFM	
2,4-Dichlorophenol [120-83-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	04/07/10 01:33	DFM	
2,4-Dimethylphenol [105-67-9] ^	2.6	U	ug/L	1	2.6	10	10	EPA 8270D	04/07/10 01:33	DFM	
2,4-Dinitrophenol [51-28-5] ^	2.6	U	ug/L	1	2.6	10	50	EPA 8270D	04/07/10 01:33	DFM	
2,4-Dinitrotoluene [121-14-2] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	04/07/10 01:33	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	04/07/10 01:33	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	04/07/10 01:33	DFM	
2-Acetylaminofluorene [53-96-3]	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	04/07/10 01:33	DFM	
2-Chloronaphthalene [91-58-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	04/07/10 01:33	DFM	
2-Chlorophenol [95-57-8] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	04/07/10 01:33	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	1.9	U	ug/L	1	1.9	10	50	EPA 8270D	04/07/10 01:33	DFM	
2-Methylnaphthalene [91-57-6] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	04/07/10 01:33	DFM	
2-Methylphenol [95-48-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	04/07/10 01:33	DFM	
2-Naphthylamine [91-59-8]	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	04/07/10 01:33	DFM	
2-Nitroaniline [88-74-4] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270D	04/07/10 01:33	DFM	
2-Nitrophenol [88-75-5] ^	2.3	U	ug/L	1	2.3	10	10	EPA 8270D	04/07/10 01:33	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270D	04/07/10 01:33	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	1.7	U	ug/L	1	1.7	10	20	EPA 8270D	04/07/10 01:33	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	04/07/10 01:33	DFM	
3-Methylcholanthrene [56-49-5]	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	04/07/10 01:33	DFM	
3-Nitroaniline [99-09-2] ^	1.6	U	ug/L	1	1.6	10	50	EPA 8270D	04/07/10 01:33	DFM	
4-Aminobiphenyl [92-67-1]	3.1	U	ug/L	1	3.1	10	20	EPA 8270D	04/07/10 01:33	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	04/07/10 01:33	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.6	U	ug/L	1	1.6	10	20	EPA 8270D	04/07/10 01:33	DFM	
4-Chloroaniline [106-47-8] ^	1.6	U	ug/L	1	1.6	10	20	EPA 8270D	04/07/10 01:33	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	04/07/10 01:33	DFM	
4-Nitroaniline [100-01-6] ^	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	04/07/10 01:33	DFM	
4-Nitrophenol [100-02-7] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270D	04/07/10 01:33	DFM	
5-Nitro-o-toluidine [99-55-8]	0.60	U	ug/L	1	0.60	10	10	EPA 8270D	04/07/10 01:33	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6]	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	04/07/10 01:33	DFM	
Acenaphthene [83-32-9] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	04/07/10 01:33	DFM	
Acenaphthylene [208-96-8] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	04/07/10 01:33	DFM	
Acetophenone [98-86-2]	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	04/07/10 01:33	DFM	
Anthracene [120-12-7] ^	0.64	U	ug/L	1	0.64	10	10	EPA 8270D	04/07/10 01:33	DFM	
Benzo(a)anthracene [56-55-3] ^	0.76	U	ug/L	1	0.76	10	10	EPA 8270D	04/07/10 01:33	DFM	
Benzo(a)pyrene [50-32-8] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	04/07/10 01:33	DFM	
Benzo(b)fluoranthene [205-99-2] ^	0.78	U	ug/L	1	0.78	10	10	EPA 8270D	04/07/10 01:33	DFM	
Benzo(g,h,i)perylene [191-24-2] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	04/07/10 01:33	DFM	

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Description: 4501-MW8 (MS/MSD)
Matrix: Ground Water
Project: Henderson Co. LF

Lab Sample ID: C002862-01
Sampled: 03/24/10 08:35
Sampled By: Dusty Reedy

Received: 03/25/10 10:50
Work Order: C002862

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Benzo(k)fluoranthene [207-08-9] ^	0.77	U	ug/L	1	0.77	10	10	EPA 8270D	04/07/10 01:33	DFM	
Benzyl alcohol [100-51-6] ^	2.0	U	ug/L	1	2.0	10	20	EPA 8270D	04/07/10 01:33	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	04/07/10 01:33	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	04/07/10 01:33	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270D	04/07/10 01:33	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	2.6	U	ug/L	1	2.6	5.0	15	EPA 8270D	04/07/10 01:33	DFM	
Butylbenzylphthalate [85-68-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	04/07/10 01:33	DFM	
Chlorobenzilate [510-15-6]	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	04/07/10 01:33	DFM	
Chrysene [218-01-9] ^	0.92	U	ug/L	1	0.92	10	10	EPA 8270D	04/07/10 01:33	DFM	
Diallate [2303-16-4]	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	04/07/10 01:33	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270D	04/07/10 01:33	DFM	
Dibenzofuran [132-64-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	04/07/10 01:33	DFM	
Diethylphthalate [84-66-2] ^	0.61	U	ug/L	1	0.61	10	10	EPA 8270D	04/07/10 01:33	DFM	
Dimethoate [60-51-5]	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	04/07/10 01:33	DFM	
Dimethylphthalate [131-11-3] ^	0.79	U	ug/L	1	0.79	10	10	EPA 8270D	04/07/10 01:33	DFM	
Di-n-butylphthalate [84-74-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	04/07/10 01:33	DFM	
Di-n-octylphthalate [117-84-0] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	04/07/10 01:33	DFM	
Disulfoton [298-04-4]	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	04/07/10 01:33	DFM	
Ethyl methanesulfonate [62-50-0] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270D	04/07/10 01:33	DFM	
Famphur [52-85-7] ^	1.8	U	ug/L	1	1.8	10	20	EPA 8270D	04/07/10 01:33	DFM	
Fluoranthene [206-44-0] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	04/07/10 01:33	DFM	
Fluorene [86-73-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	04/07/10 01:33	DFM	
Hexachlorobenzene [118-74-1] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	04/07/10 01:33	DFM	
Hexachlorobutadiene [87-68-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	04/07/10 01:33	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	04/07/10 01:33	DFM	
Hexachloroethane [67-72-1] ^	0.97	U	ug/L	1	0.97	10	10	EPA 8270D	04/07/10 01:33	DFM	
Hexachloropropene [1888-71-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	04/07/10 01:33	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	04/07/10 01:33	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	04/07/10 01:33	DFM	
Isophorone [78-59-1] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	04/07/10 01:33	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	04/07/10 01:33	DFM	
Kepone [143-50-0]	1.5	U	ug/L	1	1.5	20	20	EPA 8270D	04/07/10 01:33	DFM	
Methapyrilene [91-80-5] ^	3.8	U	ug/L	1	3.8	10	100	EPA 8270D	04/07/10 01:33	DFM	
Methyl Methanesulfonate [66-27-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	04/07/10 01:33	DFM	
Methyl parathion [298-00-0] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	04/07/10 01:33	DFM	
Nitrobenzene [98-95-3] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	04/07/10 01:33	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.9	U	ug/L	1	1.9	10	20	EPA 8270D	04/07/10 01:33	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	04/07/10 01:33	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	04/07/10 01:33	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270D	04/07/10 01:33	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	04/07/10 01:33	DFM	
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	04/07/10 01:33	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270D	04/07/10 01:33	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	04/07/10 01:33	DFM	
O,O,O-Triethyl phosphorothioate [126-68-1] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	04/07/10 01:33	DFM	

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Description:	4501-MW8 (MS/MSD)	**Lab Sample ID:**	C002862-01	**Received:**	03/25/10 10:50
Matrix:	Ground Water	**Sampled:**	03/24/10 08:35	**Work Order:**	C002862
Project:	Henderson Co. LF	**Sampled By:**	Dusty Reedy		

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
o-Toluidine [95-53-4] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	04/07/10 01:33	DFM	
Parathion [56-38-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	04/07/10 01:33	DFM	
p-Dimethylaminoazobenzene [60-11-7]	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	04/07/10 01:33	DFM	
Pentachlorobenzene [608-93-5] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	04/07/10 01:33	DFM	
Pentachloronitrobenzene [82-68-8] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270D	04/07/10 01:33	DFM	
Phenacetin [62-44-2] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	04/07/10 01:33	DFM	
Phenanthrene [85-01-8] ^	0.74	U	ug/L	1	0.74	10	10	EPA 8270D	04/07/10 01:33	DFM	
Phenol [108-95-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	04/07/10 01:33	DFM	
Phorate [298-02-2] ^	4.1	U	ug/L	1	4.1	10	10	EPA 8270D	04/07/10 01:33	DFM	
Pronamide [23950-58-5] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	04/07/10 01:33	DFM	
Pyrene [129-00-0] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	04/07/10 01:33	DFM	
Safrole [94-59-7] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	04/07/10 01:33	DFM	
Thionazin [297-97-2] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	04/07/10 01:33	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*98*	*1*	*100*	*98 %*	*10-179*	*0C26008*	*EPA 8270D*	*04/07/10 01:33*	*DFM*	
2-Fluorobiphenyl	*47*	*1*	*50.0*	*95 %*	*10-149*	*0C26008*	*EPA 8270D*	*04/07/10 01:33*	*DFM*	
2-Fluorophenol	*61*	*1*	*100*	*61 %*	*10-110*	*0C26008*	*EPA 8270D*	*04/07/10 01:33*	*DFM*	
Nitrobenzene-d5	*43*	*1*	*50.0*	*85 %*	*10-149*	*0C26008*	*EPA 8270D*	*04/07/10 01:33*	*DFM*	
Phenol-d5	*54*	*1*	*100*	*54 %*	*10-88*	*0C26008*	*EPA 8270D*	*04/07/10 01:33*	*DFM*	
Terphenyl-d14	*49*	*1*	*50.0*	*98 %*	*10-188*	*0C26008*	*EPA 8270D*	*04/07/10 01:33*	*DFM*	

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Description:	4501-MW8 (MS/MSD)	**Lab Sample ID:**	C002862-01	**Received:**	03/25/10 10:50
Matrix:	Ground Water	**Sampled:**	03/24/10 08:35	**Work Order:**	C002862
Project:	Henderson Co. LF	**Sampled By:**	Dusty Reedy		

Organochlorine Pesticides by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
4,4'-DDD [72-54-8] ^	0.013	U	ug/L	1	0.013	0.050	0.1	EPA 8081B	03/29/10 18:08	JHH	
4,4'-DDE [72-55-9] ^	0.012	U	ug/L	1	0.012	0.050	0.1	EPA 8081B	03/29/10 18:08	JHH	
4,4'-DDT [50-29-3] ^	0.015	U	ug/L	1	0.015	0.050	0.1	EPA 8081B	03/29/10 18:08	JHH	
Aldrin [309-00-2] ^	0.012	U	ug/L	1	0.012	0.050	0.05	EPA 8081B	03/29/10 18:08	JHH	
alpha-BHC [319-84-6] ^	0.015	U	ug/L	1	0.015	0.050	0.05	EPA 8081B	03/29/10 18:08	JHH	
beta-BHC [319-85-7] ^	0.012	U	ug/L	1	0.012	0.050	0.05	EPA 8081B	03/29/10 18:08	JHH	
Chlordane (tech) [12789-03-6] ^	0.20	U	ug/L	1	0.20	0.50	0.5	EPA 8081B	03/29/10 18:08	JHH	
Chlordane-alpha [5103-71-9] ^	0.014	U	ug/L	1	0.014	0.050	NE	EPA 8081B	03/29/10 18:08	JHH	
Chlordane-gamma [5566-34-7] ^	0.012	U	ug/L	1	0.012	0.050	NE	EPA 8081B	03/29/10 18:08	JHH	
delta-BHC [319-86-8] ^	0.014	U	ug/L	1	0.014	0.050	0.05	EPA 8081B	03/29/10 18:08	JHH	
Dieldrin [60-57-1] ^	0.0089	U	ug/L	1	0.0089	0.050	0.075	EPA 8081B	03/29/10 18:08	JHH	
Endosulfan I [959-98-8] ^	0.016	U	ug/L	1	0.016	0.050	0.1	EPA 8081B	03/29/10 18:08	JHH	
Endosulfan II [33213-65-9] ^	0.012	U	ug/L	1	0.012	0.050	0.1	EPA 8081B	03/29/10 18:08	JHH	
Endosulfan sulfate [1031-07-8] ^	0.012	U	ug/L	1	0.012	0.050	0.1	EPA 8081B	03/29/10 18:08	JHH	
Endrin [72-20-8] ^	0.013	U	ug/L	1	0.013	0.050	0.1	EPA 8081B	03/29/10 18:08	JHH	
Endrin aldehyde [7421-93-4] ^	0.012	U	ug/L	1	0.012	0.050	0.1	EPA 8081B	03/29/10 18:08	JHH	
gamma-BHC [58-89-9] ^	0.016	U	ug/L	1	0.016	0.050	0.05	EPA 8081B	03/29/10 18:08	JHH	
Heptachlor [76-44-8] ^	0.012	U	ug/L	1	0.012	0.050	0.05	EPA 8081B	03/29/10 18:08	JHH	
Heptachlor epoxide [1024-57-3] ^	0.0089	U	ug/L	1	0.0089	0.050	0.075	EPA 8081B	03/29/10 18:08	JHH	
Methoxychlor [72-43-5] ^	0.016	U	ug/L	1	0.016	0.050	1	EPA 8081B	03/29/10 18:08	JHH	
Toxaphene [8001-35-2] ^	0.22	U	ug/L	1	0.22	0.50	1.5	EPA 8081B	03/29/10 18:08	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.58*	*1*	*1.00*	*58 %*	*44-134*	*0C29010*	*EPA 8081B*	*03/29/10 18:08*	*JHH*	
Decachlorobiphenyl	*0.53*	*1*	*1.00*	*53 %*	*37-149*	*0C29010*	*EPA 8081B*	*03/29/10 18:08*	*JHH*	

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Description:	4501-MW8 (MS/MSD)	**Lab Sample ID:**	C002862-01	**Received:**	03/25/10 10:50
Matrix:	Ground Water	**Sampled:**	03/24/10 08:35	**Work Order:**	C002862
Project:	Henderson Co. LF	**Sampled By:**	Dusty Reedy		

Polychlorinated Biphenyls by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
PCB-1016/1242 [12674-11-2/53469-21-9] ^	0.19	U	ug/L	1	0.19	0.50	2	EPA 8082A	03/29/10 18:08	JHH	
PCB-1221 [11104-28-2] ^	0.046	U	ug/L	1	0.046	0.50	NE	EPA 8082A	03/29/10 18:08	JHH	
PCB-1232 [11141-16-5] ^	0.028	U	ug/L	1	0.028	0.50	NE	EPA 8082A	03/29/10 18:08	JHH	
PCB-1248 [12672-29-6] ^	0.014	U	ug/L	1	0.014	0.50	NE	EPA 8082A	03/29/10 18:08	JHH	
PCB-1254 [11097-69-1] ^	0.015	U	ug/L	1	0.015	0.50	NE	EPA 8082A	03/29/10 18:08	JHH	
PCB-1260 [11096-82-5] ^	0.13	U	ug/L	1	0.13	0.50	NE	EPA 8082A	03/29/10 18:08	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*1.1*	*1*	*1.00*	*110 %*	*45-151*	*0C29011*	*EPA 8082A*	*03/29/10 18:08*	*JHH*	
Decachlorobiphenyl	*1.0*	*1*	*1.00*	*100 %*	*42-159*	*0C29011*	*EPA 8082A*	*03/29/10 18:08*	*JHH*	

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Description:	4501-MW8 (MS/MSD)	**Lab Sample ID:**	C002862-01	**Received:**	03/25/10 10:50
Matrix:	Ground Water	**Sampled:**	03/24/10 08:35	**Work Order:**	C002862
Project:	Henderson Co. LF	**Sampled By:**	Dusty Reedy		

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] ^	0.0540	U	ug/L	1	0.0540	0.200	0.2	EPA 7470A	03/26/10 15:59	NLH	

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Description: 4501-MW8 (MS/MSD)
Matrix: Ground Water
Project: Henderson Co. LF

Lab Sample ID: C002862-01
Sampled: 03/24/10 08:35
Sampled By: Dusty Reedy

Received: 03/25/10 10:50
Work Order: C002862

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] ^	**0.441**	J	ug/L	1	0.220	2.00	6	EPA 6020A	03/30/10 10:03	JDH	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	03/26/10 11:13	JDH	
Barium [7440-39-3] ^	**693**		ug/L	1	1.00	10.0	100	EPA 6010C	03/26/10 11:13	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	03/26/10 11:13	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	03/26/10 11:13	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	03/26/10 11:13	JDH	
Cobalt [7440-48-4] ^	**6.33**	J	ug/L	1	1.10	10.0	10	EPA 6010C	03/26/10 11:13	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	03/26/10 11:13	JDH	
Lead [7439-92-1] ^	**2.20**	J	ug/L	1	1.90	10.0	10	EPA 6010C	03/26/10 11:13	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	03/26/10 11:13	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	03/30/10 10:03	JDH	
Silver [7440-22-4] ^	**3.34**	J	ug/L	1	1.90	10.0	10	EPA 6010C	03/26/10 11:13	JDH	
Thallium [7440-28-0] ^	**0.620**	J	ug/L	1	0.110	1.00	5.5	EPA 6020A	03/30/10 10:03	JDH	
Tin [7440-31-5] ^	**2.38**	J	ug/L	1	2.10	10.0	100	EPA 6010C	03/26/10 11:13	JDH	
Vanadium [7440-62-2] ^	**1.76**	J	ug/L	1	1.40	10.0	25	EPA 6010C	03/26/10 11:13	JDH	
Zinc [7440-66-6] ^	**36.7**		ug/L	1	3.80	10.0	10	EPA 6010C	03/26/10 11:13	JDH	

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Description:	4501-MW8 (MS/MSD)	**Lab Sample ID:**	C002862-01	**Received:**	03/25/10 10:50
Matrix:	Ground Water	**Sampled:**	03/24/10 08:35	**Work Order:**	C002862
Project:	Henderson Co. LF	**Sampled By:**	Dusty Reedy		

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Cyanide (total) [57-12-5] ^	0.005	U	mg/L	1	0.005	0.005	10	EPA 335.4	03/29/10 16:03	AJB	
Sulfide [18496-25-8] ^	0.031	U	mg/L	1	0.031	0.10	1000	SM18 4500-S D	03/29/10 14:36	JOC	

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Description:	4501-MW8 (MS/MSD)	**Lab Sample ID:**	C002862-01	**Received:**	03/25/10 10:50
Matrix:	Ground Water	**Sampled:**	03/24/10 08:35	**Work Order:**	C002862
Project:	Henderson Co. LF	**Sampled By:**	Dusty Reedy		

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
2,4,5-T [93-76-5] ^	0.053	U	ug/L	1	0.053	0.50	2	EPA 8151A	04/01/10 14:51	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.056	U	ug/L	1	0.056	0.50	2	EPA 8151A	04/01/10 14:51	RGG	
2,4-D [94-75-7] ^	0.091	U	ug/L	1	0.091	0.50	2	EPA 8151A	04/01/10 14:51	RGG	
Dinoseb [88-85-7] ^	0.28	U	ug/L	1	0.28	0.50	1	EPA 8151A	04/01/10 14:51	RGG	
Pentachlorophenol [87-86-5] ^	0.043	U	ug/L	1	0.043	0.50	25	EPA 8151A	04/01/10 14:51	RGG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*2.6*	*1*	*2.00*	*132 %*	*68-139*	*0C30034*	*EPA 8151A*	*04/01/10 14:51*	*RGG*	

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

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

Lab Sample ID: C002862-02
Sampled: 03/23/10 11:50
Sampled By: Dusty Reedy

Received: 03/25/10 10:50
Work Order: C002862

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	03/27/10 15:21	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/27/10 15:21	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	03/27/10 15:21	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	03/27/10 15:21	JKG	
1,1-Dichloroethane [75-34-3] ^	0.050	U	ug/L	1	0.050	1.0	5	EPA 8260B	03/27/10 15:21	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	03/27/10 15:21	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/27/10 15:21	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	03/27/10 15:21	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	03/27/10 15:21	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	03/27/10 15:21	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	03/27/10 15:21	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	03/27/10 15:21	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	03/27/10 15:21	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	03/27/10 15:21	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	03/27/10 15:21	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	03/27/10 15:21	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	03/27/10 15:21	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	03/27/10 15:21	JKG	
Benzene [71-43-2] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	03/27/10 15:21	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	03/27/10 15:21	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	03/27/10 15:21	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	03/27/10 15:21	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	03/27/10 15:21	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	03/27/10 15:21	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	03/27/10 15:21	JKG	
Chlorobenzene [108-90-7] ^	0.069	U	ug/L	1	0.069	1.0	3	EPA 8260B	03/27/10 15:21	JKG	
Chloroethane [75-00-3] ^	0.18	U	ug/L	1	0.18	1.0	10	EPA 8260B	03/27/10 15:21	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	03/27/10 15:21	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	03/27/10 15:21	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.075	U	ug/L	1	0.075	1.0	5	EPA 8260B	03/27/10 15:21	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	03/27/10 15:21	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	03/27/10 15:21	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	03/27/10 15:21	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	03/27/10 15:21	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	03/27/10 15:21	JKG	
Methylene chloride [75-09-2] ^	0.070	U	ug/L	1	0.070	1.0	1	EPA 8260B	03/27/10 15:21	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	03/27/10 15:21	JKG	
Tetrachloroethene [127-18-4] ^	0.099	U	ug/L	1	0.099	1.0	1	EPA 8260B	03/27/10 15:21	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	03/27/10 15:21	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	03/27/10 15:21	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	03/27/10 15:21	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	03/27/10 15:21	JKG	
Trichloroethene [79-01-6] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	03/27/10 15:21	JKG	
Trichlorofluoromethane [75-69-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/27/10 15:21	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	03/27/10 15:21	JKG	
Vinyl chloride [75-01-4] ^	0.083	U	ug/L	1	0.083	1.0	1	EPA 8260B	03/27/10 15:21	JKG	

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Description:	4501-AMW1S	**Lab Sample ID:**	C002862-02	**Received:**	03/25/10 10:50
Matrix:	Ground Water	**Sampled:**	03/23/10 11:50	**Work Order:**	C002862
Project:	Henderson Co. LF	**Sampled By:**	Dusty Reedy		

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] ^	0.22	U	ug/L	1	0.22	1.0	5	EPA 8260B	03/27/10 15:21	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*34*	*1*	*50.0*	*68 %*	*51-122*	*0C27002*	*EPA 8260B*	*03/27/10 15:21*	*JKG*	
Dibromofluoromethane	*40*	*1*	*50.0*	*80 %*	*68-117*	*0C27002*	*EPA 8260B*	*03/27/10 15:21*	*JKG*	
Toluene-d8	*41*	*1*	*50.0*	*83 %*	*69-110*	*0C27002*	*EPA 8260B*	*03/27/10 15:21*	*JKG*	

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Description:	4501-AMW1S	**Lab Sample ID:**	C002862-02	**Received:**	03/25/10 10:50
Matrix:	Ground Water	**Sampled:**	03/23/10 11:50	**Work Order:**	C002862
Project:	Henderson Co. LF	**Sampled By:**	Dusty Reedy		

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] ^	0.0540	U	ug/L	1	0.0540	0.200	0.2	EPA 7470A	03/26/10 16:15	NLH	

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

Lab Sample ID: C002862-02
Sampled: 03/23/10 11:50
Sampled By: Dusty Reedy

Received: 03/25/10 10:50
Work Order: C002862

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	03/30/10 10:21	JDH	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	03/26/10 11:26	JDH	
Barium [7440-39-3] ^	**79.9**	J	ug/L	1	1.00	10.0	100	EPA 6010C	03/26/10 11:26	JDH	
Beryllium [7440-41-7] ^	**0.631**	J	ug/L	1	0.100	1.00	1	EPA 6010C	03/26/10 11:26	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	03/26/10 11:26	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	03/26/10 11:26	JDH	
Cobalt [7440-48-4] ^	**3.47**	J	ug/L	1	1.10	10.0	10	EPA 6010C	03/26/10 11:26	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	03/26/10 11:26	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	03/26/10 11:26	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	03/26/10 11:26	JDH	
Selenium [7782-49-2] ^	**0.962**	J	ug/L	1	0.830	1.00	10	EPA 6020A	03/30/10 10:21	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	03/26/10 11:26	JDH	
Thallium [7440-28-0] ^	**0.169**	J	ug/L	1	0.110	1.00	5.5	EPA 6020A	03/30/10 10:21	JDH	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	03/26/10 11:26	JDH	
Zinc [7440-66-6] ^	**15.6**		ug/L	1	3.80	10.0	10	EPA 6010C	03/26/10 11:26	JDH	

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

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

Lab Sample ID: C002862-03
Sampled: 03/23/10 12:00
Sampled By: Dusty Reedy

Received: 03/25/10 10:50
Work Order: C002862

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	03/27/10 15:50	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/27/10 15:50	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	03/27/10 15:50	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	03/27/10 15:50	JKG	
1,1-Dichloroethane [75-34-3] ^	**0.76**	J	ug/L	1	0.050	1.0	5	EPA 8260B	03/27/10 15:50	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	03/27/10 15:50	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/27/10 15:50	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	03/27/10 15:50	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	03/27/10 15:50	JKG	
1,2-Dichlorobenzene [95-50-1] ^	**0.64**	J	ug/L	1	0.052	1.0	5	EPA 8260B	03/27/10 15:50	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	03/27/10 15:50	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	03/27/10 15:50	JKG	
1,4-Dichlorobenzene [106-46-7] ^	**3.2**		ug/L	1	0.10	1.0	1	EPA 8260B	03/27/10 15:50	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	03/27/10 15:50	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	03/27/10 15:50	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	03/27/10 15:50	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	03/27/10 15:50	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	03/27/10 15:50	JKG	
Benzene [71-43-2] ^	**1.1**		ug/L	1	0.050	1.0	1	EPA 8260B	03/27/10 15:50	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	03/27/10 15:50	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	03/27/10 15:50	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	03/27/10 15:50	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	03/27/10 15:50	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	03/27/10 15:50	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	03/27/10 15:50	JKG	
Chlorobenzene [108-90-7] ^	**4.6**		ug/L	1	0.069	1.0	3	EPA 8260B	03/27/10 15:50	JKG	
Chloroethane [75-00-3] ^	0.18	U	ug/L	1	0.18	1.0	10	EPA 8260B	03/27/10 15:50	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	03/27/10 15:50	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	03/27/10 15:50	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	**2.0**	J	ug/L	1	0.075	1.0	5	EPA 8260B	03/27/10 15:50	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	03/27/10 15:50	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	03/27/10 15:50	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	03/27/10 15:50	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	03/27/10 15:50	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	03/27/10 15:50	JKG	
Methylene chloride [75-09-2] ^	0.070	U	ug/L	1	0.070	1.0	1	EPA 8260B	03/27/10 15:50	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	03/27/10 15:50	JKG	
Tetrachloroethene [127-18-4] ^	0.099	U	ug/L	1	0.099	1.0	1	EPA 8260B	03/27/10 15:50	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	03/27/10 15:50	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	03/27/10 15:50	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	03/27/10 15:50	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	03/27/10 15:50	JKG	
Trichloroethene [79-01-6] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	03/27/10 15:50	JKG	
Trichlorofluoromethane [75-69-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/27/10 15:50	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	03/27/10 15:50	JKG	
Vinyl chloride [75-01-4] ^	**0.60**	J	ug/L	1	0.083	1.0	1	EPA 8260B	03/27/10 15:50	JKG	

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Description:	4501-AMW1D	**Lab Sample ID:**	C002862-03	**Received:**	03/25/10 10:50
Matrix:	Ground Water	**Sampled:**	03/23/10 12:00	**Work Order:**	C002862
Project:	Henderson Co. LF	**Sampled By:**	Dusty Reedy		

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] ^	0.22	U	ug/L	1	0.22	1.0	5	EPA 8260B	03/27/10 15:50	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*35*	*1*	*50.0*	*70 %*	*51-122*	*0C27002*	*EPA 8260B*	*03/27/10 15:50*	*JKG*	
Dibromofluoromethane	*37*	*1*	*50.0*	*74 %*	*68-117*	*0C27002*	*EPA 8260B*	*03/27/10 15:50*	*JKG*	
Toluene-d8	*41*	*1*	*50.0*	*82 %*	*69-110*	*0C27002*	*EPA 8260B*	*03/27/10 15:50*	*JKG*	

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Description:	4501-AMW1D	**Lab Sample ID:**	C002862-03	**Received:**	03/25/10 10:50
Matrix:	Ground Water	**Sampled:**	03/23/10 12:00	**Work Order:**	C002862
Project:	Henderson Co. LF	**Sampled By:**	Dusty Reedy		

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] ^	0.0540	U	ug/L	1	0.0540	0.200	0.2	EPA 7470A	03/26/10 16:18	NLH	

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

Lab Sample ID: C002862-03
Sampled: 03/23/10 12:00
Sampled By: Dusty Reedy

Received: 03/25/10 10:50
Work Order: C002862

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	03/30/10 10:25	JDH	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	03/26/10 11:28	JDH	
Barium [7440-39-3] ^	**23.1**	J	ug/L	1	1.00	10.0	100	EPA 6010C	03/26/10 11:28	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	03/26/10 11:28	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	03/26/10 11:28	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	03/26/10 11:28	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	03/26/10 11:28	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	03/26/10 11:28	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	03/26/10 11:28	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	03/26/10 11:28	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	03/30/10 10:25	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	03/26/10 11:28	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	03/30/10 10:25	JDH	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	03/26/10 11:28	JDH	
Zinc [7440-66-6] ^	**7.21**	J	ug/L	1	3.80	10.0	10	EPA 6010C	03/26/10 11:28	JDH	

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

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

Lab Sample ID: C002862-04
Sampled: 03/23/10 12:17
Sampled By: Dusty Reedy

Received: 03/25/10 10:50
Work Order: C002862

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	03/27/10 16:19	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/27/10 16:19	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	03/27/10 16:19	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	03/27/10 16:19	JKG	
1,1-Dichloroethane [75-34-3] ^	**0.90**	J	ug/L	1	0.050	1.0	5	EPA 8260B	03/27/10 16:19	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	03/27/10 16:19	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/27/10 16:19	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	03/27/10 16:19	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	03/27/10 16:19	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	03/27/10 16:19	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	03/27/10 16:19	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	03/27/10 16:19	JKG	
1,4-Dichlorobenzene [106-46-7] ^	**1.2**		ug/L	1	0.10	1.0	1	EPA 8260B	03/27/10 16:19	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	03/27/10 16:19	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	03/27/10 16:19	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	03/27/10 16:19	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	03/27/10 16:19	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	03/27/10 16:19	JKG	
Benzene [71-43-2] ^	**0.75**	J	ug/L	1	0.050	1.0	1	EPA 8260B	03/27/10 16:19	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	03/27/10 16:19	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	03/27/10 16:19	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	03/27/10 16:19	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	03/27/10 16:19	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	03/27/10 16:19	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	03/27/10 16:19	JKG	
Chlorobenzene [108-90-7] ^	**0.97**	J	ug/L	1	0.069	1.0	3	EPA 8260B	03/27/10 16:19	JKG	
Chloroethane [75-00-3] ^	0.18	U	ug/L	1	0.18	1.0	10	EPA 8260B	03/27/10 16:19	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	03/27/10 16:19	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	03/27/10 16:19	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	**2.1**	J	ug/L	1	0.075	1.0	5	EPA 8260B	03/27/10 16:19	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	03/27/10 16:19	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	03/27/10 16:19	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	03/27/10 16:19	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	03/27/10 16:19	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	03/27/10 16:19	JKG	
Methylene chloride [75-09-2] ^	0.070	U	ug/L	1	0.070	1.0	1	EPA 8260B	03/27/10 16:19	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	03/27/10 16:19	JKG	
Tetrachloroethene [127-18-4] ^	0.099	U	ug/L	1	0.099	1.0	1	EPA 8260B	03/27/10 16:19	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	03/27/10 16:19	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	03/27/10 16:19	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	03/27/10 16:19	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	03/27/10 16:19	JKG	
Trichloroethene [79-01-6] ^	**0.44**	J	ug/L	1	0.13	1.0	1	EPA 8260B	03/27/10 16:19	JKG	
Trichlorofluoromethane [75-69-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/27/10 16:19	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	03/27/10 16:19	JKG	
Vinyl chloride [75-01-4] ^	0.083	U	ug/L	1	0.083	1.0	1	EPA 8260B	03/27/10 16:19	JKG	

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Description:	4501-AMW2S	**Lab Sample ID:**	C002862-04	**Received:**	03/25/10 10:50
Matrix:	Ground Water	**Sampled:**	03/23/10 12:17	**Work Order:**	C002862
Project:	Henderson Co. LF	**Sampled By:**	Dusty Reedy		

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] ^	0.22	U	ug/L	1	0.22	1.0	5	EPA 8260B	03/27/10 16:19	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*35*	*1*	*50.0*	*71 %*	*51-122*	*0C27002*	*EPA 8260B*	*03/27/10 16:19*	*JKG*	
Dibromofluoromethane	*39*	*1*	*50.0*	*77 %*	*68-117*	*0C27002*	*EPA 8260B*	*03/27/10 16:19*	*JKG*	
Toluene-d8	*42*	*1*	*50.0*	*84 %*	*69-110*	*0C27002*	*EPA 8260B*	*03/27/10 16:19*	*JKG*	

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Description:	4501-AMW2S	**Lab Sample ID:**	C002862-04	**Received:**	03/25/10 10:50
Matrix:	Ground Water	**Sampled:**	03/23/10 12:17	**Work Order:**	C002862
Project:	Henderson Co. LF	**Sampled By:**	Dusty Reedy		

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] ^	0.0540	U	ug/L	1	0.0540	0.200	0.2	EPA 7470A	03/26/10 16:21	NLH	

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

Lab Sample ID: C002862-04
Sampled: 03/23/10 12:17
Sampled By: Dusty Reedy

Received: 03/25/10 10:50
Work Order: C002862

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	03/30/10 10:28	JDH	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	03/26/10 11:30	JDH	
Barium [7440-39-3] ^	**9.57**	J	ug/L	1	1.00	10.0	100	EPA 6010C	03/26/10 11:30	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	03/26/10 11:30	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	03/26/10 11:30	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	03/26/10 11:30	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	03/26/10 11:30	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	03/26/10 11:30	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	03/26/10 11:30	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	03/26/10 11:30	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	03/30/10 10:28	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	03/26/10 11:30	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	03/30/10 10:28	JDH	
Vanadium [7440-62-2] ^	**1.78**	J	ug/L	1	1.40	10.0	25	EPA 6010C	03/26/10 11:30	JDH	
Zinc [7440-66-6] ^	**11.2**		ug/L	1	3.80	10.0	10	EPA 6010C	03/26/10 11:30	JDH	

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

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

Lab Sample ID: C002862-05
Sampled: 03/23/10 12:25
Sampled By: Dusty Reedy

Received: 03/25/10 10:50
Work Order: C002862

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	03/27/10 16:48	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/27/10 16:48	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	03/27/10 16:48	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	03/27/10 16:48	JKG	
1,1-Dichloroethane [75-34-3] ^	0.050	U	ug/L	1	0.050	1.0	5	EPA 8260B	03/27/10 16:48	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	03/27/10 16:48	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/27/10 16:48	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	03/27/10 16:48	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	03/27/10 16:48	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	03/27/10 16:48	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	03/27/10 16:48	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	03/27/10 16:48	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	03/27/10 16:48	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	03/27/10 16:48	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	03/27/10 16:48	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	03/27/10 16:48	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	03/27/10 16:48	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	03/27/10 16:48	JKG	
Benzene [71-43-2] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	03/27/10 16:48	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	03/27/10 16:48	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	03/27/10 16:48	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	03/27/10 16:48	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	03/27/10 16:48	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	03/27/10 16:48	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	03/27/10 16:48	JKG	
Chlorobenzene [108-90-7] ^	0.069	U	ug/L	1	0.069	1.0	3	EPA 8260B	03/27/10 16:48	JKG	
Chloroethane [75-00-3] ^	0.18	U	ug/L	1	0.18	1.0	10	EPA 8260B	03/27/10 16:48	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	03/27/10 16:48	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	03/27/10 16:48	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.075	U	ug/L	1	0.075	1.0	5	EPA 8260B	03/27/10 16:48	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	03/27/10 16:48	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	03/27/10 16:48	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	03/27/10 16:48	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	03/27/10 16:48	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	03/27/10 16:48	JKG	
Methylene chloride [75-09-2] ^	0.070	U	ug/L	1	0.070	1.0	1	EPA 8260B	03/27/10 16:48	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	03/27/10 16:48	JKG	
Tetrachloroethene [127-18-4] ^	0.099	U	ug/L	1	0.099	1.0	1	EPA 8260B	03/27/10 16:48	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	03/27/10 16:48	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	03/27/10 16:48	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	03/27/10 16:48	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	03/27/10 16:48	JKG	
Trichloroethene [79-01-6] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	03/27/10 16:48	JKG	
Trichlorofluoromethane [75-69-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/27/10 16:48	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	03/27/10 16:48	JKG	
Vinyl chloride [75-01-4] ^	0.083	U	ug/L	1	0.083	1.0	1	EPA 8260B	03/27/10 16:48	JKG	

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Description:	4501-AMW2D	**Lab Sample ID:**	C002862-05	**Received:**	03/25/10 10:50
Matrix:	Ground Water	**Sampled:**	03/23/10 12:25	**Work Order:**	C002862
Project:	Henderson Co. LF	**Sampled By:**	Dusty Reedy		

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] ^	0.22	U	ug/L	1	0.22	1.0	5	EPA 8260B	03/27/10 16:48	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*36*	*1*	*50.0*	*71 %*	*51-122*	*0C27002*	*EPA 8260B*	*03/27/10 16:48*	*JKG*	
Dibromofluoromethane	*38*	*1*	*50.0*	*76 %*	*68-117*	*0C27002*	*EPA 8260B*	*03/27/10 16:48*	*JKG*	
Toluene-d8	*41*	*1*	*50.0*	*83 %*	*69-110*	*0C27002*	*EPA 8260B*	*03/27/10 16:48*	*JKG*	

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Description:	4501-AMW2D	**Lab Sample ID:**	C002862-05	**Received:**	03/25/10 10:50
Matrix:	Ground Water	**Sampled:**	03/23/10 12:25	**Work Order:**	C002862
Project:	Henderson Co. LF	**Sampled By:**	Dusty Reedy		

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] ^	0.0540	U	ug/L	1	0.0540	0.200	0.2	EPA 7470A	03/26/10 16:30	NLH	

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

Lab Sample ID: C002862-05
Sampled: 03/23/10 12:25
Sampled By: Dusty Reedy

Received: 03/25/10 10:50
Work Order: C002862

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	03/30/10 10:39	JDH	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	03/26/10 11:33	JDH	
Barium [7440-39-3] ^	**4.16**	J	ug/L	1	1.00	10.0	100	EPA 6010C	03/26/10 11:33	JDH	
Beryllium [7440-41-7] ^	**0.247**	J	ug/L	1	0.100	1.00	1	EPA 6010C	03/26/10 11:33	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	03/26/10 11:33	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	03/26/10 11:33	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	03/26/10 11:33	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	03/26/10 11:33	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	03/26/10 11:33	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	03/26/10 11:33	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	03/30/10 10:39	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	03/26/10 11:33	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	03/30/10 10:39	JDH	
Vanadium [7440-62-2] ^	**1.42**	J	ug/L	1	1.40	10.0	25	EPA 6010C	03/26/10 11:33	JDH	
Zinc [7440-66-6] ^	**7.25**	J	ug/L	1	3.80	10.0	10	EPA 6010C	03/26/10 11:33	JDH	

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Description: 4501-BR1
Matrix: Surface Water
Project: Henderson Co. LF

Lab Sample ID: C002862-06
Sampled: 03/24/10 10:25
Sampled By: Dusty Reedy

Received: 03/25/10 10:50
Work Order: C002862

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	03/27/10 17:18	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/27/10 17:18	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	03/27/10 17:18	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	03/27/10 17:18	JKG	
1,1-Dichloroethane [75-34-3] ^	0.050	U	ug/L	1	0.050	1.0	5	EPA 8260B	03/27/10 17:18	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	03/27/10 17:18	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/27/10 17:18	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	03/27/10 17:18	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	03/27/10 17:18	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	03/27/10 17:18	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	03/27/10 17:18	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	03/27/10 17:18	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	03/27/10 17:18	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	03/27/10 17:18	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	03/27/10 17:18	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	03/27/10 17:18	JKG	
Acetone [67-64-1] ^	**2.3**	J	ug/L	1	1.5	5.0	100	EPA 8260B	03/27/10 17:18	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	03/27/10 17:18	JKG	
Benzene [71-43-2] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	03/27/10 17:18	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	03/27/10 17:18	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	03/27/10 17:18	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	03/27/10 17:18	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	03/27/10 17:18	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	03/27/10 17:18	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	03/27/10 17:18	JKG	
Chlorobenzene [108-90-7] ^	0.069	U	ug/L	1	0.069	1.0	3	EPA 8260B	03/27/10 17:18	JKG	
Chloroethane [75-00-3] ^	0.18	U	ug/L	1	0.18	1.0	10	EPA 8260B	03/27/10 17:18	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	03/27/10 17:18	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	03/27/10 17:18	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.075	U	ug/L	1	0.075	1.0	5	EPA 8260B	03/27/10 17:18	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	03/27/10 17:18	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	03/27/10 17:18	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	03/27/10 17:18	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	03/27/10 17:18	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	03/27/10 17:18	JKG	
Methylene chloride [75-09-2] ^	0.070	U	ug/L	1	0.070	1.0	1	EPA 8260B	03/27/10 17:18	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	03/27/10 17:18	JKG	
Tetrachloroethene [127-18-4] ^	0.099	U	ug/L	1	0.099	1.0	1	EPA 8260B	03/27/10 17:18	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	03/27/10 17:18	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	03/27/10 17:18	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	03/27/10 17:18	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	03/27/10 17:18	JKG	
Trichloroethene [79-01-6] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	03/27/10 17:18	JKG	
Trichlorofluoromethane [75-69-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/27/10 17:18	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	03/27/10 17:18	JKG	
Vinyl chloride [75-01-4] ^	0.083	U	ug/L	1	0.083	1.0	1	EPA 8260B	03/27/10 17:18	JKG	

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Description:	4501-BR1	**Lab Sample ID:**	C002862-06	**Received:**	03/25/10 10:50
Matrix:	Surface Water	**Sampled:**	03/24/10 10:25	**Work Order:**	C002862
Project:	Henderson Co. LF	**Sampled By:**	Dusty Reedy		

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] ^	0.22	U	ug/L	1	0.22	1.0	5	EPA 8260B	03/27/10 17:18	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*36*	*1*	*50.0*	*71 %*	*51-122*	*0C27002*	*EPA 8260B*	*03/27/10 17:18*	*JKG*	
Dibromofluoromethane	*38*	*1*	*50.0*	*75 %*	*68-117*	*0C27002*	*EPA 8260B*	*03/27/10 17:18*	*JKG*	
Toluene-d8	*41*	*1*	*50.0*	*83 %*	*69-110*	*0C27002*	*EPA 8260B*	*03/27/10 17:18*	*JKG*	

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Description: 4501-BR1
Matrix: Surface Water
Project: Henderson Co. LF

Lab Sample ID: C002862-06
Sampled: 03/24/10 10:25
Sampled By: Dusty Reedy

Received: 03/25/10 10:50
Work Order: C002862

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	03/30/10 10:46	JDH	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	03/26/10 11:35	JDH	
Barium [7440-39-3] ^	**62.7**	J	ug/L	1	1.00	10.0	100	EPA 6010C	03/26/10 11:35	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	03/26/10 11:35	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	03/26/10 11:35	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	03/26/10 11:35	JDH	
Cobalt [7440-48-4] ^	**3.17**	J	ug/L	1	1.10	10.0	10	EPA 6010C	03/26/10 11:35	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	03/26/10 11:35	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	03/26/10 11:35	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	03/26/10 11:35	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	03/30/10 10:46	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	03/26/10 11:35	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	03/30/10 10:46	JDH	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	03/26/10 11:35	JDH	
Zinc [7440-66-6] ^	**11.4**		ug/L	1	3.80	10.0	10	EPA 6010C	03/26/10 11:35	JDH	

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

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

Lab Sample ID: C002862-07
Sampled: 03/24/10 10:53
Sampled By: Dusty Reedy

Received: 03/25/10 10:50
Work Order: C002862

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	03/26/10 20:49	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/26/10 20:49	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	03/26/10 20:49	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	03/26/10 20:49	JKG	
1,1-Dichloroethane [75-34-3] ^	0.050	U	ug/L	1	0.050	1.0	5	EPA 8260B	03/26/10 20:49	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	03/26/10 20:49	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/26/10 20:49	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	03/26/10 20:49	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	03/26/10 20:49	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	03/26/10 20:49	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	03/26/10 20:49	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	03/26/10 20:49	JKG	
1,4-Dichlorobenzene [106-46-7] ^	**1.4**		ug/L	1	0.10	1.0	1	EPA 8260B	03/26/10 20:49	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	03/26/10 20:49	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	03/26/10 20:49	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	03/26/10 20:49	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	03/26/10 20:49	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	03/26/10 20:49	JKG	
Benzene [71-43-2] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	03/26/10 20:49	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	03/26/10 20:49	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	03/26/10 20:49	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	03/26/10 20:49	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	03/26/10 20:49	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	03/26/10 20:49	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	03/26/10 20:49	JKG	
Chlorobenzene [108-90-7] ^	**0.77**	J	ug/L	1	0.069	1.0	3	EPA 8260B	03/26/10 20:49	JKG	
Chloroethane [75-00-3] ^	0.18	U	ug/L	1	0.18	1.0	10	EPA 8260B	03/26/10 20:49	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	03/26/10 20:49	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	03/26/10 20:49	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.075	U	ug/L	1	0.075	1.0	5	EPA 8260B	03/26/10 20:49	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	03/26/10 20:49	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	03/26/10 20:49	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	03/26/10 20:49	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	03/26/10 20:49	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	03/26/10 20:49	JKG	
Methylene chloride [75-09-2] ^	0.070	U	ug/L	1	0.070	1.0	1	EPA 8260B	03/26/10 20:49	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	03/26/10 20:49	JKG	
Tetrachloroethene [127-18-4] ^	**0.62**	J	ug/L	1	0.099	1.0	1	EPA 8260B	03/26/10 20:49	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	03/26/10 20:49	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	03/26/10 20:49	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	03/26/10 20:49	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	03/26/10 20:49	JKG	
Trichloroethene [79-01-6] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	03/26/10 20:49	JKG	
Trichlorofluoromethane [75-69-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/26/10 20:49	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	03/26/10 20:49	JKG	
Vinyl chloride [75-01-4] ^	0.083	U	ug/L	1	0.083	1.0	1	EPA 8260B	03/26/10 20:49	JKG	

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Description:	4501-BR2	**Lab Sample ID:**	C002862-07	**Received:**	03/25/10 10:50
Matrix:	Surface Water	**Sampled:**	03/24/10 10:53	**Work Order:**	C002862
Project:	Henderson Co. LF	**Sampled By:**	Dusty Reedy		

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] ^	0.22	U	ug/L	1	0.22	1.0	5	EPA 8260B	03/26/10 20:49	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*36*	*1*	*50.0*	*72 %*	*51-122*	*0C26006*	*EPA 8260B*	*03/26/10 20:49*	*JKG*	
Dibromofluoromethane	*41*	*1*	*50.0*	*81 %*	*68-117*	*0C26006*	*EPA 8260B*	*03/26/10 20:49*	*JKG*	
Toluene-d8	*44*	*1*	*50.0*	*87 %*	*69-110*	*0C26006*	*EPA 8260B*	*03/26/10 20:49*	*JKG*	

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

Lab Sample ID: C002862-07
Sampled: 03/24/10 10:53
Sampled By: Dusty Reedy

Received: 03/25/10 10:50
Work Order: C002862

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	03/30/10 10:50	JDH	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	03/26/10 11:44	JDH	
Barium [7440-39-3] ^	**144**		ug/L	1	1.00	10.0	100	EPA 6010C	03/26/10 11:44	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	03/26/10 11:44	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	03/26/10 11:44	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	03/26/10 11:44	JDH	
Cobalt [7440-48-4] ^	**6.20**	J	ug/L	1	1.10	10.0	10	EPA 6010C	03/26/10 11:44	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	03/26/10 11:44	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	03/26/10 11:44	JDH	
Nickel [7440-02-0] ^	**3.21**	J	ug/L	1	1.80	10.0	50	EPA 6010C	03/26/10 11:44	JDH	
Selenium [7782-49-2] ^	**2.75**	J	ug/L	1	2.70	10.0	10	EPA 6010C	03/26/10 11:44	JDH	
Silver [7440-22-4] ^	**2.89**	J	ug/L	1	1.90	10.0	10	EPA 6010C	03/26/10 11:44	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	03/30/10 10:50	JDH	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	03/26/10 11:44	JDH	
Zinc [7440-66-6] ^	**6.16**	J	ug/L	1	3.80	10.0	10	EPA 6010C	03/26/10 11:44	JDH	

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

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

Lab Sample ID: C002862-08
Sampled: 03/23/10 12:40
Sampled By: Dusty Reedy

Received: 03/25/10 10:50
Work Order: C002862

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	03/26/10 21:18	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/26/10 21:18	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	03/26/10 21:18	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	03/26/10 21:18	JKG	
1,1-Dichloroethane [75-34-3] ^	0.050	U	ug/L	1	0.050	1.0	5	EPA 8260B	03/26/10 21:18	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	03/26/10 21:18	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/26/10 21:18	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	03/26/10 21:18	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	03/26/10 21:18	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	03/26/10 21:18	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	03/26/10 21:18	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	03/26/10 21:18	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	03/26/10 21:18	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	03/26/10 21:18	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	03/26/10 21:18	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	03/26/10 21:18	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	03/26/10 21:18	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	03/26/10 21:18	JKG	
Benzene [71-43-2] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	03/26/10 21:18	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	03/26/10 21:18	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	03/26/10 21:18	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	03/26/10 21:18	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	03/26/10 21:18	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	03/26/10 21:18	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	03/26/10 21:18	JKG	
Chlorobenzene [108-90-7] ^	0.069	U	ug/L	1	0.069	1.0	3	EPA 8260B	03/26/10 21:18	JKG	
Chloroethane [75-00-3] ^	0.18	U	ug/L	1	0.18	1.0	10	EPA 8260B	03/26/10 21:18	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	03/26/10 21:18	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	03/26/10 21:18	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.075	U	ug/L	1	0.075	1.0	5	EPA 8260B	03/26/10 21:18	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	03/26/10 21:18	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	03/26/10 21:18	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	03/26/10 21:18	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	03/26/10 21:18	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	03/26/10 21:18	JKG	
Methylene chloride [75-09-2] ^	0.070	U	ug/L	1	0.070	1.0	1	EPA 8260B	03/26/10 21:18	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	03/26/10 21:18	JKG	
Tetrachloroethene [127-18-4] ^	0.099	U	ug/L	1	0.099	1.0	1	EPA 8260B	03/26/10 21:18	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	03/26/10 21:18	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	03/26/10 21:18	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	03/26/10 21:18	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	03/26/10 21:18	JKG	
Trichloroethene [79-01-6] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	03/26/10 21:18	JKG	
Trichlorofluoromethane [75-69-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/26/10 21:18	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	03/26/10 21:18	JKG	
Vinyl chloride [75-01-4] ^	0.083	U	ug/L	1	0.083	1.0	1	EPA 8260B	03/26/10 21:18	JKG	

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Description:	4501-BR3	**Lab Sample ID:**	C002862-08	**Received:**	03/25/10 10:50
Matrix:	Surface Water	**Sampled:**	03/23/10 12:40	**Work Order:**	C002862
Project:	Henderson Co. LF	**Sampled By:**	Dusty Reedy		

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] ^	0.22	U	ug/L	1	0.22	1.0	5	EPA 8260B	03/26/10 21:18	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*36*	*1*	*50.0*	*73 %*	*51-122*	*0C26006*	*EPA 8260B*	*03/26/10 21:18*	*JKG*	
Dibromofluoromethane	*40*	*1*	*50.0*	*81 %*	*68-117*	*0C26006*	*EPA 8260B*	*03/26/10 21:18*	*JKG*	
Toluene-d8	*43*	*1*	*50.0*	*87 %*	*69-110*	*0C26006*	*EPA 8260B*	*03/26/10 21:18*	*JKG*	

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

Lab Sample ID: C002862-08
Sampled: 03/23/10 12:40
Sampled By: Dusty Reedy

Received: 03/25/10 10:50
Work Order: C002862

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] ^	**0.521**	J	ug/L	1	0.220	2.00	6	EPA 6020A	03/30/10 10:54	JDH	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	03/26/10 11:47	JDH	
Barium [7440-39-3] ^	**83.3**	J	ug/L	1	1.00	10.0	100	EPA 6010C	03/26/10 11:47	JDH	
Beryllium [7440-41-7] ^	**0.318**	J	ug/L	1	0.100	1.00	1	EPA 6010C	03/26/10 11:47	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	03/26/10 11:47	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	03/26/10 11:47	JDH	
Cobalt [7440-48-4] ^	**1.39**	J	ug/L	1	1.10	10.0	10	EPA 6010C	03/26/10 11:47	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	03/26/10 11:47	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	03/26/10 11:47	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	03/26/10 11:47	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	03/30/10 10:54	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	03/26/10 11:47	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	03/30/10 10:54	JDH	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	03/26/10 11:47	JDH	
Zinc [7440-66-6] ^	**24.9**		ug/L	1	3.80	10.0	10	EPA 6010C	03/26/10 11:47	JDH	

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

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

Lab Sample ID: C002862-09
Sampled: 03/24/10 00:00
Sampled By: Dusty Reedy

Received: 03/25/10 10:50
Work Order: C002862

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	03/26/10 21:47	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/26/10 21:47	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	03/26/10 21:47	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	03/26/10 21:47	JKG	
1,1-Dichloroethane [75-34-3] ^	0.050	U	ug/L	1	0.050	1.0	5	EPA 8260B	03/26/10 21:47	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	03/26/10 21:47	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/26/10 21:47	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	03/26/10 21:47	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	03/26/10 21:47	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	03/26/10 21:47	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	03/26/10 21:47	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	03/26/10 21:47	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	03/26/10 21:47	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	03/26/10 21:47	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	03/26/10 21:47	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	03/26/10 21:47	JKG	
Acetone [67-64-1] ^	**2.5**	J	ug/L	1	1.5	5.0	100	EPA 8260B	03/26/10 21:47	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	03/26/10 21:47	JKG	
Benzene [71-43-2] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	03/26/10 21:47	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	03/26/10 21:47	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	03/26/10 21:47	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	03/26/10 21:47	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	03/26/10 21:47	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	03/26/10 21:47	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	03/26/10 21:47	JKG	
Chlorobenzene [108-90-7] ^	0.069	U	ug/L	1	0.069	1.0	3	EPA 8260B	03/26/10 21:47	JKG	
Chloroethane [75-00-3] ^	0.18	U	ug/L	1	0.18	1.0	10	EPA 8260B	03/26/10 21:47	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	03/26/10 21:47	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	03/26/10 21:47	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.075	U	ug/L	1	0.075	1.0	5	EPA 8260B	03/26/10 21:47	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	03/26/10 21:47	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	03/26/10 21:47	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	03/26/10 21:47	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	03/26/10 21:47	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	03/26/10 21:47	JKG	
Methylene chloride [75-09-2] ^	0.070	U	ug/L	1	0.070	1.0	1	EPA 8260B	03/26/10 21:47	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	03/26/10 21:47	JKG	
Tetrachloroethene [127-18-4] ^	0.099	U	ug/L	1	0.099	1.0	1	EPA 8260B	03/26/10 21:47	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	03/26/10 21:47	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	03/26/10 21:47	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	03/26/10 21:47	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	03/26/10 21:47	JKG	
Trichloroethene [79-01-6] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	03/26/10 21:47	JKG	
Trichlorofluoromethane [75-69-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/26/10 21:47	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	03/26/10 21:47	JKG	
Vinyl chloride [75-01-4] ^	0.083	U	ug/L	1	0.083	1.0	1	EPA 8260B	03/26/10 21:47	JKG	

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Description:	4501-SW1	**Lab Sample ID:**	C002862-09	**Received:**	03/25/10 10:50
Matrix:	Surface Water	**Sampled:**	03/24/10 00:00	**Work Order:**	C002862
Project:	Henderson Co. LF	**Sampled By:**	Dusty Reedy		

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] ^	0.22	U	ug/L	1	0.22	1.0	5	EPA 8260B	03/26/10 21:47	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*37*	*1*	*50.0*	*74 %*	*51-122*	*0C26006*	*EPA 8260B*	*03/26/10 21:47*	*JKG*	
Dibromofluoromethane	*41*	*1*	*50.0*	*81 %*	*68-117*	*0C26006*	*EPA 8260B*	*03/26/10 21:47*	*JKG*	
Toluene-d8	*44*	*1*	*50.0*	*88 %*	*69-110*	*0C26006*	*EPA 8260B*	*03/26/10 21:47*	*JKG*	

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

Lab Sample ID: C002862-09
Sampled: 03/24/10 00:00
Sampled By: Dusty Reedy

Received: 03/25/10 10:50
Work Order: C002862

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	03/30/10 10:57	JDH	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	03/26/10 11:49	JDH	
Barium [7440-39-3] ^	**58.1**	J	ug/L	1	1.00	10.0	100	EPA 6010C	03/26/10 11:49	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	03/26/10 11:49	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	03/26/10 11:49	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	03/26/10 11:49	JDH	
Cobalt [7440-48-4] ^	**2.71**	J	ug/L	1	1.10	10.0	10	EPA 6010C	03/26/10 11:49	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	03/26/10 11:49	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	03/26/10 11:49	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	03/26/10 11:49	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	03/30/10 10:57	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	03/26/10 11:49	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	03/30/10 10:57	JDH	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	03/26/10 11:49	JDH	
Zinc [7440-66-6] ^	**9.02**	J	ug/L	1	3.80	10.0	10	EPA 6010C	03/26/10 11:49	JDH	

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

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

Lab Sample ID: C002862-10
Sampled: 03/24/10 11:25
Sampled By: Dusty Reedy

Received: 03/25/10 10:50
Work Order: C002862

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	03/26/10 22:17	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/26/10 22:17	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	03/26/10 22:17	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	03/26/10 22:17	JKG	
1,1-Dichloroethane [75-34-3] ^	0.050	U	ug/L	1	0.050	1.0	5	EPA 8260B	03/26/10 22:17	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	03/26/10 22:17	JKG	
1,1-Dichloropropene [563-58-6] ^	0.063	U	ug/L	1	0.063	1.0	5	EPA 8260B	03/26/10 22:17	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/26/10 22:17	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.097	U	ug/L	1	0.097	1.0	10	EPA 8260B	03/26/10 22:17	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	03/26/10 22:17	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	03/26/10 22:17	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	03/26/10 22:17	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	03/26/10 22:17	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	03/26/10 22:17	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.092	U	ug/L	1	0.092	1.0	5	EPA 8260B	03/26/10 22:17	JKG	
1,3-Dichloropropane [142-28-9] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/26/10 22:17	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	03/26/10 22:17	JKG	
2,2-Dichloropropane [594-20-7] ^	0.12	U	ug/L	1	0.12	1.0	15	EPA 8260B	03/26/10 22:17	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	03/26/10 22:17	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	03/26/10 22:17	JKG	
3-Chloropropene [107-05-1] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	03/26/10 22:17	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	03/26/10 22:17	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	03/26/10 22:17	JKG	
Acetonitrile [75-05-8] ^	2.8	U	ug/L	1	2.8	10	55	EPA 8260B	03/26/10 22:17	JKG	
Acrolein [107-02-8] ^	3.0	U	ug/L	1	3.0	10	53	EPA 8260B	03/26/10 22:17	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	03/26/10 22:17	JKG	
Benzene [71-43-2] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	03/26/10 22:17	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	03/26/10 22:17	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	03/26/10 22:17	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	03/26/10 22:17	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	03/26/10 22:17	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	03/26/10 22:17	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	03/26/10 22:17	JKG	
Chlorobenzene [108-90-7] ^	0.069	U	ug/L	1	0.069	1.0	3	EPA 8260B	03/26/10 22:17	JKG	
Chloroethane [75-00-3] ^	0.18	U	ug/L	1	0.18	1.0	10	EPA 8260B	03/26/10 22:17	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	03/26/10 22:17	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	03/26/10 22:17	JKG	
Chloroprene [126-99-8] ^	0.24	U	ug/L	1	0.24	1.0	20	EPA 8260B	03/26/10 22:17	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.075	U	ug/L	1	0.075	1.0	5	EPA 8260B	03/26/10 22:17	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	03/26/10 22:17	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	03/26/10 22:17	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	03/26/10 22:17	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	03/26/10 22:17	JKG	
Ethyl Methacrylate [97-63-2] ^	0.32	U	ug/L	1	0.32	1.0	10	EPA 8260B	03/26/10 22:17	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	03/26/10 22:17	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	03/26/10 22:17	JKG	

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

Lab Sample ID: C002862-10
Sampled: 03/24/10 11:25
Sampled By: Dusty Reedy

Received: 03/25/10 10:50
Work Order: C002862

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Isobutyl alcohol [78-83-1] ^	14	U	ug/L	1	14	50	100	EPA 8260B	03/26/10 22:17	JKG	
Methacrylonitrile [126-98-7] ^	2.8	U	ug/L	1	2.8	10	100	EPA 8260B	03/26/10 22:17	JKG	
Methyl Methacrylate [80-62-6] ^	0.53	U	ug/L	1	0.53	1.0	30	EPA 8260B	03/26/10 22:17	JKG	
Methylene chloride [75-09-2] ^	0.070	U	ug/L	1	0.070	1.0	1	EPA 8260B	03/26/10 22:17	JKG	
Naphthalene [91-20-3] ^	0.086	U	ug/L	1	0.086	1.0	10	EPA 8260B	03/26/10 22:17	JKG	
Propionitrile [107-12-0] ^	4.8	U	ug/L	1	4.8	10	150	EPA 8260B	03/26/10 22:17	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	03/26/10 22:17	JKG	
Tetrachloroethene [127-18-4] ^	0.099	U	ug/L	1	0.099	1.0	1	EPA 8260B	03/26/10 22:17	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	03/26/10 22:17	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	03/26/10 22:17	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	03/26/10 22:17	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	03/26/10 22:17	JKG	
Trichloroethene [79-01-6] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	03/26/10 22:17	JKG	
Trichlorofluoromethane [75-69-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/26/10 22:17	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	03/26/10 22:17	JKG	
Vinyl chloride [75-01-4] ^	0.083	U	ug/L	1	0.083	1.0	1	EPA 8260B	03/26/10 22:17	JKG	
Xylenes (Total) [1330-20-7] ^	0.22	U	ug/L	1	0.22	1.0	5	EPA 8260B	03/26/10 22:17	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*36*	*1*	*50.0*	*72 %*	*51-122*	*0C26006*	*EPA 8260B*	*03/26/10 22:17*	*JKG*	
Dibromofluoromethane	*43*	*1*	*50.0*	*86 %*	*68-117*	*0C26006*	*EPA 8260B*	*03/26/10 22:17*	*JKG*	
Toluene-d8	*44*	*1*	*50.0*	*88 %*	*69-110*	*0C26006*	*EPA 8260B*	*03/26/10 22:17*	*JKG*	

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

Lab Sample ID: C002862-10
Sampled: 03/24/10 11:25
Sampled By: Dusty Reedy

Received: 03/25/10 10:50
Work Order: C002862

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,2,4,5-Tetrachlorobenzene [95-94-3]	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	04/07/10 03:01	DFM	
1,3,5-Trinitrobenzene [99-35-4]	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	04/07/10 03:01	DFM	
1,3-Dinitrobenzene [99-65-0]	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	04/07/10 03:01	DFM	
1,4-Naphthoquinone [130-15-4]	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	04/07/10 03:01	DFM	
1,4-Phenylenediamine [106-50-3]	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	04/07/10 03:01	DFM	
1-Naphthylamine [134-32-7]	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	04/07/10 03:01	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	04/07/10 03:01	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	04/07/10 03:01	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	04/07/10 03:01	DFM	
2,4-Dichlorophenol [120-83-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	04/07/10 03:01	DFM	
2,4-Dimethylphenol [105-67-9] ^	2.6	U	ug/L	1	2.6	10	10	EPA 8270D	04/07/10 03:01	DFM	
2,4-Dinitrophenol [51-28-5] ^	2.6	U	ug/L	1	2.6	10	50	EPA 8270D	04/07/10 03:01	DFM	
2,4-Dinitrotoluene [121-14-2] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	04/07/10 03:01	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	04/07/10 03:01	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	04/07/10 03:01	DFM	
2-Acetylaminofluorene [53-96-3]	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	04/07/10 03:01	DFM	
2-Chloronaphthalene [91-58-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	04/07/10 03:01	DFM	
2-Chlorophenol [95-57-8] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	04/07/10 03:01	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	1.9	U	ug/L	1	1.9	10	50	EPA 8270D	04/07/10 03:01	DFM	
2-Methylnaphthalene [91-57-6] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	04/07/10 03:01	DFM	
2-Methylphenol [95-48-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	04/07/10 03:01	DFM	
2-Naphthylamine [91-59-8]	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	04/07/10 03:01	DFM	
2-Nitroaniline [88-74-4] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270D	04/07/10 03:01	DFM	
2-Nitrophenol [88-75-5] ^	2.3	U	ug/L	1	2.3	10	10	EPA 8270D	04/07/10 03:01	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270D	04/07/10 03:01	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	1.7	U	ug/L	1	1.7	10	20	EPA 8270D	04/07/10 03:01	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	04/07/10 03:01	DFM	
3-Methylcholanthrene [56-49-5]	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	04/07/10 03:01	DFM	
3-Nitroaniline [99-09-2] ^	1.6	U	ug/L	1	1.6	10	50	EPA 8270D	04/07/10 03:01	DFM	
4-Aminobiphenyl [92-67-1]	3.1	U	ug/L	1	3.1	10	20	EPA 8270D	04/07/10 03:01	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	04/07/10 03:01	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.6	U	ug/L	1	1.6	10	20	EPA 8270D	04/07/10 03:01	DFM	
4-Chloroaniline [106-47-8] ^	1.6	U	ug/L	1	1.6	10	20	EPA 8270D	04/07/10 03:01	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	04/07/10 03:01	DFM	
4-Nitroaniline [100-01-6] ^	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	04/07/10 03:01	DFM	
4-Nitrophenol [100-02-7] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270D	04/07/10 03:01	DFM	
5-Nitro-o-toluidine [99-55-8]	0.60	U	ug/L	1	0.60	10	10	EPA 8270D	04/07/10 03:01	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6]	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	04/07/10 03:01	DFM	
Acenaphthene [83-32-9] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	04/07/10 03:01	DFM	
Acenaphthylene [208-96-8] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	04/07/10 03:01	DFM	
Acetophenone [98-86-2]	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	04/07/10 03:01	DFM	
Anthracene [120-12-7] ^	0.64	U	ug/L	1	0.64	10	10	EPA 8270D	04/07/10 03:01	DFM	
Benzo(a)anthracene [56-55-3] ^	0.76	U	ug/L	1	0.76	10	10	EPA 8270D	04/07/10 03:01	DFM	
Benzo(a)pyrene [50-32-8] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	04/07/10 03:01	DFM	
Benzo(b)fluoranthene [205-99-2] ^	0.78	U	ug/L	1	0.78	10	10	EPA 8270D	04/07/10 03:01	DFM	
Benzo(g,h,i)perylene [191-24-2] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	04/07/10 03:01	DFM	

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

Lab Sample ID: C002862-10
Sampled: 03/24/10 11:25
Sampled By: Dusty Reedy

Received: 03/25/10 10:50
Work Order: C002862

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Benzo(k)fluoranthene [207-08-9] ^	0.77	U	ug/L	1	0.77	10	10	EPA 8270D	04/07/10 03:01	DFM	
Benzyl alcohol [100-51-6] ^	2.0	U	ug/L	1	2.0	10	20	EPA 8270D	04/07/10 03:01	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	04/07/10 03:01	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	04/07/10 03:01	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270D	04/07/10 03:01	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	2.6	U	ug/L	1	2.6	5.0	15	EPA 8270D	04/07/10 03:01	DFM	
Butylbenzylphthalate [85-68-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	04/07/10 03:01	DFM	
Chlorobenzilate [510-15-6]	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	04/07/10 03:01	DFM	
Chrysene [218-01-9] ^	0.92	U	ug/L	1	0.92	10	10	EPA 8270D	04/07/10 03:01	DFM	
Diallate [2303-16-4]	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	04/07/10 03:01	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270D	04/07/10 03:01	DFM	
Dibenzofuran [132-64-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	04/07/10 03:01	DFM	
Diethylphthalate [84-66-2] ^	0.61	U	ug/L	1	0.61	10	10	EPA 8270D	04/07/10 03:01	DFM	
Dimethoate [60-51-5]	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	04/07/10 03:01	DFM	
Dimethylphthalate [131-11-3] ^	0.79	U	ug/L	1	0.79	10	10	EPA 8270D	04/07/10 03:01	DFM	
Di-n-butylphthalate [84-74-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	04/07/10 03:01	DFM	
Di-n-octylphthalate [117-84-0] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	04/07/10 03:01	DFM	
Disulfoton [298-04-4]	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	04/07/10 03:01	DFM	
Ethyl methanesulfonate [62-50-0] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270D	04/07/10 03:01	DFM	
Famphur [52-85-7] ^	1.8	U	ug/L	1	1.8	10	20	EPA 8270D	04/07/10 03:01	DFM	
Fluoranthene [206-44-0] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	04/07/10 03:01	DFM	
Fluorene [86-73-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	04/07/10 03:01	DFM	
Hexachlorobenzene [118-74-1] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	04/07/10 03:01	DFM	
Hexachlorobutadiene [87-68-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	04/07/10 03:01	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	04/07/10 03:01	DFM	
Hexachloroethane [67-72-1] ^	0.97	U	ug/L	1	0.97	10	10	EPA 8270D	04/07/10 03:01	DFM	
Hexachloropropene [1888-71-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	04/07/10 03:01	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	04/07/10 03:01	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	04/07/10 03:01	DFM	
Isophorone [78-59-1] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	04/07/10 03:01	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	04/07/10 03:01	DFM	
Kepone [143-50-0]	1.5	U	ug/L	1	1.5	20	20	EPA 8270D	04/07/10 03:01	DFM	
Methapyrilene [91-80-5] ^	3.8	U	ug/L	1	3.8	10	100	EPA 8270D	04/07/10 03:01	DFM	
Methyl Methanesulfonate [66-27-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	04/07/10 03:01	DFM	
Methyl parathion [298-00-0] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	04/07/10 03:01	DFM	
Nitrobenzene [98-95-3] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	04/07/10 03:01	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.9	U	ug/L	1	1.9	10	20	EPA 8270D	04/07/10 03:01	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	04/07/10 03:01	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	04/07/10 03:01	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270D	04/07/10 03:01	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	04/07/10 03:01	DFM	
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	04/07/10 03:01	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270D	04/07/10 03:01	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	04/07/10 03:01	DFM	
O,O,O-Triethyl phosphorothioate [126-68-1] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	04/07/10 03:01	DFM	

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Description:	4501-Field Blank	**Lab Sample ID:**	C002862-10	**Received:**	03/25/10 10:50
Matrix:	Water	**Sampled:**	03/24/10 11:25	**Work Order:**	C002862
Project:	Henderson Co. LF	**Sampled By:**	Dusty Reedy		

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
o-Toluidine [95-53-4] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	04/07/10 03:01	DFM	
Parathion [56-38-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	04/07/10 03:01	DFM	
p-Dimethylaminoazobenzene [60-11-7]	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	04/07/10 03:01	DFM	
Pentachlorobenzene [608-93-5] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	04/07/10 03:01	DFM	
Pentachloronitrobenzene [82-68-8] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270D	04/07/10 03:01	DFM	
Phenacetin [62-44-2] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	04/07/10 03:01	DFM	
Phenanthrene [85-01-8] ^	0.74	U	ug/L	1	0.74	10	10	EPA 8270D	04/07/10 03:01	DFM	
Phenol [108-95-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	04/07/10 03:01	DFM	
Phorate [298-02-2] ^	4.1	U	ug/L	1	4.1	10	10	EPA 8270D	04/07/10 03:01	DFM	
Pronamide [23950-58-5] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	04/07/10 03:01	DFM	
Pyrene [129-00-0] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	04/07/10 03:01	DFM	
Safrole [94-59-7] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	04/07/10 03:01	DFM	
Thionazin [297-97-2] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	04/07/10 03:01	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*88*	*1*	*100*	*88 %*	*10-179*	*0C26008*	*EPA 8270D*	*04/07/10 03:01*	*DFM*	
2-Fluorobiphenyl	*52*	*1*	*50.0*	*104 %*	*10-149*	*0C26008*	*EPA 8270D*	*04/07/10 03:01*	*DFM*	
2-Fluorophenol	*61*	*1*	*100*	*61 %*	*10-110*	*0C26008*	*EPA 8270D*	*04/07/10 03:01*	*DFM*	
Nitrobenzene-d5	*41*	*1*	*50.0*	*83 %*	*10-149*	*0C26008*	*EPA 8270D*	*04/07/10 03:01*	*DFM*	
Phenol-d5	*54*	*1*	*100*	*54 %*	*10-88*	*0C26008*	*EPA 8270D*	*04/07/10 03:01*	*DFM*	
Terphenyl-d14	*57*	*1*	*50.0*	*114 %*	*10-188*	*0C26008*	*EPA 8270D*	*04/07/10 03:01*	*DFM*	

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Description:	4501-Field Blank	**Lab Sample ID:**	C002862-10	**Received:**	03/25/10 10:50
Matrix:	Water	**Sampled:**	03/24/10 11:25	**Work Order:**	C002862
Project:	Henderson Co. LF	**Sampled By:**	Dusty Reedy		

Organochlorine Pesticides by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
4,4'-DDD [72-54-8] ^	0.013	U	ug/L	1	0.013	0.050	0.1	EPA 8081B	03/29/10 18:22	JHH	
4,4'-DDE [72-55-9] ^	0.012	U	ug/L	1	0.012	0.050	0.1	EPA 8081B	03/29/10 18:22	JHH	
4,4'-DDT [50-29-3] ^	0.015	U	ug/L	1	0.015	0.050	0.1	EPA 8081B	03/29/10 18:22	JHH	
Aldrin [309-00-2] ^	0.012	U	ug/L	1	0.012	0.050	0.05	EPA 8081B	03/29/10 18:22	JHH	
alpha-BHC [319-84-6] ^	0.015	U	ug/L	1	0.015	0.050	0.05	EPA 8081B	03/29/10 18:22	JHH	
beta-BHC [319-85-7] ^	0.012	U	ug/L	1	0.012	0.050	0.05	EPA 8081B	03/29/10 18:22	JHH	
Chlordane (tech) [12789-03-6] ^	0.20	U	ug/L	1	0.20	0.50	0.5	EPA 8081B	03/29/10 18:22	JHH	
Chlordane-alpha [5103-71-9] ^	0.014	U	ug/L	1	0.014	0.050	NE	EPA 8081B	03/29/10 18:22	JHH	
Chlordane-gamma [5566-34-7] ^	0.012	U	ug/L	1	0.012	0.050	NE	EPA 8081B	03/29/10 18:22	JHH	
delta-BHC [319-86-8] ^	0.014	U	ug/L	1	0.014	0.050	0.05	EPA 8081B	03/29/10 18:22	JHH	
Dieldrin [60-57-1] ^	0.0089	U	ug/L	1	0.0089	0.050	0.075	EPA 8081B	03/29/10 18:22	JHH	
Endosulfan I [959-98-8] ^	0.016	U	ug/L	1	0.016	0.050	0.1	EPA 8081B	03/29/10 18:22	JHH	
Endosulfan II [33213-65-9] ^	0.012	U	ug/L	1	0.012	0.050	0.1	EPA 8081B	03/29/10 18:22	JHH	
Endosulfan sulfate [1031-07-8] ^	0.012	U	ug/L	1	0.012	0.050	0.1	EPA 8081B	03/29/10 18:22	JHH	
Endrin [72-20-8] ^	0.013	U	ug/L	1	0.013	0.050	0.1	EPA 8081B	03/29/10 18:22	JHH	
Endrin aldehyde [7421-93-4] ^	0.012	U	ug/L	1	0.012	0.050	0.1	EPA 8081B	03/29/10 18:22	JHH	
gamma-BHC [58-89-9] ^	0.016	U	ug/L	1	0.016	0.050	0.05	EPA 8081B	03/29/10 18:22	JHH	
Heptachlor [76-44-8] ^	0.012	U	ug/L	1	0.012	0.050	0.05	EPA 8081B	03/29/10 18:22	JHH	
Heptachlor epoxide [1024-57-3] ^	0.0089	U	ug/L	1	0.0089	0.050	0.075	EPA 8081B	03/29/10 18:22	JHH	
Methoxychlor [72-43-5] ^	0.016	U	ug/L	1	0.016	0.050	1	EPA 8081B	03/29/10 18:22	JHH	
Toxaphene [8001-35-2] ^	0.22	U	ug/L	1	0.22	0.50	1.5	EPA 8081B	03/29/10 18:22	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.58*	*1*	*1.00*	*58 %*	*44-134*	*0C29010*	*EPA 8081B*	*03/29/10 18:22*	*JHH*	
Decachlorobiphenyl	*0.60*	*1*	*1.00*	*60 %*	*37-149*	*0C29010*	*EPA 8081B*	*03/29/10 18:22*	*JHH*	

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Description:	4501-Field Blank	**Lab Sample ID:**	C002862-10	**Received:**	03/25/10 10:50
Matrix:	Water	**Sampled:**	03/24/10 11:25	**Work Order:**	C002862
Project:	Henderson Co. LF	**Sampled By:**	Dusty Reedy		

Polychlorinated Biphenyls by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
PCB-1016/1242 [12674-11-2/53469-21-9] ^	0.19	U	ug/L	1	0.19	0.50	2	EPA 8082A	03/29/10 18:22	JHH	
PCB-1221 [11104-28-2] ^	0.046	U	ug/L	1	0.046	0.50	NE	EPA 8082A	03/29/10 18:22	JHH	
PCB-1232 [11141-16-5] ^	0.028	U	ug/L	1	0.028	0.50	NE	EPA 8082A	03/29/10 18:22	JHH	
PCB-1248 [12672-29-6] ^	0.014	U	ug/L	1	0.014	0.50	NE	EPA 8082A	03/29/10 18:22	JHH	
PCB-1254 [11097-69-1] ^	0.015	U	ug/L	1	0.015	0.50	NE	EPA 8082A	03/29/10 18:22	JHH	
PCB-1260 [11096-82-5] ^	0.13	U	ug/L	1	0.13	0.50	NE	EPA 8082A	03/29/10 18:22	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*1.0*	*1*	*1.00*	*100 %*	*45-151*	*0C29011*	*EPA 8082A*	*03/29/10 18:22*	*JHH*	
Decachlorobiphenyl	*1.0*	*1*	*1.00*	*100 %*	*42-159*	*0C29011*	*EPA 8082A*	*03/29/10 18:22*	*JHH*	

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Description:	4501-Field Blank	**Lab Sample ID:**	C002862-10	**Received:**	03/25/10 10:50
Matrix:	Water	**Sampled:**	03/24/10 11:25	**Work Order:**	C002862
Project:	Henderson Co. LF	**Sampled By:**	Dusty Reedy		

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] ^	0.0540	U	ug/L	1	0.0540	0.200	0.2	EPA 7470A	03/26/10 16:33	NLH	

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

Lab Sample ID: C002862-10
Sampled: 03/24/10 11:25
Sampled By: Dusty Reedy

Received: 03/25/10 10:50
Work Order: C002862

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	03/30/10 11:01	JDH	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	03/26/10 11:52	JDH	
Barium [7440-39-3] ^	**1.54**	J	ug/L	1	1.00	10.0	100	EPA 6010C	03/26/10 11:52	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	03/26/10 11:52	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	03/26/10 11:52	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	03/26/10 11:52	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	03/26/10 11:52	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	03/26/10 11:52	JDH	
Iron [7439-89-6] ^	**27.6**	J	ug/L	1	22.0	50.0	300	EPA 6010C	03/26/10 11:52	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	03/26/10 11:52	JDH	
Manganese [7439-96-5] ^	**2.13**	J	ug/L	1	1.10	10.0	50	EPA 6010C	03/26/10 11:52	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	03/26/10 11:52	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	03/30/10 11:01	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	03/26/10 11:52	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	03/30/10 11:01	JDH	
Tin [7440-31-5] ^	2.10	U	ug/L	1	2.10	10.0	100	EPA 6010C	03/26/10 11:52	JDH	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	03/26/10 11:52	JDH	
Zinc [7440-66-6] ^	3.80	U	ug/L	1	3.80	10.0	10	EPA 6010C	03/26/10 11:52	JDH	

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Description:	4501-Field Blank	**Lab Sample ID:**	C002862-10	**Received:**	03/25/10 10:50
Matrix:	Water	**Sampled:**	03/24/10 11:25	**Work Order:**	C002862
Project:	Henderson Co. LF	**Sampled By:**	Dusty Reedy		

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Cyanide (total) [57-12-5] ^	0.005	U	mg/L	1	0.005	0.005	10	EPA 335.4	03/29/10 16:05	AJB	
Sulfide [18496-25-8] ^	0.031	U	mg/L	1	0.031	0.10	1000	SM18 4500-S D	03/29/10 14:36	JOC	

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Description:	4501-Field Blank	**Lab Sample ID:**	C002862-10	**Received:**	03/25/10 10:50
Matrix:	Water	**Sampled:**	03/24/10 11:25	**Work Order:**	C002862
Project:	Henderson Co. LF	**Sampled By:**	Dusty Reedy		

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
2,4,5-T [93-76-5] ^	0.053	U	ug/L	1	0.053	0.50	2	EPA 8151A	04/01/10 16:04	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.056	U	ug/L	1	0.056	0.50	2	EPA 8151A	04/01/10 16:04	RGG	
2,4-D [94-75-7] ^	0.091	U	ug/L	1	0.091	0.50	2	EPA 8151A	04/01/10 16:04	RGG	
Dinoseb [88-85-7] ^	0.28	U	ug/L	1	0.28	0.50	1	EPA 8151A	04/01/10 16:04	RGG	
Pentachlorophenol [87-86-5] ^	0.043	U	ug/L	1	0.043	0.50	25	EPA 8151A	04/01/10 16:04	RGG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*2.2*	*1*	*2.00*	*109 %*	*68-139*	*0C30034*	*EPA 8151A*	*04/01/10 16:04*	*RGG*	

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

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

Lab Sample ID: C002862-11
Sampled: 03/23/10 11:50
Sampled By: ENCO

Received: 03/25/10 10:50
Work Order: C002862

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	03/26/10 22:46	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/26/10 22:46	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	03/26/10 22:46	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	03/26/10 22:46	JKG	
1,1-Dichloroethane [75-34-3] ^	0.050	U	ug/L	1	0.050	1.0	5	EPA 8260B	03/26/10 22:46	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	03/26/10 22:46	JKG	
1,1-Dichloropropene [563-58-6] ^	0.063	U	ug/L	1	0.063	1.0	5	EPA 8260B	03/26/10 22:46	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/26/10 22:46	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.097	U	ug/L	1	0.097	1.0	10	EPA 8260B	03/26/10 22:46	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	03/26/10 22:46	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	03/26/10 22:46	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	03/26/10 22:46	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	03/26/10 22:46	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	03/26/10 22:46	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.092	U	ug/L	1	0.092	1.0	5	EPA 8260B	03/26/10 22:46	JKG	
1,3-Dichloropropane [142-28-9] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/26/10 22:46	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	03/26/10 22:46	JKG	
2,2-Dichloropropane [594-20-7] ^	0.12	U	ug/L	1	0.12	1.0	15	EPA 8260B	03/26/10 22:46	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	03/26/10 22:46	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	03/26/10 22:46	JKG	
3-Chloropropene [107-05-1] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	03/26/10 22:46	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	03/26/10 22:46	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	03/26/10 22:46	JKG	
Acetonitrile [75-05-8] ^	2.8	U	ug/L	1	2.8	10	55	EPA 8260B	03/26/10 22:46	JKG	
Acrolein [107-02-8] ^	3.0	U	ug/L	1	3.0	10	53	EPA 8260B	03/26/10 22:46	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	03/26/10 22:46	JKG	
Benzene [71-43-2] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	03/26/10 22:46	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	03/26/10 22:46	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	03/26/10 22:46	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	03/26/10 22:46	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	03/26/10 22:46	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	03/26/10 22:46	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	03/26/10 22:46	JKG	
Chlorobenzene [108-90-7] ^	0.069	U	ug/L	1	0.069	1.0	3	EPA 8260B	03/26/10 22:46	JKG	
Chloroethane [75-00-3] ^	0.18	U	ug/L	1	0.18	1.0	10	EPA 8260B	03/26/10 22:46	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	03/26/10 22:46	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	03/26/10 22:46	JKG	
Chloroprene [126-99-8] ^	0.24	U	ug/L	1	0.24	1.0	20	EPA 8260B	03/26/10 22:46	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.075	U	ug/L	1	0.075	1.0	5	EPA 8260B	03/26/10 22:46	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	03/26/10 22:46	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	03/26/10 22:46	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	03/26/10 22:46	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	03/26/10 22:46	JKG	
Ethyl Methacrylate [97-63-2] ^	0.32	U	ug/L	1	0.32	1.0	10	EPA 8260B	03/26/10 22:46	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	03/26/10 22:46	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	03/26/10 22:46	JKG	

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

Lab Sample ID: C002862-11
Sampled: 03/23/10 11:50
Sampled By: ENCO

Received: 03/25/10 10:50
Work Order: C002862

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Isobutyl alcohol [78-83-1] ^	14	U	ug/L	1	14	50	100	EPA 8260B	03/26/10 22:46	JKG	
Methacrylonitrile [126-98-7] ^	2.8	U	ug/L	1	2.8	10	100	EPA 8260B	03/26/10 22:46	JKG	
Methyl Methacrylate [80-62-6] ^	0.53	U	ug/L	1	0.53	1.0	30	EPA 8260B	03/26/10 22:46	JKG	
Methylene chloride [75-09-2] ^	0.070	U	ug/L	1	0.070	1.0	1	EPA 8260B	03/26/10 22:46	JKG	
Naphthalene [91-20-3] ^	0.086	U	ug/L	1	0.086	1.0	10	EPA 8260B	03/26/10 22:46	JKG	
Propionitrile [107-12-0] ^	4.8	U	ug/L	1	4.8	10	150	EPA 8260B	03/26/10 22:46	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	03/26/10 22:46	JKG	
Tetrachloroethene [127-18-4] ^	0.099	U	ug/L	1	0.099	1.0	1	EPA 8260B	03/26/10 22:46	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	03/26/10 22:46	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	03/26/10 22:46	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	03/26/10 22:46	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	03/26/10 22:46	JKG	
Trichloroethene [79-01-6] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	03/26/10 22:46	JKG	
Trichlorofluoromethane [75-69-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/26/10 22:46	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	03/26/10 22:46	JKG	
Vinyl chloride [75-01-4] ^	0.083	U	ug/L	1	0.083	1.0	1	EPA 8260B	03/26/10 22:46	JKG	
Xylenes (Total) [1330-20-7] ^	0.22	U	ug/L	1	0.22	1.0	5	EPA 8260B	03/26/10 22:46	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*37*	*1*	*50.0*	*75 %*	*51-122*	*0C26006*	*EPA 8260B*	*03/26/10 22:46*	*JKG*	
Dibromofluoromethane	*42*	*1*	*50.0*	*85 %*	*68-117*	*0C26006*	*EPA 8260B*	*03/26/10 22:46*	*JKG*	
Toluene-d8	*45*	*1*	*50.0*	*91 %*	*69-110*	*0C26006*	*EPA 8260B*	*03/26/10 22:46*	*JKG*	

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

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Description: 4501-MW5 (Background)
Matrix: Ground Water
Project: Henderson Co. LF

Lab Sample ID: C003576-01
Sampled: 03/23/10 11:10
Sampled By: David Reedy

Received: 03/24/10 09:30
Work Order: C003576

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	03/26/10 18:22	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/26/10 18:22	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	03/26/10 18:22	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	03/26/10 18:22	JKG	
1,1-Dichloroethane [75-34-3] ^	0.050	U	ug/L	1	0.050	1.0	5	EPA 8260B	03/26/10 18:22	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	03/26/10 18:22	JKG	
1,1-Dichloropropene [563-58-6] ^	0.063	U	ug/L	1	0.063	1.0	5	EPA 8260B	03/26/10 18:22	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/26/10 18:22	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.097	U	ug/L	1	0.097	1.0	10	EPA 8260B	03/26/10 18:22	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	03/26/10 18:22	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	03/26/10 18:22	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	03/26/10 18:22	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	03/26/10 18:22	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	03/26/10 18:22	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.092	U	ug/L	1	0.092	1.0	5	EPA 8260B	03/26/10 18:22	JKG	
1,3-Dichloropropane [142-28-9] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/26/10 18:22	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	03/26/10 18:22	JKG	
2,2-Dichloropropane [594-20-7] ^	0.12	U	ug/L	1	0.12	1.0	15	EPA 8260B	03/26/10 18:22	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	03/26/10 18:22	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	03/26/10 18:22	JKG	
3-Chloropropene [107-05-1] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	03/26/10 18:22	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	03/26/10 18:22	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	03/26/10 18:22	JKG	
Acetonitrile [75-05-8] ^	2.8	U	ug/L	1	2.8	10	55	EPA 8260B	03/26/10 18:22	JKG	
Acrolein [107-02-8] ^	3.0	U	ug/L	1	3.0	10	53	EPA 8260B	03/26/10 18:22	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	03/26/10 18:22	JKG	
Benzene [71-43-2] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	03/26/10 18:22	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	03/26/10 18:22	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	03/26/10 18:22	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	03/26/10 18:22	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	03/26/10 18:22	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	03/26/10 18:22	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	03/26/10 18:22	JKG	
Chlorobenzene [108-90-7] ^	0.069	U	ug/L	1	0.069	1.0	3	EPA 8260B	03/26/10 18:22	JKG	
Chloroethane [75-00-3] ^	0.18	U	ug/L	1	0.18	1.0	10	EPA 8260B	03/26/10 18:22	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	03/26/10 18:22	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	03/26/10 18:22	JKG	
Chloroprene [126-99-8] ^	0.24	U	ug/L	1	0.24	1.0	20	EPA 8260B	03/26/10 18:22	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.075	U	ug/L	1	0.075	1.0	5	EPA 8260B	03/26/10 18:22	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	03/26/10 18:22	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	03/26/10 18:22	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	03/26/10 18:22	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	03/26/10 18:22	JKG	
Ethyl Methacrylate [97-63-2] ^	0.32	U	ug/L	1	0.32	1.0	10	EPA 8260B	03/26/10 18:22	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	03/26/10 18:22	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	03/26/10 18:22	JKG	

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Description: 4501-MW5 (Background)
Matrix: Ground Water
Project: Henderson Co. LF

Lab Sample ID: C003576-01
Sampled: 03/23/10 11:10
Sampled By: David Reedy

Received: 03/24/10 09:30
Work Order: C003576

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Isobutyl alcohol [78-83-1] ^	14	U	ug/L	1	14	50	100	EPA 8260B	03/26/10 18:22	JKG	
Methacrylonitrile [126-98-7] ^	2.8	U	ug/L	1	2.8	10	100	EPA 8260B	03/26/10 18:22	JKG	
Methyl Methacrylate [80-62-6] ^	0.53	U	ug/L	1	0.53	1.0	30	EPA 8260B	03/26/10 18:22	JKG	
Methylene chloride [75-09-2] ^	0.070	U	ug/L	1	0.070	1.0	1	EPA 8260B	03/26/10 18:22	JKG	
Naphthalene [91-20-3] ^	0.086	U	ug/L	1	0.086	1.0	10	EPA 8260B	03/26/10 18:22	JKG	
Propionitrile [107-12-0] ^	4.8	U	ug/L	1	4.8	10	150	EPA 8260B	03/26/10 18:22	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	03/26/10 18:22	JKG	
Tetrachloroethene [127-18-4] ^	0.099	U	ug/L	1	0.099	1.0	1	EPA 8260B	03/26/10 18:22	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	03/26/10 18:22	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	03/26/10 18:22	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	03/26/10 18:22	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	03/26/10 18:22	JKG	
Trichloroethene [79-01-6] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	03/26/10 18:22	JKG	
Trichlorofluoromethane [75-69-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/26/10 18:22	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	03/26/10 18:22	JKG	
Vinyl chloride [75-01-4] ^	0.083	U	ug/L	1	0.083	1.0	1	EPA 8260B	03/26/10 18:22	JKG	
Xylenes (Total) [1330-20-7] ^	0.22	U	ug/L	1	0.22	1.0	5	EPA 8260B	03/26/10 18:22	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*36*	*1*	*50.0*	*72 %*	*51-122*	*0C26006*	*EPA 8260B*	*03/26/10 18:22*	*JKG*	
Dibromofluoromethane	*40*	*1*	*50.0*	*80 %*	*68-117*	*0C26006*	*EPA 8260B*	*03/26/10 18:22*	*JKG*	
Toluene-d8	*43*	*1*	*50.0*	*86 %*	*69-110*	*0C26006*	*EPA 8260B*	*03/26/10 18:22*	*JKG*	

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,2,4,5-Tetrachlorobenzene [95-94-3]	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	04/06/10 23:36	DFM	
1,3,5-Trinitrobenzene [99-35-4]	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	04/06/10 23:36	DFM	
1,3-Dinitrobenzene [99-65-0]	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	04/06/10 23:36	DFM	
1,4-Naphthoquinone [130-15-4]	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	04/06/10 23:36	DFM	
1,4-Phenylenediamine [106-50-3]	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	04/06/10 23:36	DFM	
1-Naphthylamine [134-32-7]	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	04/06/10 23:36	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	04/06/10 23:36	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	04/06/10 23:36	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	04/06/10 23:36	DFM	
2,4-Dichlorophenol [120-83-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	04/06/10 23:36	DFM	
2,4-Dimethylphenol [105-67-9] ^	2.6	U	ug/L	1	2.6	10	10	EPA 8270D	04/06/10 23:36	DFM	
2,4-Dinitrophenol [51-28-5] ^	2.6	U	ug/L	1	2.6	10	50	EPA 8270D	04/06/10 23:36	DFM	
2,4-Dinitrotoluene [121-14-2] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	04/06/10 23:36	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	04/06/10 23:36	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	04/06/10 23:36	DFM	
2-Acetylaminofluorene [53-96-3]	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	04/06/10 23:36	DFM	
2-Chloronaphthalene [91-58-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	04/06/10 23:36	DFM	
2-Chlorophenol [95-57-8] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	04/06/10 23:36	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	1.9	U	ug/L	1	1.9	10	50	EPA 8270D	04/06/10 23:36	DFM	
2-Methylnaphthalene [91-57-6] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	04/06/10 23:36	DFM	

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Description: 4501-MW5 (Background)
Matrix: Ground Water
Project: Henderson Co. LF

Lab Sample ID: C003576-01
Sampled: 03/23/10 11:10
Sampled By: David Reedy

Received: 03/24/10 09:30
Work Order: C003576

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
2-Methylphenol [95-48-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	04/06/10 23:36	DFM	
2-Naphthylamine [91-59-8]	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	04/06/10 23:36	DFM	
2-Nitroaniline [88-74-4] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270D	04/06/10 23:36	DFM	
2-Nitrophenol [88-75-5] ^	2.3	U	ug/L	1	2.3	10	10	EPA 8270D	04/06/10 23:36	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270D	04/06/10 23:36	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	1.7	U	ug/L	1	1.7	10	20	EPA 8270D	04/06/10 23:36	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	04/06/10 23:36	DFM	
3-Methylcholanthrene [56-49-5]	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	04/06/10 23:36	DFM	
3-Nitroaniline [99-09-2] ^	1.6	U	ug/L	1	1.6	10	50	EPA 8270D	04/06/10 23:36	DFM	
4-Aminobiphenyl [92-67-1]	3.1	U	ug/L	1	3.1	10	20	EPA 8270D	04/06/10 23:36	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	04/06/10 23:36	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.6	U	ug/L	1	1.6	10	20	EPA 8270D	04/06/10 23:36	DFM	
4-Chloroaniline [106-47-8] ^	1.6	U	ug/L	1	1.6	10	20	EPA 8270D	04/06/10 23:36	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	04/06/10 23:36	DFM	
4-Nitroaniline [100-01-6] ^	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	04/06/10 23:36	DFM	
4-Nitrophenol [100-02-7] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270D	04/06/10 23:36	DFM	
5-Nitro-o-toluidine [99-55-8]	0.60	U	ug/L	1	0.60	10	10	EPA 8270D	04/06/10 23:36	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6]	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	04/06/10 23:36	DFM	
Acenaphthene [83-32-9] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	04/06/10 23:36	DFM	
Acenaphthylene [208-96-8] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	04/06/10 23:36	DFM	
Acetophenone [98-86-2]	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	04/06/10 23:36	DFM	
Anthracene [120-12-7] ^	0.64	U	ug/L	1	0.64	10	10	EPA 8270D	04/06/10 23:36	DFM	
Benzo(a)anthracene [56-55-3] ^	0.76	U	ug/L	1	0.76	10	10	EPA 8270D	04/06/10 23:36	DFM	
Benzo(a)pyrene [50-32-8] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	04/06/10 23:36	DFM	
Benzo(b)fluoranthene [205-99-2] ^	0.78	U	ug/L	1	0.78	10	10	EPA 8270D	04/06/10 23:36	DFM	
Benzo(g,h,i)perylene [191-24-2] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	04/06/10 23:36	DFM	
Benzo(k)fluoranthene [207-08-9] ^	0.77	U	ug/L	1	0.77	10	10	EPA 8270D	04/06/10 23:36	DFM	
Benzyl alcohol [100-51-6] ^	2.0	U	ug/L	1	2.0	10	20	EPA 8270D	04/06/10 23:36	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	04/06/10 23:36	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	04/06/10 23:36	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270D	04/06/10 23:36	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	2.6	U	ug/L	1	2.6	5.0	15	EPA 8270D	04/06/10 23:36	DFM	
Butylbenzylphthalate [85-68-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	04/06/10 23:36	DFM	
Chlorobenzilate [510-15-6]	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	04/06/10 23:36	DFM	
Chrysene [218-01-9] ^	0.92	U	ug/L	1	0.92	10	10	EPA 8270D	04/06/10 23:36	DFM	
Diallate [2303-16-4]	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	04/06/10 23:36	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270D	04/06/10 23:36	DFM	
Dibenzofuran [132-64-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	04/06/10 23:36	DFM	
Diethylphthalate [84-66-2] ^	0.61	U	ug/L	1	0.61	10	10	EPA 8270D	04/06/10 23:36	DFM	
Dimethoate [60-51-5]	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	04/06/10 23:36	DFM	
Dimethylphthalate [131-11-3] ^	0.79	U	ug/L	1	0.79	10	10	EPA 8270D	04/06/10 23:36	DFM	
Di-n-butylphthalate [84-74-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	04/06/10 23:36	DFM	
Di-n-octylphthalate [117-84-0] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	04/06/10 23:36	DFM	
Disulfoton [298-04-4]	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	04/06/10 23:36	DFM	
Ethyl methanesulfonate [62-50-0] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270D	04/06/10 23:36	DFM	
Famphur [52-85-7] ^	1.8	U	ug/L	1	1.8	10	20	EPA 8270D	04/06/10 23:36	DFM	

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Description: 4501-MW5 (Background)
Matrix: Ground Water
Project: Henderson Co. LF

Lab Sample ID: C003576-01
Sampled: 03/23/10 11:10
Sampled By: David Reedy

Received: 03/24/10 09:30
Work Order: C003576

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Fluoranthene [206-44-0] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	04/06/10 23:36	DFM	
Fluorene [86-73-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	04/06/10 23:36	DFM	
Hexachlorobenzene [118-74-1] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	04/06/10 23:36	DFM	
Hexachlorobutadiene [87-68-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	04/06/10 23:36	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	04/06/10 23:36	DFM	
Hexachloroethane [67-72-1] ^	0.97	U	ug/L	1	0.97	10	10	EPA 8270D	04/06/10 23:36	DFM	
Hexachloropropene [1888-71-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	04/06/10 23:36	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	04/06/10 23:36	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	04/06/10 23:36	DFM	
Isophorone [78-59-1] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	04/06/10 23:36	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	04/06/10 23:36	DFM	
Kepone [143-50-0]	1.5	U	ug/L	1	1.5	20	20	EPA 8270D	04/06/10 23:36	DFM	
Methapyrilene [91-80-5] ^	3.8	U	ug/L	1	3.8	10	100	EPA 8270D	04/06/10 23:36	DFM	
Methyl Methanesulfonate [66-27-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	04/06/10 23:36	DFM	
Methyl parathion [298-00-0] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	04/06/10 23:36	DFM	
Nitrobenzene [98-95-3] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	04/06/10 23:36	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.9	U	ug/L	1	1.9	10	20	EPA 8270D	04/06/10 23:36	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	04/06/10 23:36	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	04/06/10 23:36	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270D	04/06/10 23:36	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	04/06/10 23:36	DFM	
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	04/06/10 23:36	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270D	04/06/10 23:36	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	04/06/10 23:36	DFM	
O,O,O-Triethyl phosphorothioate [126-68-1] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	04/06/10 23:36	DFM	
o-Toluidine [95-53-4] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	04/06/10 23:36	DFM	
Parathion [56-38-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	04/06/10 23:36	DFM	
p-Dimethylaminoazobenzene [60-11-7]	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	04/06/10 23:36	DFM	
Pentachlorobenzene [608-93-5] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	04/06/10 23:36	DFM	
Pentachloronitrobenzene [82-68-8] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270D	04/06/10 23:36	DFM	
Phenacetin [62-44-2] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	04/06/10 23:36	DFM	
Phenanthrene [85-01-8] ^	0.74	U	ug/L	1	0.74	10	10	EPA 8270D	04/06/10 23:36	DFM	
Phenol [108-95-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	04/06/10 23:36	DFM	
Phorate [298-02-2] ^	4.1	U	ug/L	1	4.1	10	10	EPA 8270D	04/06/10 23:36	DFM	
Pronamide [23950-58-5] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	04/06/10 23:36	DFM	
Pyrene [129-00-0] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	04/06/10 23:36	DFM	
Safrole [94-59-7] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	04/06/10 23:36	DFM	
Thionazin [297-97-2] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	04/06/10 23:36	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*89*	*1*	*100*	*89 %*	*10-179*	*0C24011*	*EPA 8270D*	*04/06/10 23:36*	*DFM*	
2-Fluorobiphenyl	*51*	*1*	*50.0*	*102 %*	*10-149*	*0C24011*	*EPA 8270D*	*04/06/10 23:36*	*DFM*	
2-Fluorophenol	*63*	*1*	*100*	*63 %*	*10-110*	*0C24011*	*EPA 8270D*	*04/06/10 23:36*	*DFM*	
Nitrobenzene-d5	*40*	*1*	*50.0*	*79 %*	*10-149*	*0C24011*	*EPA 8270D*	*04/06/10 23:36*	*DFM*	
Phenol-d5	*58*	*1*	*100*	*58 %*	*10-88*	*0C24011*	*EPA 8270D*	*04/06/10 23:36*	*DFM*	
Terphenyl-d14	*59*	*1*	*50.0*	*118 %*	*10-188*	*0C24011*	*EPA 8270D*	*04/06/10 23:36*	*DFM*	

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Description:	4501-MW5 (Background)	**Lab Sample ID:**	C003576-01	**Received:**	03/24/10 09:30
Matrix:	Ground Water	**Sampled:**	03/23/10 11:10	**Work Order:**	C003576
Project:	Henderson Co. LF	**Sampled By:**	David Reedy		

Organochlorine Pesticides by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
4,4'-DDD [72-54-8] ^	0.013	U	ug/L	1	0.013	0.050	0.1	EPA 8081B	03/28/10 15:52	JHH	
4,4'-DDE [72-55-9] ^	0.012	U	ug/L	1	0.012	0.050	0.1	EPA 8081B	03/28/10 15:52	JHH	
4,4'-DDT [50-29-3] ^	0.015	U	ug/L	1	0.015	0.050	0.1	EPA 8081B	03/28/10 15:52	JHH	
Aldrin [309-00-2] ^	0.012	U	ug/L	1	0.012	0.050	0.05	EPA 8081B	03/28/10 15:52	JHH	
alpha-BHC [319-84-6] ^	0.015	U	ug/L	1	0.015	0.050	0.05	EPA 8081B	03/28/10 15:52	JHH	
beta-BHC [319-85-7] ^	0.012	U	ug/L	1	0.012	0.050	0.05	EPA 8081B	03/28/10 15:52	JHH	
Chlordane (tech) [12789-03-6] ^	0.20	U	ug/L	1	0.20	0.50	0.5	EPA 8081B	03/28/10 15:52	JHH	
Chlordane-alpha [5103-71-9] ^	0.014	U	ug/L	1	0.014	0.050	NE	EPA 8081B	03/28/10 15:52	JHH	
Chlordane-gamma [5566-34-7] ^	0.012	U	ug/L	1	0.012	0.050	NE	EPA 8081B	03/28/10 15:52	JHH	
delta-BHC [319-86-8] ^	0.014	U	ug/L	1	0.014	0.050	0.05	EPA 8081B	03/28/10 15:52	JHH	
Dieldrin [60-57-1] ^	0.0089	U	ug/L	1	0.0089	0.050	0.075	EPA 8081B	03/28/10 15:52	JHH	
Endosulfan I [959-98-8] ^	0.016	U	ug/L	1	0.016	0.050	0.1	EPA 8081B	03/28/10 15:52	JHH	
Endosulfan II [33213-65-9] ^	0.012	U	ug/L	1	0.012	0.050	0.1	EPA 8081B	03/28/10 15:52	JHH	
Endosulfan sulfate [1031-07-8] ^	0.012	U	ug/L	1	0.012	0.050	0.1	EPA 8081B	03/28/10 15:52	JHH	
Endrin [72-20-8] ^	0.013	U	ug/L	1	0.013	0.050	0.1	EPA 8081B	03/28/10 15:52	JHH	
Endrin aldehyde [7421-93-4] ^	0.012	U	ug/L	1	0.012	0.050	0.1	EPA 8081B	03/28/10 15:52	JHH	
gamma-BHC [58-89-9] ^	0.016	U	ug/L	1	0.016	0.050	0.05	EPA 8081B	03/28/10 15:52	JHH	
Heptachlor [76-44-8] ^	0.012	U	ug/L	1	0.012	0.050	0.05	EPA 8081B	03/28/10 15:52	JHH	
Heptachlor epoxide [1024-57-3] ^	0.0089	U	ug/L	1	0.0089	0.050	0.075	EPA 8081B	03/28/10 15:52	JHH	
Methoxychlor [72-43-5] ^	0.016	U	ug/L	1	0.016	0.050	1	EPA 8081B	03/28/10 15:52	JHH	
Toxaphene [8001-35-2] ^	0.22	U	ug/L	1	0.22	0.50	1.5	EPA 8081B	03/28/10 15:52	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.54*	*1*	*1.00*	*54 %*	*44-134*	*0C25007*	*EPA 8081B*	*03/28/10 15:52*	*JHH*	
Decachlorobiphenyl	*0.52*	*1*	*1.00*	*52 %*	*37-149*	*0C25007*	*EPA 8081B*	*03/28/10 15:52*	*JHH*	

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Description:	4501-MW5 (Background)	**Lab Sample ID:**	C003576-01	**Received:**	03/24/10 09:30
Matrix:	Ground Water	**Sampled:**	03/23/10 11:10	**Work Order:**	C003576
Project:	Henderson Co. LF	**Sampled By:**	David Reedy		

Polychlorinated Biphenyls by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
PCB-1016/1242 [12674-11-2/53469-21-9] ^	0.19	U	ug/L	1	0.19	0.50	2	EPA 8082A	03/28/10 15:52	JHH	
PCB-1221 [11104-28-2] ^	0.046	U	ug/L	1	0.046	0.50	NE	EPA 8082A	03/28/10 15:52	JHH	
PCB-1232 [11141-16-5] ^	0.028	U	ug/L	1	0.028	0.50	NE	EPA 8082A	03/28/10 15:52	JHH	
PCB-1248 [12672-29-6] ^	0.014	U	ug/L	1	0.014	0.50	NE	EPA 8082A	03/28/10 15:52	JHH	
PCB-1254 [11097-69-1] ^	0.015	U	ug/L	1	0.015	0.50	NE	EPA 8082A	03/28/10 15:52	JHH	
PCB-1260 [11096-82-5] ^	0.13	U	ug/L	1	0.13	0.50	NE	EPA 8082A	03/28/10 15:52	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*1.1*	*1*	*1.00*	*110 %*	*45-151*	*0C25009*	*EPA 8082A*	*03/28/10 15:52*	*JHH*	
Decachlorobiphenyl	*1.0*	*1*	*1.00*	*100 %*	*42-159*	*0C25009*	*EPA 8082A*	*03/28/10 15:52*	*JHH*	

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Description:	4501-MW5 (Background)	**Lab Sample ID:**	C003576-01	**Received:**	03/24/10 09:30
Matrix:	Ground Water	**Sampled:**	03/23/10 11:10	**Work Order:**	C003576
Project:	Henderson Co. LF	**Sampled By:**	David Reedy		

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] ^	0.0540	U	ug/L	1	0.0540	0.200	0.2	EPA 7470A	03/24/10 16:19	NLH	

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Description: 4501-MW5 (Background)
Matrix: Ground Water
Project: Henderson Co. LF

Lab Sample ID: C003576-01
Sampled: 03/23/10 11:10
Sampled By: David Reedy

Received: 03/24/10 09:30
Work Order: C003576

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	03/25/10 13:25	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	03/26/10 10:50	JDH	
Barium [7440-39-3] ^	**28.2**	J	ug/L	1	1.00	10.0	100	EPA 6010C	03/26/10 10:50	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	03/26/10 10:50	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	03/26/10 10:50	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	03/26/10 10:50	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	03/26/10 10:50	JDH	
Copper [7440-50-8] ^	**1.84**	J	ug/L	1	1.60	10.0	10	EPA 6010C	03/26/10 10:50	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	03/26/10 10:50	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	03/26/10 10:50	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	03/25/10 13:25	VLO	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	03/26/10 10:50	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	03/25/10 13:25	VLO	
Tin [7440-31-5] ^	2.10	U	ug/L	1	2.10	10.0	100	EPA 6010C	03/26/10 10:50	JDH	
Vanadium [7440-62-2] ^	**1.75**	J	ug/L	1	1.40	10.0	25	EPA 6010C	03/26/10 10:50	JDH	
Zinc [7440-66-6] ^	**9.18**	J	ug/L	1	3.80	10.0	10	EPA 6010C	03/26/10 10:50	JDH	

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Description:	4501-MW5 (Background)	**Lab Sample ID:**	C003576-01	**Received:**	03/24/10 09:30
Matrix:	Ground Water	**Sampled:**	03/23/10 11:10	**Work Order:**	C003576
Project:	Henderson Co. LF	**Sampled By:**	David Reedy		

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Cyanide (total) [57-12-5] ^	0.005	U	mg/L	1	0.005	0.005	10	EPA 335.4	03/29/10 16:15	AJB	
Sulfide [18496-25-8] ^	0.031	U	mg/L	1	0.031	0.10	1000	SM18 4500-S D	03/29/10 14:36	JOC	

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Description:	4501-MW5 (Background)	**Lab Sample ID:**	C003576-01	**Received:**	03/24/10 09:30
Matrix:	Ground Water	**Sampled:**	03/23/10 11:10	**Work Order:**	C003576
Project:	Henderson Co. LF	**Sampled By:**	David Reedy		

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
2,4,5-T [93-76-5] ^	0.053	U	ug/L	1	0.053	0.50	2	EPA 8151A	03/26/10 21:11	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.056	U	ug/L	1	0.056	0.50	2	EPA 8151A	03/26/10 21:11	RGG	
2,4-D [94-75-7] ^	0.091	U	ug/L	1	0.091	0.50	2	EPA 8151A	03/26/10 21:11	RGG	
Dinoseb [88-85-7] ^	0.28	U	ug/L	1	0.28	0.50	1	EPA 8151A	03/26/10 21:11	RGG	
Pentachlorophenol [87-86-5] ^	0.043	U	ug/L	1	0.043	0.50	25	EPA 8151A	03/26/10 21:11	RGG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*2.0*	*1*	*2.00*	*101 %*	*68-139*	*0C25009*	*EPA 8151A*	*03/26/10 21:11*	*RGG*	

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

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Description: 4501-MW7
Matrix: Ground Water
Project: Henderson Co. LF

Lab Sample ID: C003576-02
Sampled: 03/23/10 11:40
Sampled By: David Reedy

Received: 03/24/10 09:30
Work Order: C003576

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	03/26/10 18:51	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/26/10 18:51	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	03/26/10 18:51	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	03/26/10 18:51	JKG	
1,1-Dichloroethane [75-34-3] ^	**0.64**	J	ug/L	1	0.050	1.0	5	EPA 8260B	03/26/10 18:51	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	03/26/10 18:51	JKG	
1,1-Dichloropropene [563-58-6] ^	0.063	U	ug/L	1	0.063	1.0	5	EPA 8260B	03/26/10 18:51	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/26/10 18:51	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.097	U	ug/L	1	0.097	1.0	10	EPA 8260B	03/26/10 18:51	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	03/26/10 18:51	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	03/26/10 18:51	JKG	
1,2-Dichlorobenzene [95-50-1] ^	**0.49**	J	ug/L	1	0.052	1.0	5	EPA 8260B	03/26/10 18:51	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	03/26/10 18:51	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	03/26/10 18:51	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.092	U	ug/L	1	0.092	1.0	5	EPA 8260B	03/26/10 18:51	JKG	
1,3-Dichloropropane [142-28-9] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/26/10 18:51	JKG	
1,4-Dichlorobenzene [106-46-7] ^	**9.8**		ug/L	1	0.10	1.0	1	EPA 8260B	03/26/10 18:51	JKG	
2,2-Dichloropropane [594-20-7] ^	0.12	U	ug/L	1	0.12	1.0	15	EPA 8260B	03/26/10 18:51	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	03/26/10 18:51	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	03/26/10 18:51	JKG	
3-Chloropropene [107-05-1] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	03/26/10 18:51	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	03/26/10 18:51	JKG	
Acetone [67-64-1] ^	**55**	J	ug/L	1	1.5	5.0	100	EPA 8260B	03/26/10 18:51	JKG	
Acetonitrile [75-05-8] ^	2.8	U	ug/L	1	2.8	10	55	EPA 8260B	03/26/10 18:51	JKG	
Acrolein [107-02-8] ^	3.0	U	ug/L	1	3.0	10	53	EPA 8260B	03/26/10 18:51	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	03/26/10 18:51	JKG	
Benzene [71-43-2] ^	**1.4**		ug/L	1	0.050	1.0	1	EPA 8260B	03/26/10 18:51	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	03/26/10 18:51	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	03/26/10 18:51	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	03/26/10 18:51	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	03/26/10 18:51	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	03/26/10 18:51	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	03/26/10 18:51	JKG	
Chlorobenzene [108-90-7] ^	**6.4**		ug/L	1	0.069	1.0	3	EPA 8260B	03/26/10 18:51	JKG	
Chloroethane [75-00-3] ^	0.18	U	ug/L	1	0.18	1.0	10	EPA 8260B	03/26/10 18:51	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	03/26/10 18:51	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	03/26/10 18:51	JKG	
Chloroprene [126-99-8] ^	0.24	U	ug/L	1	0.24	1.0	20	EPA 8260B	03/26/10 18:51	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	**7.0**		ug/L	1	0.075	1.0	5	EPA 8260B	03/26/10 18:51	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	03/26/10 18:51	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	03/26/10 18:51	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	03/26/10 18:51	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	03/26/10 18:51	JKG	
Ethyl Methacrylate [97-63-2] ^	0.32	U	ug/L	1	0.32	1.0	10	EPA 8260B	03/26/10 18:51	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	03/26/10 18:51	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	03/26/10 18:51	JKG	

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Description: 4501-MW7
Matrix: Ground Water
Project: Henderson Co. LF

Lab Sample ID: C003576-02
Sampled: 03/23/10 11:40
Sampled By: David Reedy

Received: 03/24/10 09:30
Work Order: C003576

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Isobutyl alcohol [78-83-1] ^	14	U	ug/L	1	14	50	100	EPA 8260B	03/26/10 18:51	JKG	
Methacrylonitrile [126-98-7] ^	2.8	U	ug/L	1	2.8	10	100	EPA 8260B	03/26/10 18:51	JKG	
Methyl Methacrylate [80-62-6] ^	0.53	U	ug/L	1	0.53	1.0	30	EPA 8260B	03/26/10 18:51	JKG	
Methylene chloride [75-09-2] ^	0.070	U	ug/L	1	0.070	1.0	1	EPA 8260B	03/26/10 18:51	JKG	
Naphthalene [91-20-3] ^	0.086	U	ug/L	1	0.086	1.0	10	EPA 8260B	03/26/10 18:51	JKG	
Propionitrile [107-12-0] ^	4.8	U	ug/L	1	4.8	10	150	EPA 8260B	03/26/10 18:51	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	03/26/10 18:51	JKG	
Tetrachloroethene [127-18-4] ^	0.099	U	ug/L	1	0.099	1.0	1	EPA 8260B	03/26/10 18:51	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	03/26/10 18:51	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	03/26/10 18:51	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	03/26/10 18:51	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	03/26/10 18:51	JKG	
Trichloroethene [79-01-6] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	03/26/10 18:51	JKG	
Trichlorofluoromethane [75-69-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/26/10 18:51	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	03/26/10 18:51	JKG	
Vinyl chloride [75-01-4] ^	**1.2**		ug/L	1	0.083	1.0	1	EPA 8260B	03/26/10 18:51	JKG	
Xylenes (Total) [1330-20-7] ^	0.22	U	ug/L	1	0.22	1.0	5	EPA 8260B	03/26/10 18:51	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*36*	*1*	*50.0*	*72 %*	*51-122*	*0C26006*	*EPA 8260B*	*03/26/10 18:51*	*JKG*	
Dibromofluoromethane	*41*	*1*	*50.0*	*83 %*	*68-117*	*0C26006*	*EPA 8260B*	*03/26/10 18:51*	*JKG*	
Toluene-d8	*44*	*1*	*50.0*	*87 %*	*69-110*	*0C26006*	*EPA 8260B*	*03/26/10 18:51*	*JKG*	

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
1,2,4,5-Tetrachlorobenzene [95-94-3]	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	04/07/10 00:06	DFM	
1,3,5-Trinitrobenzene [99-35-4]	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	04/07/10 00:06	DFM	
1,3-Dinitrobenzene [99-65-0]	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	04/07/10 00:06	DFM	
1,4-Naphthoquinone [130-15-4]	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	04/07/10 00:06	DFM	
1,4-Phenylenediamine [106-50-3]	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	04/07/10 00:06	DFM	
1-Naphthylamine [134-32-7]	2.5	U	ug/L	1	2.5	10	10	EPA 8270D	04/07/10 00:06	DFM	
2,3,4,6-Tetrachlorophenol [58-90-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	04/07/10 00:06	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	04/07/10 00:06	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	04/07/10 00:06	DFM	
2,4-Dichlorophenol [120-83-2] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	04/07/10 00:06	DFM	
2,4-Dimethylphenol [105-67-9] ^	2.6	U	ug/L	1	2.6	10	10	EPA 8270D	04/07/10 00:06	DFM	
2,4-Dinitrophenol [51-28-5] ^	2.6	U	ug/L	1	2.6	10	50	EPA 8270D	04/07/10 00:06	DFM	
2,4-Dinitrotoluene [121-14-2] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	04/07/10 00:06	DFM	
2,6-Dichlorophenol [87-65-0] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	04/07/10 00:06	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	04/07/10 00:06	DFM	
2-Acetylaminofluorene [53-96-3]	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	04/07/10 00:06	DFM	
2-Chloronaphthalene [91-58-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	04/07/10 00:06	DFM	
2-Chlorophenol [95-57-8] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	04/07/10 00:06	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	1.9	U	ug/L	1	1.9	10	50	EPA 8270D	04/07/10 00:06	DFM	
2-Methylnaphthalene [91-57-6] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	04/07/10 00:06	DFM	

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Description: 4501-MW7
Matrix: Ground Water
Project: Henderson Co. LF

Lab Sample ID: C003576-02
Sampled: 03/23/10 11:40
Sampled By: David Reedy

Received: 03/24/10 09:30
Work Order: C003576

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
2-Methylphenol [95-48-7] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	04/07/10 00:06	DFM	
2-Naphthylamine [91-59-8]	4.0	U	ug/L	1	4.0	10	10	EPA 8270D	04/07/10 00:06	DFM	
2-Nitroaniline [88-74-4] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270D	04/07/10 00:06	DFM	
2-Nitrophenol [88-75-5] ^	2.3	U	ug/L	1	2.3	10	10	EPA 8270D	04/07/10 00:06	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270D	04/07/10 00:06	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	1.7	U	ug/L	1	1.7	10	20	EPA 8270D	04/07/10 00:06	DFM	
3,3'-Dimethylbenzidine [119-93-7] ^	3.0	U	ug/L	1	3.0	10	10	EPA 8270D	04/07/10 00:06	DFM	
3-Methylcholanthrene [56-49-5]	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	04/07/10 00:06	DFM	
3-Nitroaniline [99-09-2] ^	1.6	U	ug/L	1	1.6	10	50	EPA 8270D	04/07/10 00:06	DFM	
4-Aminobiphenyl [92-67-1]	3.1	U	ug/L	1	3.1	10	20	EPA 8270D	04/07/10 00:06	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	04/07/10 00:06	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.6	U	ug/L	1	1.6	10	20	EPA 8270D	04/07/10 00:06	DFM	
4-Chloroaniline [106-47-8] ^	1.6	U	ug/L	1	1.6	10	20	EPA 8270D	04/07/10 00:06	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	04/07/10 00:06	DFM	
4-Nitroaniline [100-01-6] ^	1.3	U	ug/L	1	1.3	10	20	EPA 8270D	04/07/10 00:06	DFM	
4-Nitrophenol [100-02-7] ^	1.2	U	ug/L	1	1.2	10	50	EPA 8270D	04/07/10 00:06	DFM	
5-Nitro-o-toluidine [99-55-8]	0.60	U	ug/L	1	0.60	10	10	EPA 8270D	04/07/10 00:06	DFM	
7,12-Dimethylbenz(a)anthracene [57-97-6]	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	04/07/10 00:06	DFM	
Acenaphthene [83-32-9] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	04/07/10 00:06	DFM	
Acenaphthylene [208-96-8] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	04/07/10 00:06	DFM	
Acetophenone [98-86-2]	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	04/07/10 00:06	DFM	
Anthracene [120-12-7] ^	0.64	U	ug/L	1	0.64	10	10	EPA 8270D	04/07/10 00:06	DFM	
Benzo(a)anthracene [56-55-3] ^	0.76	U	ug/L	1	0.76	10	10	EPA 8270D	04/07/10 00:06	DFM	
Benzo(a)pyrene [50-32-8] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	04/07/10 00:06	DFM	
Benzo(b)fluoranthene [205-99-2] ^	0.78	U	ug/L	1	0.78	10	10	EPA 8270D	04/07/10 00:06	DFM	
Benzo(g,h,i)perylene [191-24-2] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	04/07/10 00:06	DFM	
Benzo(k)fluoranthene [207-08-9] ^	0.77	U	ug/L	1	0.77	10	10	EPA 8270D	04/07/10 00:06	DFM	
Benzyl alcohol [100-51-6] ^	2.0	U	ug/L	1	2.0	10	20	EPA 8270D	04/07/10 00:06	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	04/07/10 00:06	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	04/07/10 00:06	DFM	
Bis(2-chloroisopropyl)ether [108-60-1] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270D	04/07/10 00:06	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	2.6	U	ug/L	1	2.6	5.0	15	EPA 8270D	04/07/10 00:06	DFM	
Butylbenzylphthalate [85-68-7] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	04/07/10 00:06	DFM	
Chlorobenzilate [510-15-6]	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	04/07/10 00:06	DFM	
Chrysene [218-01-9] ^	0.92	U	ug/L	1	0.92	10	10	EPA 8270D	04/07/10 00:06	DFM	
Diallate [2303-16-4]	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	04/07/10 00:06	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270D	04/07/10 00:06	DFM	
Dibenzofuran [132-64-9] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	04/07/10 00:06	DFM	
Diethylphthalate [84-66-2] ^	0.61	U	ug/L	1	0.61	10	10	EPA 8270D	04/07/10 00:06	DFM	
Dimethoate [60-51-5]	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	04/07/10 00:06	DFM	
Dimethylphthalate [131-11-3] ^	0.79	U	ug/L	1	0.79	10	10	EPA 8270D	04/07/10 00:06	DFM	
Di-n-butylphthalate [84-74-2] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	04/07/10 00:06	DFM	
Di-n-octylphthalate [117-84-0] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	04/07/10 00:06	DFM	
Disulfoton [298-04-4]	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	04/07/10 00:06	DFM	
Ethyl methanesulfonate [62-50-0] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270D	04/07/10 00:06	DFM	
Famphur [52-85-7] ^	1.8	U	ug/L	1	1.8	10	20	EPA 8270D	04/07/10 00:06	DFM	

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Description: 4501-MW7
Matrix: Ground Water
Project: Henderson Co. LF

Lab Sample ID: C003576-02
Sampled: 03/23/10 11:40
Sampled By: David Reedy

Received: 03/24/10 09:30
Work Order: C003576

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Fluoranthene [206-44-0] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	04/07/10 00:06	DFM	
Fluorene [86-73-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	04/07/10 00:06	DFM	
Hexachlorobenzene [118-74-1] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	04/07/10 00:06	DFM	
Hexachlorobutadiene [87-68-3] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	04/07/10 00:06	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	04/07/10 00:06	DFM	
Hexachloroethane [67-72-1] ^	0.97	U	ug/L	1	0.97	10	10	EPA 8270D	04/07/10 00:06	DFM	
Hexachloropropene [1888-71-7] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	04/07/10 00:06	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	1.7	U	ug/L	1	1.7	10	10	EPA 8270D	04/07/10 00:06	DFM	
Isodrin [465-73-6] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	04/07/10 00:06	DFM	
Isophorone [78-59-1] ^	1.6	U	ug/L	1	1.6	10	10	EPA 8270D	04/07/10 00:06	DFM	
Isosafrole [120-58-1] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	04/07/10 00:06	DFM	
Kepone [143-50-0]	1.5	U	ug/L	1	1.5	20	20	EPA 8270D	04/07/10 00:06	DFM	
Methapyrilene [91-80-5] ^	3.8	U	ug/L	1	3.8	10	100	EPA 8270D	04/07/10 00:06	DFM	
Methyl Methanesulfonate [66-27-3] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	04/07/10 00:06	DFM	
Methyl parathion [298-00-0] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	04/07/10 00:06	DFM	
Nitrobenzene [98-95-3] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	04/07/10 00:06	DFM	
N-Nitrosodiethylamine [55-18-5] ^	1.9	U	ug/L	1	1.9	10	20	EPA 8270D	04/07/10 00:06	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.4	U	ug/L	1	1.4	10	10	EPA 8270D	04/07/10 00:06	DFM	
N-Nitrosodi-n-butylamine [924-16-3] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	04/07/10 00:06	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	1.8	U	ug/L	1	1.8	10	10	EPA 8270D	04/07/10 00:06	DFM	
N-nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	1.1	U	ug/L	1	1.1	10	10	EPA 8270D	04/07/10 00:06	DFM	
N-Nitrosomethylethylamine [10595-95-6] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	04/07/10 00:06	DFM	
N-Nitrosopiperidine [100-75-4] ^	1.5	U	ug/L	1	1.5	10	20	EPA 8270D	04/07/10 00:06	DFM	
N-Nitrosopyrrolidine [930-55-2] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	04/07/10 00:06	DFM	
O,O,O-Triethyl phosphorothioate [126-68-1] ^	2.0	U	ug/L	1	2.0	10	10	EPA 8270D	04/07/10 00:06	DFM	
o-Toluidine [95-53-4] ^	1.5	U	ug/L	1	1.5	10	10	EPA 8270D	04/07/10 00:06	DFM	
Parathion [56-38-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	04/07/10 00:06	DFM	
p-Dimethylaminoazobenzene [60-11-7]	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	04/07/10 00:06	DFM	
Pentachlorobenzene [608-93-5] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	04/07/10 00:06	DFM	
Pentachloronitrobenzene [82-68-8] ^	1.1	U	ug/L	1	1.1	10	20	EPA 8270D	04/07/10 00:06	DFM	
Phenacetin [62-44-2] ^	1.0	U	ug/L	1	1.0	10	20	EPA 8270D	04/07/10 00:06	DFM	
Phenanthrene [85-01-8] ^	0.74	U	ug/L	1	0.74	10	10	EPA 8270D	04/07/10 00:06	DFM	
Phenol [108-95-2] ^	1.2	U	ug/L	1	1.2	10	10	EPA 8270D	04/07/10 00:06	DFM	
Phorate [298-02-2] ^	4.1	U	ug/L	1	4.1	10	10	EPA 8270D	04/07/10 00:06	DFM	
Pronamide [23950-58-5] ^	1.0	U	ug/L	1	1.0	10	10	EPA 8270D	04/07/10 00:06	DFM	
Pyrene [129-00-0] ^	1.3	U	ug/L	1	1.3	10	10	EPA 8270D	04/07/10 00:06	DFM	
Safrole [94-59-7] ^	1.9	U	ug/L	1	1.9	10	10	EPA 8270D	04/07/10 00:06	DFM	
Thionazin [297-97-2] ^	1.2	U	ug/L	1	1.2	10	20	EPA 8270D	04/07/10 00:06	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*97*	*1*	*100*	*97 %*	*10-179*	*0C24011*	*EPA 8270D*	*04/07/10 00:06*	*DFM*	
2-Fluorobiphenyl	*47*	*1*	*50.0*	*94 %*	*10-149*	*0C24011*	*EPA 8270D*	*04/07/10 00:06*	*DFM*	
2-Fluorophenol	*61*	*1*	*100*	*61 %*	*10-110*	*0C24011*	*EPA 8270D*	*04/07/10 00:06*	*DFM*	
Nitrobenzene-d5	*40*	*1*	*50.0*	*80 %*	*10-149*	*0C24011*	*EPA 8270D*	*04/07/10 00:06*	*DFM*	
Phenol-d5	*54*	*1*	*100*	*54 %*	*10-88*	*0C24011*	*EPA 8270D*	*04/07/10 00:06*	*DFM*	
Terphenyl-d14	*49*	*1*	*50.0*	*98 %*	*10-188*	*0C24011*	*EPA 8270D*	*04/07/10 00:06*	*DFM*	

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Description: 4501-MW7
Matrix: Ground Water
Project: Henderson Co. LF

Lab Sample ID: C003576-02
Sampled: 03/23/10 11:40
Sampled By: David Reedy

Received: 03/24/10 09:30
Work Order: C003576

Organochlorine Pesticides by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
4,4'-DDD [72-54-8] ^	0.013	U	ug/L	1	0.013	0.050	0.1	EPA 8081B	03/28/10 16:05	JHH	
4,4'-DDE [72-55-9] ^	0.012	U	ug/L	1	0.012	0.050	0.1	EPA 8081B	03/28/10 16:05	JHH	
4,4'-DDT [50-29-3] ^	0.015	U	ug/L	1	0.015	0.050	0.1	EPA 8081B	03/28/10 16:05	JHH	
Aldrin [309-00-2] ^	0.012	U	ug/L	1	0.012	0.050	0.05	EPA 8081B	03/28/10 16:05	JHH	
alpha-BHC [319-84-6] ^	0.015	U	ug/L	1	0.015	0.050	0.05	EPA 8081B	03/28/10 16:05	JHH	
beta-BHC [319-85-7] ^	0.012	U	ug/L	1	0.012	0.050	0.05	EPA 8081B	03/28/10 16:05	JHH	
Chlordane (tech) [12789-03-6] ^	0.20	U	ug/L	1	0.20	0.50	0.5	EPA 8081B	03/28/10 16:05	JHH	
Chlordane-alpha [5103-71-9] ^	0.014	U	ug/L	1	0.014	0.050	NE	EPA 8081B	03/28/10 16:05	JHH	
Chlordane-gamma [5566-34-7] ^	0.012	U	ug/L	1	0.012	0.050	NE	EPA 8081B	03/28/10 16:05	JHH	
delta-BHC [319-86-8] ^	0.014	U	ug/L	1	0.014	0.050	0.05	EPA 8081B	03/28/10 16:05	JHH	
Dieldrin [60-57-1] ^	0.0089	U	ug/L	1	0.0089	0.050	0.075	EPA 8081B	03/28/10 16:05	JHH	
Endosulfan I [959-98-8] ^	0.016	U	ug/L	1	0.016	0.050	0.1	EPA 8081B	03/28/10 16:05	JHH	
Endosulfan II [33213-65-9] ^	0.012	U	ug/L	1	0.012	0.050	0.1	EPA 8081B	03/28/10 16:05	JHH	
Endosulfan sulfate [1031-07-8] ^	0.012	U	ug/L	1	0.012	0.050	0.1	EPA 8081B	03/28/10 16:05	JHH	
Endrin [72-20-8] ^	0.013	U	ug/L	1	0.013	0.050	0.1	EPA 8081B	03/28/10 16:05	JHH	
Endrin aldehyde [7421-93-4] ^	0.012	U	ug/L	1	0.012	0.050	0.1	EPA 8081B	03/28/10 16:05	JHH	
gamma-BHC [58-89-9] ^	0.016	U	ug/L	1	0.016	0.050	0.05	EPA 8081B	03/28/10 16:05	JHH	
Heptachlor [76-44-8] ^	0.012	U	ug/L	1	0.012	0.050	0.05	EPA 8081B	03/28/10 16:05	JHH	
Heptachlor epoxide [1024-57-3] ^	0.0089	U	ug/L	1	0.0089	0.050	0.075	EPA 8081B	03/28/10 16:05	JHH	
Methoxychlor [72-43-5] ^	0.016	U	ug/L	1	0.016	0.050	1	EPA 8081B	03/28/10 16:05	JHH	
Toxaphene [8001-35-2] ^	0.22	U	ug/L	1	0.22	0.50	1.5	EPA 8081B	03/28/10 16:05	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*0.70*	*1*	*1.00*	*70 %*	*44-134*	*0C25007*	*EPA 8081B*	*03/28/10 16:05*	*JHH*	
Decachlorobiphenyl	*0.60*	*1*	*1.00*	*60 %*	*37-149*	*0C25007*	*EPA 8081B*	*03/28/10 16:05*	*JHH*	

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Description:	4501-MW7	**Lab Sample ID:**	C003576-02	**Received:**	03/24/10 09:30
Matrix:	Ground Water	**Sampled:**	03/23/10 11:40	**Work Order:**	C003576
Project:	Henderson Co. LF	**Sampled By:**	David Reedy		

Polychlorinated Biphenyls by GC

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
PCB-1016/1242 [12674-11-2/53469-21-9] ^	0.19	U	ug/L	1	0.19	0.50	2	EPA 8082A	03/28/10 16:05	JHH	
PCB-1221 [11104-28-2] ^	0.046	U	ug/L	1	0.046	0.50	NE	EPA 8082A	03/28/10 16:05	JHH	
PCB-1232 [11141-16-5] ^	0.028	U	ug/L	1	0.028	0.50	NE	EPA 8082A	03/28/10 16:05	JHH	
PCB-1248 [12672-29-6] ^	0.014	U	ug/L	1	0.014	0.50	NE	EPA 8082A	03/28/10 16:05	JHH	
PCB-1254 [11097-69-1] ^	0.015	U	ug/L	1	0.015	0.50	NE	EPA 8082A	03/28/10 16:05	JHH	
PCB-1260 [11096-82-5] ^	0.13	U	ug/L	1	0.13	0.50	NE	EPA 8082A	03/28/10 16:05	JHH	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,5,6-TCMX	*1.4*	*1*	*1.00*	*140 %*	*45-151*	*0C25009*	*EPA 8082A*	*03/28/10 16:05*	*JHH*	
Decachlorobiphenyl	*1.2*	*1*	*1.00*	*120 %*	*42-159*	*0C25009*	*EPA 8082A*	*03/28/10 16:05*	*JHH*	

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Description:	4501-MW7	**Lab Sample ID:**	C003576-02	**Received:**	03/24/10 09:30
Matrix:	Ground Water	**Sampled:**	03/23/10 11:40	**Work Order:**	C003576
Project:	Henderson Co. LF	**Sampled By:**	David Reedy		

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] ^	0.0540	U	ug/L	1	0.0540	0.200	0.2	EPA 7470A	03/24/10 16:27	NLH	

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Description: 4501-MW7
Matrix: Ground Water
Project: Henderson Co. LF

Lab Sample ID: C003576-02
Sampled: 03/23/10 11:40
Sampled By: David Reedy

Received: 03/24/10 09:30
Work Order: C003576

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	03/25/10 13:55	VLO	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	03/26/10 10:52	JDH	
Barium [7440-39-3] ^	**268**		ug/L	1	1.00	10.0	100	EPA 6010C	03/26/10 10:52	JDH	
Beryllium [7440-41-7] ^	**0.635**	J	ug/L	1	0.100	1.00	1	EPA 6010C	03/26/10 10:52	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	03/26/10 10:52	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	03/26/10 10:52	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	03/26/10 10:52	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	03/26/10 10:52	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	03/26/10 10:52	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	03/26/10 10:52	JDH	
Selenium [7782-49-2] ^	2.70	U	ug/L	1	2.70	10.0	10	EPA 6010C	03/26/10 10:52	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	03/26/10 10:52	JDH	
Thallium [7440-28-0] ^	**0.118**	J	ug/L	1	0.110	1.00	5.5	EPA 6020A	03/25/10 13:55	VLO	
Tin [7440-31-5] ^	2.10	U	ug/L	1	2.10	10.0	100	EPA 6010C	03/26/10 10:52	JDH	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	03/26/10 10:52	JDH	
Zinc [7440-66-6] ^	**8.52**	J	ug/L	1	3.80	10.0	10	EPA 6010C	03/26/10 10:52	JDH	

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Description:	4501-MW7	**Lab Sample ID:**	C003576-02	**Received:**	03/24/10 09:30
Matrix:	Ground Water	**Sampled:**	03/23/10 11:40	**Work Order:**	C003576
Project:	Henderson Co. LF	**Sampled By:**	David Reedy		

Classical Chemistry Parameters

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
Cyanide (total) [57-12-5] ^	0.005	U	mg/L	1	0.005	0.005	10	EPA 335.4	03/29/10 16:16	AJB	
Sulfide [18496-25-8] ^	0.031	U	mg/L	1	0.031	0.10	1000	SM18 4500-S D	03/29/10 14:36	JOC	

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Description:	4501-MW7	**Lab Sample ID:**	C003576-02	**Received:**	03/24/10 09:30
Matrix:	Ground Water	**Sampled:**	03/23/10 11:40	**Work Order:**	C003576
Project:	Henderson Co. LF	**Sampled By:**	David Reedy		

Chlorinated Herbicides by GC

^ - ENCO Orlando certified analyte [NC 424]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	NC SWSL	Method	Analyzed	By	Notes
2,4,5-T [93-76-5] ^	0.053	U	ug/L	1	0.053	0.50	2	EPA 8151A	03/26/10 21:35	RGG	
2,4,5-TP (Silvex) [93-72-1] ^	0.056	U	ug/L	1	0.056	0.50	2	EPA 8151A	03/26/10 21:35	RGG	
2,4-D [94-75-7] ^	0.091	U	ug/L	1	0.091	0.50	2	EPA 8151A	03/26/10 21:35	RGG	
Dinoseb [88-85-7] ^	0.28	U	ug/L	1	0.28	0.50	1	EPA 8151A	03/26/10 21:35	RGG	
Pentachlorophenol [87-86-5] ^	0.043	U	ug/L	1	0.043	0.50	25	EPA 8151A	03/26/10 21:35	RGG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4-DCAA	*1.9*	*1*	*2.00*	*96 %*	*68-139*	*0C25009*	*EPA 8151A*	*03/26/10 21:35*	*RGG*	

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

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0C25003 - EPA 5030B_MS

Blank (0C25003-BLK1) Prepared: 03/25/2010 07:59 Analyzed: 03/25/2010 17:16

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.091	U	1.0	ug/L							
1,1,1-Trichloroethane	0.15	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.085	U	1.0	ug/L							
1,1,2-Trichloroethane	0.068	U	1.0	ug/L							
1,1-Dichloroethane	0.050	U	1.0	ug/L							
1,1-Dichloroethene	0.15	U	1.0	ug/L							
1,1-Dichloropropene	0.063	U	1.0	ug/L							
1,2,3-Trichloropropane	0.15	U	1.0	ug/L							
1,2,4-Trichlorobenzene	0.097	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	0.052	U	1.0	ug/L							
1,2-Dichloroethane	0.082	U	1.0	ug/L							
1,2-Dichloropropane	0.098	U	1.0	ug/L							
1,3-Dichlorobenzene	0.092	U	1.0	ug/L							
1,3-Dichloropropane	0.15	U	1.0	ug/L							
1,4-Dichlorobenzene	0.10	U	1.0	ug/L							
2,2-Dichloropropane	0.12	U	1.0	ug/L							
2-Butanone	1.0	U	5.0	ug/L							
2-Hexanone	0.69	U	5.0	ug/L							
3-Chloropropene	0.28	U	1.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.5	U	5.0	ug/L							
Acetonitrile	2.8	U	10	ug/L							
Acrolein	3.0	U	10	ug/L							
Acrylonitrile	2.1	U	10	ug/L							
Benzene	0.050	U	1.0	ug/L							
Bromochloromethane	0.11	U	1.0	ug/L							
Bromodichloromethane	0.10	U	1.0	ug/L							
Bromoform	0.20	U	1.0	ug/L							
Bromomethane	0.28	U	1.0	ug/L							
Carbon disulfide	0.54	U	5.0	ug/L							
Carbon tetrachloride	0.082	U	1.0	ug/L							
Chlorobenzene	0.069	U	1.0	ug/L							
Chloroethane	0.18	U	1.0	ug/L							
Chloroform	0.083	U	1.0	ug/L							
Chloromethane	0.050	U	1.0	ug/L							
Chloroprene	0.24	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.075	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.073	U	1.0	ug/L							
Dibromochloromethane	0.067	U	1.0	ug/L							
Dibromomethane	0.13	U	1.0	ug/L							
Dichlorodifluoromethane	0.091	U	1.0	ug/L							
Ethyl Methacrylate	0.32	U	1.0	ug/L							
Ethylbenzene	0.10	U	1.0	ug/L							
Iodomethane	0.52	U	5.0	ug/L							
Isobutyl alcohol	14	U	50	ug/L							
Methacrylonitrile	2.8	U	10	ug/L							
Methyl Methacrylate	0.53	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0C25003 - EPA 5030B_MS

Blank (0C25003-BLK1) Continued Prepared: 03/25/2010 07:59 Analyzed: 03/25/2010 17:16

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Methylene chloride	0.070	U	1.0	ug/L							
Naphthalene	0.086	U	1.0	ug/L							
Propionitrile	4.8	U	10	ug/L							
Styrene	0.082	U	1.0	ug/L							
Tetrachloroethene	0.099	U	1.0	ug/L							
Toluene	0.053	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.11	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.080	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.54	U	1.0	ug/L							
Trichloroethene	0.13	U	1.0	ug/L							
Trichlorofluoromethane	0.15	U	1.0	ug/L							
Vinyl acetate	0.98	U	5.0	ug/L							
Vinyl chloride	0.083	U	1.0	ug/L							
Xylenes (Total)	0.22	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*36*			*ug/L*	*50.0*		*72*	*51-122*			
Surrogate: Dibromofluoromethane	*43*			*ug/L*	*50.0*		*85*	*68-117*			
Surrogate: Toluene-d8	*43*			*ug/L*	*50.0*		*86*	*69-110*			

LCS (0C25003-BS1) Prepared: 03/25/2010 07:59 Analyzed: 03/25/2010 17:46

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		96	75-133			
Benzene	20		1.0	ug/L	20.0		100	81-134			
Chlorobenzene	20		1.0	ug/L	20.0		100	83-117			
Toluene	19		1.0	ug/L	20.0		96	71-118			
Trichloroethene	23		1.0	ug/L	20.0		113	75-115			

Matrix Spike (0C25003-MS1) Prepared: 03/25/2010 07:59 Analyzed: 03/25/2010 18:15

Source: C002398-01RE1

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0	0.15 U	110	75-133			
Benzene	22		1.0	ug/L	20.0	0.45	106	81-134			
Chlorobenzene	22		1.0	ug/L	20.0	0.069 U	108	83-117			
Toluene	20		1.0	ug/L	20.0	0.053 U	102	71-118			
Trichloroethene	24		1.0	ug/L	20.0	0.13 U	120	75-115			QM-07

Matrix Spike Dup (0C25003-MSD1) Prepared: 03/25/2010 07:59 Analyzed: 03/25/2010 18:44

Source: C002398-01RE1

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	23		1.0	ug/L	20.0	0.15 U	115	75-133	4	20	
Benzene	22		1.0	ug/L	20.0	0.45	110	81-134	4	17	
Chlorobenzene	21		1.0	ug/L	20.0	0.069 U	107	83-117	0.3	16	
Toluene	21		1.0	ug/L	20.0	0.053 U	103	71-118	1	17	
Trichloroethene	25		1.0	ug/L	20.0	0.13 U	126	75-115	5	18	QM-07

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0C26006 - EPA 5030B_MS

Blank (0C26006-BLK1) Prepared: 03/26/2010 09:19 Analyzed: 03/26/2010 14:27

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.091	U	1.0	ug/L							
1,1,1-Trichloroethane	0.15	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.085	U	1.0	ug/L							
1,1,2-Trichloroethane	0.068	U	1.0	ug/L							
1,1-Dichloroethane	0.050	U	1.0	ug/L							
1,1-Dichloroethene	0.15	U	1.0	ug/L							
1,1-Dichloropropene	0.063	U	1.0	ug/L							
1,2,3-Trichloropropane	0.15	U	1.0	ug/L							
1,2,4-Trichlorobenzene	0.097	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	0.052	U	1.0	ug/L							
1,2-Dichloroethane	0.082	U	1.0	ug/L							
1,2-Dichloropropane	0.098	U	1.0	ug/L							
1,3-Dichlorobenzene	0.092	U	1.0	ug/L							
1,3-Dichloropropane	0.15	U	1.0	ug/L							
1,4-Dichlorobenzene	0.10	U	1.0	ug/L							
2,2-Dichloropropane	0.12	U	1.0	ug/L							
2-Butanone	1.0	U	5.0	ug/L							
2-Hexanone	0.69	U	5.0	ug/L							
3-Chloropropene	0.28	U	1.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.5	U	5.0	ug/L							
Acetonitrile	2.8	U	10	ug/L							
Acrolein	3.0	U	10	ug/L							
Acrylonitrile	2.1	U	10	ug/L							
Benzene	0.050	U	1.0	ug/L							
Bromochloromethane	0.11	U	1.0	ug/L							
Bromodichloromethane	0.10	U	1.0	ug/L							
Bromoform	0.20	U	1.0	ug/L							
Bromomethane	0.28	U	1.0	ug/L							
Carbon disulfide	0.54	U	5.0	ug/L							
Carbon tetrachloride	0.082	U	1.0	ug/L							
Chlorobenzene	0.069	U	1.0	ug/L							
Chloroethane	0.18	U	1.0	ug/L							
Chloroform	0.083	U	1.0	ug/L							
Chloromethane	0.050	U	1.0	ug/L							
Chloroprene	0.24	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.075	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.073	U	1.0	ug/L							
Dibromochloromethane	0.067	U	1.0	ug/L							
Dibromomethane	0.13	U	1.0	ug/L							
Dichlorodifluoromethane	0.091	U	1.0	ug/L							
Ethyl Methacrylate	0.32	U	1.0	ug/L							
Ethylbenzene	0.10	U	1.0	ug/L							
Iodomethane	0.52	U	5.0	ug/L							
Isobutyl alcohol	14	U	50	ug/L							
Methacrylonitrile	2.8	U	10	ug/L							
Methyl Methacrylate	0.53	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0C26006 - EPA 5030B_MS

Blank (0C26006-BLK1) Continued Prepared: 03/26/2010 09:19 Analyzed: 03/26/2010 14:27

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Methylene chloride	0.070	U	1.0	ug/L							
Naphthalene	0.086	U	1.0	ug/L							
Propionitrile	4.8	U	10	ug/L							
Styrene	0.082	U	1.0	ug/L							
Tetrachloroethene	0.099	U	1.0	ug/L							
Toluene	0.053	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.11	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.080	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.54	U	1.0	ug/L							
Trichloroethene	0.13	U	1.0	ug/L							
Trichlorofluoromethane	0.15	U	1.0	ug/L							
Vinyl acetate	0.98	U	5.0	ug/L							
Vinyl chloride	0.083	U	1.0	ug/L							
Xylenes (Total)	0.22	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*36*			*ug/L*	*50.0*		*72*	*51-122*			
Surrogate: Dibromofluoromethane	*42*			*ug/L*	*50.0*		*85*	*68-117*			
Surrogate: Toluene-d8	*45*			*ug/L*	*50.0*		*90*	*69-110*			

LCS (0C26006-BS1) Prepared: 03/26/2010 09:19 Analyzed: 03/26/2010 14:56

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		97	75-133			
Benzene	19		1.0	ug/L	20.0		94	81-134			
Chlorobenzene	20		1.0	ug/L	20.0		98	83-117			
Toluene	19		1.0	ug/L	20.0		95	71-118			
Trichloroethene	22		1.0	ug/L	20.0		110	75-115			

Matrix Spike (0C26006-MS1) Prepared: 03/26/2010 09:19 Analyzed: 03/26/2010 15:26

Source: C002861-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0	0.15 U	110	75-133			
Benzene	21		1.0	ug/L	20.0	0.050 U	106	81-134			
Chlorobenzene	21		1.0	ug/L	20.0	0.069 U	104	83-117			
Toluene	20		1.0	ug/L	20.0	0.053 U	101	71-118			
Trichloroethene	26		1.0	ug/L	20.0	0.90	125	75-115			QM-07

Matrix Spike Dup (0C26006-MSD1) Prepared: 03/26/2010 09:19 Analyzed: 03/26/2010 15:55

Source: C002861-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0	0.15 U	112	75-133	2	20	
Benzene	22		1.0	ug/L	20.0	0.050 U	109	81-134	3	17	
Chlorobenzene	22		1.0	ug/L	20.0	0.069 U	109	83-117	4	16	
Toluene	21		1.0	ug/L	20.0	0.053 U	105	71-118	5	17	
Trichloroethene	26		1.0	ug/L	20.0	0.90	126	75-115	0.6	18	QM-07

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0C27002 - EPA 5030B_MS

Blank (0C27002-BLK1) Prepared: 03/27/2010 09:51 Analyzed: 03/27/2010 10:19

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.091	U	1.0	ug/L							
1,1,1-Trichloroethane	0.15	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.085	U	1.0	ug/L							
1,1,2-Trichloroethane	0.068	U	1.0	ug/L							
1,1-Dichloroethane	0.050	U	1.0	ug/L							
1,1-Dichloroethene	0.15	U	1.0	ug/L							
1,1-Dichloropropene	0.063	U	1.0	ug/L							
1,2,3-Trichloropropane	0.15	U	1.0	ug/L							
1,2,4-Trichlorobenzene	0.097	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	0.052	U	1.0	ug/L							
1,2-Dichloroethane	0.082	U	1.0	ug/L							
1,2-Dichloropropane	0.098	U	1.0	ug/L							
1,3-Dichlorobenzene	0.092	U	1.0	ug/L							
1,3-Dichloropropane	0.15	U	1.0	ug/L							
1,4-Dichlorobenzene	0.10	U	1.0	ug/L							
2,2-Dichloropropane	0.12	U	1.0	ug/L							
2-Butanone	1.0	U	5.0	ug/L							
2-Hexanone	0.69	U	5.0	ug/L							
3-Chloropropene	0.28	U	1.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.5	U	5.0	ug/L							
Acetonitrile	2.8	U	10	ug/L							
Acrolein	3.0	U	10	ug/L							
Acrylonitrile	2.1	U	10	ug/L							
Benzene	0.050	U	1.0	ug/L							
Bromochloromethane	0.11	U	1.0	ug/L							
Bromodichloromethane	0.10	U	1.0	ug/L							
Bromoform	0.20	U	1.0	ug/L							
Bromomethane	0.28	U	1.0	ug/L							
Carbon disulfide	0.54	U	5.0	ug/L							
Carbon tetrachloride	0.082	U	1.0	ug/L							
Chlorobenzene	0.069	U	1.0	ug/L							
Chloroethane	0.18	U	1.0	ug/L							
Chloroform	0.083	U	1.0	ug/L							
Chloromethane	0.050	U	1.0	ug/L							
Chloroprene	0.24	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.075	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.073	U	1.0	ug/L							
Dibromochloromethane	0.067	U	1.0	ug/L							
Dibromomethane	0.13	U	1.0	ug/L							
Dichlorodifluoromethane	0.091	U	1.0	ug/L							
Ethyl Methacrylate	0.32	U	1.0	ug/L							
Ethylbenzene	0.10	U	1.0	ug/L							
Iodomethane	0.52	U	5.0	ug/L							
Isobutyl alcohol	14	U	50	ug/L							
Methacrylonitrile	2.8	U	10	ug/L							
Methyl Methacrylate	0.53	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0C27002 - EPA 5030B_MS

Blank (0C27002-BLK1) Continued Prepared: 03/27/2010 09:51 Analyzed: 03/27/2010 10:19

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Methylene chloride	0.070	U	1.0	ug/L							
Naphthalene	0.086	U	1.0	ug/L							
Propionitrile	4.8	U	10	ug/L							
Styrene	0.082	U	1.0	ug/L							
Tetrachloroethene	0.099	U	1.0	ug/L							
Toluene	0.053	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.11	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.080	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.54	U	1.0	ug/L							
Trichloroethene	0.13	U	1.0	ug/L							
Trichlorofluoromethane	0.15	U	1.0	ug/L							
Vinyl acetate	0.98	U	5.0	ug/L							
Vinyl chloride	0.083	U	1.0	ug/L							
Xylenes (Total)	0.22	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*35*			*ug/L*	*50.0*		*70*	*51-122*			
Surrogate: Dibromofluoromethane	*42*			*ug/L*	*50.0*		*85*	*68-117*			
Surrogate: Toluene-d8	*44*			*ug/L*	*50.0*		*87*	*69-110*			

LCS (0C27002-BS1) Prepared: 03/27/2010 09:51 Analyzed: 03/27/2010 12:24

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		94	75-133			
Benzene	19		1.0	ug/L	20.0		97	81-134			
Chlorobenzene	20		1.0	ug/L	20.0		102	83-117			
Toluene	20		1.0	ug/L	20.0		100	71-118			
Trichloroethene	23		1.0	ug/L	20.0		114	75-115			

Matrix Spike (0C27002-MS1) Prepared: 03/27/2010 09:51 Analyzed: 03/27/2010 11:18

Source: C002862-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0	0.15 U	109	75-133			
Benzene	20		1.0	ug/L	20.0	0.050 U	101	81-134			
Chlorobenzene	20		1.0	ug/L	20.0	0.069 U	102	83-117			
Toluene	20		1.0	ug/L	20.0	0.053 U	100	71-118			
Trichloroethene	24		1.0	ug/L	20.0	0.13 U	120	75-115			QM-07

Matrix Spike Dup (0C27002-MSD1) Prepared: 03/27/2010 09:51 Analyzed: 03/27/2010 11:47

Source: C002862-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	23		1.0	ug/L	20.0	0.15 U	115	75-133	5	20	
Benzene	22		1.0	ug/L	20.0	0.050 U	111	81-134	9	17	
Chlorobenzene	22		1.0	ug/L	20.0	0.069 U	108	83-117	6	16	
Toluene	21		1.0	ug/L	20.0	0.053 U	104	71-118	4	17	
Trichloroethene	26		1.0	ug/L	20.0	0.13 U	130	75-115	8	18	QM-07

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 0C24011 - EPA 3510C_MS

Blank (0C24011-BLK1) Prepared: 03/24/2010 09:08 Analyzed: 04/06/2010 21:11

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4,5-Tetrachlorobenzene	1.7	U	10	ug/L							
1,3,5-Trinitrobenzene	1.4	U	10	ug/L							
1,3-Dinitrobenzene	1.0	U	10	ug/L							
1,4-Naphthoquinone	3.0	U	10	ug/L							
1,4-Phenylenediamine	4.0	U	10	ug/L							
1-Naphthylamine	2.5	U	10	ug/L							
2,3,4,6-Tetrachlorophenol	1.0	U	10	ug/L							
2,4,5-Trichlorophenol	1.1	U	10	ug/L							
2,4,6-Trichlorophenol	1.5	U	10	ug/L							
2,4-Dichlorophenol	2.0	U	10	ug/L							
2,4-Dimethylphenol	2.6	U	10	ug/L							
2,4-Dinitrophenol	2.6	U	10	ug/L							
2,4-Dinitrotoluene	1.1	U	10	ug/L							
2,6-Dichlorophenol	1.7	U	10	ug/L							
2,6-Dinitrotoluene	1.0	U	10	ug/L							
2-Acetylaminofluorene	1.3	U	10	ug/L							
2-Chloronaphthalene	1.1	U	10	ug/L							
2-Chlorophenol	1.9	U	10	ug/L							
2-Methyl-4,6-dinitrophenol	1.9	U	10	ug/L							
2-Methylnaphthalene	1.3	U	10	ug/L							
2-Methylphenol	2.0	U	10	ug/L							
2-Naphthylamine	4.0	U	10	ug/L							
2-Nitroaniline	1.2	U	10	ug/L							
2-Nitrophenol	2.3	U	10	ug/L							
3 & 4-Methylphenol	1.8	U	10	ug/L							
3,3'-Dichlorobenzidine	1.7	U	10	ug/L							
3,3'-Dimethylbenzidine	3.0	U	10	ug/L							
3-Methylcholanthrene	1.3	U	10	ug/L							
3-Nitroaniline	1.6	U	10	ug/L							
4-Aminobiphenyl	3.1	U	10	ug/L							
4-Bromophenyl-phenylether	1.0	U	10	ug/L							
4-Chloro-3-methylphenol	1.6	U	10	ug/L							
4-Chloroaniline	1.6	U	10	ug/L							
4-Chlorophenyl-phenylether	1.1	U	10	ug/L							
4-Nitroaniline	1.3	U	10	ug/L							
4-Nitrophenol	1.2	U	10	ug/L							
5-Nitro-o-toluidine	0.60	U	10	ug/L							
7,12-Dimethylbenz(a)anthracene	1.1	U	10	ug/L							
Acenaphthene	1.1	U	10	ug/L							
Acenaphthylene	1.1	U	10	ug/L							
Acetophenone	2.0	U	10	ug/L							
Anthracene	0.64	U	10	ug/L							
Benzo(a)anthracene	0.76	U	10	ug/L							
Benzo(a)pyrene	1.0	U	10	ug/L							
Benzo(b)fluoranthene	0.78	U	10	ug/L							
Benzo(g,h,i)perylene	1.9	U	10	ug/L							
Benzo(k)fluoranthene	0.77	U	10	ug/L							
Benzyl alcohol	2.0	U	10	ug/L							
Bis(2-chloroethoxy)methane	1.9	U	10	ug/L							

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 0C24011 - EPA 3510C_MS

Blank (0C24011-BLK1) Continued Prepared: 03/24/2010 09:08 Analyzed: 04/06/2010 21:11

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Bis(2-chloroethyl)ether	1.9	U	10	ug/L							
Bis(2-chloroisopropyl)ether	1.8	U	10	ug/L							
Bis(2-ethylhexyl)phthalate	2.6	U	5.0	ug/L							
Butylbenzylphthalate	1.4	U	10	ug/L							
Chlorobenzilate	1.1	U	10	ug/L							
Chrysene	0.92	U	10	ug/L							
Diallate	1.3	U	10	ug/L							
Dibenzo(a,h)anthracene	1.8	U	10	ug/L							
Dibenzofuran	1.3	U	10	ug/L							
Diethylphthalate	0.61	U	10	ug/L							
Dimethoate	1.0	U	10	ug/L							
Dimethylphthalate	0.79	U	10	ug/L							
Di-n-butylphthalate	1.4	U	10	ug/L							
Di-n-octylphthalate	1.4	U	10	ug/L							
Disulfoton	1.0	U	10	ug/L							
Ethyl methanesulfonate	1.1	U	10	ug/L							
Famphur	1.8	U	10	ug/L							
Fluoranthene	1.2	U	10	ug/L							
Fluorene	1.1	U	10	ug/L							
Hexachlorobenzene	1.2	U	10	ug/L							
Hexachlorobutadiene	1.2	U	10	ug/L							
Hexachlorocyclopentadiene	1.0	U	10	ug/L							
Hexachloroethane	0.97	U	10	ug/L							
Hexachloropropene	1.1	U	10	ug/L							
Indeno(1,2,3-cd)pyrene	1.7	U	10	ug/L							
Isodrin	1.0	U	10	ug/L							
Isophorone	1.6	U	10	ug/L							
Isosafrole	1.3	U	10	ug/L							
Kepone	1.5	U	20	ug/L							
Methapyrilene	3.8	U	10	ug/L							
Methyl Methanesulfonate	2.0	U	10	ug/L							
Methyl parathion	1.2	U	10	ug/L							
Nitrobenzene	1.9	U	10	ug/L							
N-Nitrosodiethylamine	1.9	U	10	ug/L							
N-Nitrosodimethylamine	1.4	U	10	ug/L							
N-Nitrosodi-n-butylamine	1.0	U	10	ug/L							
N-Nitroso-di-n-propylamine	1.8	U	10	ug/L							
N-nitrosodiphenylamine/Diphenylamine	1.1	U	10	ug/L							
N-Nitrosomethylethylamine	1.9	U	10	ug/L							
N-Nitrosopiperidine	1.5	U	10	ug/L							
N-Nitrosopyrrolidine	1.9	U	10	ug/L							
O,O,O-Triethyl phosphorothioate	2.0	U	10	ug/L							
o-Toluidine	1.5	U	10	ug/L							
Parathion	1.2	U	10	ug/L							
p-Dimethylaminoazobenzene	1.2	U	10	ug/L							
Pentachlorobenzene	1.2	U	10	ug/L							
Pentachloronitrobenzene	1.1	U	10	ug/L							
Phenacetin	1.0	U	10	ug/L							
Phenanthrene	0.74	U	10	ug/L							

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 0C24011 - EPA 3510C_MS

Blank (0C24011-BLK1) Continued Prepared: 03/24/2010 09:08 Analyzed: 04/06/2010 21:11

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Phenol	1.2	U	10	ug/L							
Phorate	4.1	U	10	ug/L							
Pronamide	1.0	U	10	ug/L							
Pyrene	1.3	U	10	ug/L							
Safrole	1.9	U	10	ug/L							
Thionazin	1.2	U	10	ug/L							
Surrogate: 2,4,6-Tribromophenol	*89*			*ug/L*	*100*		*89*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*52*			*ug/L*	*50.0*		*104*	*10-149*			
Surrogate: 2-Fluorophenol	*68*			*ug/L*	*100*		*68*	*10-110*			
Surrogate: Nitrobenzene-d5	*42*			*ug/L*	*50.0*		*85*	*10-149*			
Surrogate: Phenol-d5	*59*			*ug/L*	*100*		*59*	*10-88*			
Surrogate: Terphenyl-d14	*62*			*ug/L*	*50.0*		*124*	*10-188*			

LCS (0C24011-BS1) Prepared: 03/24/2010 09:08 Analyzed: 04/06/2010 21:40

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Chlorophenol	44		10	ug/L	50.0		88	40-109			
4-Chloro-3-methylphenol	53		10	ug/L	50.0		106	58-121			
4-Nitrophenol	31		10	ug/L	50.0		62	33-105			
Acenaphthene	48		10	ug/L	50.0		95	43-118			
N-Nitroso-di-n-propylamine	47		10	ug/L	50.0		94	48-126			
Phenol	29		10	ug/L	50.0		59	19-78			
Pyrene	51		10	ug/L	50.0		101	65-134			
Surrogate: 2,4,6-Tribromophenol	*95*			*ug/L*	*100*		*95*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*46*			*ug/L*	*50.0*		*92*	*10-149*			
Surrogate: 2-Fluorophenol	*69*			*ug/L*	*100*		*69*	*10-110*			
Surrogate: Nitrobenzene-d5	*46*			*ug/L*	*50.0*		*92*	*10-149*			
Surrogate: Phenol-d5	*58*			*ug/L*	*100*		*58*	*10-88*			
Surrogate: Terphenyl-d14	*51*			*ug/L*	*50.0*		*101*	*10-188*			

Matrix Spike (0C24011-MS1) Prepared: 03/24/2010 09:08 Analyzed: 04/06/2010 22:38

Source: C003216-05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Chlorophenol	41		10	ug/L	50.0	1.9 U	83	40-109			
4-Chloro-3-methylphenol	51		10	ug/L	50.0	1.6 U	101	58-121			
4-Nitrophenol	31		10	ug/L	50.0	1.2 U	63	33-105			
Acenaphthene	45		10	ug/L	50.0	1.1 U	91	43-118			
N-Nitroso-di-n-propylamine	46		10	ug/L	50.0	1.8 U	92	48-126			
Phenol	29		10	ug/L	50.0	1.2 U	59	19-78			
Pyrene	50		10	ug/L	50.0	1.3 U	101	65-134			
Surrogate: 2,4,6-Tribromophenol	*94*			*ug/L*	*100*		*94*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*44*			*ug/L*	*50.0*		*88*	*10-149*			
Surrogate: 2-Fluorophenol	*66*			*ug/L*	*100*		*66*	*10-110*			
Surrogate: Nitrobenzene-d5	*43*			*ug/L*	*50.0*		*86*	*10-149*			
Surrogate: Phenol-d5	*58*			*ug/L*	*100*		*58*	*10-88*			
Surrogate: Terphenyl-d14	*51*			*ug/L*	*50.0*		*102*	*10-188*			

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 0C24011 - EPA 3510C_MS

Matrix Spike Dup (0C24011-MSD1) Prepared: 03/24/2010 09:08 Analyzed: 04/06/2010 23:07

Source: C003216-05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Chlorophenol	43		10	ug/L	50.0	1.9 U	85	40-109	3	22	
4-Chloro-3-methylphenol	52		10	ug/L	50.0	1.6 U	104	58-121	2	22	
4-Nitrophenol	31		10	ug/L	50.0	1.2 U	62	33-105	0.7	27	
Acenaphthene	47		10	ug/L	50.0	1.1 U	94	43-118	3	21	
N-Nitroso-di-n-propylamine	47		10	ug/L	50.0	1.8 U	94	48-126	2	23	
Phenol	29		10	ug/L	50.0	1.2 U	58	19-78	2	18	
Pyrene	50		10	ug/L	50.0	1.3 U	100	65-134	0.5	16	
Surrogate: 2,4,6-Tribromophenol	*94*			*ug/L*	*100*		*94*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*46*			*ug/L*	*50.0*		*91*	*10-149*			
Surrogate: 2-Fluorophenol	*67*			*ug/L*	*100*		*67*	*10-110*			
Surrogate: Nitrobenzene-d5	*45*			*ug/L*	*50.0*		*91*	*10-149*			
Surrogate: Phenol-d5	*57*			*ug/L*	*100*		*57*	*10-88*			
Surrogate: Terphenyl-d14	*49*			*ug/L*	*50.0*		*99*	*10-188*			

Batch 0C26008 - EPA 3510C_MS

Blank (0C26008-BLK1) Prepared: 03/26/2010 09:26 Analyzed: 04/07/2010 00:35

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4,5-Tetrachlorobenzene	1.7	U	10	ug/L							
1,3,5-Trinitrobenzene	1.4	U	10	ug/L							
1,3-Dinitrobenzene	1.0	U	10	ug/L							
1,4-Naphthoquinone	3.0	U	10	ug/L							
1,4-Phenylenediamine	4.0	U	10	ug/L							
1-Naphthylamine	2.5	U	10	ug/L							
2,3,4,6-Tetrachlorophenol	1.0	U	10	ug/L							
2,4,5-Trichlorophenol	1.1	U	10	ug/L							
2,4,6-Trichlorophenol	1.5	U	10	ug/L							
2,4-Dichlorophenol	2.0	U	10	ug/L							
2,4-Dimethylphenol	2.6	U	10	ug/L							
2,4-Dinitrophenol	2.6	U	10	ug/L							
2,4-Dinitrotoluene	1.1	U	10	ug/L							
2,6-Dichlorophenol	1.7	U	10	ug/L							
2,6-Dinitrotoluene	1.0	U	10	ug/L							
2-Acetylaminofluorene	1.3	U	10	ug/L							
2-Chloronaphthalene	1.1	U	10	ug/L							
2-Chlorophenol	1.9	U	10	ug/L							
2-Methyl-4,6-dinitrophenol	1.9	U	10	ug/L							
2-Methylnaphthalene	1.3	U	10	ug/L							
2-Methylphenol	2.0	U	10	ug/L							
2-Naphthylamine	4.0	U	10	ug/L							
2-Nitroaniline	1.2	U	10	ug/L							
2-Nitrophenol	2.3	U	10	ug/L							
3 & 4-Methylphenol	1.8	U	10	ug/L							
3,3'-Dichlorobenzidine	1.7	U	10	ug/L							
3,3'-Dimethylbenzidine	3.0	U	10	ug/L							

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 0C26008 - EPA 3510C_MS

Blank (0C26008-BLK1) Continued Prepared: 03/26/2010 09:26 Analyzed: 04/07/2010 00:35

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
3-Methylcholanthrene	1.3	U	10	ug/L							
3-Nitroaniline	1.6	U	10	ug/L							
4-Aminobiphenyl	3.1	U	10	ug/L							
4-Bromophenyl-phenylether	1.0	U	10	ug/L							
4-Chloro-3-methylphenol	1.6	U	10	ug/L							
4-Chloroaniline	1.6	U	10	ug/L							
4-Chlorophenyl-phenylether	1.1	U	10	ug/L							
4-Nitroaniline	1.3	U	10	ug/L							
4-Nitrophenol	1.2	U	10	ug/L							
5-Nitro-o-toluidine	0.60	U	10	ug/L							
7,12-Dimethylbenz(a)anthracene	1.1	U	10	ug/L							
Acenaphthene	1.1	U	10	ug/L							
Acenaphthylene	1.1	U	10	ug/L							
Acetophenone	2.0	U	10	ug/L							
Anthracene	0.64	U	10	ug/L							
Benzo(a)anthracene	0.76	U	10	ug/L							
Benzo(a)pyrene	1.0	U	10	ug/L							
Benzo(b)fluoranthene	0.78	U	10	ug/L							
Benzo(g,h,i)perylene	1.9	U	10	ug/L							
Benzo(k)fluoranthene	0.77	U	10	ug/L							
Benzyl alcohol	2.0	U	10	ug/L							
Bis(2-chloroethoxy)methane	1.9	U	10	ug/L							
Bis(2-chloroethyl)ether	1.9	U	10	ug/L							
Bis(2-chloroisopropyl)ether	1.8	U	10	ug/L							
Bis(2-ethylhexyl)phthalate	2.6	U	5.0	ug/L							
Butylbenzylphthalate	1.4	U	10	ug/L							
Chlorobenzilate	1.1	U	10	ug/L							
Chrysene	0.92	U	10	ug/L							
Diallate	1.3	U	10	ug/L							
Dibenzo(a,h)anthracene	1.8	U	10	ug/L							
Dibenzofuran	1.3	U	10	ug/L							
Diethylphthalate	0.61	U	10	ug/L							
Dimethoate	1.0	U	10	ug/L							
Dimethylphthalate	0.79	U	10	ug/L							
Di-n-butylphthalate	1.4	U	10	ug/L							
Di-n-octylphthalate	1.4	U	10	ug/L							
Disulfoton	1.0	U	10	ug/L							
Ethyl methanesulfonate	1.1	U	10	ug/L							
Famphur	1.8	U	10	ug/L							
Fluoranthene	1.2	U	10	ug/L							
Fluorene	1.1	U	10	ug/L							
Hexachlorobenzene	1.2	U	10	ug/L							
Hexachlorobutadiene	1.2	U	10	ug/L							
Hexachlorocyclopentadiene	1.0	U	10	ug/L							
Hexachloroethane	0.97	U	10	ug/L							
Hexachloropropene	1.1	U	10	ug/L							
Indeno(1,2,3-cd)pyrene	1.7	U	10	ug/L							
Isodrin	1.0	U	10	ug/L							
Isophorone	1.6	U	10	ug/L							

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 0C26008 - EPA 3510C_MS

Blank (0C26008-BLK1) Continued Prepared: 03/26/2010 09:26 Analyzed: 04/07/2010 00:35

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Isosafrole	1.3	U	10	ug/L							
Kepone	1.5	U	20	ug/L							
Methapyrilene	3.8	U	10	ug/L							
Methyl Methanesulfonate	2.0	U	10	ug/L							
Methyl parathion	1.2	U	10	ug/L							
Nitrobenzene	1.9	U	10	ug/L							
N-Nitrosodiethylamine	1.9	U	10	ug/L							
N-Nitrosodimethylamine	1.4	U	10	ug/L							
N-Nitrosodi-n-butylamine	1.0	U	10	ug/L							
N-Nitroso-di-n-propylamine	1.8	U	10	ug/L							
N-nitrosodiphenylamine/Diphenylamine	1.1	U	10	ug/L							
N-Nitrosomethylethylamine	1.9	U	10	ug/L							
N-Nitrosopiperidine	1.5	U	10	ug/L							
N-Nitrosopyrrolidine	1.9	U	10	ug/L							
O,O,O-Triethyl phosphorothioate	2.0	U	10	ug/L							
o-Toluidine	1.5	U	10	ug/L							
Parathion	1.2	U	10	ug/L							
p-Dimethylaminoazobenzene	1.2	U	10	ug/L							
Pentachlorobenzene	1.2	U	10	ug/L							
Pentachloronitrobenzene	1.1	U	10	ug/L							
Phenacetin	1.0	U	10	ug/L							
Phenanthrene	0.74	U	10	ug/L							
Phenol	1.2	U	10	ug/L							
Phorate	4.1	U	10	ug/L							
Pronamide	1.0	U	10	ug/L							
Pyrene	1.3	U	10	ug/L							
Safrole	1.9	U	10	ug/L							
Thionazin	1.2	U	10	ug/L							
Surrogate: 2,4,6-Tribromophenol	*84*			*ug/L*	*100*		*84*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*51*			*ug/L*	*50.0*		*103*	*10-149*			
Surrogate: 2-Fluorophenol	*64*			*ug/L*	*100*		*64*	*10-110*			
Surrogate: Nitrobenzene-d5	*42*			*ug/L*	*50.0*		*83*	*10-149*			
Surrogate: Phenol-d5	*57*			*ug/L*	*100*		*57*	*10-88*			
Surrogate: Terphenyl-d14	*57*			*ug/L*	*50.0*		*114*	*10-188*			

LCS (0C26008-BS1) Prepared: 03/26/2010 09:26 Analyzed: 04/07/2010 01:04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Chlorophenol	43		10	ug/L	50.0		86	40-109			
4-Chloro-3-methylphenol	50		10	ug/L	50.0		100	58-121			
4-Nitrophenol	30		10	ug/L	50.0		61	33-105			
Acenaphthene	46		10	ug/L	50.0		92	43-118			
N-Nitroso-di-n-propylamine	47		10	ug/L	50.0		94	48-126			
Phenol	29		10	ug/L	50.0		59	19-78			
Pyrene	49		10	ug/L	50.0		97	65-134			
Surrogate: 2,4,6-Tribromophenol	*92*			*ug/L*	*100*		*92*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*46*			*ug/L*	*50.0*		*91*	*10-149*			
Surrogate: 2-Fluorophenol	*67*			*ug/L*	*100*		*67*	*10-110*			

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 0C26008 - EPA 3510C_MS

LCS (0C26008-BS1) Continued Prepared: 03/26/2010 09:26 Analyzed: 04/07/2010 01:04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Nitrobenzene-d5	*45*			*ug/L*	*50.0*		*90*	*10-149*			
Surrogate: Phenol-d5	*57*			*ug/L*	*100*		*57*	*10-88*			
Surrogate: Terphenyl-d14	*49*			*ug/L*	*50.0*		*98*	*10-188*			

Matrix Spike (0C26008-MS1) Prepared: 03/26/2010 09:26 Analyzed: 04/07/2010 02:02

Source: C002862-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Chlorophenol	44		10	ug/L	50.0	1.9 U	88	40-109			
4-Chloro-3-methylphenol	55		10	ug/L	50.0	1.6 U	110	58-121			
4-Nitrophenol	35		10	ug/L	50.0	1.2 U	69	33-105			
Acenaphthene	46		10	ug/L	50.0	1.1 U	91	43-118			
N-Nitroso-di-n-propylamine	49		10	ug/L	50.0	1.8 U	98	48-126			
Phenol	30		10	ug/L	50.0	1.2 U	60	19-78			
Pyrene	46		10	ug/L	50.0	1.3 U	92	65-134			
Surrogate: 2,4,6-Tribromophenol	*95*			*ug/L*	*100*		*95*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*49*			*ug/L*	*50.0*		*99*	*10-149*			
Surrogate: 2-Fluorophenol	*68*			*ug/L*	*100*		*68*	*10-110*			
Surrogate: Nitrobenzene-d5	*48*			*ug/L*	*50.0*		*95*	*10-149*			
Surrogate: Phenol-d5	*59*			*ug/L*	*100*		*59*	*10-88*			
Surrogate: Terphenyl-d14	*47*			*ug/L*	*50.0*		*94*	*10-188*			

Matrix Spike Dup (0C26008-MSD1) Prepared: 03/26/2010 09:26 Analyzed: 04/07/2010 02:31

Source: C002862-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Chlorophenol	41		10	ug/L	50.0	1.9 U	82	40-109	7	22	
4-Chloro-3-methylphenol	53		10	ug/L	50.0	1.6 U	105	58-121	4	22	
4-Nitrophenol	34		10	ug/L	50.0	1.2 U	68	33-105	2	27	
Acenaphthene	46		10	ug/L	50.0	1.1 U	92	43-118	1	21	
N-Nitroso-di-n-propylamine	46		10	ug/L	50.0	1.8 U	92	48-126	6	23	
Phenol	28		10	ug/L	50.0	1.2 U	57	19-78	6	18	
Pyrene	46		10	ug/L	50.0	1.3 U	93	65-134	0.7	16	
Surrogate: 2,4,6-Tribromophenol	*96*			*ug/L*	*100*		*96*	*10-179*			
Surrogate: 2-Fluorobiphenyl	*47*			*ug/L*	*50.0*		*95*	*10-149*			
Surrogate: 2-Fluorophenol	*64*			*ug/L*	*100*		*64*	*10-110*			
Surrogate: Nitrobenzene-d5	*43*			*ug/L*	*50.0*		*87*	*10-149*			
Surrogate: Phenol-d5	*56*			*ug/L*	*100*		*56*	*10-88*			
Surrogate: Terphenyl-d14	*48*			*ug/L*	*50.0*		*95*	*10-188*			

Organochlorine Pesticides by GC - Quality Control

Batch 0C25007 - EPA 3510C

Blank (0C25007-BLK1) Prepared: 03/25/2010 09:10 Analyzed: 03/28/2010 13:39

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDD	0.013	U	0.050	ug/L							

QUALITY CONTROL

Organochlorine Pesticides by GC - Quality Control

Batch 0C25007 - EPA 3510C

Blank (0C25007-BLK1) Continued Prepared: 03/25/2010 09:10 Analyzed: 03/28/2010 13:39

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDE	0.012	U	0.050	ug/L							
4,4'-DDT	0.015	U	0.050	ug/L							
Aldrin	0.012	U	0.050	ug/L							
alpha-BHC	0.015	U	0.050	ug/L							
beta-BHC	0.012	U	0.050	ug/L							
Chlordane (tech)	0.20	U	0.50	ug/L							
Chlordane-alpha	0.014	U	0.050	ug/L							
Chlordane-gamma	0.012	U	0.050	ug/L							
delta-BHC	0.014	U	0.050	ug/L							
Dieldrin	0.0089	U	0.050	ug/L							
Endosulfan I	0.016	U	0.050	ug/L							
Endosulfan II	0.012	U	0.050	ug/L							
Endosulfan sulfate	0.012	U	0.050	ug/L							
Endrin	0.013	U	0.050	ug/L							
Endrin aldehyde	0.012	U	0.050	ug/L							
gamma-BHC	0.016	U	0.050	ug/L							
Heptachlor	0.012	U	0.050	ug/L							
Heptachlor epoxide	0.0089	U	0.050	ug/L							
Methoxychlor	0.016	U	0.050	ug/L							
Toxaphene	0.22	U	0.50	ug/L							
Surrogate: 2,4,5,6-TCMX	*0.62*			*ug/L*	*1.00*		*62*	*44-134*			
Surrogate: Decachlorobiphenyl	*0.67*			*ug/L*	*1.00*		*67*	*37-149*			

LCS (0C25007-BS1) Prepared: 03/25/2010 09:10 Analyzed: 03/28/2010 13:52

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDT	0.82		0.050	ug/L	1.00		82	37-139			
Dieldrin	0.73		0.050	ug/L	1.00		73	46-132			
Endrin	0.74		0.050	ug/L	1.00		74	43-133			
Surrogate: 2,4,5,6-TCMX	*0.54*			*ug/L*	*1.00*		*54*	*44-134*			
Surrogate: Decachlorobiphenyl	*0.62*			*ug/L*	*1.00*		*62*	*37-149*			

Matrix Spike (0C25007-MS1) Prepared: 03/25/2010 09:10 Analyzed: 03/28/2010 14:05

Source: C003095-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDT	0.82		0.050	ug/L	1.00	0.015 U	82	37-139			
Dieldrin	0.71		0.050	ug/L	1.00	0.0089 U	71	46-132			
Endrin	0.72		0.050	ug/L	1.00	0.013 U	72	43-133			
Surrogate: 2,4,5,6-TCMX	*0.52*			*ug/L*	*1.00*		*52*	*44-134*			
Surrogate: Decachlorobiphenyl	*0.59*			*ug/L*	*1.00*		*59*	*37-149*			

Matrix Spike Dup (0C25007-MSD1) Prepared: 03/25/2010 09:10 Analyzed: 03/28/2010 14:19

Source: C003095-03

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

QUALITY CONTROL

Organochlorine Pesticides by GC - Quality Control

Batch 0C25007 - EPA 3510C

Matrix Spike Dup (0C25007-MSD1) Continued Prepared: 03/25/2010 09:10 Analyzed: 03/28/2010 14:19

Source: C003095-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDT	0.88		0.050	ug/L	1.00	0.015 U	88	37-139	8	26	
Dieldrin	0.75		0.050	ug/L	1.00	0.0089 U	75	46-132	5	27	
Endrin	0.76		0.050	ug/L	1.00	0.013 U	76	43-133	5	26	
Surrogate: 2,4,5,6-TCMX	*0.55*			*ug/L*	*1.00*		*55*	*44-134*			
Surrogate: Decachlorobiphenyl	*0.63*			*ug/L*	*1.00*		*63*	*37-149*			

Batch 0C29010 - EPA 3510C

Blank (0C29010-BLK1) Prepared: 03/29/2010 09:01 Analyzed: 03/29/2010 16:34

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDD	0.013	U	0.050	ug/L							
4,4'-DDE	0.012	U	0.050	ug/L							
4,4'-DDT	0.015	U	0.050	ug/L							
Aldrin	0.012	U	0.050	ug/L							
alpha-BHC	0.015	U	0.050	ug/L							
beta-BHC	0.012	U	0.050	ug/L							
Chlordane (tech)	0.20	U	0.50	ug/L							
Chlordane-alpha	0.014	U	0.050	ug/L							
Chlordane-gamma	0.012	U	0.050	ug/L							
delta-BHC	0.014	U	0.050	ug/L							
Dieldrin	0.0089	U	0.050	ug/L							
Endosulfan I	0.016	U	0.050	ug/L							
Endosulfan II	0.012	U	0.050	ug/L							
Endosulfan sulfate	0.012	U	0.050	ug/L							
Endrin	0.013	U	0.050	ug/L							
Endrin aldehyde	0.012	U	0.050	ug/L							
gamma-BHC	0.016	U	0.050	ug/L							
Heptachlor	0.012	U	0.050	ug/L							
Heptachlor epoxide	0.0089	U	0.050	ug/L							
Methoxychlor	0.016	U	0.050	ug/L							
Toxaphene	0.22	U	0.50	ug/L							
Surrogate: 2,4,5,6-TCMX	*0.68*			*ug/L*	*1.00*		*68*	*44-134*			
Surrogate: Decachlorobiphenyl	*0.72*			*ug/L*	*1.00*		*72*	*37-149*			

LCS (0C29010-BS1) Prepared: 03/29/2010 09:01 Analyzed: 03/29/2010 16:48

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDT	0.86		0.050	ug/L	1.00		86	37-139			
Dieldrin	0.75		0.050	ug/L	1.00		75	46-132			
Endrin	0.76		0.050	ug/L	1.00		76	43-133			
Surrogate: 2,4,5,6-TCMX	*0.57*			*ug/L*	*1.00*		*57*	*44-134*			
Surrogate: Decachlorobiphenyl	*0.62*			*ug/L*	*1.00*		*62*	*37-149*			

Matrix Spike (0C29010-MS1) Prepared: 03/29/2010 09:01 Analyzed: 03/29/2010 17:01

Source: C002862-01

QUALITY CONTROL

Organochlorine Pesticides by GC - Quality Control

Batch 0C29010 - EPA 3510C

Matrix Spike (0C29010-MS1) Continued Prepared: 03/29/2010 09:01 Analyzed: 03/29/2010 17:01

Source: C002862-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDT	0.94		0.050	ug/L	1.00	0.015 U	94	37-139			
Dieldrin	0.74		0.050	ug/L	1.00	0.0089 U	74	46-132			
Endrin	0.78		0.050	ug/L	1.00	0.013 U	78	43-133			
Surrogate: 2,4,5,6-TCMX	*0.58*			*ug/L*	*1.00*		*58*	*44-134*			
Surrogate: Decachlorobiphenyl	*0.54*			*ug/L*	*1.00*		*54*	*37-149*			

Matrix Spike Dup (0C29010-MSD1) Prepared: 03/29/2010 09:01 Analyzed: 03/29/2010 17:14

Source: C002862-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
4,4'-DDT	0.93		0.050	ug/L	1.00	0.015 U	93	37-139	1	26	
Dieldrin	0.75		0.050	ug/L	1.00	0.0089 U	75	46-132	2	27	
Endrin	0.79		0.050	ug/L	1.00	0.013 U	79	43-133	2	26	
Surrogate: 2,4,5,6-TCMX	*0.58*			*ug/L*	*1.00*		*58*	*44-134*			
Surrogate: Decachlorobiphenyl	*0.60*			*ug/L*	*1.00*		*60*	*37-149*			

Polychlorinated Biphenyls by GC - Quality Control

Batch 0C25009 - EPA 3510C

Blank (0C25009-BLK1) Prepared: 03/25/2010 09:17 Analyzed: 03/28/2010 13:39

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	0.19	U	0.50	ug/L							
PCB-1221	0.046	U	0.50	ug/L							
PCB-1232	0.028	U	0.50	ug/L							
PCB-1248	0.014	U	0.50	ug/L							
PCB-1254	0.015	U	0.50	ug/L							
PCB-1260	0.13	U	0.50	ug/L							
Surrogate: 2,4,5,6-TCMX	*1.1*			*ug/L*	*1.00*		*110*	*45-151*			
Surrogate: Decachlorobiphenyl	*1.2*			*ug/L*	*1.00*		*120*	*42-159*			

LCS (0C25009-BS1) Prepared: 03/25/2010 09:17 Analyzed: 03/28/2010 14:32

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	13		0.50	ug/L	10.0		129	66-149			
PCB-1260	11		0.50	ug/L	10.0		114	64-150			
Surrogate: 2,4,5,6-TCMX	*1.2*			*ug/L*	*1.00*		*120*	*45-151*			
Surrogate: Decachlorobiphenyl	*1.2*			*ug/L*	*1.00*		*120*	*42-159*			

Matrix Spike (0C25009-MS1) Prepared: 03/25/2010 09:17 Analyzed: 03/28/2010 14:45

Source: C003095-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	9.9		0.50	ug/L	10.0	0.19 U	99	66-149			
PCB-1260	11		0.50	ug/L	10.0	0.13 U	111	64-150			

QUALITY CONTROL

Polychlorinated Biphenyls by GC - Quality Control

Batch 0C25009 - EPA 3510C

Matrix Spike (0C25009-MS1) Continued Prepared: 03/25/2010 09:17 Analyzed: 03/28/2010 14:45

Source: C003095-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: 2,4,5,6-TCMX	*1.2*			*ug/L*	*1.00*		*120*	*45-151*			
Surrogate: Decachlorobiphenyl	*1.2*			*ug/L*	*1.00*		*120*	*42-159*			

Matrix Spike Dup (0C25009-MSD1) Prepared: 03/25/2010 09:17 Analyzed: 03/28/2010 14:59

Source: C003095-03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	12		0.50	ug/L	10.0	0.19 U	122	66-149	20	21	
PCB-1260	11		0.50	ug/L	10.0	0.13 U	110	64-150	1	18	
Surrogate: 2,4,5,6-TCMX	*1.2*			*ug/L*	*1.00*		*120*	*45-151*			
Surrogate: Decachlorobiphenyl	*1.2*			*ug/L*	*1.00*		*120*	*42-159*			

Batch 0C29011 - EPA 3510C

Blank (0C29011-BLK1) Prepared: 03/29/2010 09:06 Analyzed: 03/29/2010 16:34

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	0.19	U	0.50	ug/L							
PCB-1221	0.046	U	0.50	ug/L							
PCB-1232	0.028	U	0.50	ug/L							
PCB-1248	0.014	U	0.50	ug/L							
PCB-1254	0.015	U	0.50	ug/L							
PCB-1260	0.13	U	0.50	ug/L							
Surrogate: 2,4,5,6-TCMX	*1.2*			*ug/L*	*1.00*		*120*	*45-151*			
Surrogate: Decachlorobiphenyl	*1.2*			*ug/L*	*1.00*		*120*	*42-159*			

LCS (0C29011-BS1) Prepared: 03/29/2010 09:06 Analyzed: 03/29/2010 17:28

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	12		0.50	ug/L	10.0		121	66-149			
PCB-1260	11		0.50	ug/L	10.0		106	64-150			
Surrogate: 2,4,5,6-TCMX	*1.2*			*ug/L*	*1.00*		*120*	*45-151*			
Surrogate: Decachlorobiphenyl	*1.1*			*ug/L*	*1.00*		*110*	*42-159*			

Matrix Spike (0C29011-MS1) Prepared: 03/29/2010 09:06 Analyzed: 03/29/2010 17:41

Source: C002862-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	15		0.50	ug/L	10.0	0.19 U	147	66-149			
PCB-1260	10		0.50	ug/L	10.0	0.13 U	104	64-150			
Surrogate: 2,4,5,6-TCMX	*1.1*			*ug/L*	*1.00*		*110*	*45-151*			
Surrogate: Decachlorobiphenyl	*0.90*			*ug/L*	*1.00*		*90*	*42-159*			

Matrix Spike Dup (0C29011-MSD1) Prepared: 03/29/2010 09:06 Analyzed: 03/29/2010 17:55

QUALITY CONTROL

Polychlorinated Biphenyls by GC - Quality Control

Batch 0C29011 - EPA 3510C

Matrix Spike Dup (0C29011-MSD1) Continued Prepared: 03/29/2010 09:06 Analyzed: 03/29/2010 17:55

Source: C002862-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
PCB-1016/1242	15		0.50	ug/L	10.0	0.19 U	153	66-149	4	21	QM-07
PCB-1260	13		0.50	ug/L	10.0	0.13 U	135	64-150	26	18	QR-02
Surrogate: 2,4,5,6-TCMX	*1.1*			*ug/L*	*1.00*		*110*	*45-151*			
Surrogate: Decachlorobiphenyl	*1.4*			*ug/L*	*1.00*		*140*	*42-159*			

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 0C24025 - EPA 245.1

Blank (0C24025-BLK1) Prepared: 03/24/2010 11:50 Analyzed: 03/24/2010 15:53

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.0540	U	0.200	ug/L							

LCS (0C24025-BS1) Prepared: 03/24/2010 11:50 Analyzed: 03/24/2010 15:56

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.21		0.200	ug/L	5.00		104	85-115			

Matrix Spike (0C24025-MS1) Prepared: 03/24/2010 11:50 Analyzed: 03/24/2010 16:01

Source: C002716-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.20		0.200	ug/L	5.00	0.0540 U	104	85-115			

Matrix Spike Dup (0C24025-MSD1) Prepared: 03/24/2010 11:50 Analyzed: 03/24/2010 16:04

Source: C002716-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.05		0.200	ug/L	5.00	0.0540 U	101	85-115	3	15	

Post Spike (0C24025-PS1) Prepared: 03/24/2010 11:50 Analyzed: 03/24/2010 16:07

Source: C002716-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.01		0.200	ug/L	5.00	-0.0843	102	75-125			

Batch 0C26012 - EPA 245.1

Blank (0C26012-BLK1) Prepared: 03/26/2010 10:07 Analyzed: 03/26/2010 15:54

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.0540	U	0.200	ug/L							

LCS (0C26012-BS1) Prepared: 03/26/2010 10:07 Analyzed: 03/26/2010 15:57

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 0C26012 - EPA 245.1

LCS (0C26012-BS1) Continued Prepared: 03/26/2010 10:07 Analyzed: 03/26/2010 15:57

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.53		0.200	ug/L	5.00		111	85-115			

Matrix Spike (0C26012-MS1) Prepared: 03/26/2010 10:07 Analyzed: 03/26/2010 16:02

Source: C002862-01

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	0.0540 U	105	85-115			

Matrix Spike Dup (0C26012-MSD1) Prepared: 03/26/2010 10:07 Analyzed: 03/26/2010 16:06

Source: C002862-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.46		0.200	ug/L	5.00	0.0540 U	109	85-115	4	15	

Post Spike (0C26012-PS1) Prepared: 03/26/2010 10:07 Analyzed: 03/26/2010 16:08

Source: C002862-01

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	0.00790	110	75-125			

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

Batch 0C24021 - EPA 3005A

Blank (0C24021-BLK1) Prepared: 03/24/2010 10:34 Analyzed: 03/26/2010 10:05

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							
Lead	1.90	U	10.0	ug/L							
Nickel	1.80	U	10.0	ug/L							
Selenium	2.70	U	10.0	ug/L							
Silver	1.90	U	10.0	ug/L							
Tin	2.10	U	10.0	ug/L							
Vanadium	1.40	U	10.0	ug/L							
Zinc	3.80	U	10.0	ug/L							

LCS (0C24021-BS1) Prepared: 03/24/2010 10:34 Analyzed: 03/26/2010 10:08

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1060		10.0	ug/L	1000		106	80-120			
Barium	1050		10.0	ug/L	1000		105	80-120			

QUALITY CONTROL

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

Batch 0C24021 - EPA 3005A

LCS (0C24021-BS1) Continued Prepared: 03/24/2010 10:34 Analyzed: 03/26/2010 10:08

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Beryllium	539		1.00	ug/L	500		108	80-120			
Cadmium	521		1.00	ug/L	500		104	80-120			
Chromium	1060		10.0	ug/L	1000		106	80-120			
Cobalt	1020		10.0	ug/L	1000		102	80-120			
Copper	535		10.0	ug/L	500		107	80-120			
Lead	1050		10.0	ug/L	1000		105	80-120			
Nickel	1050		10.0	ug/L	1000		105	80-120			
Selenium	1120		10.0	ug/L	1000		112	80-120			
Silver	103		10.0	ug/L	100		103	80-120			
Tin	1010		10.0	ug/L	1000		101	80-120			
Vanadium	519		10.0	ug/L	500		104	80-120			
Zinc	1070		10.0	ug/L	1000		107	80-120			

Matrix Spike (0C24021-MS1) Prepared: 03/24/2010 10:34 Analyzed: 03/26/2010 10:16

Source: C001845-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1090		10.0	ug/L	1000	2.80 U	109	75-125			
Barium	1110		10.0	ug/L	1000	21.1	109	75-125			
Beryllium	568		1.00	ug/L	500	0.180	113	75-125			
Cadmium	539		1.00	ug/L	500	0.360 U	108	75-125			
Chromium	1100		10.0	ug/L	1000	1.00 U	110	75-125			
Cobalt	1050		10.0	ug/L	1000	1.10 U	105	75-125			
Copper	574		10.0	ug/L	500	16.5	112	75-125			
Lead	1090		10.0	ug/L	1000	1.90 U	109	75-125			
Nickel	1090		10.0	ug/L	1000	1.80 U	109	75-125			
Selenium	1160		10.0	ug/L	1000	2.70 U	116	75-125			
Silver	107		10.0	ug/L	100	1.90 U	107	75-125			
Tin	1050		10.0	ug/L	1000	2.10 U	105	75-125			
Vanadium	541		10.0	ug/L	500	1.40 U	108	75-125			
Zinc	1200		10.0	ug/L	1000	80.9	112	75-125			

Matrix Spike Dup (0C24021-MSD1) Prepared: 03/24/2010 10:34 Analyzed: 03/26/2010 10:19

Source: C001845-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1080		10.0	ug/L	1000	2.80 U	108	75-125	2	20	
Barium	1090		10.0	ug/L	1000	21.1	106	75-125	2	20	
Beryllium	554		1.00	ug/L	500	0.180	111	75-125	2	20	
Cadmium	524		1.00	ug/L	500	0.360 U	105	75-125	3	20	
Chromium	1070		10.0	ug/L	1000	1.00 U	107	75-125	2	20	
Cobalt	1030		10.0	ug/L	1000	1.10 U	103	75-125	2	20	
Copper	560		10.0	ug/L	500	16.5	109	75-125	3	20	
Lead	1070		10.0	ug/L	1000	1.90 U	107	75-125	2	20	
Nickel	1060		10.0	ug/L	1000	1.80 U	106	75-125	3	20	
Selenium	1140		10.0	ug/L	1000	2.70 U	114	75-125	2	20	
Silver	105		10.0	ug/L	100	1.90 U	105	75-125	2	20	
Tin	1030		10.0	ug/L	1000	2.10 U	103	75-125	2	20	

QUALITY CONTROL

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

Batch 0C24021 - EPA 3005A

Matrix Spike Dup (0C24021-MSD1) Continued Prepared: 03/24/2010 10:34 Analyzed: 03/26/2010 10:19

Source: C001845-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Vanadium	527		10.0	ug/L	500	1.40 U	105	75-125	3	20	
Zinc	1170		10.0	ug/L	1000	80.9	108	75-125	3	20	

Post Spike (0C24021-PS1) Prepared: 03/24/2010 10:34 Analyzed: 03/26/2010 10:22

Source: C001845-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1.09		0.0100	mg/L	1.00	0.00152	109	80-120			
Barium	1.10		0.0100	mg/L	1.00	0.0211	108	80-120			
Beryllium	0.555		0.00100	mg/L	0.500	0.000180	111	80-120			
Cadmium	0.532		0.00100	mg/L	0.500	-3.77E-5	106	80-120			
Chromium	1.09		0.0100	mg/L	1.00	0.000961	109	80-120			
Cobalt	1.04		0.0100	mg/L	1.00	0.000407	104	80-120			
Copper	0.568		0.0100	mg/L	0.500	0.0165	110	80-120			
Lead	1.08		0.0100	mg/L	1.00	0.000102	108	80-120			
Nickel	1.07		0.0100	mg/L	1.00	0.00178	107	80-120			
Selenium	1.16		0.0100	mg/L	1.00	0.000858	115	80-120			
Silver	0.108		0.0100	mg/L	0.100	0.000546	107	80-120			
Tin	1.05		0.0100	mg/L	1.00	-0.000582	105	80-120			
Vanadium	0.535		0.0100	mg/L	0.500	0.000785	107	80-120			
Zinc	1.18		0.0100	mg/L	1.00	0.0809	110	80-120			

Batch 0C24028 - EPA 3005A

Blank (0C24028-BLK1) Prepared: 03/24/2010 13:00 Analyzed: 03/25/2010 13:18

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.220	U	2.00	ug/L							
Selenium	0.830	U	1.00	ug/L							
Thallium	0.110	U	1.00	ug/L							

LCS (0C24028-BS1) Prepared: 03/24/2010 13:00 Analyzed: 03/25/2010 13:22

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	24.3		2.00	ug/L	25.0		97	80-120			
Selenium	24.9		1.00	ug/L	25.0		100	80-120			
Thallium	26.1		1.00	ug/L	25.0		104	80-120			

Matrix Spike (0C24028-MS1) Prepared: 03/24/2010 13:00 Analyzed: 03/25/2010 13:29

Source: C003576-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	25.4		2.00	ug/L	25.0	0.220 U	102	75-125			
Selenium	26.9		1.00	ug/L	25.0	0.830 U	108	75-125			
Thallium	26.1		1.00	ug/L	25.0	0.110 U	104	75-125			

QUALITY CONTROL

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

Batch 0C24028 - EPA 3005A

Matrix Spike Dup (0C24028-MSD1) Prepared: 03/24/2010 13:00 Analyzed: 03/25/2010 13:32

Source: C003576-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	25.1		2.00	ug/L	25.0	0.220 U	101	75-125	1	20	
Selenium	26.5		1.00	ug/L	25.0	0.830 U	106	75-125	2	20	
Thallium	25.8		1.00	ug/L	25.0	0.110 U	103	75-125	1	20	

Post Spike (0C24028-PS1) Prepared: 03/24/2010 13:00 Analyzed: 03/25/2010 13:41

Source: C003576-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	25.3		2.00	ug/L	25.0	-0.00500	101	80-120			
Selenium	26.8		1.00	ug/L	25.0	0.199	106	80-120			
Thallium	26.1		1.00	ug/L	25.0	0.103	104	80-120			

Batch 0C25023 - EPA 3005A

Blank (0C25023-BLK1) Prepared: 03/25/2010 12:45 Analyzed: 03/26/2010 11:00

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

LCS (0C25023-BS1) Prepared: 03/25/2010 12:45 Analyzed: 03/26/2010 11:03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1050		10.0	ug/L	1000		105	80-120			
Barium	1050		10.0	ug/L	1000		105	80-120			
Beryllium	548		1.00	ug/L	500		110	80-120			
Cadmium	523		1.00	ug/L	500		105	80-120			
Chromium	1060		10.0	ug/L	1000		106	80-120			
Cobalt	1020		10.0	ug/L	1000		102	80-120			
Copper	536		10.0	ug/L	500		107	80-120			
Iron	10400		50.0	ug/L	10000		104	80-120			
Lead	1050		10.0	ug/L	1000		105	80-120			
Manganese	525		10.0	ug/L	500		105	80-120			

QUALITY CONTROL

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

Batch 0C25023 - EPA 3005A

LCS (0C25023-BS1) Continued Prepared: 03/25/2010 12:45 Analyzed: 03/26/2010 11:03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Nickel	1050		10.0	ug/L	1000		105	80-120			
Selenium	1120		10.0	ug/L	1000		112	80-120			
Silver	104		10.0	ug/L	100		104	80-120			
Tin	1010		10.0	ug/L	1000		101	80-120			
Vanadium	521		10.0	ug/L	500		104	80-120			
Zinc	1070		10.0	ug/L	1000		107	80-120			

Matrix Spike (0C25023-MS1) Prepared: 03/25/2010 12:45 Analyzed: 03/26/2010 11:15

Source: C002862-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1060		10.0	ug/L	1000	2.80 U	106	75-125			
Barium	1750		10.0	ug/L	1000	693	106	75-125			
Beryllium	545		1.00	ug/L	500	0.100 U	109	75-125			
Cadmium	502		1.00	ug/L	500	0.360 U	100	75-125			
Chromium	1040		10.0	ug/L	1000	1.00 U	104	75-125			
Cobalt	997		10.0	ug/L	1000	6.33	99	75-125			
Copper	531		10.0	ug/L	500	1.60 U	106	75-125			
Iron	12300		50.0	ug/L	10000	2030	103	75-125			
Lead	1030		10.0	ug/L	1000	2.20	103	75-125			
Manganese	8600		10.0	ug/L	500	7840	152	75-125			QM-07
Nickel	1010		10.0	ug/L	1000	1.80 U	101	75-125			
Selenium	1120		10.0	ug/L	1000	3.37	111	75-125			
Silver	105		10.0	ug/L	100	3.34	101	75-125			
Tin	1000		10.0	ug/L	1000	2.38	100	75-125			
Vanadium	516		10.0	ug/L	500	1.76	103	75-125			
Zinc	1050		10.0	ug/L	1000	36.7	102	75-125			

Matrix Spike Dup (0C25023-MSD1) Prepared: 03/25/2010 12:45 Analyzed: 03/26/2010 11:18

Source: C002862-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1060		10.0	ug/L	1000	2.80 U	106	75-125	0.4	20	
Barium	1750		10.0	ug/L	1000	693	106	75-125	0.2	20	
Beryllium	546		1.00	ug/L	500	0.100 U	109	75-125	0.2	20	
Cadmium	504		1.00	ug/L	500	0.360 U	101	75-125	0.5	20	
Chromium	1040		10.0	ug/L	1000	1.00 U	104	75-125	0.3	20	
Cobalt	1000		10.0	ug/L	1000	6.33	100	75-125	0.5	20	
Copper	532		10.0	ug/L	500	1.60 U	106	75-125	0.2	20	
Iron	12300		50.0	ug/L	10000	2030	103	75-125	0.2	20	
Lead	1030		10.0	ug/L	1000	2.20	103	75-125	0.4	20	
Manganese	8590		10.0	ug/L	500	7840	151	75-125	0.06	20	QM-07
Nickel	1020		10.0	ug/L	1000	1.80 U	102	75-125	0.6	20	
Selenium	1120		10.0	ug/L	1000	3.37	111	75-125	0.004	20	
Silver	105		10.0	ug/L	100	3.34	102	75-125	0.4	20	
Tin	996		10.0	ug/L	1000	2.38	99	75-125	0.5	20	
Vanadium	518		10.0	ug/L	500	1.76	103	75-125	0.3	20	
Zinc	1060		10.0	ug/L	1000	36.7	102	75-125	0.9	20	

QUALITY CONTROL

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

Batch 0C25023 - EPA 3005A

Post Spike (0C25023-PS1) Prepared: 03/25/2010 12:45 Analyzed: 03/26/2010 11:21

Source: C002862-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1.05		0.0100	mg/L	1.00	0.00114	105	80-120			
Barium	1.72		0.0100	mg/L	1.00	0.693	103	80-120			
Beryllium	0.538		0.00100	mg/L	0.500	7.43E-5	108	80-120			
Cadmium	0.496		0.00100	mg/L	0.500	0.000141	99	80-120			
Chromium	1.03		0.0100	mg/L	1.00	-0.000171	103	80-120			
Cobalt	0.988		0.0100	mg/L	1.00	0.00633	98	80-120			
Copper	0.526		0.0100	mg/L	0.500	-0.00177	105	80-120			
Iron	12.2		0.0500	mg/L	10.0	2.03	102	80-120			
Lead	1.02		0.0100	mg/L	1.00	0.00220	102	80-120			
Manganese	8.39		0.0100	mg/L	0.500	7.84	110	80-120			
Nickel	1.01		0.0100	mg/L	1.00	0.000616	101	80-120			
Selenium	1.10		0.0100	mg/L	1.00	0.00337	110	80-120			
Silver	0.105		0.0100	mg/L	0.100	0.00334	101	80-120			
Tin	0.991		0.0100	mg/L	1.00	0.00238	99	80-120			
Vanadium	0.511		0.0100	mg/L	0.500	0.00176	102	80-120			
Zinc	1.05		0.0100	mg/L	1.00	0.0367	101	80-120			

Batch 0C25024 - EPA 3005A

Blank (0C25024-BLK1) Prepared: 03/25/2010 13:06 Analyzed: 03/30/2010 09:56

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.220	U	2.00	ug/L							
Selenium	0.830	U	1.00	ug/L							
Thallium	0.110	U	1.00	ug/L							

LCS (0C25024-BS1) Prepared: 03/25/2010 13:06 Analyzed: 03/30/2010 10:00

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	27.7		2.00	ug/L	25.0		111	80-120			
Selenium	27.4		1.00	ug/L	25.0		110	80-120			
Thallium	27.5		1.00	ug/L	25.0		110	80-120			

Matrix Spike (0C25024-MS1) Prepared: 03/25/2010 13:06 Analyzed: 03/30/2010 10:07

Source: C002862-01

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	0.441	103	75-125			
Selenium	27.2		1.00	ug/L	25.0	0.830 U	109	75-125			
Thallium	26.1		1.00	ug/L	25.0	0.620	102	75-125			

Matrix Spike Dup (0C25024-MSD1) Prepared: 03/25/2010 13:06 Analyzed: 03/30/2010 10:10

Source: C002862-01

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 0C25024 - EPA 3005A

Matrix Spike Dup (0C25024-MSD1) Continued Prepared: 03/25/2010 13:06 Analyzed: 03/30/2010 10:10

Source: C002862-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	25.9		2.00	ug/L	25.0	0.441	102	75-125	1	20	
Selenium	26.7		1.00	ug/L	25.0	0.830 U	107	75-125	2	20	
Thallium	25.8		1.00	ug/L	25.0	0.620	101	75-125	1	20	

Post Spike (0C25024-PS1) Prepared: 03/25/2010 13:06 Analyzed: 03/30/2010 10:14

Source: C002862-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	28.7		2.00	ug/L	25.0	0.441	113	80-120			
Selenium	28.4		1.00	ug/L	25.0	0.237	113	80-120			
Thallium	27.9		1.00	ug/L	25.0	0.620	109	80-120			

Classical Chemistry Parameters - Quality Control

Batch 0C26018 - EPA 9010C

Blank (0C26018-BLK1) Prepared: 03/26/2010 12:43 Analyzed: 03/29/2010 15:50

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	0.005	U	0.005	mg/L							

LCS (0C26018-BS1) Prepared: 03/26/2010 12:43 Analyzed: 03/29/2010 15:52

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	0.15		0.005	mg/L	0.150		103	90-110			

Matrix Spike (0C26018-MS1) Prepared: 03/27/2010 10:32 Analyzed: 03/29/2010 16:39

Source: C002862-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	0.24		0.005	mg/L	0.150	0.005 U	157	90-110			QM-07, QM-11

Matrix Spike Dup (0C26018-MSD1) Prepared: 03/27/2010 10:32 Analyzed: 03/29/2010 16:40

Source: C002862-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Cyanide (total)	0.15		0.005	mg/L	0.150	0.005 U	99	90-110	46	10	QM-11

Batch 0C29024 - NO PREP

Blank (0C29024-BLK1) Prepared: 03/29/2010 14:02 Analyzed: 03/29/2010 14:36

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	0.031	U	0.10	mg/L							

LCS (0C29024-BS1) Prepared: 03/29/2010 14:02 Analyzed: 03/29/2010 14:36

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 0C29024 - NO PREP

LCS (0C29024-BS1) Continued Prepared: 03/29/2010 14:02 Analyzed: 03/29/2010 14:36

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	0.41		0.10	mg/L	0.401		103	80-120			

Matrix Spike (0C29024-MS1) Prepared: 03/29/2010 14:02 Analyzed: 03/29/2010 14:36

Source: C002861-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	0.21		0.10	mg/L	0.401	0.0003	51	80-120			QM-07

Matrix Spike (0C29024-MS2) Prepared: 03/29/2010 14:02 Analyzed: 03/29/2010 14:36

Source: C002862-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	-0.012	U	0.10	mg/L	0.401	0.031 U		80-120			QM-07

Matrix Spike Dup (0C29024-MSD1) Prepared: 03/29/2010 14:02 Analyzed: 03/29/2010 14:36

Source: C002861-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	0.20		0.10	mg/L	0.401	0.0003	49	80-120	5	25	QM-07

Matrix Spike Dup (0C29024-MSD2) Prepared: 03/29/2010 14:02 Analyzed: 03/29/2010 14:36

Source: C002862-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfide	-0.012	U	0.10	mg/L	0.401	0.031 U		80-120		25	QM-07

QUALITY CONTROL

Chlorinated Herbicides by GC - Quality Control

Batch 0C25009 - EPA 3510C

Blank (0C25009-BLK1) Prepared: 03/25/2010 12:40 Analyzed: 03/26/2010 17:56

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-T	0.053	U	0.50	ug/L							
2,4,5-TP (Silvex)	0.056	U	0.50	ug/L							
2,4-D	0.091	U	0.50	ug/L							
Dinoseb	0.28	U	0.50	ug/L							
Pentachlorophenol	0.043	U	0.50	ug/L							
Surrogate: 2,4-DCAA	*2.0*			*ug/L*	*2.00*		*102*	*68-139*			

LCS (0C25009-BS1) Prepared: 03/25/2010 12:40 Analyzed: 03/26/2010 18:21

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	2.0		0.50	ug/L	2.00		100	68-154			
2,4-D	2.1		0.50	ug/L	2.00		103	62-144			

QUALITY CONTROL

Chlorinated Herbicides by GC - Quality Control

Batch 0C25009 - EPA 3510C

LCS (0C25009-BS1) Continued Prepared: 03/25/2010 12:40 Analyzed: 03/26/2010 18:21

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: 2,4-DCAA	*2.0*			*ug/L*	*2.00*		*100*	*68-139*			

Matrix Spike (0C25009-MS1) Prepared: 03/25/2010 12:40 Analyzed: 03/26/2010 18:45

Source: A001533-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	2.1		0.50	ug/L	2.00	0.056 U	106	68-154			
2,4-D	2.2		0.50	ug/L	2.00	0.091 U	111	62-144			
Surrogate: 2,4-DCAA	*2.1*			*ug/L*	*2.00*		*106*	*68-139*			

Matrix Spike Dup (0C25009-MSD1) Prepared: 03/25/2010 12:40 Analyzed: 03/26/2010 19:09

Source: A001533-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	2.2		0.50	ug/L	2.00	0.056 U	111	68-154	4	15	
2,4-D	2.4		0.50	ug/L	2.00	0.091 U	120	62-144	8	33	
Surrogate: 2,4-DCAA	*2.1*			*ug/L*	*2.00*		*106*	*68-139*			

Batch 0C30034 - EPA 3510C

Blank (0C30034-BLK1) Prepared: 03/30/2010 17:51 Analyzed: 04/01/2010 13:14

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-T	0.053	U	0.50	ug/L							
2,4,5-TP (Silvex)	0.056	U	0.50	ug/L							
2,4-D	0.091	U	0.50	ug/L							
Dinoseb	0.28	U	0.50	ug/L							
Pentachlorophenol	0.043	U	0.50	ug/L							
Surrogate: 2,4-DCAA	*1.6*			*ug/L*	*2.00*		*79*	*68-139*			

LCS (0C30034-BS1) Prepared: 03/30/2010 17:51 Analyzed: 04/01/2010 13:39

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	1.9		0.50	ug/L	2.00		94	68-154			
2,4-D	1.9		0.50	ug/L	2.00		93	62-144			
Surrogate: 2,4-DCAA	*2.0*			*ug/L*	*2.00*		*100*	*68-139*			

Matrix Spike (0C30034-MS1) Prepared: 03/30/2010 17:51 Analyzed: 04/01/2010 14:03

Source: C002862-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	2.1		0.50	ug/L	2.00	0.056 U	105	68-154			
2,4-D	2.1		0.50	ug/L	2.00	0.091 U	106	57-132			
Surrogate: 2,4-DCAA	*2.7*			*ug/L*	*2.00*		*137*	*68-139*			

QUALITY CONTROL

Chlorinated Herbicides by GC - Quality Control

Batch 0C30034 - EPA 3510C

Matrix Spike Dup (0C30034-MSD1) Prepared: 03/30/2010 17:51 Analyzed: 04/01/2010 14:27

Source: C002862-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2,4,5-TP (Silvex)	2.1		0.50	ug/L	2.00	0.056 U	105	68-154	0.2	15	
2,4-D	2.1		0.50	ug/L	2.00	0.091 U	106	57-132	0.09	21	
Surrogate: 2,4-DCAA	*2.7*			*ug/L*	*2.00*		*137*	*68-139*			

FLAGS/NOTES AND DEFINITIONS

B	The analyte was detected in the associated method blank.
D	The sample was analyzed at dilution.
J	The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.
U	The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
MRL	Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.
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-11	Precision between duplicate matrix spikes of the same sample was outside acceptance limits.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QV-01	The associated continuing calibration verification standard exhibited high bias; since the result is ND, the impact on data quality is minimal.

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

10775 Central Port Dr.
Orlando, FL 32824
(407) 826-5314 Fax (407) 850-6945

4810 Executive Park Court, Suite 211
Jacksonville, FL 32216-6069
(904) 296-3007 Fax (904) 296-6210

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

Page 1 of 2

Client Name: Golder Associates, Inc. (GO007)	Project Number: 08396506010.100
Address: The Wingate Building 4900 Koger Blvd., Suite 140	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): Dusty Reedy Golder	Billing Contact: Accounts Payable
Sampler(s) Signature: Dusty Reedy	Facility # (if required)

Requested Turnaround Times

Note: Rush requests subject to acceptance by the facility

✓ Standard

___ Expedited

Due __/__/__

Lab Workorder: C002862

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	8081B Appendix 2, 8082A Appendix 2, 8151A, Appendix 2, 8270D Appendix 2	8260B Appendix 1	8260B Appendix 2	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Ni,Pb,Sb,Se,Sn,Tl,V,Zn	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Ni,Pb,Sb,Se,Sn,Tl,V,Zn	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn	Cyanide Total 335.4	Hg	Hg,Hg/F	Sulfide SM4500-S D	Sample Comments
	~~4501-MW5 (Background)~~				GW	10	X		X		X		X	X		X	
	~~4501-MW6~~				GW	10	X		X		X		X	X		X	DRY
	~~4501-MW7~~				GW	10	X		X		X		X	X		X	
	4501-MW8 (MS/MSD)	3-24-10	835	G	GW	18	X		X		X		X		X	X	Run dissolved Hg only if detected in Total sample
	4501-AMW1S	3-23-10	1150	G	GW	4		X				X		X			
	4501-AMW1D	3-23-10	1200	G	GW	4		X				X		X			
	4501-AMW2S	3-23-10	1217	G	GW	4		X				X		X			
	4501-AMW2D	3-23-10	1225	G	GW	4		X				X		X			
	4501-BR1	3-24-10	1025	G	SW	4		X				X					
	4501-BR2	3-24-10	1053	G	SW	4		X				X					
	4501-BR3	3-23-10	1240	G	SW	4		X				X					
	4501-SW1	3-24-10		G	SW	4		X				X					

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
BJG	3/17/10	Dusty Reedy	3/25/10/8:00	Briana Gregory	3/25/10 10:50

Comments: Special reporting per Stillwater request. Provide Level 2 report. Unit rates per Basic Ordering Agreement dated April 4, 2004 and the 2010 Price List.

Cooler #s & Temps on Receipt: C-703 C-31 C-626 2.4°C C-507 3.1°C

Condition Upon Receipt: X Acceptable ___ Unacceptable

Matrix: GW-Groundwater SO-Soil 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 preset written agreements exist

LOA per Dusty Reedy Dusty Reedy Approved by Stephanie

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

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

Page 2 of 2

Client Name: Golder Associates, Inc. (GO007)	Project Number: 08396506010.100
Address: The Wingate Building 4900 Koger Blvd., Suite 140	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): David Reedy Golder	Billing Contact: Accounts Payable
Sampler(s) Signature: [signature]	Facility # (if required)

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

Lab Workorder: C002862

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	8081B Appendix 2.8082A Appendix 2.8151A Appendix 2.8270D Appendix 2	8260B Appendix 1	8260B Appendix 2	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Fe,Mn,Ni,Pb,Sb,Se,Sn,Tl,V,Zn	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Ni,Pb,Sb,Se,Sn,Tl,V,Zn	Ag,As,Ba,Be,Cd,Co,Cr,Cu,Ni,Pb,Sb,Se,Tl,V,Zn	Cyanide Total 335.4	Hg	Hg,Hg/F	Sulfide SM4500-S D	Sample Comments
	4501-Field Blank	3-24-10	1125	G	GW	10	X		X	X			X	X		X	
	4501-Trip Blank				SW	2			X								

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
BJG	3/17/10	[signature]	3-25-10/8:00	Briana Gregory	3/25/10 10:50
		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By	Date/Time

Comments: 1. Please provide a level 2 report. 2. Unit rates per Basic Ordering Agreement dated April 9, 2004 and the 2010 Price List.

Cooler #'s & Temps on Receipt: C-703 C-31 C-620 2.4°C C-507 3.1°C

Condition Upon Receipt: X Acceptable ___ Unacceptable

Matrix: GW-Groundwater SO-Soil 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 agreement exist.

LOA per Ryan Stringfellow [signature] Approved By [signature]

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

10775 Central Port Dr.
Orlando, FL 32824
(407) 826-5314 Fax (407) 850-6945

4810 Executive Park Court, Suite 211
Jacksonville, FL 32216-6069
(904) 296-3007 Fax (904) 296-6210

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

Page 1 of 1

Client Name: Golder Associates	Project Number: 0839650609.800
Address: 4900 Koger Blvd. Suite 140	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): David Reedy, Golder	Billing Contact: Accounts Payable
Sampler(s) Signature: [signature]	Facility # (if required):

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

Lab Workorder: C003576

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	Appendix II metals	Appendix D 8260B	8081B, 8081A, 8151A, 8270D Appendix II	Cyanide 335.4	H2S	sulfide					Sample Comments
	4501-MW5	3-23-10	1110	G	GW		X	X	X	X	X	X					NC Appendix II
	4501-MW7	3-23-10	1140	G	GW		X	X	X	X	X	X					

<-- Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
		[signature]	3-23-10 / 1730	[signature]	3/24/10 9:30

Comments: Provide Level 2 data package. Unit rates per Basic Ordering Agreement dated April 9, 2009 and 2009 Unit Price List

Cooler #'s & Temps on Receipt: 1.2°C

Condition Upon Receipt: ✓ Acceptable ___ Unacceptable

Matrix: GW-Groundwater SO-Soil 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.

LOA per [signature]

Accepted by [signature]

WORK ORDER

Printed: 4/8/2010 2:36:48PM

C002862

ENCO Cary

Sample Receipt Conditions

Client:	**Golder Associates, Inc. (GO007)**	**Lab Project Mgr:**	**Stephanie Franz**
Project:	**Henderson Co. LF**	**Project Number:**	**08396506010.100**
PO #:			

Report To:

Golder Associates, Inc. (GO007)
Dusty Reedy
The Wingate Building 4900 Koger Blvd., Suite 140
Greensboro, NC 27407
Phone: (336) 852-4903
Fax: (336) 852-4904

Invoice To:

Golder Associates, Inc. (GO007)
Accounts Payable
The Wingate Building 4900 Koger Blvd., Suite 140
Greensboro, NC 27407
Phone :(804) 358-7900
Fax: 804-358-2900

Received By:	Briana J Gregory	Date Received:	25-Mar-10 10:50
Logged In By:	Briana J Gregory	Date Logged In:	25-Mar-10 12:39

Work Order Comments:

C-507 received at 3.1°C

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

C-620 received at 2.4°C

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

Project Name: Henderson County MSW Landfill

Project Reference Number: 0839-650609.800

Sampling Event Date: March 23-24, 2010

Review Date: May 3, 2010 *Initials:* DR

Report #: C002862

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)

_X_ NC Appendix I

___ NC Appendix I + Detects

_X_ NC Appendix II

___ NC Subtitle D Leachate List

Other: _____

1.0 CHAIN OF CUSTODY (COC) REVIEW

DR COC was properly signed by all parties.

DR Correct project name and number are on the form.

Project number on the report is 08396506010.100, but it should be 08396506090.800.

DR Sample receipt condition at laboratory was acceptable.

DR Each sample and blank submitted for analysis appears in the report.

2.0 SAMPLE HOLDING TIMES

DR 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

DR Laboratory analyzed at least one internal blank for each method, where applicable.

DR Laboratory blank is interference-free.

DR Surrogate recoveries are provided for each analytical method, where applicable.

DR Surrogate recoveries for each method are within the acceptable limits (i.e., at least 50% of the surrogates were within range).

DR MS/MSD/LCS data results are provided for each analytical method.

DR 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 recoveryof PCB 1016/1242 in the 8260A MSD sample, trichloroethene in the 8260B MS and MSD samples, sulfide in the MS and MSD samples, cyanide in the MS sample, and manganese in the 6010C MS and MSD samples were outside control limits.

4.0 ANALYTE LISTS/METHODS

DR The proper number of constituents are present for each analyte list as identified above (including detects where applicable).

DR Proper EPA SW-846 analytical methods were used for analysis.

5.0 DATA REPORTING

DR All analytical reporting associated with the event was performed by the contracted lab.

DR 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 @ 2.13 ug/L "J"
Iron @ 27.6 ug/L "J"
Barium @ 1.54 ug/L "J"

DR 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.

DR The report provides the reporting limit for each constituent.

DR 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.

DR 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-7:	***1,4-Dichlorobenzene @ 9.8 ug/L (SWSL = 1 ug/L)***
	Benzene @ 1.4 ug/L (SWSL = 1 ug/L)
	Chlorobenzene @ 6.4 ug/L (SWSL = 3 ug/L)
	Cis-1,2-Dichloroethene @ 7.0 ug/L (SWSL = 5 ug/L)
	Vinyl chloride @ 1.2 ug/L (SWSL = 1 ug/L)
AMW-1D:	***1,4-Dichlorobenzene @ 3.2 ug/L (SWSL = 1 ug/L)***
	Benzene @ 1.1 ug/L (SWSL = 1 ug/L)
	Chlorobenzene @ 4.6 ug/L (SWSL = 3 ug/L)
	Vinyl chloride @ 0.6 ug/L (NC2L = 0.03 ug/L)
AMW-2S:	***1,4-Dichlorobenzene @ 1.2 ug/L (SWSL = 1 ug/L)***
BR-2:	***1,4-Dichlorobenzene @ 1.4 ug/L (SWSL = 1 ug/L)***

NC2L and/or GWPS Exceedances:

MW-7:	***1,4-Dichlorobenzene @ 9.8 ug/L (NC2L = 6 ug/L)***
	Benzene @ 1.4 ug/L (NC2L = 1 ug/L)
	Vinyl chloride @ 1.2 ug/L (NC2L = 0.03 ug/L)
MW-8:	***Tetrachloroethene @ 0.80 ug/L (NC2L = 0.7 ug/L)***
	Thallium @ 0.620 ug/L "J" (GWPS = 0.28 ug/L)
AMW-1D:	***Benzene @ 1.1 ug/L (NC2L = 1 ug/L)***

DR No inorganic and organic constituents were detected in a well or surface water point at concentrations outside of their historical range (more than 5X previous concentrations or first-time detections).

BR-3: ***Antimony @ 0.521 ug/L "J" (first time detected above SWSL)***

DR Other report issues/Communications with laboratory/etc.:

Iron and manganese are reported for MW-8, but should not be.

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

Tuesday, April 6, 2010

Golder Associates, Inc. (GO007)

Attn: Dusty Reedy

The Wingate Building 4900 Koger Blvd., Suite 140

Greensboro, NC 27407

RE: Laboratory Results for
Project Number: 08396506010.100, Project Name/Desc: Henderson Co. LF C&D
ENCO Workorder: C002861

Dear Dusty Reedy,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Thursday, March 25, 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 35.

PROJECT NARRATIVE

Date: 06 April 2010
Client: Golder Associates, Inc. (GO007)
Project: Henderson Co. LF C&D
Lab ID: C002861

Overview

This report is an amendment to the original report dated 05 April 2010. This report was revised to divide the report into C&D parameters and Indicator parameters.

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 recovery of Total Alkalinity could not be accurately calculated in the MS and MSD samples due to the high concentration of analyte in the source sample. The QC batch was approved based on acceptable LCS recovery of this analyte.

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

The spike recoveries of Manganese and Selenium in the 6010C and 6020A Post Spike samples were outside of control limits due to confirmed matrix effects.

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: C002861-01 | Sampled: 03/24/10 09:10 | Received: 03/25/10 10:50

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	04/21/10	03/30/10 07:22	3/30/2010 11:57
EPA 310.2	04/07/10	04/02/10 07:57	4/2/2010 11:49
EPA 6010C	09/20/10	03/26/10 10:16	3/28/2010 13:42
EPA 6020A	09/20/10	03/26/10 10:33	3/30/2010 11:40
EPA 7470A	04/21/10	03/26/10 10:08	3/26/2010 15:35
EPA 8260B	04/07/10	03/26/10 09:19	3/26/2010 16:54
SM 2540C	03/31/10	03/30/10 16:45	3/30/2010 16:45
SM4500-Cl/E	04/21/10	03/26/10 09:30	3/26/2010 11:17

Client ID: 4501-MW11 (MS/MSD) | Lab ID: C002861-02 | Sampled: 03/24/10 10:00 | Received: 03/25/10 10:50

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	04/21/10	03/30/10 07:22	3/30/2010 13:02
EPA 310.2	04/07/10	04/02/10 07:57	4/2/2010 11:50
EPA 6010C	09/20/10	03/26/10 10:16	3/28/2010 13:29
EPA 6020A	09/20/10	03/26/10 10:33	3/30/2010 11:22
EPA 7470A	04/21/10	03/26/10 10:08	3/26/2010 15:20
EPA 8260B	04/07/10	03/26/10 09:19	3/26/2010 19:21
SM 2540C	03/31/10	03/25/10 17:45	3/25/2010 17:45
SM4500-Cl/E	04/21/10	03/26/10 09:30	3/26/2010 11:18

Client ID: 4501-MW12 | Lab ID: C002861-03 | Sampled: 03/24/10 09:45 | Received: 03/25/10 10:50

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	04/21/10	03/30/10 07:22	3/30/2010 13:45
EPA 310.2	04/07/10	04/02/10 07:57	4/2/2010 11:52
EPA 6010C	09/20/10	03/26/10 10:16	3/28/2010 13:44
EPA 6020A	09/20/10	03/26/10 10:33	3/30/2010 11:44
EPA 7470A	04/21/10	03/26/10 10:08	3/26/2010 15:42
EPA 8260B	04/07/10	03/26/10 09:19	3/26/2010 19:50
SM 2540C	03/31/10	03/30/10 16:45	3/30/2010 16:45
SM4500-Cl/E	04/21/10	03/26/10 09:30	3/26/2010 11:45

Client ID: 4501-MW13 | Lab ID: C002861-04 | Sampled: 03/24/10 09:30 | Received: 03/25/10 10:50

Parameter	Hold Date/Time(s)	Prep Date/Time(s)	Analysis Date/Time(s)
EPA 300.0	04/21/10	03/30/10 07:22	3/30/2010 14:07
EPA 310.2	04/07/10	04/02/10 07:57	4/2/2010 11:53
EPA 6010C	09/20/10	03/26/10 10:16	3/28/2010 13:46
EPA 6020A	09/20/10	03/26/10 10:33	3/30/2010 11:47
EPA 7470A	04/21/10	03/26/10 10:08	3/26/2010 15:45
EPA 8260B	04/07/10	03/26/10 09:19	3/26/2010 20:20
SM 2540C	03/31/10	03/30/10 16:45	3/30/2010 16:45
SM4500-Cl/E	04/21/10	03/26/10 09:30	3/26/2010 11:45

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NORTH CAROLINA SWS SAMPLE DETECTION SUMMARY

Client ID: 4501-MW10 **Lab ID: C002861-01**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
Barium - Total	2.75	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Beryllium - Total	0.178	J	1	0.100	1.00	1	ug/L	EPA 6010C	
Iron - Total	151	J	1	22.0	50.0	300	ug/L	EPA 6010C	
Manganese - Total	4.51	J	1	1.10	10.0	50	ug/L	EPA 6010C	
Total Alkalinity	9.6	J	1	8.0	15	NE	mg/L	EPA 310.2	
Total Dissolved Solids	22		1	10	10	NE	mg/L	SM 2540C	
Zinc - Total	13.2		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4501-MW11 (MS/MSD) **Lab ID: C002861-02**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,4-Dichlorobenzene	0.46	J	1	0.10	1.0	1	ug/L	EPA 8260B	
Acetone	19	J	1	1.5	5.0	100	ug/L	EPA 8260B	
Barium - Total	33.7	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Beryllium - Total	1.46		1	0.100	1.00	1	ug/L	EPA 6010C	
Chloride	1.7	J	1	1.2	5.0	NE	mg/L	SM4500-Cl/E	
cis-1,2-Dichloroethene	5.3		1	0.075	1.0	5	ug/L	EPA 8260B	
Cobalt - Total	4.30	J	1	1.10	10.0	10	ug/L	EPA 6010C	
Copper - Total	2.76	J	1	1.60	10.0	10	ug/L	EPA 6010C	
Iron - Total	2050		1	22.0	50.0	300	ug/L	EPA 6010C	
Manganese - Total	1780		1	1.10	10.0	50	ug/L	EPA 6010C	
Mercury - Total	0.0586	J	1	0.0540	0.200	0.2	ug/L	EPA 7470A	
Sulfate as SO4	5.3	J	1	0.12	5.0	250000	mg/L	EPA 300.0	
Tetrachloroethene	3.4		1	0.099	1.0	1	ug/L	EPA 8260B	
Total Alkalinity	57		1	8.0	15	NE	mg/L	EPA 310.2	
Total Dissolved Solids	110		1	10	10	NE	mg/L	SM 2540C	
Trichloroethene	0.90	J	1	0.13	1.0	1	ug/L	EPA 8260B	
Vanadium - Total	2.62	J	1	1.40	10.0	25	ug/L	EPA 6010C	
Xylenes (Total)	0.62	J	1	0.22	1.0	5	ug/L	EPA 8260B	
Zinc - Total	20.0		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4501-MW12 **Lab ID: C002861-03**

Analyte	Results	Flag	DF	MDL	MRL	NC SWSL	Units	Method	Notes
1,1-Dichloroethane	0.47	J	1	0.050	1.0	5	ug/L	EPA 8260B	
Acetone	13	J	1	1.5	5.0	100	ug/L	EPA 8260B	
Barium - Total	14.3	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Beryllium - Total	0.130	J	1	0.100	1.00	1	ug/L	EPA 6010C	
Chloride	7.3		1	1.2	5.0	NE	mg/L	SM4500-Cl/E	
Iron - Total	830		1	22.0	50.0	300	ug/L	EPA 6010C	
Lead - Total	2.18	J	1	1.90	10.0	10	ug/L	EPA 6010C	
Manganese - Total	142		1	1.10	10.0	50	ug/L	EPA 6010C	
Mercury - Total	0.144	J	1	0.0540	0.200	0.2	ug/L	EPA 7470A	
Methylene chloride	0.92	J	1	0.070	1.0	1	ug/L	EPA 8260B	
Sulfate as SO4	16	J	1	0.12	5.0	250000	mg/L	EPA 300.0	
Tetrachloroethene	1.6		1	0.099	1.0	1	ug/L	EPA 8260B	
Total Alkalinity	76		1	8.0	15	NE	mg/L	EPA 310.2	
Total Dissolved Solids	170		1	10	10	NE	mg/L	SM 2540C	
Trichloroethene	0.52	J	1	0.13	1.0	1	ug/L	EPA 8260B	
Trichlorofluoromethane	2.6		1	0.15	1.0	1	ug/L	EPA 8260B	
Vanadium - Total	1.57	J	1	1.40	10.0	25	ug/L	EPA 6010C	

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Client ID: 4501-MW12				Lab ID: C002861-03					
Analyte	**Results**	**Flag**	**DF**	**MDL**	**MRL**	**NC SWSL**	**Units**	**Method**	**Notes**
Zinc - Total	21.5		1	3.80	10.0	10	ug/L	EPA 6010C	

Client ID: 4501-MW13				Lab ID: C002861-04					
Analyte	**Results**	**Flag**	**DF**	**MDL**	**MRL**	**NC SWSL**	**Units**	**Method**	**Notes**
1,4-Dichlorobenzene	0.45	J	1	0.10	1.0	1	ug/L	EPA 8260B	
Barium - Total	12.1	J	1	1.00	10.0	100	ug/L	EPA 6010C	
Chloride	2.5	J	1	1.2	5.0	NE	mg/L	SM4500-Cl/E	
cis-1,2-Dichloroethene	0.84	J	1	0.075	1.0	5	ug/L	EPA 8260B	
Iron - Total	564		1	22.0	50.0	300	ug/L	EPA 6010C	
Manganese - Total	111		1	1.10	10.0	50	ug/L	EPA 6010C	
Sulfate as SO4	2.1	J	1	0.12	5.0	250000	mg/L	EPA 300.0	
Tetrachloroethene	0.56	J	1	0.099	1.0	1	ug/L	EPA 8260B	
Total Alkalinity	75		1	8.0	15	NE	mg/L	EPA 310.2	
Total Dissolved Solids	140		1	10	10	NE	mg/L	SM 2540C	
Trichlorofluoromethane	1.0		1	0.15	1.0	1	ug/L	EPA 8260B	
Zinc - Total	12.2		1	3.80	10.0	10	ug/L	EPA 6010C	

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ANALYTICAL RESULTS

Description: 4501-MW10 **Lab Sample ID:** C002861-01 **Received:** 03/25/10 10:50
Matrix: Ground Water **Sampled:** 03/24/10 09:10 **Work Order:** C002861
Project: Henderson Co. LF C&D **Sampled By:** Ryan Stringfellow

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	03/26/10 16:54	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/26/10 16:54	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	03/26/10 16:54	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	03/26/10 16:54	JKG	
1,1-Dichloroethane [75-34-3] ^	0.050	U	ug/L	1	0.050	1.0	5	EPA 8260B	03/26/10 16:54	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	03/26/10 16:54	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/26/10 16:54	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	03/26/10 16:54	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	03/26/10 16:54	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	03/26/10 16:54	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	03/26/10 16:54	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	03/26/10 16:54	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	03/26/10 16:54	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	03/26/10 16:54	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	03/26/10 16:54	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	03/26/10 16:54	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	03/26/10 16:54	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	03/26/10 16:54	JKG	
Benzene [71-43-2] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	03/26/10 16:54	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	03/26/10 16:54	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	03/26/10 16:54	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	03/26/10 16:54	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	03/26/10 16:54	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	03/26/10 16:54	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	03/26/10 16:54	JKG	
Chlorobenzene [108-90-7] ^	0.069	U	ug/L	1	0.069	1.0	3	EPA 8260B	03/26/10 16:54	JKG	
Chloroethane [75-00-3] ^	0.18	U	ug/L	1	0.18	1.0	10	EPA 8260B	03/26/10 16:54	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	03/26/10 16:54	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	03/26/10 16:54	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.075	U	ug/L	1	0.075	1.0	5	EPA 8260B	03/26/10 16:54	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	03/26/10 16:54	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	03/26/10 16:54	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	03/26/10 16:54	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	03/26/10 16:54	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	03/26/10 16:54	JKG	
Methylene chloride [75-09-2] ^	0.070	U	ug/L	1	0.070	1.0	1	EPA 8260B	03/26/10 16:54	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	03/26/10 16:54	JKG	
Tetrachloroethene [127-18-4] ^	0.099	U	ug/L	1	0.099	1.0	1	EPA 8260B	03/26/10 16:54	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	03/26/10 16:54	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	03/26/10 16:54	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	03/26/10 16:54	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	03/26/10 16:54	JKG	
Trichloroethene [79-01-6] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	03/26/10 16:54	JKG	

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Matrix: Ground Water
Project: Henderson Co. LF C&D

Lab Sample ID: C002861-01
Sampled: 03/24/10 09:10
Sampled By: Ryan Stringfellow

Received: 03/25/10 10:50
Work Order: C002861

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] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/26/10 16:54	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	03/26/10 16:54	JKG	
Vinyl chloride [75-01-4] ^	0.083	U	ug/L	1	0.083	1.0	1	EPA 8260B	03/26/10 16:54	JKG	
Xylenes (Total) [1330-20-7] ^	0.22	U	ug/L	1	0.22	1.0	5	EPA 8260B	03/26/10 16:54	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*36*	*1*	*50.0*	*71 %*	*51-122*	*0C26006*	*EPA 8260B*	*03/26/10 16:54*	*JKG*	
Dibromofluoromethane	*40*	*1*	*50.0*	*80 %*	*68-117*	*0C26006*	*EPA 8260B*	*03/26/10 16:54*	*JKG*	
Toluene-d8	*44*	*1*	*50.0*	*88 %*	*69-110*	*0C26006*	*EPA 8260B*	*03/26/10 16:54*	*JKG*	

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Lab Sample ID: C002861-01
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Received: 03/25/10 10:50
Work Order: C002861

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] ^	0.0540	U	ug/L	1	0.0540	0.200	0.2	EPA 7470A	03/26/10 15:35	NLH	

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Project: Henderson Co. LF C&D | **Sampled By:** Ryan Stringfellow

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	03/30/10 11:40	JDH	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	03/28/10 13:42	JDH	
Barium [7440-39-3] ^	**2.75**	J	ug/L	1	1.00	10.0	100	EPA 6010C	03/28/10 13:42	JDH	
Beryllium [7440-41-7] ^	**0.178**	J	ug/L	1	0.100	1.00	1	EPA 6010C	03/28/10 13:42	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	03/28/10 13:42	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	03/28/10 13:42	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	03/28/10 13:42	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	03/28/10 13:42	JDH	
Iron [7439-89-6] ^	**151**	J	ug/L	1	22.0	50.0	300	EPA 6010C	03/28/10 13:42	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	03/28/10 13:42	JDH	
Manganese [7439-96-5] ^	**4.51**	J	ug/L	1	1.10	10.0	50	EPA 6010C	03/28/10 13:42	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	03/28/10 13:42	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	03/30/10 11:40	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	03/28/10 13:42	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	03/30/10 11:40	JDH	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	03/28/10 13:42	JDH	
Zinc [7440-66-6] ^	**13.2**		ug/L	1	3.80	10.0	10	EPA 6010C	03/28/10 13:42	JDH	

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

Lab Sample ID: C002861-01
Sampled: 03/24/10 09:10
Sampled By: Ryan Stringfellow

Received: 03/25/10 10:50
Work Order: C002861

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] ^	1.2	U	mg/L	1	1.2	5.0	NE	SM4500-Cl/E	03/26/10 11:17	PEV	
Sulfate as SO4 [14808-79-8] ^	0.12	U	mg/L	1	0.12	5.0	250000	EPA 300.0	03/30/10 11:57	PEV	
Total Alkalinity [471-34-1] ^	**9.6**	J	mg/L	1	8.0	15	NE	EPA 310.2	04/02/10 11:49	PEV	
Total Dissolved Solids [ECL-0156] ^	**22**		mg/L	1	10	10	NE	SM 2540C	03/30/10 16:45	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:** C002861-02 **Received:** 03/25/10 10:50

Matrix: Ground Water **Sampled:** 03/24/10 10:00 **Work Order:** C002861

Project: Henderson Co. LF C&D **Sampled By:** Ryan Stringfellow

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	03/26/10 19:21	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/26/10 19:21	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	03/26/10 19:21	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	03/26/10 19:21	JKG	
1,1-Dichloroethane [75-34-3] ^	0.050	U	ug/L	1	0.050	1.0	5	EPA 8260B	03/26/10 19:21	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	03/26/10 19:21	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/26/10 19:21	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	03/26/10 19:21	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	03/26/10 19:21	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	03/26/10 19:21	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	03/26/10 19:21	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	03/26/10 19:21	JKG	
1,4-Dichlorobenzene [106-46-7] ^	**0.46**	J	ug/L	1	0.10	1.0	1	EPA 8260B	03/26/10 19:21	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	03/26/10 19:21	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	03/26/10 19:21	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	03/26/10 19:21	JKG	
Acetone [67-64-1] ^	**19**	J	ug/L	1	1.5	5.0	100	EPA 8260B	03/26/10 19:21	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	03/26/10 19:21	JKG	
Benzene [71-43-2] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	03/26/10 19:21	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	03/26/10 19:21	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	03/26/10 19:21	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	03/26/10 19:21	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	03/26/10 19:21	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	03/26/10 19:21	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	03/26/10 19:21	JKG	
Chlorobenzene [108-90-7] ^	0.069	U	ug/L	1	0.069	1.0	3	EPA 8260B	03/26/10 19:21	JKG	
Chloroethane [75-00-3] ^	0.18	U	ug/L	1	0.18	1.0	10	EPA 8260B	03/26/10 19:21	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	03/26/10 19:21	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	03/26/10 19:21	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	**5.3**		ug/L	1	0.075	1.0	5	EPA 8260B	03/26/10 19:21	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	03/26/10 19:21	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	03/26/10 19:21	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	03/26/10 19:21	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	03/26/10 19:21	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	03/26/10 19:21	JKG	
Methylene chloride [75-09-2] ^	0.070	U	ug/L	1	0.070	1.0	1	EPA 8260B	03/26/10 19:21	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	03/26/10 19:21	JKG	
Tetrachloroethene [127-18-4] ^	**3.4**		ug/L	1	0.099	1.0	1	EPA 8260B	03/26/10 19:21	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	03/26/10 19:21	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	03/26/10 19:21	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	03/26/10 19:21	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	03/26/10 19:21	JKG	
Trichloroethene [79-01-6] ^	**0.90**	J	ug/L	1	0.13	1.0	1	EPA 8260B	03/26/10 19:21	JKG	
Trichlorofluoromethane [75-69-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/26/10 19:21	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	03/26/10 19:21	JKG	
Vinyl chloride [75-01-4] ^	0.083	U	ug/L	1	0.083	1.0	1	EPA 8260B	03/26/10 19:21	JKG	

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Description: 4501-MW11 (MS/MSD) | **Lab Sample ID:** C002861-02 | **Received:** 03/25/10 10:50

Matrix: Ground Water | **Sampled:** 03/24/10 10:00 | **Work Order:** C002861

Project: Henderson Co. LF C&D | **Sampled By:** Ryan Stringfellow

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] ^	**0.62**	J	ug/L	1	0.22	1.0	5	EPA 8260B	03/26/10 19:21	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*38*	*1*	*50.0*	*75 %*	*51-122*	*0C26006*	*EPA 8260B*	*03/26/10 19:21*	*JKG*	
Dibromofluoromethane	*42*	*1*	*50.0*	*84 %*	*68-117*	*0C26006*	*EPA 8260B*	*03/26/10 19:21*	*JKG*	
Toluene-d8	*44*	*1*	*50.0*	*89 %*	*69-110*	*0C26006*	*EPA 8260B*	*03/26/10 19:21*	*JKG*	

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Description:	4501-MW11 (MS/MSD)	**Lab Sample ID:**	C002861-02	**Received:**	03/25/10 10:50
Matrix:	Ground Water	**Sampled:**	03/24/10 10:00	**Work Order:**	C002861
Project:	Henderson Co. LF C&D	**Sampled By:**	Ryan Stringfellow		

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] ^	**0.0586**	J	ug/L	1	0.0540	0.200	0.2	EPA 7470A	03/26/10 15:20	NLH	

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Description: 4501-MW11 (MS/MSD) **Lab Sample ID:** C002861-02 **Received:** 03/25/10 10:50

Matrix: Ground Water **Sampled:** 03/24/10 10:00 **Work Order:** C002861

Project: Henderson Co. LF C&D **Sampled By:** Ryan Stringfellow

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	03/30/10 11:22	JDH	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	03/28/10 13:29	JDH	
Barium [7440-39-3] ^	**33.7**	J	ug/L	1	1.00	10.0	100	EPA 6010C	03/28/10 13:29	JDH	
Beryllium [7440-41-7] ^	**1.46**		ug/L	1	0.100	1.00	1	EPA 6010C	03/28/10 13:29	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	03/28/10 13:29	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	03/28/10 13:29	JDH	
Cobalt [7440-48-4] ^	**4.30**	J	ug/L	1	1.10	10.0	10	EPA 6010C	03/28/10 13:29	JDH	
Copper [7440-50-8] ^	**2.76**	J	ug/L	1	1.60	10.0	10	EPA 6010C	03/28/10 13:29	JDH	
Iron [7439-89-6] ^	**2050**		ug/L	1	22.0	50.0	300	EPA 6010C	03/28/10 13:29	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	03/28/10 13:29	JDH	
Manganese [7439-96-5] ^	**1780**		ug/L	1	1.10	10.0	50	EPA 6010C	03/28/10 13:29	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	03/28/10 13:29	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	03/30/10 11:22	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	03/28/10 13:29	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	03/30/10 11:22	JDH	
Vanadium [7440-62-2] ^	**2.62**	J	ug/L	1	1.40	10.0	25	EPA 6010C	03/28/10 13:29	JDH	
Zinc [7440-66-6] ^	**20.0**		ug/L	1	3.80	10.0	10	EPA 6010C	03/28/10 13:29	JDH	

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Description: 4501-MW11 (MS/MSD) | **Lab Sample ID:** C002861-02 | **Received:** 03/25/10 10:50

Matrix: Ground Water | **Sampled:** 03/24/10 10:00 | **Work Order:** C002861

Project: Henderson Co. LF C&D | **Sampled By:** Ryan Stringfellow

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] ^	**1.7**	J	mg/L	1	1.2	5.0	NE	SM4500-Cl/E	03/26/10 11:18	PEV	
Sulfate as SO4 [14808-79-8] ^	**5.3**	J	mg/L	1	0.12	5.0	250000	EPA 300.0	03/30/10 13:02	PEV	
Total Alkalinity [471-34-1] ^	**57**		mg/L	1	8.0	15	NE	EPA 310.2	04/02/10 11:50	PEV	
Total Dissolved Solids [ECL-0156] ^	**110**		mg/L	1	10	10	NE	SM 2540C	03/25/10 17:45	CCB	

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Description: 4501-MW12 | **Lab Sample ID:** C002861-03 | **Received:** 03/25/10 10:50

Matrix: Ground Water | **Sampled:** 03/24/10 09:45 | **Work Order:** C002861

Project: Henderson Co. LF C&D | **Sampled By:** Ryan Stringfellow

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	03/26/10 19:50	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/26/10 19:50	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	03/26/10 19:50	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	03/26/10 19:50	JKG	
1,1-Dichloroethane [75-34-3] ^	**0.47**	J	ug/L	1	0.050	1.0	5	EPA 8260B	03/26/10 19:50	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	03/26/10 19:50	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/26/10 19:50	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	03/26/10 19:50	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	03/26/10 19:50	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	03/26/10 19:50	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	03/26/10 19:50	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	03/26/10 19:50	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	03/26/10 19:50	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	03/26/10 19:50	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	03/26/10 19:50	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	03/26/10 19:50	JKG	
Acetone [67-64-1] ^	**13**	J	ug/L	1	1.5	5.0	100	EPA 8260B	03/26/10 19:50	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	03/26/10 19:50	JKG	
Benzene [71-43-2] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	03/26/10 19:50	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	03/26/10 19:50	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	03/26/10 19:50	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	03/26/10 19:50	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	03/26/10 19:50	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	03/26/10 19:50	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	03/26/10 19:50	JKG	
Chlorobenzene [108-90-7] ^	0.069	U	ug/L	1	0.069	1.0	3	EPA 8260B	03/26/10 19:50	JKG	
Chloroethane [75-00-3] ^	0.18	U	ug/L	1	0.18	1.0	10	EPA 8260B	03/26/10 19:50	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	03/26/10 19:50	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	03/26/10 19:50	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.075	U	ug/L	1	0.075	1.0	5	EPA 8260B	03/26/10 19:50	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	03/26/10 19:50	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	03/26/10 19:50	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	03/26/10 19:50	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	03/26/10 19:50	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	03/26/10 19:50	JKG	
Methylene chloride [75-09-2] ^	**0.92**	J	ug/L	1	0.070	1.0	1	EPA 8260B	03/26/10 19:50	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	03/26/10 19:50	JKG	
Tetrachloroethene [127-18-4] ^	**1.6**		ug/L	1	0.099	1.0	1	EPA 8260B	03/26/10 19:50	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	03/26/10 19:50	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	03/26/10 19:50	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	03/26/10 19:50	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	03/26/10 19:50	JKG	
Trichloroethene [79-01-6] ^	**0.52**	J	ug/L	1	0.13	1.0	1	EPA 8260B	03/26/10 19:50	JKG	
Trichlorofluoromethane [75-69-4] ^	**2.6**		ug/L	1	0.15	1.0	1	EPA 8260B	03/26/10 19:50	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	03/26/10 19:50	JKG	
Vinyl chloride [75-01-4] ^	0.083	U	ug/L	1	0.083	1.0	1	EPA 8260B	03/26/10 19:50	JKG	

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Description: 4501-MW12 | **Lab Sample ID:** C002861-03 | **Received:** 03/25/10 10:50

Matrix: Ground Water | **Sampled:** 03/24/10 09:45 | **Work Order:** C002861

Project: Henderson Co. LF C&D | **Sampled By:** Ryan Stringfellow

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] ^	0.22	U	ug/L	1	0.22	1.0	5	EPA 8260B	03/26/10 19:50	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*38*	*1*	*50.0*	*75 %*	*51-122*	*0C26006*	*EPA 8260B*	*03/26/10 19:50*	*JKG*	
Dibromofluoromethane	*42*	*1*	*50.0*	*83 %*	*68-117*	*0C26006*	*EPA 8260B*	*03/26/10 19:50*	*JKG*	
Toluene-d8	*43*	*1*	*50.0*	*86 %*	*69-110*	*0C26006*	*EPA 8260B*	*03/26/10 19:50*	*JKG*	

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Description:	4501-MW12	**Lab Sample ID:**	C002861-03	**Received:**	03/25/10 10:50
Matrix:	Ground Water	**Sampled:**	03/24/10 09:45	**Work Order:**	C002861
Project:	Henderson Co. LF C&D	**Sampled By:**	Ryan Stringfellow		

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] ^	**0.144**	J	ug/L	1	0.0540	0.200	0.2	EPA 7470A	03/26/10 15:42	NLH	

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Description: 4501-MW12 | **Lab Sample ID:** C002861-03 | **Received:** 03/25/10 10:50

Matrix: Ground Water | **Sampled:** 03/24/10 09:45 | **Work Order:** C002861

Project: Henderson Co. LF C&D | **Sampled By:** Ryan Stringfellow

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	03/30/10 11:44	JDH	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	03/28/10 13:44	JDH	
Barium [7440-39-3] ^	**14.3**	J	ug/L	1	1.00	10.0	100	EPA 6010C	03/28/10 13:44	JDH	
Beryllium [7440-41-7] ^	**0.130**	J	ug/L	1	0.100	1.00	1	EPA 6010C	03/28/10 13:44	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	03/28/10 13:44	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	03/28/10 13:44	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	03/28/10 13:44	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	03/28/10 13:44	JDH	
Iron [7439-89-6] ^	**830**		ug/L	1	22.0	50.0	300	EPA 6010C	03/28/10 13:44	JDH	
Lead [7439-92-1] ^	**2.18**	J	ug/L	1	1.90	10.0	10	EPA 6010C	03/28/10 13:44	JDH	
Manganese [7439-96-5] ^	**142**		ug/L	1	1.10	10.0	50	EPA 6010C	03/28/10 13:44	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	03/28/10 13:44	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	03/30/10 11:44	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	03/28/10 13:44	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	03/30/10 11:44	JDH	
Vanadium [7440-62-2] ^	**1.57**	J	ug/L	1	1.40	10.0	25	EPA 6010C	03/28/10 13:44	JDH	
Zinc [7440-66-6] ^	**21.5**		ug/L	1	3.80	10.0	10	EPA 6010C	03/28/10 13:44	JDH	

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

Lab Sample ID: C002861-03
Sampled: 03/24/10 09:45
Sampled By: Ryan Stringfellow

Received: 03/25/10 10:50
Work Order: C002861

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] ^	**7.3**		mg/L	1	1.2	5.0	NE	SM4500-Cl/E	03/26/10 11:45	PEV	
Sulfate as SO4 [14808-79-8] ^	**16**	J	mg/L	1	0.12	5.0	250000	EPA 300.0	03/30/10 13:45	PEV	
Total Alkalinity [471-34-1] ^	**76**		mg/L	1	8.0	15	NE	EPA 310.2	04/02/10 11:52	PEV	
Total Dissolved Solids [ECL-0156] ^	**170**		mg/L	1	10	10	NE	SM 2540C	03/30/10 16:45	CCB	

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Description: 4501-MW13 | **Lab Sample ID:** C002861-04 | **Received:** 03/25/10 10:50

Matrix: Ground Water | **Sampled:** 03/24/10 09:30 | **Work Order:** C002861

Project: Henderson Co. LF C&D | **Sampled By:** Ryan Stringfellow

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] ^	0.091	U	ug/L	1	0.091	1.0	5	EPA 8260B	03/26/10 20:20	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/26/10 20:20	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.085	U	ug/L	1	0.085	1.0	3	EPA 8260B	03/26/10 20:20	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.068	U	ug/L	1	0.068	1.0	1	EPA 8260B	03/26/10 20:20	JKG	
1,1-Dichloroethane [75-34-3] ^	0.050	U	ug/L	1	0.050	1.0	5	EPA 8260B	03/26/10 20:20	JKG	
1,1-Dichloroethene [75-35-4] ^	0.15	U	ug/L	1	0.15	1.0	5	EPA 8260B	03/26/10 20:20	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.15	U	ug/L	1	0.15	1.0	1	EPA 8260B	03/26/10 20:20	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	13	EPA 8260B	03/26/10 20:20	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	1	EPA 8260B	03/26/10 20:20	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.052	U	ug/L	1	0.052	1.0	5	EPA 8260B	03/26/10 20:20	JKG	
1,2-Dichloroethane [107-06-2] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	03/26/10 20:20	JKG	
1,2-Dichloropropane [78-87-5] ^	0.098	U	ug/L	1	0.098	1.0	1	EPA 8260B	03/26/10 20:20	JKG	
1,4-Dichlorobenzene [106-46-7] ^	**0.45**	J	ug/L	1	0.10	1.0	1	EPA 8260B	03/26/10 20:20	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	100	EPA 8260B	03/26/10 20:20	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	50	EPA 8260B	03/26/10 20:20	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	100	EPA 8260B	03/26/10 20:20	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	100	EPA 8260B	03/26/10 20:20	JKG	
Acrylonitrile [107-13-1] ^	2.1	U	ug/L	1	2.1	10	200	EPA 8260B	03/26/10 20:20	JKG	
Benzene [71-43-2] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	03/26/10 20:20	JKG	
Bromochloromethane [74-97-5] ^	0.11	U	ug/L	1	0.11	1.0	3	EPA 8260B	03/26/10 20:20	JKG	
Bromodichloromethane [75-27-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	03/26/10 20:20	JKG	
Bromoform [75-25-2] ^	0.20	U	ug/L	1	0.20	1.0	3	EPA 8260B	03/26/10 20:20	JKG	
Bromomethane [74-83-9] ^	0.28	U	ug/L	1	0.28	1.0	10	EPA 8260B	03/26/10 20:20	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	100	EPA 8260B	03/26/10 20:20	JKG	
Carbon tetrachloride [56-23-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	03/26/10 20:20	JKG	
Chlorobenzene [108-90-7] ^	0.069	U	ug/L	1	0.069	1.0	3	EPA 8260B	03/26/10 20:20	JKG	
Chloroethane [75-00-3] ^	0.18	U	ug/L	1	0.18	1.0	10	EPA 8260B	03/26/10 20:20	JKG	
Chloroform [67-66-3] ^	0.083	U	ug/L	1	0.083	1.0	5	EPA 8260B	03/26/10 20:20	JKG	
Chloromethane [74-87-3] ^	0.050	U	ug/L	1	0.050	1.0	1	EPA 8260B	03/26/10 20:20	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	**0.84**	J	ug/L	1	0.075	1.0	5	EPA 8260B	03/26/10 20:20	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.073	U	ug/L	1	0.073	1.0	1	EPA 8260B	03/26/10 20:20	JKG	
Dibromochloromethane [124-48-1] ^	0.067	U	ug/L	1	0.067	1.0	3	EPA 8260B	03/26/10 20:20	JKG	
Dibromomethane [74-95-3] ^	0.13	U	ug/L	1	0.13	1.0	10	EPA 8260B	03/26/10 20:20	JKG	
Ethylbenzene [100-41-4] ^	0.10	U	ug/L	1	0.10	1.0	1	EPA 8260B	03/26/10 20:20	JKG	
Iodomethane [74-88-4] ^	0.52	U	ug/L	1	0.52	5.0	10	EPA 8260B	03/26/10 20:20	JKG	
Methylene chloride [75-09-2] ^	0.070	U	ug/L	1	0.070	1.0	1	EPA 8260B	03/26/10 20:20	JKG	
Styrene [100-42-5] ^	0.082	U	ug/L	1	0.082	1.0	1	EPA 8260B	03/26/10 20:20	JKG	
Tetrachloroethene [127-18-4] ^	**0.56**	J	ug/L	1	0.099	1.0	1	EPA 8260B	03/26/10 20:20	JKG	
Toluene [108-88-3] ^	0.053	U	ug/L	1	0.053	1.0	1	EPA 8260B	03/26/10 20:20	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.11	U	ug/L	1	0.11	1.0	5	EPA 8260B	03/26/10 20:20	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.080	U	ug/L	1	0.080	1.0	1	EPA 8260B	03/26/10 20:20	JKG	
trans-1,4-Dichloro-2-butene [110-57-6] ^	0.54	U	ug/L	1	0.54	1.0	100	EPA 8260B	03/26/10 20:20	JKG	
Trichloroethene [79-01-6] ^	0.13	U	ug/L	1	0.13	1.0	1	EPA 8260B	03/26/10 20:20	JKG	
Trichlorofluoromethane [75-69-4] ^	**1.0**		ug/L	1	0.15	1.0	1	EPA 8260B	03/26/10 20:20	JKG	
Vinyl acetate [108-05-4] ^	0.98	U	ug/L	1	0.98	5.0	50	EPA 8260B	03/26/10 20:20	JKG	
Vinyl chloride [75-01-4] ^	0.083	U	ug/L	1	0.083	1.0	1	EPA 8260B	03/26/10 20:20	JKG	

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Description: 4501-MW13 | **Lab Sample ID:** C002861-04 | **Received:** 03/25/10 10:50

Matrix: Ground Water | **Sampled:** 03/24/10 09:30 | **Work Order:** C002861

Project: Henderson Co. LF C&D | **Sampled By:** Ryan Stringfellow

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] ^	0.22	U	ug/L	1	0.22	1.0	5	EPA 8260B	03/26/10 20:20	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*36*	*1*	*50.0*	*72 %*	*51-122*	*0C26006*	*EPA 8260B*	*03/26/10 20:20*	*JKG*	
Dibromofluoromethane	*40*	*1*	*50.0*	*81 %*	*68-117*	*0C26006*	*EPA 8260B*	*03/26/10 20:20*	*JKG*	
Toluene-d8	*43*	*1*	*50.0*	*85 %*	*69-110*	*0C26006*	*EPA 8260B*	*03/26/10 20:20*	*JKG*	

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

Lab Sample ID: C002861-04
Sampled: 03/24/10 09:30
Sampled By: Ryan Stringfellow

Received: 03/25/10 10:50
Work Order: C002861

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] ^	0.0540	U	ug/L	1	0.0540	0.200	0.2	EPA 7470A	03/26/10 15:45	NLH	

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Description: 4501-MW13 | **Lab Sample ID:** C002861-04 | **Received:** 03/25/10 10:50

Matrix: Ground Water | **Sampled:** 03/24/10 09:30 | **Work Order:** C002861

Project: Henderson Co. LF C&D | **Sampled By:** Ryan Stringfellow

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	03/30/10 11:47	JDH	
Arsenic [7440-38-2] ^	2.80	U	ug/L	1	2.80	10.0	10	EPA 6010C	03/28/10 13:46	JDH	
Barium [7440-39-3] ^	**12.1**	J	ug/L	1	1.00	10.0	100	EPA 6010C	03/28/10 13:46	JDH	
Beryllium [7440-41-7] ^	0.100	U	ug/L	1	0.100	1.00	1	EPA 6010C	03/28/10 13:46	JDH	
Cadmium [7440-43-9] ^	0.360	U	ug/L	1	0.360	1.00	1	EPA 6010C	03/28/10 13:46	JDH	
Chromium [7440-47-3] ^	1.00	U	ug/L	1	1.00	10.0	10	EPA 6010C	03/28/10 13:46	JDH	
Cobalt [7440-48-4] ^	1.10	U	ug/L	1	1.10	10.0	10	EPA 6010C	03/28/10 13:46	JDH	
Copper [7440-50-8] ^	1.60	U	ug/L	1	1.60	10.0	10	EPA 6010C	03/28/10 13:46	JDH	
Iron [7439-89-6] ^	**564**		ug/L	1	22.0	50.0	300	EPA 6010C	03/28/10 13:46	JDH	
Lead [7439-92-1] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	03/28/10 13:46	JDH	
Manganese [7439-96-5] ^	**111**		ug/L	1	1.10	10.0	50	EPA 6010C	03/28/10 13:46	JDH	
Nickel [7440-02-0] ^	1.80	U	ug/L	1	1.80	10.0	50	EPA 6010C	03/28/10 13:46	JDH	
Selenium [7782-49-2] ^	0.830	U	ug/L	1	0.830	1.00	10	EPA 6020A	03/30/10 11:47	JDH	
Silver [7440-22-4] ^	1.90	U	ug/L	1	1.90	10.0	10	EPA 6010C	03/28/10 13:46	JDH	
Thallium [7440-28-0] ^	0.110	U	ug/L	1	0.110	1.00	5.5	EPA 6020A	03/30/10 11:47	JDH	
Vanadium [7440-62-2] ^	1.40	U	ug/L	1	1.40	10.0	25	EPA 6010C	03/28/10 13:46	JDH	
Zinc [7440-66-6] ^	**12.2**		ug/L	1	3.80	10.0	10	EPA 6010C	03/28/10 13:46	JDH	

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

Lab Sample ID: C002861-04
Sampled: 03/24/10 09:30
Sampled By: Ryan Stringfellow

Received: 03/25/10 10:50
Work Order: C002861

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] ^	**2.5**	J	mg/L	1	1.2	5.0	NE	SM4500-Cl/E	03/26/10 11:45	PEV	
Sulfate as SO4 [14808-79-8] ^	**2.1**	J	mg/L	1	0.12	5.0	250000	EPA 300.0	03/30/10 14:07	PEV	
Total Alkalinity [471-34-1] ^	**75**		mg/L	1	8.0	15	NE	EPA 310.2	04/02/10 11:53	PEV	
Total Dissolved Solids [ECL-0156] ^	**140**		mg/L	1	10	10	NE	SM 2540C	03/30/10 16:45	CCB	

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QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0C26006 - EPA 5030B_MS

Blank (0C26006-BLK1) Prepared: 03/26/2010 09:19 Analyzed: 03/26/2010 14:27

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.091	U	1.0	ug/L							
1,1,1-Trichloroethane	0.15	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.085	U	1.0	ug/L							
1,1,2-Trichloroethane	0.068	U	1.0	ug/L							
1,1-Dichloroethane	0.050	U	1.0	ug/L							
1,1-Dichloroethene	0.15	U	1.0	ug/L							
1,2,3-Trichloropropane	0.15	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	0.052	U	1.0	ug/L							
1,2-Dichloroethane	0.082	U	1.0	ug/L							
1,2-Dichloropropane	0.098	U	1.0	ug/L							
1,4-Dichlorobenzene	0.10	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	0.050	U	1.0	ug/L							
Bromochloromethane	0.11	U	1.0	ug/L							
Bromodichloromethane	0.10	U	1.0	ug/L							
Bromoform	0.20	U	1.0	ug/L							
Bromomethane	0.28	U	1.0	ug/L							
Carbon disulfide	0.54	U	5.0	ug/L							
Carbon tetrachloride	0.082	U	1.0	ug/L							
Chlorobenzene	0.069	U	1.0	ug/L							
Chloroethane	0.18	U	1.0	ug/L							
Chloroform	0.083	U	1.0	ug/L							
Chloromethane	0.050	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.075	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.073	U	1.0	ug/L							
Dibromochloromethane	0.067	U	1.0	ug/L							
Dibromomethane	0.13	U	1.0	ug/L							
Ethylbenzene	0.10	U	1.0	ug/L							
Iodomethane	0.52	U	5.0	ug/L							
Methylene chloride	0.070	U	1.0	ug/L							
Styrene	0.082	U	1.0	ug/L							
Tetrachloroethene	0.099	U	1.0	ug/L							
Toluene	0.053	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.11	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.080	U	1.0	ug/L							
trans-1,4-Dichloro-2-butene	0.54	U	1.0	ug/L							
Trichloroethene	0.13	U	1.0	ug/L							
Trichlorofluoromethane	0.15	U	1.0	ug/L							
Vinyl acetate	0.98	U	5.0	ug/L							
Vinyl chloride	0.083	U	1.0	ug/L							
Xylenes (Total)	0.22	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*36*			*ug/L*	*50.0*		*72*	*51-122*			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 0C26006 - EPA 5030B_MS

Blank (0C26006-BLK1) Continued Prepared: 03/26/2010 09:19 Analyzed: 03/26/2010 14:27

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Dibromofluoromethane	*42*			*ug/L*	*50.0*		*85*	*68-117*			
Surrogate: Toluene-d8	*45*			*ug/L*	*50.0*		*90*	*69-110*			

LCS (0C26006-BS1) Prepared: 03/26/2010 09:19 Analyzed: 03/26/2010 14:56

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		97	75-133			
Benzene	19		1.0	ug/L	20.0		94	81-134			
Chlorobenzene	20		1.0	ug/L	20.0		98	83-117			
Toluene	19		1.0	ug/L	20.0		95	71-118			
Trichloroethene	22		1.0	ug/L	20.0		110	75-115			

Matrix Spike (0C26006-MS1) Prepared: 03/26/2010 09:19 Analyzed: 03/26/2010 15:26

Source: C002861-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0	0.15 U	110	75-133			
Benzene	21		1.0	ug/L	20.0	0.050 U	106	81-134			
Chlorobenzene	21		1.0	ug/L	20.0	0.069 U	104	83-117			
Toluene	20		1.0	ug/L	20.0	0.053 U	101	71-118			
Trichloroethene	26		1.0	ug/L	20.0	0.90	125	75-115			QM-07

Matrix Spike Dup (0C26006-MSD1) Prepared: 03/26/2010 09:19 Analyzed: 03/26/2010 15:55

Source: C002861-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0	0.15 U	112	75-133	2	20	
Benzene	22		1.0	ug/L	20.0	0.050 U	109	81-134	3	17	
Chlorobenzene	22		1.0	ug/L	20.0	0.069 U	109	83-117	4	16	
Toluene	21		1.0	ug/L	20.0	0.053 U	105	71-118	5	17	
Trichloroethene	26		1.0	ug/L	20.0	0.90	126	75-115	0.6	18	QM-07

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 0C26013 - EPA 245.1

Blank (0C26013-BLK1) Prepared: 03/26/2010 10:08 Analyzed: 03/26/2010 15:12

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.0540	U	0.200	ug/L							

LCS (0C26013-BS1) Prepared: 03/26/2010 10:08 Analyzed: 03/26/2010 15:18

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.48		0.200	ug/L	5.00		110	85-115			

Matrix Spike (0C26013-MS1) Prepared: 03/26/2010 10:08 Analyzed: 03/26/2010 15:24

QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 0C26013 - EPA 245.1

Matrix Spike (0C26013-MS1) Continued Prepared: 03/26/2010 10:08 Analyzed: 03/26/2010 15:24

Source: C002861-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.67		0.200	ug/L	5.00	0.0586	112	85-115			

Matrix Spike Dup (0C26013-MSD1) Prepared: 03/26/2010 10:08 Analyzed: 03/26/2010 15:26

Source: C002861-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.57		0.200	ug/L	5.00	0.0586	110	85-115	2	15	

Post Spike (0C26013-PS1) Prepared: 03/26/2010 10:08 Analyzed: 03/26/2010 15:29

Source: C002861-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	5.37		0.200	ug/L	5.00	0.0586	106	75-125			

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

Batch 0C26014 - EPA 3005A

Blank (0C26014-BLK1) Prepared: 03/26/2010 10:16 Analyzed: 03/28/2010 13:21

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

LCS (0C26014-BS1) Prepared: 03/26/2010 10:16 Analyzed: 03/28/2010 13:23

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1110		10.0	ug/L	1000		111	80-120			
Barium	1100		10.0	ug/L	1000		110	80-120			
Beryllium	566		1.00	ug/L	500		113	80-120			
Cadmium	556		1.00	ug/L	500		111	80-120			
Chromium	1110		10.0	ug/L	1000		111	80-120			
Cobalt	1090		10.0	ug/L	1000		109	80-120			
Copper	562		10.0	ug/L	500		112	80-120			
Iron	11000		50.0	ug/L	10000		110	80-120			

QUALITY CONTROL

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

Batch 0C26014 - EPA 3005A

LCS (0C26014-BS1) Continued Prepared: 03/26/2010 10:16 Analyzed: 03/28/2010 13:23

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Lead	1100		10.0	ug/L	1000		110	80-120			
Manganese	554		10.0	ug/L	500		111	80-120			
Nickel	1100		10.0	ug/L	1000		110	80-120			
Silver	109		10.0	ug/L	100		109	80-120			
Vanadium	545		10.0	ug/L	500		109	80-120			
Zinc	1110		10.0	ug/L	1000		111	80-120			

Matrix Spike (0C26014-MS1) Prepared: 03/26/2010 10:16 Analyzed: 03/28/2010 13:31

Source: C002861-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1080		10.0	ug/L	1000	2.80 U	108	75-125			
Barium	1110		10.0	ug/L	1000	33.7	108	75-125			
Beryllium	562		1.00	ug/L	500	1.46	112	75-125			
Cadmium	545		1.00	ug/L	500	0.360 U	109	75-125			
Chromium	1090		10.0	ug/L	1000	1.00 U	109	75-125			
Cobalt	1080		10.0	ug/L	1000	4.30	107	75-125			
Copper	551		10.0	ug/L	500	2.76	110	75-125			
Iron	12700		50.0	ug/L	10000	2050	107	75-125			
Lead	1080		10.0	ug/L	1000	1.90 U	108	75-125			
Manganese	2210		10.0	ug/L	500	1780	87	75-125			
Nickel	1070		10.0	ug/L	1000	1.80 U	107	75-125			
Silver	107		10.0	ug/L	100	1.90 U	107	75-125			
Vanadium	536		10.0	ug/L	500	2.62	107	75-125			
Zinc	1120		10.0	ug/L	1000	20.0	110	75-125			

Matrix Spike Dup (0C26014-MSD1) Prepared: 03/26/2010 10:16 Analyzed: 03/28/2010 13:34

Source: C002861-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1050		10.0	ug/L	1000	2.80 U	105	75-125	3	20	
Barium	1090		10.0	ug/L	1000	33.7	106	75-125	2	20	
Beryllium	556		1.00	ug/L	500	1.46	111	75-125	1	20	
Cadmium	534		1.00	ug/L	500	0.360 U	107	75-125	2	20	
Chromium	1070		10.0	ug/L	1000	1.00 U	107	75-125	2	20	
Cobalt	1050		10.0	ug/L	1000	4.30	105	75-125	2	20	
Copper	541		10.0	ug/L	500	2.76	108	75-125	2	20	
Iron	12500		50.0	ug/L	10000	2050	104	75-125	2	20	
Lead	1050		10.0	ug/L	1000	1.90 U	105	75-125	3	20	
Manganese	2180		10.0	ug/L	500	1780	80	75-125	1	20	
Nickel	1050		10.0	ug/L	1000	1.80 U	105	75-125	2	20	
Silver	105		10.0	ug/L	100	1.90 U	105	75-125	2	20	
Vanadium	524		10.0	ug/L	500	2.62	104	75-125	2	20	
Zinc	1090		10.0	ug/L	1000	20.0	107	75-125	2	20	

Post Spike (0C26014-PS1) Prepared: 03/26/2010 10:16 Analyzed: 03/28/2010 13:37

Source: C002861-02

QUALITY CONTROL

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

Batch 0C26014 - EPA 3005A

Post Spike (0C26014-PS1) Continued Prepared: 03/26/2010 10:16 Analyzed: 03/28/2010 13:37

Source: C002861-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	1.03		0.0100	mg/L	1.00	-0.00132	103	80-120			
Barium	1.08		0.0100	mg/L	1.00	0.0337	104	80-120			
Beryllium	0.540		0.00100	mg/L	0.500	0.00146	108	80-120			
Cadmium	0.526		0.00100	mg/L	0.500	1.19E-5	105	80-120			
Chromium	1.05		0.0100	mg/L	1.00	8.28E-6	105	80-120			
Cobalt	1.04		0.0100	mg/L	1.00	0.00430	104	80-120			
Copper	0.534		0.0100	mg/L	0.500	0.00276	106	80-120			
Iron	12.4		0.0500	mg/L	10.0	2.05	103	80-120			
Lead	1.02		0.0100	mg/L	1.00	0.000724	102	80-120			
Manganese	2.16		0.0100	mg/L	0.500	1.78	76	80-120			QM-08
Nickel	1.04		0.0100	mg/L	1.00	0.000411	104	80-120			
Silver	0.104		0.0100	mg/L	0.100	0.000721	103	80-120			
Vanadium	0.518		0.0100	mg/L	0.500	0.00262	103	80-120			
Zinc	1.08		0.0100	mg/L	1.00	0.0200	106	80-120			

Batch 0C26016 - EPA 3005A

Blank (0C26016-BLK1) Prepared: 03/26/2010 10:33 Analyzed: 03/30/2010 11:08

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.220	U	2.00	ug/L							
Selenium	0.830	U	1.00	ug/L							
Thallium	0.110	U	1.00	ug/L							

LCS (0C26016-BS1) Prepared: 03/26/2010 10:33 Analyzed: 03/30/2010 11:11

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			
Selenium	27.6		1.00	ug/L	25.0		110	80-120			
Thallium	27.6		1.00	ug/L	25.0		111	80-120			

Matrix Spike (0C26016-MS1) Prepared: 03/26/2010 10:33 Analyzed: 03/30/2010 11:26

Source: C002861-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	28.8		2.00	ug/L	25.0	0.220 U	115	75-125			
Selenium	27.6		1.00	ug/L	25.0	0.830 U	111	75-125			
Thallium	28.9		1.00	ug/L	25.0	0.110 U	116	75-125			

Matrix Spike Dup (0C26016-MSD1) Prepared: 03/26/2010 10:33 Analyzed: 03/30/2010 11:29

Source: C002861-02

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	4	20	
Selenium	27.7		1.00	ug/L	25.0	0.830 U	111	75-125	0.1	20	
Thallium	28.4		1.00	ug/L	25.0	0.110 U	114	75-125	2	20	

QUALITY CONTROL

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

Batch 0C26016 - EPA 3005A

Post Spike (0C26016-PS1) Prepared: 03/26/2010 10:33 Analyzed: 03/30/2010 11:33

Source: C002861-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	28.4		2.00	ug/L	25.0	0.0500	113	80-120			
Selenium	29.9		1.00	ug/L	25.0	-0.253	121	80-120			QM-08
Thallium	29.3		1.00	ug/L	25.0	0.0720	117	80-120			

Classical Chemistry Parameters - Quality Control

Batch 0C25014 - NO PREP

Blank (0C25014-BLK1) Prepared & Analyzed: 03/25/2010 17:45

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	10	U	10	mg/L							

LCS (0C25014-BS1) Prepared & Analyzed: 03/25/2010 17:45

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	300		10	mg/L	300		101	90-110			

Duplicate (0C25014-DUP1) Prepared & Analyzed: 03/25/2010 17:45

Source: C002861-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	110		10	mg/L		110			0		

Batch 0C29017 - NO PREP

Blank (0C29017-BLK1) Prepared: 03/26/2010 09:30 Analyzed: 03/26/2010 11:14

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	1.2	U	5.0	mg/L							

LCS (0C29017-BS1) Prepared: 03/26/2010 09:30 Analyzed: 03/26/2010 11:15

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	98		5.0	mg/L	100		98	80-120			

Matrix Spike (0C29017-MS1) Prepared: 03/26/2010 09:30 Analyzed: 03/26/2010 11:43

Source: C002861-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	100		5.0	mg/L	100	1.7	99	80-120			

Matrix Spike Dup (0C29017-MSD1) Prepared: 03/26/2010 09:30 Analyzed: 03/26/2010 11:43

Source: C002861-02

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 0C29017 - NO PREP

Matrix Spike Dup (0C29017-MSD1) Continued Prepared: 03/26/2010 09:30 Analyzed: 03/26/2010 11:43

Source: C002861-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	100		5.0	mg/L	100	1.7	100	80-120	0.8	25	

Batch 0C30001 - NO PREP

Blank (0C30001-BLK1) Prepared: 03/30/2010 07:22 Analyzed: 03/30/2010 08:42

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate as SO4	0.12	U	5.0	mg/L							

LCS (0C30001-BS1) Prepared: 03/30/2010 07:22 Analyzed: 03/30/2010 09:03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Sulfate as SO4	47		5.0	mg/L	50.0		93	90-110			

Matrix Spike (0C30001-MS1) Prepared: 03/30/2010 07:22 Analyzed: 03/30/2010 09:25

Source: C002861-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	55		5.0	mg/L	50.0	3.5	102	80-120			
Sulfate as SO4	53		5.0	mg/L	50.0	5.3	96	80-120			

Matrix Spike Dup (0C30001-MSD1) Prepared: 03/30/2010 07:22 Analyzed: 03/30/2010 09:47

Source: C002861-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Chloride	54		5.0	mg/L	50.0	3.5	100	80-120	2	15	
Sulfate as SO4	52		5.0	mg/L	50.0	5.3	94	80-120	2	15	

Batch 0C30013 - NO PREP

Blank (0C30013-BLK1) Prepared & Analyzed: 03/30/2010 16:45

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	10	U	10	mg/L							

LCS (0C30013-BS1) Prepared & Analyzed: 03/30/2010 16:45

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	280		10	mg/L	300		95	90-110			

Duplicate (0C30013-DUP1) Prepared & Analyzed: 03/30/2010 16:45

Source: C001080-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Dissolved Solids	530		10	mg/L		540			3		

QUALITY CONTROL

Classical Chemistry Parameters - Quality Control

Batch 0C30013 - NO PREP

Batch 0D02004 - NO PREP

Blank (0D02004-BLK1) Prepared: 04/02/2010 07:57 Analyzed: 04/02/2010 11:46

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity	8.0	U	15	mg/L							

LCS (0D02004-BS1) Prepared: 04/02/2010 07:57 Analyzed: 04/02/2010 11:47

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity	100		15	mg/L	100		101	80-120			

Matrix Spike (0D02004-MS1) Prepared: 04/02/2010 07:57 Analyzed: 04/02/2010 11:51

Source: C002861-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity	170		15	mg/L	100	57	109	80-120			

Matrix Spike (0D02004-MS2) Prepared: 04/02/2010 07:57 Analyzed: 04/02/2010 12:00

Source: C003766-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity	210	E	15	mg/L	100	140	70	80-120			QM-02

Matrix Spike Dup (0D02004-MSD1) Prepared: 04/02/2010 07:57 Analyzed: 04/02/2010 11:52

Source: C002861-02

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity	160		15	mg/L	100	57	101	80-120	5	25	

Matrix Spike Dup (0D02004-MSD2) Prepared: 04/02/2010 07:57 Analyzed: 04/02/2010 12:01

Source: C003766-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Total Alkalinity	210	E	15	mg/L	100	140	70	80-120	0.09	25	QM-02

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-02	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
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).

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

10775 Central Port Dr.
Orlando, FL 32824
(407) 826-5314 Fax (407) 850-6945

4810 Executive Park Court, Suite 211
Jacksonville, FL 32216-6069
(904) 296-3007 Fax (904) 296-6210

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

Page ____ of ____

Client Name: Golder Associates, Inc. (GO007)	Project Number: 08396506010.100
Address: The Wingate Building 4900 Koger Blvd., Suite 140	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): Ryan Stringfellow, Golder	Billing Contact: Accounts Payable
Sampler(s) Signature: Ryan Stringfellow	Facility # (if required)

Requested Analyses

Requested Turnaround Times

Note : Rush requests subject to acceptance by the facility

✓ Standard

___ Expedited

Due ___/___/___

Lab Workorder: C002861

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,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn	Alkalinity 310.2,Chloride 300,Nitrite as N 353.2,TDS SM2540C	Ammonia 350.1,NOX 353.2	Hg	Nitrate Calc 353.2	Sulfate 300	Sulfide SM4500-S D			Sample Comments
	4501-MW10	3-24-10	9:10	G	GW	7	X	X	X	X	X	X	X	X			
	4501-MW11 (MS/MSD)	3.24.10	10:00	G	GW	11	X	X	X	X	X	X	X	X			
	4501-MW12	3.24.10	9.45	G	GW	7	X	X	X	X	X	X	X	X			
	4501-MW13	3.24.10	9:30	G	GW	7	X	X	X	X	X	X	X	X			

<-- Total # of Containers

Sample Kit Prepared By: SK	Date/Time: 3/17/10	Relinquished By: Ryan Stringfellow	Date/Time: 3.24.10 1:20	Received By: Briana Gregory	Date/Time: 3/25/10 10:50
Comments: Special reporting - see bottle wise request. SK 3/17/10 1. Please provide a level 2 report. 2. Unit rates per Basic Ordering Agreement dated April 9, 2004 and the 2010 Price List.		Relinquished By:	Date/Time:	Received By:	Date/Time:
		Relinquished By:	Date/Time:	Received By:	Date/Time:
		Cooler #'s & Temps on Receipt: C-490 2.8°C		Condition Upon Receipt: X Acceptable ___ Unacceptable	

Matrix : GW-Groundwater SO-Soil 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

LOA per Ryan Stringfellow: Ryan Stringfellow Approved By Stephen

WORK ORDER

Printed: 4/8/2010 2:37:11PM

C003576

ENCO Cary

Sample Receipt Conditions

Client:	**Golder Associates, Inc. (GO007)**	**Lab Project Mgr:**	**Stephanie Franz**
Project:	**Henderson Co. LF**	**Project Number:**	**0839650609.800**
PO #:			

Report To:

Golder Associates, Inc. (GO007)
Dusty Reedy
The Wingate Building 4900 Koger Blvd., Suite 140
Greensboro, NC 27407
Phone: (336) 852-4903
Fax: (336) 852-4904

Invoice To:

Golder Associates, Inc. (GO007)
Accounts Payable
The Wingate Building 4900 Koger Blvd., Suite 140
Greensboro, NC 27407
Phone :(804) 358-7900
Fax: 804-358-2900

Received By:	James G. Thadani	Date Received:	24-Mar-10 09:30
Logged In By:	James G. Thadani	Date Logged In:	24-Mar-10 10:16

Work Order Comments:

Default Cooler received at 1.2°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: 0839-650609.800

Sampling Event Date: March 23-24, 2010

Review Date: April 29, 2010 *Initials:*DR

Report #: C002861

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

DR COC was properly signed by all parties.

DR Correct project name and number are on the form.

Project number on the report is 08396506010.100, but it should be 08396506090.800.

DR Sample receipt condition at laboratory was acceptable.

DR Each sample and blank submitted for analysis appears in the report.

2.0 SAMPLE HOLDING TIMES

DR 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

DR Laboratory analyzed at least one internal blank for each method, where applicable.

DR Laboratory blank is interference-free.

DR Surrogate recoveries are provided for each analytical method, where applicable.

DR Surrogate recoveries for each method are within the acceptable limits (i.e., at least 50% of the surrogates were within range).

DR MS/MSD/LCS data results are provided for each analytical method.

DR 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 Alkalinity and Trichloroethane for the MS/MSD were out of range.

The spike recoveries of Manganese and Selenium in the post spike samples were outside control limits.

4.0 ANALYTE LISTS/METHODS

DR The proper number of constituents are present for each analyte list as identified above (including detects where applicable).

DR Proper EPA SW-846 analytical methods were used for analysis.

5.0 DATA REPORTING

DR All analytical reporting associated with the event was performed by the contracted lab.

DR 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 (Lab Report C002862):
Manganese @ 2.13 ug/L "J"
Iron @ 27.6 ug/L "J"
Barium @ 1.54 ug/L "J"

DR 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.

DR The report provides the reporting limit for each constituent.

DR 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.

DR 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-11: ***cis-1,2-Dichloroethene @ 5.3 ug/L (SWSL = 5 ug/L)***
Tetrachloroethene @ 3.4 ug/L (SWSL = 1 ug/L)
MW-12: ***Tetrachloroethene @ 1.6 ug/L (SWSL = 1 ug/L)***
Trichlorofluoromethane @ 2.6 ug/L (SWSL = 1 ug/L)
MW-13: ***Trichlorofluoromethane @ 1.0 ug/L (SWSL = 1 ug/L)***
NC2L and/or GWPS Exceedances:
MW-11: ***Iron @ 2050 ug/L (NC2L = 300 ug/L)***
Manganese @ 1780 ug/L (NC2L = 50 ug/L)
Tetrachloroethene @ 3.4 ug/L (NC2L = 0.7 ug/L)
MW-12: ***Iron @ 830 ug/L (NC2L = 300 ug/L)***
Manganese @ 142 ug/L (NC2L = 50 ug/L)
Tetrachloroethene @ 1.6 ug/L (NC2L = 0.7 ug/L)
MW-13: ***Iron @ 564 ug/L (NC2L = 300 ug/L)***
Manganese @ 111 ug/L (NC2L = 50 ug/L)

DR No inorganic and organic constituents were detected in a well or surface water point at concentrations outside of their historical range (more than 5X previous concentrations or first-time detections).

DR 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

March 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	Dry	268	693	79.9 J	23.1 J	9.57 J	4.16 B
		Intrawell MW-8	Upper Prediction Interval	1142							
Zinc	ug/L	Interwell	Nonparametric Prediction Interval	50.0	Dry	8.52 J	36.7	15.6	7.21 J	11.2	7.25 J

Notes:
1. Shaded values represent apparent statistical significant increases (SSIs) over background concentrations. There were no SSIs during the September 2009 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

Project Name: Henderson County Landfill
Project No: 0839-650609.100
Date: 5/5/10

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

Number of Data	33
Number of Truncated Data	19
Percentage of Truncated Data	58%

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

Golder Associates

Project Name: Henderson County Landfill
Project No: 0839-650609.800
Date: 5/5/10

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	9/22/10	MW-8	916		100

Number of Data	31
Number of Truncated Data	5
Percentage of Truncated Data	16%

Upper Prediction Interval: **1142** ug/L

Golder Associates

Project Name: Henderson County Landfill
Project No: 0839-650609.800
Date: 5/5/10

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

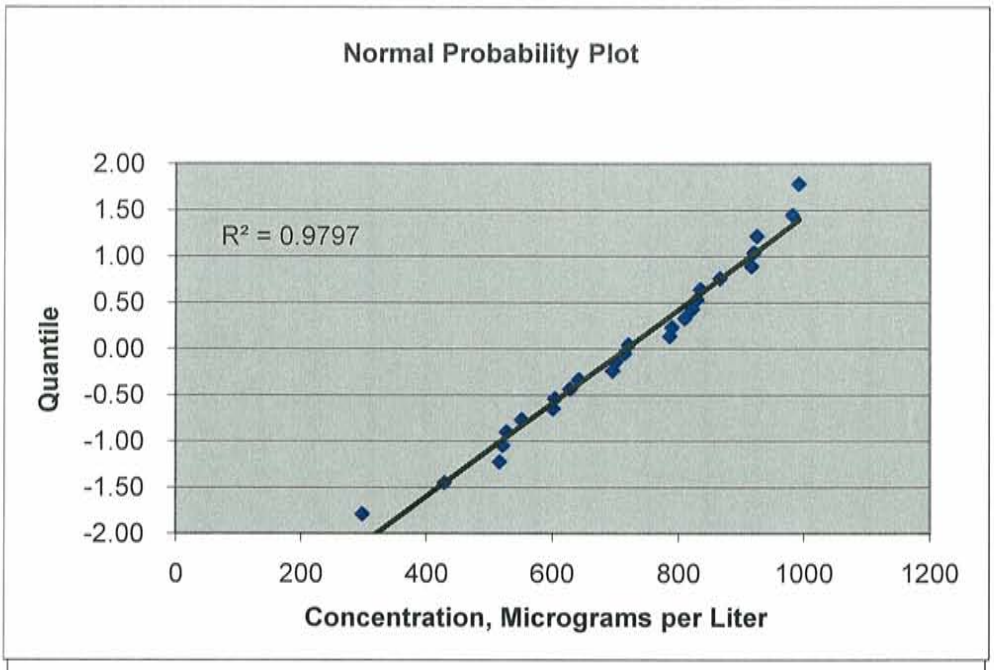
Complete the following table where:

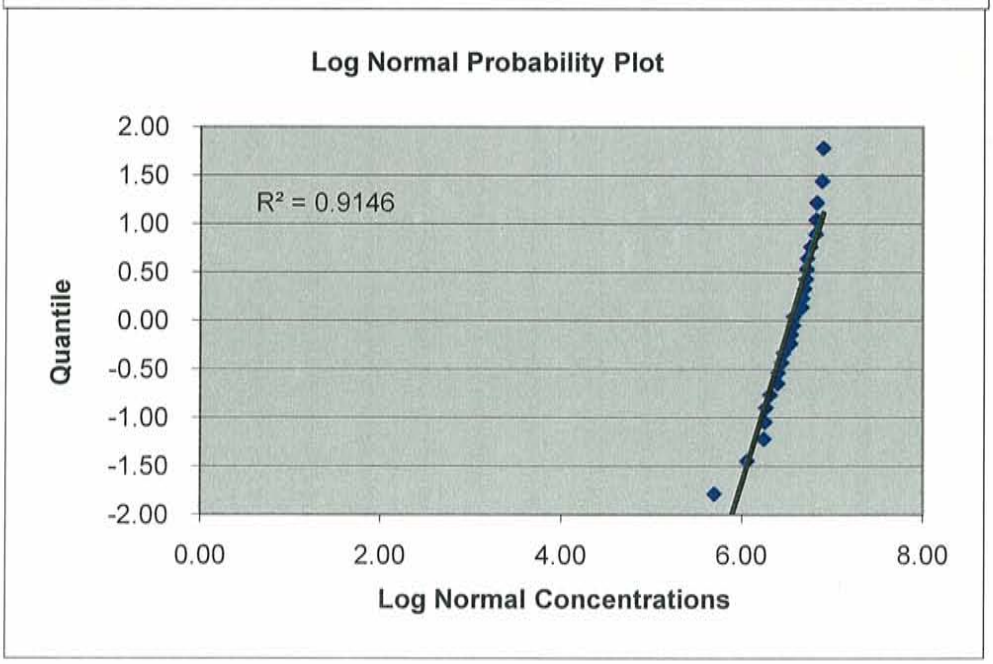
i = ordered value of sample, arranged from smallest to largest
X(i) = sample values arranged from smallest to largest
LN[X(i)] = Natural Log Value of sample concentrations arranged from smallest to largest
[i/(n+1)] = Cumulative probability
n = number of samples = 26

X(i)	LN[X(i)]	i	Rank	[Rank/(n+1)]	Quantiles
298	5.70	1	1	0.037	-1.79
429	6.06	2	2	0.074	-1.45
517	6.25	3	3	0.111	-1.22
522	6.26	4	4	0.148	-1.04
528	6.27	5	5	0.185	-0.90
552	6.31	6	6	0.222	-0.76
601	6.40	7	7	0.259	-0.65
604	6.40	8	8	0.296	-0.54
628	6.44	9	9	0.333	-0.43
642	6.46	10	10	0.370	-0.33
695	6.54	11	11	0.407	-0.23
700	6.55	12	12	0.444	-0.14
714	6.57	13	13	0.481	-0.05
720	6.58	14	14	0.519	0.05
786	6.67	15	15	0.556	0.14
790	6.67	16	16	0.593	0.23
810	6.70	17	17	0.630	0.33
822	6.71	18	18	0.667	0.43
829	6.72	19	19	0.704	0.54
835	6.73	20	20	0.741	0.65
866	6.76	21	21	0.778	0.76
916	6.82	22	22	0.815	0.90
920	6.82	23	23	0.852	1.04
925	6.83	24	24	0.889	1.22
982	6.89	25	25	0.926	1.45
992	6.90	26	26	0.963	1.79

Project Name: Henderson County Landfill
Project No: 0839-650609.800
Date: 05/05/10

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





Golder Associates

Project Name: Henderson County Landfill
Project No: 0839-650609.800
Date: 5/5/10

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	10/02/07	MW-8	695		100
28	04/03/08	MW-8	714		100
29	10/29/08	MW-8	429		100
30	03/24/09	MW-8	517		100
31	09/22/10	MW-8	916		100

mean = 716.269
STD = 177.582

Note: All concentrations are micrograms per liter

Golder Associates

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 =	716.269
	STD =	177.582
	Tn =	**1.553**

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 =	31
Tc =	**2.759**

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

Golder Associates

Project Name: Henderson County Landfill
Project No: 0839-650609.800
Date: 5/5/10

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	0.4407	305.85
2	429.00	982.00	553	0.3043	168.28
3	517.00	925.00	408	0.2533	103.35
4	522.00	920.00	398	0.2151	85.61
5	528.00	916.00	388	0.1836	71.24
6	552.00	866.00	314	0.1563	49.08
7	601.00	835.00	234	0.1316	30.79
8	604.00	829.00	225	0.1089	24.50
9	628.00	822.00	194	0.0876	16.99
10	642.00	810.00	168	0.0672	11.29
11	695.00	790.00	95	0.0476	4.52
12	700.00	786.00	86	0.0284	2.44
13	714.00	720.00	6	0.0094	0.06
14	720.00	714.00			
15	786.00	700.00			
16	790.00	695.00			
17	810.00	642.00			
18	822.00	628.00			
19	829.00	604.00			
20	835.00	601.00			
21	866.00	552.00			
22	916.00	528.00			
23	920.00	522.00			
24	925.00	517.00			
25	982.00	429.00			
26	992.00	298.00			

Golder Associates

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)	=	874.00
	SD =	standard deviation of the data group	=	177.58
	n =	number of samples	=	26
			W =	0.969

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) = 0.92
and the calculated W = 0.969

Therefore the data set is Normal

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Project Name: Henderson County Landfill
Project No: 0839-650609.800
Date: 5/5/10

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	09/22/10	MW-8	916

Mean of detected values = 716.27
Standard Deviation of detected values = 177.58

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	=	31
	M =	mean detected values	=	716.27
		M(a)	**=**	**600.74**

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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	=	31
	d =	number non-detected values	=	5
	S =	std deviation of detected values squared	=	31535.24
	MM =	mean of detected values squared	=	513041.61
		STD(a)	=	97994.86

and the adjusted standard deviation is then

S(a) = SQRT(STD(a)) = 313.04

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Project Name: Henderson County Landfill
Project No: 0839-650609.800
Date: 5/5/10

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	09/22/10	MW-8	916.00	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 = 600.74
adjusted standard deviation = 313.04

Using the background data, the upper Prediction Limit can be determined using:

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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 =	600.742	
	Std Dev =	313.041	
	t(n-1,k,.95)*sqrt(1/m+1/n) =	1.730	
	k =	1	
	m =	1	
	n =	31	
	UPL =	**1142**	ug/L

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Project Name: Henderson County Landfill
Project No: 0839-650609.800
Date: 5/5/10

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	09/22/10	MW-8	916.00	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 = 600.74
adjusted standard deviation = 313.04

Using the background data, the upper Tolerance Limit can be determined using

Upper Tolerance Limit = (Mean Concentration) + K x (Standard Deviation Samples)

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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 = 2.209

n = 31

UTL = 1292 ug/L

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Project Name: Henderson County Landfill
Project No: 083-9650609.800
Date: 5/5/10

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

Number of Data	32
Number of Truncated Data	19
Percentage of Truncated Data	59%

Nonparametric Prediction Interval: **50.0** ug/L

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